Fermi 2

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	1.0	0	0	0
Critical hours	2160.0	2138.7	2208.0	2209.0	2184.0
Indicator value	**2.9**	**3.8**	**1.7**	**0.8**	**0.8**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

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

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Unplanned power changes	0	0	1.0	0	0
Critical hours	2160.0	2138.7	2208.0	2209.0	2184.0
Indicator value	**1.9**	**1.0**	**1.7**	**0.8**	**0.8**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power, >2EDG

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

Notes

Safety System Unavailability, Emergency AC Power, >2EDG	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Train 1					
Planned unavailable hours	0	29.00	0	8.51	63.03
Unplanned unavailable hours	96.10	0	0	0	0
Fault exposure hours	0	0	0	0	667.88
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	0	35.90	0	10.85	60.73
Unplanned unavailable hours	0	0	0	0	4.80
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	0	0	27.60	5.91	87.41
Unplanned unavailable hours	0	0	13.10	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	0	29.80	0	6.33	84.73
Unplanned unavailable hours	0	0	56.70	14.12	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				**1.2%**	**2.1%**

Licensee Comments:

1Q/98: WANO Performance Indicator Program data submitted in accordance with NEI 99-02 Draft Rev. D

1Q/98: WANO Performance Indicator Program data submitted in accordance with NEI 99-02 Draft Rev. D

Safety System Unavailability, High Pressure Injection System (HPCI)

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

Notes

Safety System Unavailability, High Pressure Injection System (HPCI)	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Train 1					
Planned unavailable hours	7.23	81.85	4.42	9.12	128.19
Unplanned unavailable hours	13.13	40.08	19.93	0	0.60
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2160.00	2138.70	2208.00	2209.00	2184.00
Indicator value				**3.6%**	**2.5%**

Licensee Comments: none

Safety System Unavailability, Heat Removal System (RCIC)

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

Notes

Safety System Unavailability, Heat Removal System (RCIC)	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Train 1					
Planned unavailable hours	14.80	4.00	81.50	10.50	33.60
Unplanned unavailable hours	27.00	0	0	0	9.70
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2160.00	2138.70	2208.00	2209.00	2184.00
Indicator value				**1.9%**	**1.9%**

Licensee Comments:

2Q/99: WANO Performance Indicator Program data submitted in accordance with NEI 99-02 Draft Rev. D

4Q/97: WANO Performance Indicator Program data submitted in accordance with NEI 99-02 Draft Rev. D

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	0.53	0.77	13.50	0.98	33.00
Unplanned unavailable hours	0	0	0	0	9.01
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	0.75	15.58	2.02	2.00	32.13
Unplanned unavailable hours	0	0	0	0	0.13
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				**0.3%**	**0.5%**

Licensee Comments: none

Safety System Functional Failures (BWR)

Thresholds: White > 6.0

Notes

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

Licensee Comments:

1Q/00: Licensee Event Report 2000-001: Both Divisions of Low Pressure Coolant Injection inoperable for approximately 8 minutes due to loss of power to the Division 1 LPCI Inboard Isolation Valve.

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	0.001700	0.001600	0.001300	0.002000	0.001900	0.001800	0.001500	0.001400	0.001300	0.001150	0.001150	0.001280
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0.9**	**0.8**	**0.7**	**1.0**	**1.0**	**0.9**	**0.8**	**0.7**	**0.7**	**0.6**	**0.6**	**0.6**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	4/99	5/99	6/99	7/99	8/99	9/99	10/99	11/99	12/99	1/00	2/00	3/00
Maximum leakage	1.630	1.630	1.630	1.630	1.610	1.610	1.620	1.630	1.600	1.600	1.610	1.610
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.5**	**6.5**	**6.5**	**6.5**	**6.4**	**6.4**	**6.5**	**6.5**	**6.4**	**6.4**	**6.4**	**6.4**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Successful opportunities	0	7.0	6.0	10.0	0
Total opportunities	0	8.0	8.0	10.0	0
Indicator value				**93.2%**	**93.9%**

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				46.0	40.0
Total Key personnel				51.0	49.0
Indicator value				**90.2%**	**81.6%**

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	177	176	173	163	337
Total sirens-tests	177	177	177	177	354
Indicator value	**96.5%**	**98.4%**	**98.7%**	**97.3%**	**95.9%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
High radiation area occurrences	0	0	0	1	0
Very high radiation area occurrences	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0
Indicator value	**1**	**1**	**0**	**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	755.11	257.72	285.30	315.12	232.30
CCTV compensatory hours	31.4	15.5	31.6	0.2	0.1
IDS normalization factor	1.90	1.90	1.90	1.90	1.92
CCTV normalization factor	1.0	1.0	1.0	1.0	1.0
Index Value	**0.051**	**0.047**	**0.050**	**0.053**	**0.035**

Licensee Comments:

1Q/00: IDS normalization factor changed due to Alternate Access Portal open in March in preparation for refuel outage.

Personnel Screening Program

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

FFD/Personnel Reliability

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

PI Summary | Inspection Findings Summary | Reactor Oversight Process

Last Modified: April 1, 2002

Fermi 2

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	1.0	0	0	0	1.0
Critical hours	2138.7	2208.0	2209.0	2184.0	1095.6
Indicator value	**3.8**	**1.7**	**0.8**	**0.8**	**0.9**

Licensee Comments:

2Q/00: 2Q2000- LER 00-04- Manual Scram inserted during plant Shutdown for Refuel Outage 7 due to trip of A Reactor Recirculation pump

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

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

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Unplanned power changes	0	1.0	0	0	0
Critical hours	2138.7	2208.0	2209.0	2184.0	1095.6
Indicator value	**1.0**	**1.7**	**0.8**	**0.8**	**0.9**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power, >2EDG

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

Notes

Safety System Unavailability, Emergency AC Power, >2EDG	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Train 1					
Planned unavailable hours	29.00	0	8.51	63.03	3.43
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	667.88	32.88
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	35.90	0	10.85	60.73	1.08
Unplanned unavailable hours	0	0	0	4.80	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 3					
Planned unavailable hours	0	27.60	5.91	87.41	5.58
Unplanned unavailable hours	0	13.10	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	29.80	0	6.33	84.73	9.03
Unplanned unavailable hours	0	56.70	14.12	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			**1.2%**	**2.1%**	**2.1%**

Licensee Comments:

2Q/00: 2Q2000-Emergency Diesel Generator 11 {Train 1} Fault Exposure Hours added due to generator bearing oil viscosity found out of tolerance on 4/11/2000. Condition existed since 3/4/2000, 1Q2000 data also revised. Changes did not result in a threshold color change.

2Q/00: 2Q2000-Emergency Diesel Generator 11 {Train 1} Fault Exposure Hours added due to generator bearing oil viscosity found out of tolerance on 4/11/2000. Condition existed since 3/4/2000, 1Q2000 data also revised. Changes did not result in a threshold color change.

1Q/98: WANO Performance Indicator Program data submitted in accordance with NEI 99-02 Draft Rev. D

1Q/98: WANO Performance Indicator Program data submitted in accordance with NEI 99-02 Draft Rev. D

Safety System Unavailability, High Pressure Injection System (HPCI)

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

Notes

Safety System Unavailability, High Pressure Injection System (HPCI)	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Train 1					
Planned unavailable hours	81.85	4.42	9.12	128.19	9.07
Unplanned unavailable hours	40.08	19.93	0	0.60	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2138.70	2208.00	2209.00	2184.00	1095.55
Indicator value			**3.6%**	**2.5%**	**2.3%**

Licensee Comments: none

Safety System Unavailability, Heat Removal System (RCIC)

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

Notes

Safety System Unavailability, Heat Removal System (RCIC)	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Train 1					
Planned unavailable hours	4.00	81.50	10.50	33.60	5.27
Unplanned unavailable hours	0	0	0	9.70	0.40
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2138.70	2208.00	2209.00	2184.00	1095.55
Indicator value			**1.9%**	**1.9%**	**1.7%**

Licensee Comments:

2Q/00: 2Q2000 - RCIC planned and unplanned hours for March 2000 revised to reflect changes resulting from system engineering review of unavailability. Changes did not result in a threshold color change.

2Q/00: 2Q2000 - RCIC planned and unplanned hours for March 2000 revised to reflect changes resulting from system engineering review of unavailability. Changes did not result in a threshold color change.

2Q/99: WANO Performance Indicator Program data submitted in accordance with NEI 99-02 Draft Rev. D

4Q/97: WANO Performance Indicator Program data submitted in accordance with NEI 99-02 Draft Rev. D

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	0.77	13.50	0.98	33.00	0
Unplanned unavailable hours	0	0	0	9.01	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	15.58	2.02	2.00	32.13	54.27
Unplanned unavailable hours	0	0	0	0.13	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			**0.3%**	**0.5%**	**0.6%**

Licensee Comments: none

Safety System Functional Failures (BWR)

Thresholds: White > 6.0

Notes

Safety System Functional Failures (BWR)	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Safety System Functional Failures	0	1	2	1	1
Indicator value	**0**	**1**	**3**	**4**	**5**

Licensee Comments:

2Q/00: 2Q2000- LER 00-03, High Pressure Coolant Injection System unavailable due to level 8 trip received during surveillance testing

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	0.002000	0.001900	0.001800	0.001500	0.001400	0.001300	0.001150	0.001150	0.001280	N/A	0.000809	0.000958
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**1.0**	**1.0**	**0.9**	**0.8**	**0.7**	**0.7**	**0.6**	**0.6**	**0.6**	**N/A**	**0.4**	**0.5**

Licensee Comments:

6/00: 2Q2000-No April 2000 Data, plant shutdown for Refuel Outage 7

6/00: 2Q2000-No April 2000 Data, plant shutdown for Refuel Outage 7

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	7/99	8/99	9/99	10/99	11/99	12/99	1/00	2/00	3/00	4/00	5/00	6/00
Maximum leakage	1.630	1.610	1.610	1.620	1.630	1.600	1.600	1.610	1.610	1.590	1.630	1.640
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.5**	**6.4**	**6.4**	**6.5**	**6.5**	**6.4**	**6.4**	**6.4**	**6.4**	**6.4**	**6.5**	**6.6**

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	7.0	6.0	10.0	0	38.0
Total opportunities	8.0	8.0	10.0	0	38.0
Indicator value			**93.2%**	**93.9%**	**94.6%**

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/99	3Q/99	4Q/99	1Q/00	2Q/00
Participating Key personnel			46.0	40.0	47.0
Total Key personnel			51.0	49.0	50.0
Indicator value			**90.2%**	**81.6%**	**94.0%**

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	176	173	163	337	343
Total sirens-tests	177	177	177	354	354
Indicator value	**98.4%**	**98.7%**	**97.3%**	**95.9%**	**95.7%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments:

2Q/00:

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	257.72	285.30	315.12	232.30	145.16
CCTV compensatory hours	15.5	31.6	0.2	0.1	1.0
IDS normalization factor	1.90	1.90	1.90	1.92	1.92
CCTV normalization factor	1.0	1.0	1.0	1.0	1.0
Index Value	**0.047**	**0.050**	**0.053**	**0.035**	**0.031**

Licensee Comments:

2Q/00: 2Q2000- IDS normalization factor changed due to Alternate Access Portal open in March and April for refuel outage.

2Q/00: 2Q200- IDS normalization factor changed due to Alternate Access Portal open in March and April for refuel outage.

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

Fermi 2

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	1.0	0
Critical hours	2208.0	2209.0	2184.0	1095.6	2208.0
Indicator value	**1.7**	**0.8**	**0.8**	**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/99	4Q/99	1Q/00	2Q/00	3Q/00
Scrams	0	0	0	0	0
Indicator value		**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/99	4Q/99	1Q/00	2Q/00	3Q/00
Unplanned power changes	1.0	0	0	0	0
Critical hours	2208.0	2209.0	2184.0	1095.6	2208.0
Indicator value	**1.7**	**0.8**	**0.8**	**0.9**	**0**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power, >2EDG

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

Notes

Safety System Unavailability, Emergency AC Power, >2EDG	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Train 1					
Planned unavailable hours	0	8.51	63.03	3.43	9.79
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	667.88	32.88	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	0	10.85	60.73	1.08	5.05
Unplanned unavailable hours	0	0	4.80	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	27.60	5.91	87.41	5.58	6.49
Unplanned unavailable hours	13.10	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	6.33	84.73	9.03	0
Unplanned unavailable hours	56.70	14.12	0	0	0
Fault exposure hours	0	0	0	0	2057.85
Effective Reset hours	0	0	0	0	378.10
Required hours	2208.00	2209.00	2184.00	2183.00	2208.00
Indicator value		**1.2%**	**2.1%**	**2.1%**	**3.7%**

Licensee Comments:

3Q/00: 1Q 1998 Fault exposure hours for EDG 14 {Train 4} removed in accordance with NEI 99-02 r.0.

3Q/00: 1Q 1998 Fault exposure hours for EDG 14 {Train 4} removed in accordance with NEI 99-02 r.0.

2Q/00: 2Q2000-Emergency Diesel Generator 11 {Train 1} Fault Exposure Hours added due to generator bearing oil viscosity found out of tolerance on 4/11/2000. Condition existed since 3/4/2000, 1Q2000 data also revised. Changes did not result in a threshold color change.

1Q/98: WANO Performance Indicator Program data submitted in accordance with NEI 99-02 Draft Rev. D

1Q/98: WANO Performance Indicator Program data submitted in accordance with NEI 99-02 Draft Rev. D

Effective Reset Comments:

3Q/00: Previously reset fault exposure hours reset under process defined in RIS 2001-23 and NEI 99-02 Revision 2.

Safety System Unavailability, High Pressure Injection System (HPCI)

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

Notes

Safety System Unavailability, High Pressure Injection System (HPCI)	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Train 1					
Planned unavailable hours	4.42	9.12	128.19	9.07	9.47
Unplanned unavailable hours	19.93	0	0.60	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	1095.55	2208.00
Indicator value		**3.6%**	**2.5%**	**2.3%**	**2.0%**

Licensee Comments: none

Safety System Unavailability, Heat Removal System (RCIC)

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

Notes

Safety System Unavailability, Heat Removal System (RCIC)	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Train 1					
Planned unavailable hours	81.50	10.50	33.60	5.27	4.13
Unplanned unavailable hours	0	0	9.70	0.40	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	1095.55	2208.00
Indicator value		**1.9%**	**1.9%**	**1.7%**	**1.5%**

Licensee Comments:

2Q/00: 2Q2000 - RCIC planned and unplanned hours for March 2000 revised to reflect changes resulting from system engineering review of unavailability. Changes did not result in a threshold color change.

2Q/99: WANO Performance Indicator Program data submitted in accordance with NEI 99-02 Draft Rev. D

4Q/97: WANO Performance Indicator Program data submitted in accordance with NEI 99-02 Draft Rev. D

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	13.50	0.98	33.00	0	39.70
Unplanned unavailable hours	0	0	9.01	0	0.08
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	2.02	2.00	32.13	54.27	0.88
Unplanned unavailable hours	0	0	0.13	0	100.40
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		**0.3%**	**0.5%**	**0.6%**	**0.8%**

Licensee Comments: none

Safety System Functional Failures (BWR)

Thresholds: White > 6.0

Notes

Safety System Functional Failures (BWR)	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
Safety System Functional Failures	1	2	1	1	0
Indicator value	**1**	**3**	**4**	**5**	**4**

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	0.001500	0.001400	0.001300	0.001150	0.001150	0.001280	N/A	0.000809	0.000958	0.000682	0.000570	0.000492
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0.8**	**0.7**	**0.7**	**0.6**	**0.6**	**0.6**	**N/A**	**0.4**	**0.5**	**0.3**	**0.3**	**0.2**

Licensee Comments:

6/00: 2Q2000-No April 2000 Data, plant shutdown for Refuel Outage 7

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	10/99	11/99	12/99	1/00	2/00	3/00	4/00	5/00	6/00	7/00	8/00	9/00
Maximum leakage	1.620	1.630	1.600	1.600	1.610	1.610	1.590	1.630	1.640	1.620	1.620	1.620
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.5**	**6.5**	**6.4**	**6.4**	**6.4**	**6.4**	**6.4**	**6.5**	**6.6**	**6.5**	**6.5**	**6.5**

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	6.0	10.0	0	38.0	56.0
Total opportunities	8.0	10.0	0	38.0	57.0
Indicator value		**93.2%**	**93.9%**	**94.6%**	**96.2%**

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		46.0	40.0	47.0	52.0
Total Key personnel		51.0	49.0	50.0	52.0
Indicator value		**90.2%**	**81.6%**	**94.0%**	**100.0%**

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	173	163	337	343	330
Total sirens-tests	177	177	354	354	354
Indicator value	**98.7%**	**97.3%**	**95.9%**	**95.7%**	**94.7%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	3Q/99	4Q/99	1Q/00	2Q/00	3Q/00
High radiation area occurrences	0	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	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	285.30	315.12	232.30	145.16	379.60
CCTV compensatory hours	31.6	0.2	0.1	1.0	0
IDS normalization factor	1.90	1.90	1.92	1.92	1.90
CCTV normalization factor	1.0	1.0	1.0	1.0	1.0
Index Value	**0.050**	**0.053**	**0.035**	**0.031**	**0.032**

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

Fermi 2

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	1.0	0	0
Critical hours	2209.0	2184.0	1095.6	2208.0	2209.0
Indicator value	**0.8**	**0.8**	**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	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	1.0
Critical hours	2209.0	2184.0	1095.6	2208.0	2209.0
Indicator value	**0.8**	**0.8**	**0.9**	**0**	**0.9**

Licensee Comments:

4Q/00: South Reactor Feed Pump tripped on 11/2/2000, automatic runback to 53% of rated power.

Safety System Unavailability, Emergency AC Power, >2EDG

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

Notes

Safety System Unavailability, Emergency AC Power, >2EDG	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
Train 1					
Planned unavailable hours	8.51	63.03	3.43	9.79	42.19
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	667.88	32.88	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	10.85	60.73	1.08	5.05	52.24
Unplanned unavailable hours	0	4.80	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	5.91	87.41	5.58	6.49	42.56
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	6.33	84.73	9.03	0	0
Unplanned unavailable hours	14.12	0	0	0	0
Fault exposure hours	0	0	0	2057.85	2209.00
Effective Reset hours	0	0	0	378.10	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00
Indicator value	**1.2%**	**2.1%**	**2.1%**	**3.7%**	**5.9%**

Licensee Comments:

3Q/00: 1Q 1998 Fault exposure hours for EDG 14 {Train 4} removed in accordance with NEI 99-02 r.0.

2Q/00: 2Q2000-Emergency Diesel Generator 11 {Train 1} Fault Exposure Hours added due to generator bearing oil viscosity found out of tolerance on 4/11/2000. Condition existed since 3/4/2000, 1Q2000 data also revised. Changes did not result in a threshold color change.

1Q/98: WANO Performance Indicator Program data submitted in accordance with NEI 99-02 Draft Rev. D

Effective Reset Comments:

3Q/00: Previously reset fault exposure hours reset under process defined in RIS 2001-23 and NEI 99-02 Revision 2.

Safety System Unavailability, High Pressure Injection System (HPCI)

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

Notes

Safety System Unavailability, High Pressure Injection System (HPCI)	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
Train 1					
Planned unavailable hours	9.12	128.19	9.07	9.47	11.25
Unplanned unavailable hours	0	0.60	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	1095.55	2208.00	2209.00
Indicator value	**3.6%**	**2.5%**	**2.3%**	**2.0%**	**2.0%**

Licensee Comments: none

Safety System Unavailability, Heat Removal System (RCIC)

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

Notes

Safety System Unavailability, Heat Removal System (RCIC)	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
Train 1					
Planned unavailable hours	10.50	33.60	5.27	4.13	7.90
Unplanned unavailable hours	0	9.70	0.40	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2209.00	2184.00	1095.55	2208.00	2209.00
Indicator value	**1.9%**	**1.9%**	**1.7%**	**1.5%**	**1.5%**

Licensee Comments:

4Q/00: 4Q2000 - RCIC planned hours for December 1997 and June 1999 revised to reflect changes resulting from system engineering review of unavailability. Changes did not result in a threshold color change.

2Q/00: 2Q2000 - RCIC planned and unplanned hours for March 2000 revised to reflect changes resulting from system engineering review of unavailability. Changes did not result in a threshold color change.

2Q/99: WANO Performance Indicator Program data submitted in accordance with NEI 99-02 Draft Rev. D

4Q/97: WANO Performance Indicator Program data submitted in accordance with NEI 99-02 Draft Rev. D

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	0.98	33.00	0	39.70	1.47
Unplanned unavailable hours	0	9.01	0	0.08	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	2.00	32.13	54.27	0.88	1.53
Unplanned unavailable hours	0	0.13	0	100.40	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	**0.3%**	**0.5%**	**0.6%**	**0.8%**	**0.8%**

Licensee Comments: none

Safety System Functional Failures (BWR)

Thresholds: White > 6.0

Notes

Safety System Functional Failures (BWR)	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
Safety System Functional Failures	2	1	1	0	0
Indicator value	**3**	**4**	**5**	**4**	**2**

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	0.001150	0.001150	0.001280	N/A	0.000809	0.000958	0.000682	0.000570	0.000492	0.000475	0.000481	0.000510
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0.6**	**0.6**	**0.6**	**N/A**	**0.4**	**0.5**	**0.3**	**0.3**	**0.2**	**0.2**	**0.2**	**0.3**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	1/00	2/00	3/00	4/00	5/00	6/00	7/00	8/00	9/00	10/00	11/00	12/00
Maximum leakage	1.600	1.610	1.610	1.590	1.630	1.640	1.620	1.620	1.620	1.610	1.610	1.610
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.4**	**6.4**	**6.4**	**6.4**	**6.5**	**6.6**	**6.5**	**6.5**	**6.5**	**6.4**	**6.4**	**6.4**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
Successful opportunities	10.0	0	38.0	56.0	51.0
Total opportunities	10.0	0	38.0	57.0	56.0
Indicator value	**93.2%**	**93.9%**	**94.6%**	**96.2%**	**94.9%**

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	46.0	40.0	47.0	52.0	51.0
Total Key personnel	51.0	49.0	50.0	52.0	53.0
Indicator value	**90.2%**	**81.6%**	**94.0%**	**100.0%**	**96.2%**

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
Successful siren-tests	163	337	343	330	338
Total sirens-tests	177	354	354	354	354
Indicator value	**97.3%**	**95.9%**	**95.7%**	**94.7%**	**95.2%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00
High radiation area occurrences	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	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	315.12	232.30	145.16	379.60	180.50
CCTV compensatory hours	0.2	0.1	1.0	0	98.6
IDS normalization factor	1.90	1.92	1.92	1.90	1.90
CCTV normalization factor	1.0	1.0	1.0	1.0	1.0
Index Value	**0.053**	**0.035**	**0.031**	**0.032**	**0.034**

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

Fermi 2

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	1.0	0	0	0
Critical hours	2209.0	2184.0	1095.6	2208.0	2209.0	2160.0
Indicator value	**0.8**	**0.8**	**0.9**	**0.9**	**0.9**	**0.9**

Licensee Comments:

1Q/01:

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	1.0	1.0
Critical hours	2209.0	2184.0	1095.6	2208.0	2209.0	2160.0
Indicator value	**0.8**	**0.8**	**0.9**	**0**	**0.9**	**1.8**

Licensee Comments:

1Q/01: Unplanned power change to repair High Pressure Feed Water Heater level control system on 3/4/2001

Safety System Unavailability, Emergency AC Power, >2EDG

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

Notes

Safety System Unavailability, Emergency AC Power, >2EDG	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Train 1						
Planned unavailable hours	8.51	63.03	3.43	9.79	42.19	3.47
Unplanned unavailable hours	0	0	0	0	0	0
Fault exposure hours	0	667.88	32.88	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	10.85	60.73	1.08	5.05	52.24	4.40
Unplanned unavailable hours	0	4.80	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 3						
Planned unavailable hours	5.91	87.41	5.58	6.49	42.56	4.46
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 4						
Planned unavailable hours	6.33	84.73	9.03	0	0	0
Unplanned unavailable hours	14.12	0	0	0	0	192.50
Fault exposure hours	0	0	0	2057.85	2209.00	1918.15
Effective Reset hours	0	0	0	378.10	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00
Indicator value	**1.2%**	**2.1%**	**2.1%**	**3.7%**	**5.9%**	**7.8%**

Licensee Comments:

1Q/01: Added 6185 Emergency Diesel Generator 14 fault exposure hours as a result of generator outboard bearing failure during 24 hour surveillance run on 3/21/2001. Bearing failure root cause is specific to EDG 14 and does not impact the other 3 EDGs. Fault hours based on 1/2 elapsed time since last 24 hour run on 10/23/1999. Fault hours distributed back to July 2000, planned hours during that time frame have been removed {will be restored when fault hours are reset}. All actions in accordance with NEI 99-02 guidance.

3Q/00: 1Q 1998 Fault exposure hours for EDG 14 {Train 4} removed in accordance with NEI 99-02 r.0.

2Q/00: 2Q2000-Emergency Diesel Generator 11 {Train 1} Fault Exposure Hours added due to generator bearing oil viscosity found out of tolerance on 4/11/2000. Condition existed since 3/4/2000, 1Q2000 data also revised. Changes did not result in a threshold color change.

1Q/98: WANO Performance Indicator Program data submitted in accordance with NEI 99-02 Draft Rev. D

Effective Reset Comments:

3Q/00: Previously reset fault exposure hours reset under process defined in RIS 2001-23 and NEI 99-02 Revision 2.

Safety System Unavailability, High Pressure Injection System (HPCI)

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

Notes

Safety System Unavailability, High Pressure Injection System (HPCI)	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Train 1						
Planned unavailable hours	9.12	128.19	9.07	9.47	11.25	70.02
Unplanned unavailable hours	0	0.60	0	0	0	27.53
Fault exposure hours	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0
Required hours	2209.00	2184.00	1095.55	2208.00	2209.00	2160.00
Indicator value	**3.6%**	**2.5%**	**2.3%**	**2.0%**	**2.0%**	**2.3%**

Licensee Comments: none

Safety System Unavailability, Heat Removal System (RCIC)

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

Notes

Safety System Unavailability, Heat Removal System (RCIC)	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Train 1						
Planned unavailable hours	10.50	33.60	5.27	4.13	7.90	1.70
Unplanned unavailable hours	0	9.70	0.40	0	0	9.10
Fault exposure hours	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0
Required hours	2209.00	2184.00	1095.55	2208.00	2209.00	2160.00
Indicator value	**1.9%**	**1.9%**	**1.7%**	**1.5%**	**1.5%**	**1.5%**

Licensee Comments:

2Q/00: 2Q2000 - RCIC planned and unplanned hours for March 2000 revised to reflect changes resulting from system engineering review of unavailability. Changes did not result in a threshold 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	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Train 1						
Planned unavailable hours	0.98	33.00	0	39.70	1.47	2.88
Unplanned unavailable hours	0	9.01	0	0.08	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	2.00	32.13	54.27	0.88	1.53	1.87
Unplanned unavailable hours	0	0.13	0	100.40	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	**0.3%**	**0.5%**	**0.6%**	**0.8%**	**0.8%**	**0.8%**

Licensee Comments: none

Safety System Functional Failures (BWR)

Thresholds: White > 6.0

Notes

Safety System Functional Failures (BWR)	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Safety System Functional Failures	2	1	1	0	0	0
Indicator value	**3**	**4**	**5**	**4**	**2**	**1**

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	0.001500	0.001400	0.001300	0.001150	0.001150	0.001280	N/A	0.000809	0.000958	0.000682	0.000570	0.000492
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0.8**	**0.7**	**0.7**	**0.6**	**0.6**	**0.6**	**N/A**	**0.4**	**0.5**	**0.3**	**0.3**	**0.2**

Reactor Coolant System Activity	10/00	11/00	12/00	1/01	2/01	3/01
Maximum activity	0.000475	0.000481	0.000510	0.000683	0.000488	0.000602
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0.2**	**0.2**	**0.3**	**0.3**	**0.2**	**0.3**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	10/99	11/99	12/99	1/00	2/00	3/00	4/00	5/00	6/00	7/00	8/00	9/00
Maximum leakage	1.620	1.630	1.600	1.600	1.610	1.610	1.590	1.630	1.640	1.620	1.620	1.620
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.5**	**6.5**	**6.4**	**6.4**	**6.4**	**6.4**	**6.4**	**6.5**	**6.6**	**6.5**	**6.5**	**6.5**

Reactor Coolant System Leakage	10/00	11/00	12/00	1/01	2/01	3/01
Maximum leakage	1.610	1.610	1.610	1.610	1.610	1.610
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.4**	**6.4**	**6.4**	**6.4**	**6.4**	**6.4**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Successful opportunities	10.0	0	38.0	56.0	51.0	21.0
Total opportunities	10.0	0	38.0	57.0	56.0	23.0
Indicator value	**93.2%**	**93.9%**	**94.6%**	**96.2%**	**94.9%**	**94.5%**

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	46.0	40.0	47.0	52.0	51.0	51.0
Total Key personnel	51.0	49.0	50.0	52.0	53.0	53.0
Indicator value	**90.2%**	**81.6%**	**94.0%**	**100.0%**	**96.2%**	**96.2%**

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
Successful siren-tests	163	337	343	330	338	342
Total sirens-tests	177	354	354	354	354	354
Indicator value	**97.3%**	**95.9%**	**95.7%**	**94.7%**	**95.2%**	**95.6%**

Licensee Comments:

1Q/01: March 2000 Successful Tests revised from 113 to 112, May 2000 Successful Tests revised from 112 to 113 based on audit of test results. Changes do not affect indicator status.

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	1	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**	**1**	**1**	**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

Protected Area Security Performance Index

Thresholds: White > 0.080

Notes

Protected Area Security Performance Index	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
IDS compensatory hours	315.12	232.30	145.16	379.60	180.50	417.17
CCTV compensatory hours	0.2	0.1	1.0	0	98.6	188.1
IDS normalization factor	1.90	1.92	1.92	1.90	1.90	1.90
CCTV normalization factor	1.0	1.0	1.0	1.0	1.0	1.0
Index Value	**0.053**	**0.035**	**0.031**	**0.032**	**0.034**	**0.050**

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

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

Last Modified: March 28, 2002

Fermi 2

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	1.0	0	0	0	0
Critical hours	2209.0	2184.0	1095.6	2208.0	2209.0	2160.0	2152.4
Indicator value	**0.8**	**0.8**	**0.9**	**0.9**	**0.9**	**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	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	1.0	1.0	0
Critical hours	2209.0	2184.0	1095.6	2208.0	2209.0	2160.0	2152.4
Indicator value	**0.8**	**0.8**	**0.9**	**0**	**0.9**	**1.8**	**1.6**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power, >2EDG

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

Notes

Safety System Unavailability, Emergency AC Power, >2EDG	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
Train 1							
Planned unavailable hours	8.51	63.03	3.43	9.79	42.19	3.47	7.86
Unplanned unavailable hours	0	0	0	0	0	0	0.82
Fault exposure hours	0	667.88	32.88	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	10.85	60.73	1.08	5.05	52.24	4.40	11.38
Unplanned unavailable hours	0	4.80	0	0	0	0	0.57
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 3							
Planned unavailable hours	5.91	87.41	5.58	6.49	42.56	4.46	3.32
Unplanned unavailable hours	0	0	0	0	0	0	10.60
Fault exposure hours	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00
Train 4							
Planned unavailable hours	6.33	84.73	9.03	0	0	0	10.78
Unplanned unavailable hours	14.12	0	0	0	0	192.50	20.70
Fault exposure hours	0	0	0	2057.85	2209.00	1918.15	0
Effective Reset hours	0	0	0	378.10	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00
Indicator value	**1.2%**	**2.1%**	**2.1%**	**3.7%**	**5.9%**	**7.8%**	**7.8%**

Licensee Comments:

2Q/01: June 2000 Train 4 required hours changed from 719 to 720 to correct minor discrepancy noted during data audit. The change does not affect the value of the Performance Indicator.

2Q/00: 2Q2000-Emergency Diesel Generator 11 {Train 1} Fault Exposure Hours added due to generator bearing oil viscosity found out of tolerance on 4/11/2000. Condition existed since 3/4/2000, 1Q2000 data also revised. Changes did not result in a threshold color change.

1Q/98: WANO Performance Indicator Program data submitted in accordance with NEI 99-02 Draft Rev. D

Effective Reset Comments:

3Q/00: Previously reset fault exposure hours reset under process defined in RIS 2001-23 and NEI 99-02 Revision 2.

Safety System Unavailability, High Pressure Injection System (HPCI)

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

Notes

Safety System Unavailability, High Pressure Injection System (HPCI)	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
Train 1							
Planned unavailable hours	9.12	128.19	9.07	9.47	11.25	70.02	14.88
Unplanned unavailable hours	0	0.60	0	0	0	27.53	27.33
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	1095.55	2208.00	2209.00	2160.00	2152.40
Indicator value	**3.6%**	**2.5%**	**2.3%**	**2.0%**	**2.0%**	**2.3%**	**2.1%**

Licensee Comments: none

Safety System Unavailability, Heat Removal System (RCIC)

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

Notes

Safety System Unavailability, Heat Removal System (RCIC)	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
Train 1							
Planned unavailable hours	10.50	33.60	5.27	4.13	7.90	1.70	8.50
Unplanned unavailable hours	0	9.70	0.40	0	0	9.10	59.10
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	1095.55	2208.00	2209.00	2160.00	2152.40
Indicator value	**1.9%**	**1.9%**	**1.7%**	**1.5%**	**1.5%**	**1.5%**	**1.6%**

Licensee Comments:

2Q/01: June 2000 Planned Unavailable hours changed from 2.7 to 3.7 to correct minor discrepancy noted during data review. The change does not affect the value of the Performance Indicator.

2Q/00: 2Q2000 - RCIC planned and unplanned hours for March 2000 revised to reflect changes resulting from system engineering review of unavailability. Changes did not result in a threshold 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	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
Train 1							
Planned unavailable hours	0.98	33.00	0	39.70	1.47	2.88	1.22
Unplanned unavailable hours	0	9.01	0	0.08	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	2.00	32.13	54.27	0.88	1.53	1.87	0.92
Unplanned unavailable hours	0	0.13	0	100.40	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	**0.3%**	**0.5%**	**0.6%**	**0.8%**	**0.8%**	**0.8%**	**0.7%**

Licensee Comments: none

Thresholds: White > 6.0

Notes

Safety System Functional Failures (BWR)	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
Safety System Functional Failures	2	1	1	0	0	0	0
Indicator value	**3**	**4**	**5**	**4**	**2**	**1**	**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	0.001500	0.001400	0.001300	0.001150	0.001150	0.001280	N/A	0.000809	0.000958	0.000682	0.000570	0.000492
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0.8**	**0.7**	**0.7**	**0.6**	**0.6**	**0.6**	**N/A**	**0.4**	**0.5**	**0.3**	**0.3**	**0.2**

Reactor Coolant System Activity	10/00	11/00	12/00	1/01	2/01	3/01	4/01	5/01	6/01
Maximum activity	0.000475	0.000481	0.000510	0.000683	0.000488	0.000602	0.000609	0.000436	0.000826
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0.2**	**0.2**	**0.3**	**0.3**	**0.2**	**0.3**	**0.3**	**0.2**	**0.4**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	10/99	11/99	12/99	1/00	2/00	3/00	4/00	5/00	6/00	7/00	8/00	9/00
Maximum leakage	1.620	1.630	1.600	1.600	1.610	1.610	1.590	1.630	1.640	1.620	1.620	1.620
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.5**	**6.5**	**6.4**	**6.4**	**6.4**	**6.4**	**6.4**	**6.5**	**6.6**	**6.5**	**6.5**	**6.5**

Reactor Coolant System Leakage	10/00	11/00	12/00	1/01	2/01	3/01	4/01	5/01	6/01
Maximum leakage	1.610	1.610	1.610	1.610	1.610	1.610	1.610	1.610	1.620
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.4**	**6.4**	**6.4**	**6.4**	**6.4**	**6.4**	**6.4**	**6.4**	**6.5**

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	10.0	0	38.0	56.0	51.0	21.0	30.0
Total opportunities	10.0	0	38.0	57.0	56.0	23.0	32.0
Indicator value	**93.2%**	**93.9%**	**94.6%**	**96.2%**	**94.9%**	**94.5%**	**94.6%**

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	46.0	40.0	47.0	52.0	51.0	51.0	51.0
Total Key personnel	51.0	49.0	50.0	52.0	53.0	53.0	53.0
Indicator value	**90.2%**	**81.6%**	**94.0%**	**100.0%**	**96.2%**	**96.2%**	**96.2%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01
Successful siren-tests	163	337	343	330	338	342	342
Total sirens-tests	177	354	354	354	354	354	354
Indicator value	**97.3%**	**95.9%**	**95.7%**	**94.7%**	**95.2%**	**95.6%**	**95.5%**

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	1	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**	**1**	**1**	**0**	**0**	**0**

Licensee Comments: none

RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

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	315.12	232.30	145.16	379.60	180.50	417.17	388.05
CCTV compensatory hours	0.2	0.1	1.0	0	98.6	188.1	78.9
IDS normalization factor	1.90	1.92	1.92	1.90	1.90	1.90	1.90
CCTV normalization factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Index Value	**0.053**	**0.035**	**0.031**	**0.032**	**0.034**	**0.050**	**0.062**

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

Last Modified: March 27, 2002

Fermi 2

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	1.0	0	0	0	0	0
Critical hours	2209.0	2184.0	1095.6	2208.0	2209.0	2160.0	2152.4	2208.0
Indicator value	**0.8**	**0.8**	**0.9**	**0.9**	**0.9**	**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	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	1.0	1.0	0	0
Critical hours	2209.0	2184.0	1095.6	2208.0	2209.0	2160.0	2152.4	2208.0
Indicator value	**0.8**	**0.8**	**0.9**	**0**	**0.9**	**1.8**	**1.6**	**1.6**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power, >2EDG

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

Notes

Safety System Unavailability, Emergency AC Power, >2EDG	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Train 1								
Planned unavailable hours	8.51	63.03	3.43	9.79	42.19	3.47	7.86	21.92
Unplanned unavailable hours	0	0	0	0	0	0	0.82	0
Fault exposure hours	0	667.88	32.88	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	10.85	60.73	1.08	5.05	52.24	4.40	11.38	21.13
Unplanned unavailable hours	0	4.80	0	0	0	0	0.57	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	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
Train 3								
Planned unavailable hours	5.91	87.41	5.58	6.49	42.56	4.46	3.32	42.65
Unplanned unavailable hours	0	0	0	0	0	0	10.60	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
Train 4								
Planned unavailable hours	6.33	84.73	9.03	0	0	0	10.78	49.86
Unplanned unavailable hours	14.12	0	0	0	0	192.50	20.70	43.78
Fault exposure hours	0	0	0	2057.85	2209.00	1918.15	0	0
Effective Reset hours	0	0	0	378.10	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
Indicator value	**1.2%**	**2.1%**	**2.1%**	**3.7%**	**5.9%**	**7.8%**	**7.8%**	**7.7%**

Licensee Comments:

1Q/98: WANO Performance Indicator Program data submitted in accordance with NEI 99-02 Draft Rev. D

Effective Reset Comments:

3Q/00: Previously reset fault exposure hours reset under process defined in RIS 2001-23 and NEI 99-02 Revision 2.

Safety System Unavailability, High Pressure Injection System (HPCI)

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

Notes

Safety System Unavailability, High Pressure Injection System (HPCI)	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Train 1								
Planned unavailable hours	9.12	128.19	9.07	9.47	11.25	70.02	14.88	2.20
Unplanned unavailable hours	0	0.60	0	0	0	27.53	27.33	0
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	1095.55	2208.00	2209.00	2160.00	2152.40	2208.00
Indicator value	**3.6%**	**2.5%**	**2.3%**	**2.0%**	**2.0%**	**2.3%**	**2.1%**	**2.0%**

Licensee Comments: none

Safety System Unavailability, Heat Removal System (RCIC)

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

Notes

Safety System Unavailability, Heat Removal System (RCIC)	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Train 1								
Planned unavailable hours	10.50	33.60	5.27	4.13	7.90	1.70	8.50	2.38
Unplanned unavailable hours	0	9.70	0.40	0	0	9.10	59.10	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	1095.55	2208.00	2209.00	2160.00	2152.40	2208.00
Indicator value	**1.9%**	**1.9%**	**1.7%**	**1.5%**	**1.5%**	**1.5%**	**1.6%**	**1.2%**

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	0.98	33.00	0	39.70	1.47	2.88	1.22	22.17
Unplanned unavailable hours	0	9.01	0	0.08	0	0	0	0
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	2.00	32.13	54.27	0.88	1.53	1.87	0.92	13.75
Unplanned unavailable hours	0	0.13	0	100.40	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
Indicator value	**0.3%**	**0.5%**	**0.6%**	**0.8%**	**0.8%**	**0.8%**	**0.7%**	**0.7%**

Licensee Comments:

3Q/01:

Thresholds: White > 6.0

Notes

Safety System Functional Failures (BWR)	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Safety System Functional Failures	2	1	1	0	0	0	0	0
Indicator value	**3**	**4**	**5**	**4**	**2**	**1**	**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	0.001500	0.001400	0.001300	0.001150	0.001150	0.001280	N/A	0.000809	0.000958	0.000682	0.000570	0.000492
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0.8**	**0.7**	**0.7**	**0.6**	**0.6**	**0.6**	**N/A**	**0.4**	**0.5**	**0.3**	**0.3**	**0.2**

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	0.000475	0.000481	0.000510	0.000683	0.000488	0.000602	0.000609	0.000436	0.000826	0.000739	0.000703	0.000425
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0.2**	**0.2**	**0.3**	**0.3**	**0.2**	**0.3**	**0.3**	**0.2**	**0.4**	**0.4**	**0.4**	**0.2**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	10/99	11/99	12/99	1/00	2/00	3/00	4/00	5/00	6/00	7/00	8/00	9/00
Maximum leakage	1.620	1.630	1.600	1.600	1.610	1.610	1.590	1.630	1.640	1.620	1.620	1.620
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.5**	**6.5**	**6.4**	**6.4**	**6.4**	**6.4**	**6.4**	**6.5**	**6.6**	**6.5**	**6.5**	**6.5**

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	1.610	1.610	1.610	1.610	1.610	1.610	1.610	1.610	1.620	1.610	1.610	1.610
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.4**	**6.4**	**6.4**	**6.4**	**6.4**	**6.4**	**6.4**	**6.4**	**6.5**	**6.4**	**6.4**	**6.4**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Successful opportunities	10.0	0	38.0	56.0	51.0	21.0	30.0	33.0
Total opportunities	10.0	0	38.0	57.0	56.0	23.0	32.0	38.0
Indicator value	**93.2%**	**93.9%**	**94.6%**	**96.2%**	**94.9%**	**94.5%**	**94.6%**	**94.1%**

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	46.0	40.0	47.0	52.0	51.0	51.0	51.0	58.0
Total Key personnel	51.0	49.0	50.0	52.0	53.0	53.0	53.0	61.0
Indicator value	**90.2%**	**81.6%**	**94.0%**	**100.0%**	**96.2%**	**96.2%**	**96.2%**	**95.1%**

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	163	337	343	330	338	342	342	338
Total sirens-tests	177	354	354	354	354	354	354	354
Indicator value	**97.3%**	**95.9%**	**95.7%**	**94.7%**	**95.2%**	**95.6%**	**95.5%**	**96.0%**

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

Licensee Comments:

3Q/01:

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

Protected Area Security Performance Index

Thresholds: White > 0.080

Notes

Protected Area Security Performance Index	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
IDS compensatory hours	315.12	232.30	145.16	379.60	180.50	417.17	388.05	281.75
CCTV compensatory hours	0.2	0.1	1.0	0	98.6	188.1	78.9	1.0
IDS normalization factor	1.90	1.92	1.92	1.90	1.90	1.90	1.90	1.90
CCTV normalization factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Index Value	**0.053**	**0.035**	**0.031**	**0.032**	**0.034**	**0.050**	**0.062**	**0.059**

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

Fermi 2

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	1.0	0	0	0	0	0	1.0
Critical hours	2184.0	1095.6	2208.0	2209.0	2160.0	2152.4	2208.0	1446.5
Indicator value	**0.8**	**0.9**	**0.9**	**0.9**	**0.9**	**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/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	1.0	1.0	0	0	0
Critical hours	2184.0	1095.6	2208.0	2209.0	2160.0	2152.4	2208.0	1446.5
Indicator value	**0.8**	**0.9**	**0**	**0.9**	**1.8**	**1.6**	**1.6**	**0.9**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power, >2EDG

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

Notes

Safety System Unavailability, Emergency AC Power, >2EDG	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Train 1								
Planned unavailable hours	63.03	3.43	9.79	42.19	3.47	7.86	21.92	6.47
Unplanned unavailable hours	0	0	0	0	0	0.82	0	0
Fault exposure hours	667.88	32.88	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	700.76
Required hours	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Train 2								
Planned unavailable hours	60.73	1.08	5.05	52.24	4.40	11.38	21.13	11.61
Unplanned unavailable hours	4.80	0	0	0	0	0.57	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	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Train 3								
Planned unavailable hours	87.41	5.58	6.49	42.56	4.46	3.32	42.65	5.79
Unplanned unavailable hours	0	0	0	0	0	10.60	0	0
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 4								
Planned unavailable hours	84.73	9.03	0	0	0	10.78	49.86	14.48
Unplanned unavailable hours	0	0	0	0	192.50	20.70	43.78	0
Fault exposure hours	0	0	2057.85	2209.00	1918.15	0	0	0
Effective Reset hours	0	0	378.10	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	**2.1%**	**2.1%**	**3.7%**	**5.9%**	**7.8%**	**7.8%**	**7.7%**	**7.1%**

Licensee Comments:

4Q/01: Train 1 {EDG 11} 1Q & 2Q 2000 data revised to reset fault exposure hours in accordance with RIS 2001-23 and NEI 99-02 Revision 2. Change does not affect indicator color.

1Q/98: WANO Performance Indicator Program data submitted in accordance with NEI 99-02 Draft Rev. D

Effective Reset Comments:

4Q/01: Fault hours reset in accordance with RIS 2001-23 and NEI 99-02 Revision 2 guidance

4Q/01: Fault hours reset in accordance with RIS 2001-23 and NEI 99-02 Revision 2 guidance.

3Q/00: Previously reset fault exposure hours reset under process defined in RIS 2001-23 and NEI 99-02 Revision 2.

Safety System Unavailability, High Pressure Injection System (HPCI)

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

Notes

Safety System Unavailability, High Pressure Injection System (HPCI)	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Train 1								
Planned unavailable hours	128.19	9.07	9.47	11.25	70.02	14.88	2.20	9.69
Unplanned unavailable hours	0.60	0	0	0	27.53	27.33	0	27.16
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	1095.55	2208.00	2209.00	2160.00	2152.40	2208.00	1446.50
Indicator value	**2.5%**	**2.3%**	**2.0%**	**2.0%**	**2.3%**	**2.1%**	**2.0%**	**2.1%**

Licensee Comments: none

Safety System Unavailability, Heat Removal System (RCIC)

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

Notes

Safety System Unavailability, Heat Removal System (RCIC)	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Train 1								
Planned unavailable hours	33.60	5.27	4.13	7.90	1.70	8.50	2.38	161.85
Unplanned unavailable hours	9.70	0.40	0	0	9.10	59.10	0	10.35
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	1095.55	2208.00	2209.00	2160.00	2152.40	2208.00	1446.50
Indicator value	**1.9%**	**1.7%**	**1.5%**	**1.5%**	**1.5%**	**1.6%**	**1.2%**	**1.9%**

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	33.00	0	39.70	1.47	2.88	1.22	22.17	4.43
Unplanned unavailable hours	9.01	0	0.08	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	32.13	54.27	0.88	1.53	1.87	0.92	13.75	0
Unplanned unavailable hours	0.13	0	100.40	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Indicator value	**0.5%**	**0.6%**	**0.8%**	**0.8%**	**0.8%**	**0.7%**	**0.7%**	**0.7%**

Licensee Comments: none

Safety System Functional Failures (BWR)

Thresholds: White > 6.0

Notes

Safety System Functional Failures (BWR)	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Safety System Functional Failures	1	1	0	0	0	0	0	0
Indicator value	**4**	**5**	**4**	**2**	**1**	**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	0.001150	0.001150	0.001280	N/A	0.000809	0.000958	0.000682	0.000570	0.000492	0.000475	0.000481	0.000510
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0.6**	**0.6**	**0.6**	**N/A**	**0.4**	**0.5**	**0.3**	**0.3**	**0.2**	**0.2**	**0.2**	**0.3**

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	0.000683	0.000488	0.000602	0.000609	0.000436	0.000826	0.000739	0.000703	0.000425	0.000641	N/A	0.000373
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0.3**	**0.2**	**0.3**	**0.3**	**0.2**	**0.4**	**0.4**	**0.4**	**0.2**	**0.3**	**N/A**	**0.2**

Licensee Comments:

12/01: No surveillance data available for November 2001, plant shutdown for Refuel Outage 8

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	1/00	2/00	3/00	4/00	5/00	6/00	7/00	8/00	9/00	10/00	11/00	12/00
Maximum leakage	1.600	1.610	1.610	1.590	1.630	1.640	1.620	1.620	1.620	1.610	1.610	1.610
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.4**	**6.4**	**6.4**	**6.4**	**6.5**	**6.6**	**6.5**	**6.5**	**6.5**	**6.4**	**6.4**	**6.4**

Reactor Coolant System Leakage	1/01	2/01	3/01	4/01	5/01	6/01	7/01	8/01	9/01	10/01	11/01	12/01
Maximum leakage	1.610	1.610	1.610	1.610	1.610	1.620	1.610	1.610	1.610	1.630	1.570	1.630
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.4**	**6.4**	**6.4**	**6.4**	**6.4**	**6.5**	**6.4**	**6.4**	**6.4**	**6.5**	**6.3**	**6.5**

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	0	38.0	56.0	51.0	21.0	30.0	33.0	0
Total opportunities	0	38.0	57.0	56.0	23.0	32.0	38.0	0
Indicator value	**93.9%**	**94.6%**	**96.2%**	**94.9%**	**94.5%**	**94.6%**	**94.1%**	**93.9%**

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	40.0	47.0	52.0	51.0	51.0	51.0	58.0	58.0
Total Key personnel	49.0	50.0	52.0	53.0	53.0	53.0	61.0	61.0
Indicator value	**81.6%**	**94.0%**	**100.0%**	**96.2%**	**96.2%**	**96.2%**	**95.1%**	**95.1%**

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	337	343	330	338	342	342	338	348
Total sirens-tests	354	354	354	354	354	354	354	354
Indicator value	**95.9%**	**95.7%**	**94.7%**	**95.2%**	**95.6%**	**95.5%**	**96.0%**	**96.8%**

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**	**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	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	232.30	145.16	379.60	180.50	417.17	388.05	281.75	197.80
CCTV compensatory hours	0.1	1.0	0	98.6	188.1	78.9	1.0	0.5
IDS normalization factor	1.92	1.92	1.90	1.90	1.90	1.90	1.90	1.90
CCTV normalization factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Index Value	**0.035**	**0.031**	**0.032**	**0.034**	**0.050**	**0.062**	**0.059**	**0.054**

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

Fermi 2

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	1.0	0	0	0	0	0	1.0	0
Critical hours	1095.6	2208.0	2209.0	2160.0	2152.4	2208.0	1446.5	2160.0
Indicator value	**0.9**	**0.9**	**0.9**	**0.9**	**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/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	1.0	1.0	0	0	0	3.0
Critical hours	1095.6	2208.0	2209.0	2160.0	2152.4	2208.0	1446.5	2160.0
Indicator value	**0.9**	**0**	**0.9**	**1.8**	**1.6**	**1.6**	**0.9**	**2.6**

Licensee Comments:

1Q/02: 1/22/02, power reduced from 100% to 73% due to North Reactor Feed Pump speed controller problem; 02/16/2002, power reduced from 100% to 65% due to #6 LP Stop Valve Actuator problem; 03/30/2002, power reduced from 100% to 54% due to Reactor Recirculation Pump Motor – Generator Set trip.

Safety System Unavailability, Emergency AC Power, >2EDG

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

Notes

Safety System Unavailability, Emergency AC Power, >2EDG	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
Train 1								
Planned unavailable hours	3.43	9.79	42.19	3.47	7.86	21.92	6.47	6.00
Unplanned unavailable hours	0	0	0	0	0.82	0	0	0
Fault exposure hours	32.88	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	700.76	0
Required hours	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00
Train 2								
Planned unavailable hours	1.08	5.05	52.24	4.40	11.38	21.13	11.61	5.29
Unplanned unavailable hours	0	0	0	0	0.57	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	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00
Train 3								
Planned unavailable hours	5.58	6.49	42.56	4.46	3.32	42.65	5.79	5.82
Unplanned unavailable hours	0	0	0	0	10.60	0	0	0
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 4								
Planned unavailable hours	9.03	0	0	0	10.78	49.86	14.48	18.45
Unplanned unavailable hours	0	0	0	192.50	20.70	43.78	0	2.10
Fault exposure hours	0	2057.85	2209.00	1918.15	0	0	0	0
Effective Reset hours	0	378.10	0	0	0	0	0	6142.70
Required hours	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00
Indicator value	**2.1%**	**3.7%**	**5.9%**	**7.8%**	**7.8%**	**7.7%**	**7.1%**	**1.2%**

Licensee Comments:

1Q/02: 1Q 2001 EDG 14 bearing failure fault exposure hours reset and deferred planned unavailble hours restored in accordance with NEI 99-02 Revision 2 guidance.

Effective Reset Comments:

1Q/02: 1Q 2001 EDG 14 bearing failure fault hours reset and deferred planned hours added in accordance with NEI 99-02 Revision 2

1Q/02: 1Q 2001 EDG 14 bearing failure fault hours reset and deferred planned hours added in accordance with NEI 99-02 Revision 2.

1Q/02: 1Q 2001 EDG 14 bearing failure fault hours reset and deferred planned hours added in accordance with NEI 99-02 Revision 2

Safety System Unavailability, High Pressure Injection System (HPCI)

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

Notes

Safety System Unavailability, High Pressure Injection System (HPCI)	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
Train 1								
Planned unavailable hours	9.07	9.47	11.25	70.02	14.88	2.20	9.69	85.05
Unplanned unavailable hours	0	0	0	27.53	27.33	0	27.16	15.31
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1095.55	2208.00	2209.00	2160.00	2152.40	2208.00	1446.50	2160.00
Indicator value	**2.3%**	**2.0%**	**2.0%**	**2.3%**	**2.1%**	**2.0%**	**2.1%**	**2.4%**

Licensee Comments: none

Safety System Unavailability, Heat Removal System (RCIC)

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

Notes

Safety System Unavailability, Heat Removal System (RCIC)	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
Train 1								
Planned unavailable hours	5.27	4.13	7.90	1.70	8.50	2.38	161.85	37.45
Unplanned unavailable hours	0.40	0	0	9.10	59.10	0	10.35	2.87
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1095.55	2208.00	2209.00	2160.00	2152.40	2208.00	1446.50	2160.00
Indicator value	**1.7%**	**1.5%**	**1.5%**	**1.5%**	**1.6%**	**1.2%**	**1.9%**	**1.8%**

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	39.70	1.47	2.88	1.22	22.17	4.43	2.10
Unplanned unavailable hours	0	0.08	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	54.27	0.88	1.53	1.87	0.92	13.75	0	12.66
Unplanned unavailable hours	0	100.40	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00
Indicator value	**0.6%**	**0.8%**	**0.8%**	**0.8%**	**0.7%**	**0.7%**	**0.7%**	**0.7%**

Licensee Comments: none

Safety System Functional Failures (BWR)

Thresholds: White > 6.0

Notes

Safety System Functional Failures (BWR)	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02
Safety System Functional Failures	1	0	0	0	0	0	0	0
Indicator value	**5**	**4**	**2**	**1**	**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	N/A	0.000809	0.000958	0.000682	0.000570	0.000492	0.000475	0.000481	0.000510	0.000683	0.000488	0.000602
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**N/A**	**0.4**	**0.5**	**0.3**	**0.3**	**0.2**	**0.2**	**0.2**	**0.3**	**0.3**	**0.2**	**0.3**

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	0.000609	0.000436	0.000826	0.000739	0.000703	0.000425	0.000641	N/A	0.000373	0.000267	0.000201	0.000291
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0.3**	**0.2**	**0.4**	**0.4**	**0.4**	**0.2**	**0.3**	**N/A**	**0.2**	**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	4/00	5/00	6/00	7/00	8/00	9/00	10/00	11/00	12/00	1/01	2/01	3/01
Maximum leakage	1.590	1.630	1.640	1.620	1.620	1.620	1.610	1.610	1.610	1.610	1.610	1.610
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.4**	**6.5**	**6.6**	**6.5**	**6.5**	**6.5**	**6.4**	**6.4**	**6.4**	**6.4**	**6.4**	**6.4**

Reactor Coolant System Leakage	4/01	5/01	6/01	7/01	8/01	9/01	10/01	11/01	12/01	1/02	2/02	3/02
Maximum leakage	1.610	1.610	1.620	1.610	1.610	1.610	1.630	1.570	1.630	1.620	1.610	1.630
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.4**	**6.4**	**6.5**	**6.4**	**6.4**	**6.4**	**6.5**	**6.3**	**6.5**	**6.5**	**6.4**	**6.5**

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	38.0	56.0	51.0	21.0	30.0	33.0	0	42.0
Total opportunities	38.0	57.0	56.0	23.0	32.0	38.0	0	46.0
Indicator value	**94.6%**	**96.2%**	**94.9%**	**94.5%**	**94.6%**	**94.1%**	**93.9%**	**93.4%**

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	47.0	52.0	51.0	51.0	51.0	58.0	58.0	59.0
Total Key personnel	50.0	52.0	53.0	53.0	53.0	61.0	61.0	60.0
Indicator value	**94.0%**	**100.0%**	**96.2%**	**96.2%**	**96.2%**	**95.1%**	**95.1%**	**98.3%**

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	343	330	338	342	342	338	348	344
Total sirens-tests	354	354	354	354	354	354	354	354
Indicator value	**95.7%**	**94.7%**	**95.2%**	**95.6%**	**95.5%**	**96.0%**	**96.8%**	**96.9%**

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	**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	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	145.16	379.60	180.50	417.17	388.05	281.75	197.80	237.63
CCTV compensatory hours	1.0	0	98.6	188.1	78.9	1.0	0.5	4.5
IDS normalization factor	1.92	1.90	1.90	1.90	1.90	1.90	1.90	1.90
CCTV normalization factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Index Value	**0.031**	**0.032**	**0.034**	**0.050**	**0.062**	**0.059**	**0.054**	**0.038**

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

Fermi 2

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	1.0	0	0
Critical hours	2208.0	2209.0	2160.0	2152.4	2208.0	1446.5	2160.0	2183.0
Indicator value	**0.9**	**0.9**	**0.9**	**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/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	1.0	1.0	0	0	0	3.0	2.0
Critical hours	2208.0	2209.0	2160.0	2152.4	2208.0	1446.5	2160.0	2183.0
Indicator value	**0**	**0.9**	**1.8**	**1.6**	**1.6**	**0.9**	**2.6**	**4.4**

Licensee Comments:

2Q/02: On 5/19/2002 North Reactor Feedwater Pump Turbine went to minimum speed following transfer of operating oil pumps causing runback from 100% to 74% of rated power. On 6/9/2002 an air relay failure on 5 North Feedwater Heater level control valve caused a runback from 93% to 71% of rated power

Safety System Unavailability, Emergency AC Power, >2EDG

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

Notes

Safety System Unavailability, Emergency AC Power, >2EDG	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
Train 1								
Planned unavailable hours	9.79	42.19	3.47	7.86	21.92	6.47	6.00	35.65
Unplanned unavailable hours	0	0	0	0.82	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	700.76	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	5.05	52.24	4.40	11.38	21.13	11.61	5.29	145.44
Unplanned unavailable hours	0	0	0	0.57	0	0	0	0
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 3								
Planned unavailable hours	6.49	42.56	4.46	3.32	42.65	5.79	5.82	32.67
Unplanned unavailable hours	0	0	0	10.60	0	0	0	8.38
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00
Train 4								
Planned unavailable hours	0	0	0	10.78	49.86	14.48	18.45	56.16
Unplanned unavailable hours	0	0	192.50	20.70	43.78	0	2.10	0
Fault exposure hours	2057.85	2209.00	1918.15	0	0	0	0	0
Effective Reset hours	378.10	0	0	0	0	0	6142.70	0
Required hours	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00

Indicator value	**3.7%**	**5.9%**	**7.8%**	**7.8%**	**7.7%**	**7.1%**	**1.2%**	**1.4%**

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPCI)

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

Notes

Safety System Unavailability, High Pressure Injection System (HPCI)	**3Q/00**	**4Q/00**	**1Q/01**	**2Q/01**	**3Q/01**	**4Q/01**	**1Q/02**	**2Q/02**
Train 1								
Planned unavailable hours	9.47	11.25	70.02	14.88	2.20	9.69	85.05	21.45
Unplanned unavailable hours	0	0	27.53	27.33	0	27.16	15.31	0
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	2152.40	2208.00	1446.50	2160.00	2183.00
Indicator value	**2.0%**	**2.0%**	**2.3%**	**2.1%**	**2.0%**	**2.1%**	**2.4%**	**2.0%**

Licensee Comments: none

Safety System Unavailability, Heat Removal System (RCIC)

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

Notes

Safety System Unavailability, Heat Removal System (RCIC)	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
Train 1								
Planned unavailable hours	4.13	7.90	1.70	8.50	2.38	161.85	37.45	1.98
Unplanned unavailable hours	0	0	9.10	59.10	0	10.35	2.87	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	2160.00	2152.40	2208.00	1446.50	2160.00	2183.00
Indicator value	**1.5%**	**1.5%**	**1.5%**	**1.6%**	**1.2%**	**1.9%**	**1.8%**	**1.8%**

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System

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

Notes

Safety System Unavailability, Residual Heat Removal System	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
Train 1								
Planned unavailable hours	39.70	1.47	2.88	1.22	22.17	4.43	2.10	0.67
Unplanned unavailable hours	0.08	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	0.88	1.53	1.87	0.92	13.75	0	12.66	17.74
Unplanned unavailable hours	100.40	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00
Indicator value	**0.8%**	**0.8%**	**0.8%**	**0.7%**	**0.7%**	**0.7%**	**0.7%**	**0.7%**

Licensee Comments: none

Thresholds: White > 6.0

Notes

Safety System Functional Failures (BWR)	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02
Safety System Functional Failures	0	0	0	0	0	0	0	0
Indicator value	**4**	**2**	**1**	**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	0.000682	0.000570	0.000492	0.000475	0.000481	0.000510	0.000683	0.000488	0.000602	0.000609	0.000436	0.000826
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0.3**	**0.3**	**0.2**	**0.2**	**0.2**	**0.3**	**0.3**	**0.2**	**0.3**	**0.3**	**0.2**	**0.4**

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	0.000739	0.000703	0.000425	0.000641	N/A	0.000373	0.000267	0.000201	0.000291	0.000174	0.000178	0.000198
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0.4**	**0.4**	**0.2**	**0.3**	**N/A**	**0.2**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**

Licensee Comments: none

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	7/00	8/00	9/00	10/00	11/00	12/00	1/01	2/01	3/01	4/01	5/01	6/01
Maximum leakage	1.620	1.620	1.620	1.610	1.610	1.610	1.610	1.610	1.610	1.610	1.610	1.620
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.5**	**6.5**	**6.5**	**6.4**	**6.4**	**6.4**	**6.4**	**6.4**	**6.4**	**6.4**	**6.4**	**6.5**

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	1.610	1.610	1.610	1.630	1.570	1.630	1.620	1.610	1.630	1.900	1.890	1.630
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.4**	**6.4**	**6.4**	**6.5**	**6.3**	**6.5**	**6.5**	**6.4**	**6.5**	**7.6**	**7.6**	**6.5**

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	56.0	51.0	21.0	30.0	33.0	0	42.0	53.0
Total opportunities	57.0	56.0	23.0	32.0	38.0	0	46.0	53.0
Indicator value	**96.2%**	**94.9%**	**94.5%**	**94.6%**	**94.1%**	**93.9%**	**93.4%**	**93.8%**

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	52.0	51.0	51.0	51.0	58.0	58.0	59.0	58.0
Total Key personnel	52.0	53.0	53.0	53.0	61.0	61.0	60.0	59.0
Indicator value	**100.0%**	**96.2%**	**96.2%**	**96.2%**	**95.1%**	**95.1%**	**98.3%**	**98.3%**

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	330	338	342	342	338	348	344	341
Total sirens-tests	354	354	354	354	354	354	354	354
Indicator value	**94.7%**	**95.2%**	**95.6%**	**95.5%**	**96.0%**	**96.8%**	**96.9%**	**96.8%**

Licensee Comments: none

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	**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	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	379.60	180.50	417.17	388.05	281.75	197.80	237.63	161.07
CCTV compensatory hours	0	98.6	188.1	78.9	1.0	0.5	4.5	18.6
IDS normalization factor	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90
CCTV normalization factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Index Value	**0.032**	**0.034**	**0.050**	**0.062**	**0.059**	**0.054**	**0.038**	**0.028**

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

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

Fermi 2

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	1.0	0	0	0
Critical hours	2209.0	2160.0	2152.4	2208.0	1446.5	2160.0	2183.0	2208.0
Indicator value	**0.9**	**0.9**	**0**	**0**	**0.9**	**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	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	1.0	1.0	0	0	0	3.0	2.0	0
Critical hours	2209.0	2160.0	2152.4	2208.0	1446.5	2160.0	2183.0	2208.0
Indicator value	**0.9**	**1.8**	**1.6**	**1.6**	**0.9**	**2.6**	**4.4**	**4.4**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power, >2EDG

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

Notes

Safety System Unavailability, Emergency AC Power, >2EDG	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
Train 1								
Planned unavailable hours	42.19	3.47	7.86	21.92	6.47	6.00	35.65	52.76
Unplanned unavailable hours	0	0	0.82	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	700.76	0	0	0
Required hours	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
Train 2								
Planned unavailable hours	52.24	4.40	11.38	21.13	11.61	5.29	145.44	11.37
Unplanned unavailable hours	0	0	0.57	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
Train 3								
Planned unavailable hours	42.56	4.46	3.32	42.65	5.79	5.82	32.67	7.72
Unplanned unavailable hours	0	0	10.60	0	0	0	8.38	1.30
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	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
Train 4								
Planned unavailable hours	0	0	10.78	49.86	14.48	18.45	56.16	23.22
Unplanned unavailable hours	0	192.50	20.70	43.78	0	2.10	0	3.94
Fault exposure hours	2209.00	1918.15	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	6142.70	0	0
Required hours	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
Indicator value	**5.9%**	**7.8%**	**7.8%**	**7.7%**	**7.1%**	**1.2%**	**1.4%**	**1.4%**

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPCI)

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

Notes

Safety System Unavailability, High Pressure Injection System (HPCI)	**4Q/00**	**1Q/01**	**2Q/01**	**3Q/01**	**4Q/01**	**1Q/02**	**2Q/02**	**3Q/02**
Train 1								
Planned unavailable hours	11.25	70.02	14.88	2.20	9.69	85.05	21.45	3.13
Unplanned unavailable hours	0	27.53	27.33	0	27.16	15.31	0	0
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	2152.40	2208.00	1446.50	2160.00	2183.00	2208.00
Indicator value	**2.0%**	**2.3%**	**2.1%**	**2.0%**	**2.1%**	**2.4%**	**2.0%**	**1.9%**

Licensee Comments: none

Safety System Unavailability, Heat Removal System (RCIC)

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

Notes

Safety System Unavailability, Heat Removal System (RCIC)	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02
Train 1								
Planned unavailable hours	7.90	1.70	8.50	2.38	161.85	37.45	1.98	2.83
Unplanned unavailable hours	0	9.10	59.10	0	10.35	2.87	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	2160.00	2152.40	2208.00	1446.50	2160.00	2183.00	2208.00
Indicator value	**1.5%**	**1.5%**	**1.6%**	**1.2%**	**1.9%**	**1.8%**	**1.8%**	**1.5%**

Licensee Comments:

3Q/02: Q32002- Hours originally reported for 5/2002 changed to 6/2002 following licensee internal review . Quarterly sum and indicator status are unaffected.

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	1.47	2.88	1.22	22.17	4.43	2.10	0.67	19.08
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
Train 2								
Planned unavailable hours	1.53	1.87	0.92	13.75	0	12.66	17.74	1.20
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
Indicator value	**0.8%**	**0.8%**	**0.7%**	**0.7%**	**0.7%**	**0.7%**	**0.7%**	**0.7%**

Licensee Comments: none

Thresholds: White > 6.0

Notes

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

Licensee Comments:

3Q/02: 3Q2002- LER 02003, Breach of Control Room Emergency Filtration System {CREF} ductwork integrity.

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	0.000475	0.000481	0.000510	0.000683	0.000488	0.000602	0.000609	0.000436	0.000826	0.000739	0.000703	0.000425
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0.2**	**0.2**	**0.3**	**0.3**	**0.2**	**0.3**	**0.3**	**0.2**	**0.4**	**0.4**	**0.4**	**0.2**

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	0.000641	N/A	0.000373	0.000267	0.000201	0.000291	0.000174	0.000178	0.000198	0.000208	0.000184	0.000196
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0.3**	**N/A**	**0.2**	**0.1**	**0.1**	**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	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	1.610	1.610	1.610	1.610	1.610	1.610	1.610	1.610	1.620	1.610	1.610	1.610
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.4**	**6.4**	**6.4**	**6.4**	**6.4**	**6.4**	**6.4**	**6.4**	**6.5**	**6.4**	**6.4**	**6.4**

Reactor Coolant System Leakage	10/01	11/01	12/01	1/02	2/02	3/02	4/02	5/02	6/02	7/02	8/02	9/02
Maximum leakage	1.630	1.570	1.630	1.620	1.610	1.630	1.900	1.890	1.630	1.630	1.620	1.630
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.5**	**6.3**	**6.5**	**6.5**	**6.4**	**6.5**	**7.6**	**7.6**	**6.5**	**6.5**	**6.5**	**6.5**

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	51.0	21.0	30.0	33.0	0	42.0	51.0	145.0
Total opportunities	56.0	23.0	32.0	38.0	0	46.0	51.0	154.0
Indicator value	**94.9%**	**94.5%**	**94.6%**	**94.1%**	**93.9%**	**93.4%**	**93.7%**	**93.3%**

Licensee Comments:

3Q/02: 3Q2002- June 2002 DEP data revised following re-analysis of 6/11/02 drill.Indicator status not affected.

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	51.0	51.0	51.0	58.0	58.0	59.0	58.0	61.0
Total Key personnel	53.0	53.0	53.0	61.0	61.0	60.0	59.0	62.0
Indicator value	**96.2%**	**96.2%**	**96.2%**	**95.1%**	**95.1%**	**98.3%**	**98.3%**	**98.4%**

Licensee Comments: none

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	338	342	342	338	348	344	341	198
Total sirens-tests	354	354	354	354	354	354	354	206
Indicator value	**95.2%**	**95.6%**	**95.5%**	**96.0%**	**96.8%**	**96.9%**	**96.8%**	**97.1%**

Licensee Comments:

3Q/02: 3Q2002- Siren upgrade in progress, data includes combination of old and new siren tests.

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	180.50	417.17	388.05	281.75	197.80	237.63	161.07	142.80
CCTV compensatory hours	98.6	188.1	78.9	1.0	0.5	4.5	18.6	7.9
IDS normalization factor	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90
CCTV normalization factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Index Value	**0.034**	**0.050**	**0.062**	**0.059**	**0.054**	**0.038**	**0.028**	**0.024**

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

Fermi 2

4Q/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	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
Unplanned scrams	0	0	0	1.0	0	0	0	2.0
Critical hours	2160.0	2152.4	2208.0	1446.5	2160.0	2183.0	2208.0	2094.9
Indicator value	**0.9**	**0**	**0**	**0.9**	**0.9**	**0.9**	**0.9**	**1.6**

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	1.0	0	0	0	3.0	2.0	0	0
Critical hours	2160.0	2152.4	2208.0	1446.5	2160.0	2183.0	2208.0	2094.9
Indicator value	**1.8**	**1.6**	**1.6**	**0.9**	**2.6**	**4.4**	**4.4**	**4.0**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power, >2EDG

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

Notes

Safety System Unavailability, Emergency AC Power, >2EDG	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
Train 1								
Planned unavailable hours	3.47	7.86	21.92	6.47	6.00	35.65	52.76	7.04
Unplanned unavailable hours	0	0.82	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	700.76	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Train 2								
Planned unavailable hours	4.40	11.38	21.13	11.61	5.29	145.44	11.37	16.53
Unplanned unavailable hours	0	0.57	0	0	0	0	0	26.40
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Train 3								
Planned unavailable hours	4.46	3.32	42.65	5.79	5.82	32.67	7.72	6.95
Unplanned unavailable hours	0	10.60	0	0	0	8.38	1.30	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	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Train 4								
Planned unavailable hours	0	10.78	49.86	14.48	18.45	56.16	23.22	7.74
Unplanned unavailable hours	192.50	20.70	43.78	0	2.10	0	3.94	0
Fault exposure hours	1918.15	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	6142.70	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Indicator value	**7.8%**	**7.8%**	**7.7%**	**7.1%**	**1.2%**	**1.4%**	**1.4%**	**1.4%**

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPCI)

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

Notes

Safety System Unavailability, High Pressure Injection System (HPCI)	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
Train 1								
Planned unavailable hours	70.02	14.88	2.20	9.69	85.05	21.45	3.13	2.20
Unplanned unavailable hours	27.53	27.33	0	27.16	15.31	0	0	0
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	2152.40	2208.00	1446.50	2160.00	2183.00	2208.00	2094.90
Indicator value	**2.3%**	**2.1%**	**2.0%**	**2.1%**	**2.4%**	**2.0%**	**1.9%**	**1.9%**

Licensee Comments: none

Safety System Unavailability, Heat Removal System (RCIC)

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

Notes

Safety System Unavailability, Heat Removal System (RCIC)	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
Train 1								
Planned unavailable hours	1.70	8.50	2.38	161.85	37.45	1.98	2.83	127.80
Unplanned unavailable hours	9.10	59.10	0	10.35	2.87	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	2160.00	2152.40	2208.00	1446.50	2160.00	2183.00	2208.00	2094.90
Indicator value	**1.5%**	**1.6%**	**1.2%**	**1.9%**	**1.8%**	**1.8%**	**1.5%**	**2.0%**

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	2.88	1.22	22.17	4.43	2.10	0.67	19.08	3.13
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	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Train 2								
Planned unavailable hours	1.87	0.92	13.75	0	12.66	17.74	1.20	1.50
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Indicator value	**0.8%**	**0.7%**	**0.7%**	**0.7%**	**0.7%**	**0.7%**	**0.7%**	**0.7%**

Licensee Comments: none

Safety System Functional Failures (BWR)

Thresholds: White > 6.0

Notes

Safety System Functional Failures (BWR)	1Q/01	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02
Safety System Functional Failures	0	0	0	0	0	0	1	0
Indicator value	**1**	**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	1/01	2/01	3/01	4/01	5/01	6/01	7/01	8/01	9/01	10/01	11/01	12/01
Maximum activity	0.000683	0.000488	0.000602	0.000609	0.000436	0.000826	0.000739	0.000703	0.000425	0.000641	N/A	0.000373
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0.3**	**0.2**	**0.3**	**0.3**	**0.2**	**0.4**	**0.4**	**0.4**	**0.2**	**0.3**	**N/A**	**0.2**

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	0.000267	0.000201	0.000291	0.000174	0.000178	0.000198	0.000208	0.000184	0.000196	0.000173	0.000211	0.000169
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**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	1/01	2/01	3/01	4/01	5/01	6/01	7/01	8/01	9/01	10/01	11/01	12/01
Maximum leakage	1.610	1.610	1.610	1.610	1.610	1.620	1.610	1.610	1.610	1.630	1.570	1.630
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.4**	**6.4**	**6.4**	**6.4**	**6.4**	**6.5**	**6.4**	**6.4**	**6.4**	**6.5**	**6.3**	**6.5**

Reactor Coolant System Leakage	1/02	2/02	3/02	4/02	5/02	6/02	7/02	8/02	9/02	10/02	11/02	12/02
Maximum leakage	1.620	1.610	1.630	1.900	1.890	1.630	1.630	1.620	1.630	1.630	1.620	1.620
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.5**	**6.4**	**6.5**	**7.6**	**7.6**	**6.5**	**6.5**	**6.5**	**6.5**	**6.5**	**6.5**	**6.5**

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	21.0	30.0	33.0	0	42.0	51.0	145.0	10.0
Total opportunities	23.0	32.0	38.0	0	46.0	51.0	154.0	10.0
Indicator value	**94.5%**	**94.6%**	**94.1%**	**93.9%**	**93.4%**	**93.7%**	**93.3%**	**93.8%**

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	51.0	51.0	58.0	58.0	59.0	58.0	61.0	60.0
Total Key personnel	53.0	53.0	61.0	61.0	60.0	59.0	62.0	61.0
Indicator value	**96.2%**	**96.2%**	**95.1%**	**95.1%**	**98.3%**	**98.3%**	**98.4%**	**98.4%**

Licensee Comments: none

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	342	342	338	348	344	341	198	181
Total sirens-tests	354	354	354	354	354	354	206	181
Indicator value	**95.6%**	**95.5%**	**96.0%**	**96.8%**	**96.9%**	**96.8%**	**97.1%**	**97.2%**

Licensee Comments:

4Q/02: Siren replacement is complete, only new sirens are tested and reported.

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	417.17	388.05	281.75	197.80	237.63	161.07	142.80	139.82
CCTV compensatory hours	188.1	78.9	1.0	0.5	4.5	18.6	7.9	41.3
IDS normalization factor	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90
CCTV normalization factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Index Value	**0.050**	**0.062**	**0.059**	**0.054**	**0.038**	**0.028**	**0.024**	**0.025**

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

Fermi 2

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	1.0	0	0	0	2.0	0
Critical hours	2152.4	2208.0	1446.5	2160.0	2183.0	2208.0	2094.9	2086.6
Indicator value	**0**	**0**	**0.9**	**0.9**	**0.9**	**0.9**	**1.6**	**1.6**

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	0	0	3.0	2.0	0	0	1.0
Critical hours	2152.4	2208.0	1446.5	2160.0	2183.0	2208.0	2094.9	2086.6
Indicator value	**1.6**	**1.6**	**0.9**	**2.6**	**4.4**	**4.4**	**4.0**	**2.4**

Licensee Comments:

1Q/03: On 3/22/03, Reactor Recirculation Pump B ran back to minimum speed due to a Digital Control System hardware failure. Power decreased from 100% to 32%.

Safety System Unavailability, Emergency AC Power, >2EDG

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

Notes

Safety System Unavailability, Emergency AC Power, >2EDG	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
Train 1								
Planned unavailable hours	7.86	21.92	6.47	6.00	35.65	52.76	7.04	38.03
Unplanned unavailable hours	0.82	0	0	0	0	0	0	29.82
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	700.76	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	11.38	21.13	11.61	5.29	145.44	11.37	16.53	17.09
Unplanned unavailable hours	0.57	0	0	0	0	0	26.40	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00
Train 3								
Planned unavailable hours	3.32	42.65	5.79	5.82	32.67	7.72	6.95	26.45
Unplanned unavailable hours	10.60	0	0	0	8.38	1.30	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	2208.00	2209.00	2160.00
Train 4								
Planned unavailable hours	10.78	49.86	14.48	18.45	56.16	23.22	7.74	24.71
Unplanned unavailable hours	20.70	43.78	0	2.10	0	3.94	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	6142.70	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00

Indicator value	**7.8%**	**7.7%**	**7.1%**	**1.2%**	**1.4%**	**1.4%**	**1.4%**	**1.3%**

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPCI)

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

Notes

Safety System Unavailability, High Pressure Injection System (HPCI)	**2Q/01**	**3Q/01**	**4Q/01**	**1Q/02**	**2Q/02**	**3Q/02**	**4Q/02**	**1Q/03**
Train 1								
Planned unavailable hours	14.88	2.20	9.69	85.05	21.45	3.13	2.20	26.08
Unplanned unavailable hours	27.33	0	27.16	15.31	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2152.40	2208.00	1446.50	2160.00	2183.00	2208.00	2094.90	2086.60
Indicator value	**2.1%**	**2.0%**	**2.1%**	**2.4%**	**2.0%**	**1.9%**	**1.9%**	**1.5%**

Licensee Comments: none

Safety System Unavailability, Heat Removal System (RCIC)

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

Notes

Safety System Unavailability, Heat Removal System (RCIC)	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
Train 1								
Planned unavailable hours	8.50	2.38	161.85	37.45	1.98	2.83	127.80	14.21
Unplanned unavailable hours	59.10	0	10.35	2.87	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	2152.40	2208.00	1446.50	2160.00	2183.00	2208.00	2094.90	2086.60
Indicator value	**1.6%**	**1.2%**	**1.9%**	**1.8%**	**1.8%**	**1.5%**	**2.0%**	**1.9%**

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	1.22	22.17	4.43	2.10	0.67	19.08	3.13	0.88
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	0.92	13.75	0	12.66	17.74	1.20	1.50	9.05
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	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00
Indicator value	**0.7%**	**0.7%**	**0.7%**	**0.7%**	**0.7%**	**0.7%**	**0.7%**	**0.6%**

Licensee Comments: none

Thresholds: White > 6.0

Notes

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

Licensee Comments: none

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	0.000609	0.000436	0.000826	0.000739	0.000703	0.000425	0.000641	N/A	0.000373	0.000267	0.000201	0.000291
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0.3**	**0.2**	**0.4**	**0.4**	**0.4**	**0.2**	**0.3**	**N/A**	**0.2**	**0.1**	**0.1**	**0.1**

Reactor Coolant System Activity	4/02	5/02	6/02	7/02	8/02	9/02	10/02	11/02	12/02	1/03	2/03	3/03
Maximum activity	0.000174	0.000178	0.000198	0.000208	0.000184	0.000196	0.000173	0.000211	0.000169	0.000144	0.000178	0.000168
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**

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	1.610	1.610	1.620	1.610	1.610	1.610	1.630	1.570	1.630	1.620	1.610	1.630
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.4**	**6.4**	**6.5**	**6.4**	**6.4**	**6.4**	**6.5**	**6.3**	**6.5**	**6.5**	**6.4**	**6.5**

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	1.900	1.890	1.630	1.630	1.620	1.630	1.630	1.620	1.620	1.630	1.630	1.630
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**7.6**	**7.6**	**6.5**	**6.5**	**6.5**	**6.5**	**6.5**	**6.5**	**6.5**	**6.5**	**6.5**	**6.5**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
Successful opportunities	30.0	33.0	0	42.0	51.0	145.0	10.0	64.0
Total opportunities	32.0	38.0	0	46.0	51.0	154.0	10.0	65.0
Indicator value	**94.6%**	**94.1%**	**93.9%**	**93.4%**	**93.7%**	**93.3%**	**93.8%**	**94.7%**

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	51.0	58.0	58.0	59.0	58.0	61.0	60.0	60.0
Total Key personnel	53.0	61.0	61.0	60.0	59.0	62.0	61.0	60.0
Indicator value	**96.2%**	**95.1%**	**95.1%**	**98.3%**	**98.3%**	**98.4%**	**98.4%**	**100.0%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/01	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03
Successful siren-tests	342	338	348	344	341	198	181	185
Total sirens-tests	354	354	354	354	354	206	181	186
Indicator value	**95.5%**	**96.0%**	**96.8%**	**96.9%**	**96.8%**	**97.1%**	**97.2%**	**97.6%**

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

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	388.05	281.75	197.80	237.63	161.07	142.80	139.82	605.38
CCTV compensatory hours	78.9	1.0	0.5	4.5	18.6	7.9	41.3	0.8
IDS normalization factor	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90
CCTV normalization factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Index Value	**0.062**	**0.059**	**0.054**	**0.038**	**0.028**	**0.024**	**0.025**	**0.035**

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

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

Fermi 2

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	1.0	0	0	0	2.0	0	0
Critical hours	2208.0	1446.5	2160.0	2183.0	2208.0	2094.9	2086.6	1307.5
Indicator value	**0**	**0.9**	**0.9**	**0.9**	**0.9**	**1.6**	**1.6**	**1.8**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	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	0	0	3.0	2.0	0	0	1.0	0
Critical hours	2208.0	1446.5	2160.0	2183.0	2208.0	2094.9	2086.6	1307.5
Indicator value	**1.6**	**0.9**	**2.6**	**4.4**	**4.4**	**4.0**	**2.4**	**0.9**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power, >2EDG

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

Notes

Safety System Unavailability, Emergency AC Power, >2EDG	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
Train 1								
Planned unavailable hours	21.92	6.47	6.00	35.65	52.76	7.04	38.03	8.15
Unplanned unavailable hours	0	0	0	0	0	0	29.82	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	700.76	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	21.13	11.61	5.29	145.44	11.37	16.53	17.09	3.88
Unplanned unavailable hours	0	0	0	0	0	26.40	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00
Train 3								
Planned unavailable hours	42.65	5.79	5.82	32.67	7.72	6.95	26.45	3.55
Unplanned unavailable hours	0	0	0	8.38	1.30	0	0	2.03
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00
Train 4								
Planned unavailable hours	49.86	14.48	18.45	56.16	23.22	7.74	24.71	8.61
Unplanned unavailable hours	43.78	0	2.10	0	3.94	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	6142.70	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	**7.7%**	**7.1%**	**1.2%**	**1.4%**	**1.4%**	**1.4%**	**1.3%**	**1.3%**

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPCI)

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

Notes

Safety System Unavailability, High Pressure Injection System (HPCI)	**3Q/01**	**4Q/01**	**1Q/02**	**2Q/02**	**3Q/02**	**4Q/02**	**1Q/03**	**2Q/03**
Train 1								
Planned unavailable hours	2.20	9.69	85.05	21.45	3.13	2.20	26.08	0
Unplanned unavailable hours	0	27.16	15.31	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	1446.50	2160.00	2183.00	2208.00	2094.90	2086.60	1307.50
Indicator value	**2.0%**	**2.1%**	**2.4%**	**2.0%**	**1.9%**	**1.9%**	**1.5%**	**1.4%**

Licensee Comments: none

Safety System Unavailability, Heat Removal System (RCIC)

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

Notes

Safety System Unavailability, Heat Removal System (RCIC)	3Q/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
Train 1								
Planned unavailable hours	2.38	161.85	37.45	1.98	2.83	127.80	14.21	57.48
Unplanned unavailable hours	0	10.35	2.87	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	1446.50	2160.00	2183.00	2208.00	2094.90	2086.60	1307.50
Indicator value	**1.2%**	**1.9%**	**1.8%**	**1.8%**	**1.5%**	**2.0%**	**1.9%**	**2.1%**

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/01	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03
Train 1								
Planned unavailable hours	22.17	4.43	2.10	0.67	19.08	3.13	0.88	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00
Train 2								
Planned unavailable hours	13.75	0	12.66	17.74	1.20	1.50	9.05	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00
Indicator value	**0.7%**	**0.7%**	**0.7%**	**0.7%**	**0.7%**	**0.7%**	**0.6%**	**0.5%**

Licensee Comments: none

Thresholds: White > 6.0

Notes

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

Licensee Comments:

2Q/03:

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	0.000739	0.000703	0.000425	0.000641	N/A	0.000373	0.000267	0.000201	0.000291	0.000174	0.000178	0.000198
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0.4**	**0.4**	**0.2**	**0.3**	**N/A**	**0.2**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**

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	0.000208	0.000184	0.000196	0.000173	0.000211	0.000169	0.000144	0.000178	0.000168	N/A	0.000080	0.000084
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**N/A**	**0**	**0**

Licensee Comments:

6/03: 2Q2003-No April 2003 Data, plant shutdown for Refuel Outage 9

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	1.610	1.610	1.610	1.630	1.570	1.630	1.620	1.610	1.630	1.900	1.890	1.630
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.4**	**6.4**	**6.4**	**6.5**	**6.3**	**6.5**	**6.5**	**6.4**	**6.5**	**7.6**	**7.6**	**6.5**

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	1.630	1.620	1.630	1.630	1.620	1.620	1.630	1.630	1.630	N/A	1.830	1.750
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.5**	**6.5**	**6.5**	**6.5**	**6.5**	**6.5**	**6.5**	**6.5**	**6.5**	**N/A**	**7.3**	**7.0**

Licensee Comments:

6/03: 2Q2003-No April 2003 Data, plant shutdown for Refuel Outage 9

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	33.0	0	42.0	51.0	145.0	10.0	64.0	28.0
Total opportunities	38.0	0	46.0	51.0	154.0	10.0	65.0	28.0
Indicator value	**94.1%**	**93.9%**	**93.4%**	**93.7%**	**93.3%**	**93.8%**	**94.7%**	**95.2%**

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	58.0	58.0	59.0	58.0	61.0	60.0	60.0	60.0
Total Key personnel	61.0	61.0	60.0	59.0	62.0	61.0	60.0	60.0
Indicator value	**95.1%**	**95.1%**	**98.3%**	**98.3%**	**98.4%**	**98.4%**	**100.0%**	**100.0%**

Licensee Comments: none

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	338	348	344	341	198	181	185	186
Total sirens-tests	354	354	354	354	206	181	186	186
Indicator value	**96.0%**	**96.8%**	**96.9%**	**96.8%**	**97.1%**	**97.2%**	**97.6%**	**98.8%**

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	281.75	197.80	237.63	161.07	142.80	139.82	605.38	135.40
CCTV compensatory hours	1.0	0.5	4.5	18.6	7.9	41.3	0.8	4.9
IDS normalization factor	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90
CCTV normalization factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Index Value	**0.059**	**0.054**	**0.038**	**0.028**	**0.024**	**0.025**	**0.035**	**0.034**

Licensee Comments: none

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

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

Fermi 2

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	1.0	0	0	0	2.0	0	0	1.0
Critical hours	1446.5	2160.0	2183.0	2208.0	2094.9	2086.6	1307.5	2010.5
Indicator value	**0.9**	**0.9**	**0.9**	**0.9**	**1.6**	**1.6**	**1.8**	**2.8**

Licensee Comments:

3Q/03: Turbine trip and automatic reactor scram due to regional transmission system failure on 8/14/2003.

3Q/03: Turbine trip and automatic reactor scram due to regional transmission system failure on 8/14/2003.

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	0	3.0	2.0	0	0	1.0	0	0
Critical hours	1446.5	2160.0	2183.0	2208.0	2094.9	2086.6	1307.5	2010.5
Indicator value	**0.9**	**2.6**	**4.4**	**4.4**	**4.0**	**2.4**	**0.9**	**0.9**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power, >2EDG

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

Notes

Safety System Unavailability, Emergency AC Power, >2EDG	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
Train 1								
Planned unavailable hours	6.47	6.00	35.65	52.76	7.04	38.03	8.15	28.15
Unplanned unavailable hours	0	0	0	0	0	29.82	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	700.76	0	0	0	0	0	0	0
Required hours	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
Train 2								
Planned unavailable hours	11.61	5.29	145.44	11.37	16.53	17.09	3.88	5.12
Unplanned unavailable hours	0	0	0	0	26.40	0	0	17.43
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
Train 3								
Planned unavailable hours	5.79	5.82	32.67	7.72	6.95	26.45	3.55	6.09
Unplanned unavailable hours	0	0	8.38	1.30	0	0	2.03	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	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
Train 4								
Planned unavailable hours	14.48	18.45	56.16	23.22	7.74	24.71	8.61	8.17
Unplanned unavailable hours	0	2.10	0	3.94	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	6142.70	0	0	0	0	0	0
Required hours	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00

Indicator value	**7.1%**	**1.2%**	**1.4%**	**1.4%**	**1.4%**	**1.3%**	**1.3%**	**1.3%**

Licensee Comments:

3Q/03: EDG 12{Train 2} 237.5 hours of T/2 fault exposure hours due to failed signal generator.

Safety System Unavailability, High Pressure Injection System (HPCI)

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

Notes

Safety System Unavailability, High Pressure Injection System (HPCI)	**4Q/01**	**1Q/02**	**2Q/02**	**3Q/02**	**4Q/02**	**1Q/03**	**2Q/03**	**3Q/03**
Train 1								
Planned unavailable hours	9.69	85.05	21.45	3.13	2.20	26.08	0	66.32
Unplanned unavailable hours	27.16	15.31	0	0	0	0	0	3.30
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1446.50	2160.00	2183.00	2208.00	2094.90	2086.60	1307.50	2010.50
Indicator value	**2.1%**	**2.4%**	**2.0%**	**1.9%**	**1.9%**	**1.5%**	**1.4%**	**1.7%**

Licensee Comments: none

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

Notes

Safety System Unavailability, Heat Removal System (RCIC)	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
Train 1								
Planned unavailable hours	161.85	37.45	1.98	2.83	127.80	14.21	57.48	7.98
Unplanned unavailable hours	10.35	2.87	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	1446.50	2160.00	2183.00	2208.00	2094.90	2086.60	1307.50	2010.50
Indicator value	**1.9%**	**1.8%**	**1.8%**	**1.5%**	**2.0%**	**1.9%**	**2.1%**	**2.1%**

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	4.43	2.10	0.67	19.08	3.13	0.88	0	13.76
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
Train 2								
Planned unavailable hours	0	12.66	17.74	1.20	1.50	9.05	0	8.85
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	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
Indicator value	**0.7%**	**0.7%**	**0.7%**	**0.7%**	**0.7%**	**0.6%**	**0.5%**	**0.3%**

Licensee Comments: none

Thresholds: White > 6.0

Notes

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

Licensee Comments: none

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	0.000641	N/A	0.000373	0.000267	0.000201	0.000291	0.000174	0.000178	0.000198	0.000208	0.000184	0.000196
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0.3**	**N/A**	**0.2**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**

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	0.000173	0.000211	0.000169	0.000144	0.000178	0.000168	N/A	0.000080	0.000084	0.000123	0.000124	0.000135
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**N/A**	**0**	**0**	**0.1**	**0.1**	**0.1**

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	1.630	1.570	1.630	1.620	1.610	1.630	1.900	1.890	1.630	1.630	1.620	1.630
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.5**	**6.3**	**6.5**	**6.5**	**6.4**	**6.5**	**7.6**	**7.6**	**6.5**	**6.5**	**6.5**	**6.5**

Reactor Coolant System Leakage	10/02	11/02	12/02	1/03	2/03	3/03	4/03	5/03	6/03	7/03	8/03	9/03
Maximum leakage	1.630	1.620	1.620	1.630	1.630	1.630	N/A	1.830	1.750	1.640	1.770	1.650
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.5**	**6.5**	**6.5**	**6.5**	**6.5**	**6.5**	**N/A**	**7.3**	**7.0**	**6.6**	**7.1**	**6.6**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
Successful opportunities	0	42.0	51.0	145.0	10.0	64.0	28.0	149.0
Total opportunities	0	46.0	51.0	154.0	10.0	65.0	28.0	156.0
Indicator value	**93.9%**	**93.4%**	**93.7%**	**93.3%**	**93.8%**	**94.7%**	**95.2%**	**95.9%**

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	58.0	59.0	58.0	61.0	60.0	60.0	60.0	63.0
Total Key personnel	61.0	60.0	59.0	62.0	61.0	60.0	60.0	64.0
Indicator value	**95.1%**	**98.3%**	**98.3%**	**98.4%**	**98.4%**	**100.0%**	**100.0%**	**98.4%**

Licensee Comments: none

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	348	344	341	198	181	185	186	186
Total sirens-tests	354	354	354	206	181	186	186	186
Indicator value	**96.8%**	**96.9%**	**96.8%**	**97.1%**	**97.2%**	**97.6%**	**98.8%**	**99.9%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	4Q/01	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
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/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	197.80	237.63	161.07	142.80	139.82	605.38	135.40	311.73
CCTV compensatory hours	0.5	4.5	18.6	7.9	41.3	0.8	4.9	2.8
IDS normalization factor	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90
CCTV normalization factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Index Value	**0.054**	**0.038**	**0.028**	**0.024**	**0.025**	**0.035**	**0.034**	**0.039**

Licensee Comments: none

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

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 28, 2003

Fermi 2

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	2.0	0	0	1.0	0
Critical hours	2160.0	2183.0	2208.0	2094.9	2086.6	1307.5	2010.5	2209.0
Indicator value	**0.9**	**0.9**	**0.9**	**1.6**	**1.6**	**1.8**	**2.8**	**0.9**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	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	3.0	2.0	0	0	1.0	0	0	0
Critical hours	2160.0	2183.0	2208.0	2094.9	2086.6	1307.5	2010.5	2209.0
Indicator value	**2.6**	**4.4**	**4.4**	**4.0**	**2.4**	**0.9**	**0.9**	**0.9**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power, >2EDG

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

Notes

Safety System Unavailability, Emergency AC Power, >2EDG	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
Train 1								
Planned unavailable hours	6.00	35.65	52.76	7.04	38.03	8.15	28.15	9.52
Unplanned unavailable hours	0	0	0	0	29.82	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Train 2								
Planned unavailable hours	5.29	145.44	11.37	16.53	17.09	2.13	0	11.47
Unplanned unavailable hours	0	0	0	26.40	0	0	0	0
Fault exposure hours	0	0	0	0	0	694.00	2208.00	928.93
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Train 3								
Planned unavailable hours	5.82	32.67	7.72	6.95	26.45	3.55	6.09	17.49
Unplanned unavailable hours	0	8.38	1.30	0	0	2.03	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	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Train 4								
Planned unavailable hours	18.45	56.16	23.22	7.74	24.71	8.61	8.17	5.63
Unplanned unavailable hours	2.10	0	3.94	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	6142.70	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00

Indicator value	**1.2%**	**1.4%**	**1.4%**	**1.4%**	**1.3%**	**1.9%**	**4.0%**	**4.8%**

Licensee Comments:

4Q/03: Train 2 {EDG 12} fault exposure hours incurred due to lube oil system pressure switch fitting found not fully made up, impacting seismic qualification. Change report submitted for June through September 2003 data.

3Q/03: EDG 12{Train 2} 237.5 hours of T/2 fault exposure hours due to failed signal generator.

Safety System Unavailability, High Pressure Injection System (HPCI)

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

Notes

Safety System Unavailability, High Pressure Injection System (HPCI)	**1Q/02**	**2Q/02**	**3Q/02**	**4Q/02**	**1Q/03**	**2Q/03**	**3Q/03**	**4Q/03**
Train 1								
Planned unavailable hours	85.05	21.45	3.13	2.20	26.08	0	66.32	3.18
Unplanned unavailable hours	15.31	0	0	0	0	0	3.30	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	2160.00	2183.00	2208.00	2094.90	2086.60	1307.50	2010.50	2209.00
Indicator value	**2.4%**	**2.0%**	**1.9%**	**1.9%**	**1.5%**	**1.4%**	**1.7%**	**1.7%**

Licensee Comments: none

Safety System Unavailability, Heat Removal System (RCIC)

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

Notes

Safety System Unavailability, Heat Removal System (RCIC)	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
Train 1								
Planned unavailable hours	37.45	1.98	2.83	127.80	14.21	57.48	7.98	2.52
Unplanned unavailable hours	2.87	0	0	0	0	0	0	2.92
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	2208.00	2094.90	2086.60	1307.50	2010.50	2209.00
Indicator value	**1.8%**	**1.8%**	**1.5%**	**2.0%**	**1.9%**	**2.1%**	**2.1%**	**2.1%**

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	2.10	0.67	19.08	3.13	0.88	0	13.76	0.62
Unplanned unavailable hours	0	0	0	0	0	0	0	0.15
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Train 2								
Planned unavailable hours	12.66	17.74	1.20	1.50	9.05	0	8.85	1.70
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Indicator value	**0.7%**	**0.7%**	**0.7%**	**0.7%**	**0.6%**	**0.5%**	**0.3%**	**0.3%**

Licensee Comments: none

Thresholds: White > 6.0

Notes

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

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	0.000267	0.000201	0.000291	0.000174	0.000178	0.000198	0.000208	0.000184	0.000196	0.000173	0.000211	0.000169
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**

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	0.000144	0.000178	0.000168	N/A	0.000080	0.000084	0.000123	0.000124	0.000135	0.000092	0.000129	0.000094
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0.1**	**0.1**	**0.1**	**N/A**	**0**	**0**	**0.1**	**0.1**	**0.1**	**0**	**0.1**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	1/02	2/02	3/02	4/02	5/02	6/02	7/02	8/02	9/02	10/02	11/02	12/02
Maximum leakage	1.620	1.610	1.630	1.900	1.890	1.630	1.630	1.620	1.630	1.630	1.620	1.620
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.5**	**6.4**	**6.5**	**7.6**	**7.6**	**6.5**	**6.5**	**6.5**	**6.5**	**6.5**	**6.5**	**6.5**

Reactor Coolant System Leakage	1/03	2/03	3/03	4/03	5/03	6/03	7/03	8/03	9/03	10/03	11/03	12/03
Maximum leakage	1.630	1.630	1.630	N/A	1.830	1.750	1.640	1.770	1.650	1.620	1.620	1.610
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.5**	**6.5**	**6.5**	**N/A**	**7.3**	**7.0**	**6.6**	**7.1**	**6.6**	**6.5**	**6.5**	**6.4**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
Successful opportunities	42.0	51.0	145.0	10.0	64.0	28.0	149.0	0
Total opportunities	46.0	51.0	154.0	10.0	65.0	28.0	156.0	0
Indicator value	**93.4%**	**93.7%**	**93.3%**	**93.8%**	**94.7%**	**95.2%**	**95.9%**	**95.9%**

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	59.0	58.0	61.0	60.0	60.0	60.0	63.0	61.0
Total Key personnel	60.0	59.0	62.0	61.0	60.0	60.0	64.0	65.0
Indicator value	**98.3%**	**98.3%**	**98.4%**	**98.4%**	**100.0%**	**100.0%**	**98.4%**	**93.8%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/02	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03
Successful siren-tests	344	341	198	181	185	186	186	186
Total sirens-tests	354	354	206	181	186	186	186	186
Indicator value	**96.9%**	**96.8%**	**97.1%**	**97.2%**	**97.6%**	**98.8%**	**99.9%**	**99.9%**

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

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	237.63	161.07	142.80	139.82	605.38	135.40	311.73	118.28
CCTV compensatory hours	4.5	18.6	7.9	41.3	0.8	4.9	2.8	32.3
IDS normalization factor	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90
CCTV normalization factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Index Value	**0.038**	**0.028**	**0.024**	**0.025**	**0.035**	**0.034**	**0.039**	**0.037**

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

Licensee Comments: none

FFD/Personnel Reliability

Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

PI Summary | Inspection Findings Summary | Reactor Oversight Process

Last Modified: January 23, 2004

Fermi 2

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	2.0	0	0	1.0	0	0
Critical hours	2183.0	2208.0	2094.9	2086.6	1307.5	2010.5	2209.0	2184.0
Indicator value	**0.9**	**0.9**	**1.6**	**1.6**	**1.8**	**2.8**	**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/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	2.0	0	0	1.0	0	0	0	1.0
Critical hours	2183.0	2208.0	2094.9	2086.6	1307.5	2010.5	2209.0	2184.0
Indicator value	**4.4**	**4.4**	**4.0**	**2.4**	**0.9**	**0.9**	**0.9**	**0.9**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power, >2EDG

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

Notes

Safety System Unavailability, Emergency AC Power, >2EDG	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
Train 1								
Planned unavailable hours	35.65	52.76	7.04	38.03	8.15	28.15	9.52	10.00
Unplanned unavailable hours	0	0	0	29.82	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2184.00
Train 2								
Planned unavailable hours	145.44	11.37	16.53	17.09	2.13	0	11.47	71.86
Unplanned unavailable hours	0	0	26.40	0	0	0	0	0
Fault exposure hours	0	0	0	0	694.00	2208.00	928.93	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2184.00
Train 3								
Planned unavailable hours	32.67	7.72	6.95	26.45	3.55	6.09	17.49	8.03
Unplanned unavailable hours	8.38	1.30	0	0	2.03	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	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2184.00
Train 4								
Planned unavailable hours	56.16	23.22	7.74	24.71	8.61	8.17	5.63	13.07
Unplanned unavailable hours	0	3.94	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2184.00
Indicator value	**1.4%**	**1.4%**	**1.4%**	**1.3%**	**1.9%**	**4.0%**	**4.8%**	**4.7%**

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPCI)

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

Notes

Safety System Unavailability, High Pressure Injection System (HPCI)	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
Train 1								
Planned unavailable hours	21.45	3.13	2.20	26.08	0	66.32	3.18	1.37
Unplanned unavailable hours	0	0	0	0	0	3.30	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	2094.90	2086.60	1307.50	2010.50	2209.00	2184.00
Indicator value	**2.0%**	**1.9%**	**1.9%**	**1.5%**	**1.4%**	**1.7%**	**1.7%**	**1.3%**

Licensee Comments: none

Safety System Unavailability, Heat Removal System (RCIC)

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

Notes

Safety System Unavailability, Heat Removal System (RCIC)	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
Train 1								
Planned unavailable hours	1.98	2.83	127.80	14.21	57.48	7.98	2.52	55.16
Unplanned unavailable hours	0	0	0	0	0	0	2.92	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	2208.00	2094.90	2086.60	1307.50	2010.50	2209.00	2184.00
Indicator value	**1.8%**	**1.5%**	**2.0%**	**1.9%**	**2.1%**	**2.1%**	**2.1%**	**2.3%**

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	0.67	19.08	3.13	0.88	0	13.76	0.62	1.42
Unplanned unavailable hours	0	0	0	0	0.65	0	0.15	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2184.00
Train 2								
Planned unavailable hours	17.74	1.20	1.50	9.05	0	8.85	1.70	1.10
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2184.00
Indicator value	**0.7%**	**0.7%**	**0.7%**	**0.6%**	**0.5%**	**0.3%**	**0.3%**	**0.3%**

Licensee Comments:

2Q/03: April 2003 Train 1 RHR Data amended in Q1 2004 submittal as the result of data review. 39 minutes of unplanned unavailibility added, no impact on Indicator status {remained Green}

Safety System Functional Failures (BWR)

Thresholds: White > 6.0

Notes

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

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	4/02	5/02	6/02	7/02	8/02	9/02	10/02	11/02	12/02	1/03	2/03	3/03
Maximum activity	0.000174	0.000178	0.000198	0.000208	0.000184	0.000196	0.000173	0.000211	0.000169	0.000144	0.000178	0.000168
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**

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	N/A	0.000080	0.000084	0.000123	0.000124	0.000135	0.000092	0.000129	0.000094	0.000089	0.000094	0.000114
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**N/A**	**0**	**0**	**0.1**	**0.1**	**0.1**	**0**	**0.1**	**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	1.900	1.890	1.630	1.630	1.620	1.630	1.630	1.620	1.620	1.630	1.630	1.630
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**7.6**	**7.6**	**6.5**	**6.5**	**6.5**	**6.5**	**6.5**	**6.5**	**6.5**	**6.5**	**6.5**	**6.5**

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	N/A	1.830	1.750	1.640	1.770	1.650	1.620	1.620	1.610	1.610	1.600	1.610
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**N/A**	**7.3**	**7.0**	**6.6**	**7.1**	**6.6**	**6.5**	**6.5**	**6.4**	**6.4**	**6.4**	**6.4**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/02	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04
Successful opportunities	51.0	145.0	10.0	64.0	28.0	149.0	0	54.0
Total opportunities	51.0	154.0	10.0	65.0	28.0	156.0	0	57.0
Indicator value	**93.7%**	**93.3%**	**93.8%**	**94.7%**	**95.2%**	**95.9%**	**95.9%**	**96.2%**

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	58.0	61.0	60.0	60.0	60.0	63.0	61.0	78.0
Total Key personnel	59.0	62.0	61.0	60.0	60.0	64.0	65.0	78.0
Indicator value	**98.3%**	**98.4%**	**98.4%**	**100.0%**	**100.0%**	**98.4%**	**93.8%**	**100.0%**

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	341	198	181	185	186	186	186	181
Total sirens-tests	354	206	181	186	186	186	186	186
Indicator value	**96.8%**	**97.1%**	**97.2%**	**97.6%**	**98.8%**	**99.9%**	**99.9%**	**99.3%**

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

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	161.07	142.80	139.82	605.38	135.40	311.73	118.28	5.43
CCTV compensatory hours	18.6	7.9	41.3	0.8	4.9	2.8	32.3	11.6
IDS normalization factor	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90
CCTV normalization factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Index Value	**0.028**	**0.024**	**0.025**	**0.035**	**0.034**	**0.039**	**0.037**	**0.020**

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

Fermi 2

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	2.0	0	0	1.0	0	0	0
Critical hours	2208.0	2094.9	2086.6	1307.5	2010.5	2209.0	2184.0	2183.0
Indicator value	**0.9**	**1.6**	**1.6**	**1.8**	**2.8**	**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	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	0	1.0	0	0	0	1.0	0
Critical hours	2208.0	2094.9	2086.6	1307.5	2010.5	2209.0	2184.0	2183.0
Indicator value	**4.4**	**4.0**	**2.4**	**0.9**	**0.9**	**0.9**	**0.9**	**0.8**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power, >2EDG

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

Notes

Safety System Unavailability, Emergency AC Power, >2EDG	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
Train 1								
Planned unavailable hours	52.76	7.04	38.03	8.15	28.15	9.52	10.00	6.70
Unplanned unavailable hours	0	0	29.82	0	0	0	0	1.27
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	2208.00	2209.00	2184.00	2183.00
Train 2								
Planned unavailable hours	11.37	16.53	17.09	2.13	0	11.47	71.86	4.76
Unplanned unavailable hours	0	26.40	0	0	0	0	0	0
Fault exposure hours	0	0	0	694.00	2208.00	928.93	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2184.00	2183.00
Train 3								
Planned unavailable hours	7.72	6.95	26.45	3.55	6.09	17.49	8.03	4.84
Unplanned unavailable hours	1.30	0	0	2.03	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	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2184.00	2183.00
Train 4								
Planned unavailable hours	23.22	7.74	24.71	8.61	8.17	5.63	13.07	5.91
Unplanned unavailable hours	3.94	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2184.00	2183.00
Indicator value	**1.4%**	**1.4%**	**1.3%**	**1.9%**	**4.0%**	**4.8%**	**4.7%**	**4.7%**

Licensee Comments:

2Q/04: Train 2 {EDG 12}: 427 T/2 fault hours assigned from 10/22/01 through 11/9/01 based on engineering review of 11/14/01 signal generator failure. This change has no effect on the current indicator value.

Safety System Unavailability, High Pressure Injection System (HPCI)

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

Notes

Safety System Unavailability, High Pressure Injection System (HPCI)	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
Train 1								
Planned unavailable hours	3.13	2.20	26.08	0	66.32	3.18	1.37	73.04
Unplanned unavailable hours	0	0	0	0	3.30	0	0	20.77
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	2094.90	2086.60	1307.50	2010.50	2209.00	2184.00	2183.00
Indicator value	**1.9%**	**1.9%**	**1.5%**	**1.4%**	**1.7%**	**1.7%**	**1.3%**	**1.5%**

Licensee Comments: none

Safety System Unavailability, Heat Removal System (RCIC)

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

Notes

Safety System Unavailability, Heat Removal System (RCIC)	3Q/02	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04
Train 1								
Planned unavailable hours	2.83	127.80	14.21	57.48	7.98	2.52	55.16	1.48
Unplanned unavailable hours	0	0	0	0	0	2.92	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	2208.00	2094.90	2086.60	1307.50	2010.50	2209.00	2184.00	2183.00
Indicator value	**1.5%**	**2.0%**	**1.9%**	**2.1%**	**2.1%**	**2.1%**	**2.3%**	**2.0%**

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	19.08	3.13	0.88	0	13.76	0.62	1.42	0.72
Unplanned unavailable hours	0	0	0	0.65	0	0.15	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2184.00	2183.00
Train 2								
Planned unavailable hours	1.20	1.50	9.05	0	8.85	1.70	1.10	2.27
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2184.00	2183.00
Indicator value	**0.7%**	**0.7%**	**0.6%**	**0.5%**	**0.3%**	**0.3%**	**0.3%**	**0.3%**

Licensee Comments: none

Safety System Functional Failures (BWR)

Thresholds: White > 6.0

Notes

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

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	0.000208	0.000184	0.000196	0.000173	0.000211	0.000169	0.000144	0.000178	0.000168	N/A	0.000080	0.000084
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**N/A**	**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	0.000123	0.000124	0.000135	0.000092	0.000129	0.000094	0.000089	0.000094	0.000114	0.000080	0.000076	0.000125
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0.1**	**0.1**	**0.1**	**0**	**0.1**	**0**	**0**	**0**	**0.1**	**0**	**0**	**0.1**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	7/02	8/02	9/02	10/02	11/02	12/02	1/03	2/03	3/03	4/03	5/03	6/03
Maximum leakage	1.630	1.620	1.630	1.630	1.620	1.620	1.630	1.630	1.630	N/A	1.830	1.750
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.5**	**6.5**	**6.5**	**6.5**	**6.5**	**6.5**	**6.5**	**6.5**	**6.5**	**N/A**	**7.3**	**7.0**

Reactor Coolant System Leakage	7/03	8/03	9/03	10/03	11/03	12/03	1/04	2/04	3/04	4/04	5/04	6/04
Maximum leakage	1.640	1.770	1.650	1.620	1.620	1.610	1.610	1.600	1.610	1.600	1.610	1.610
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.6**	**7.1**	**6.6**	**6.5**	**6.5**	**6.4**	**6.4**	**6.4**	**6.4**	**6.4**	**6.4**	**6.4**

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	145.0	10.0	64.0	28.0	149.0	0	54.0	52.0
Total opportunities	154.0	10.0	65.0	28.0	156.0	0	57.0	53.0
Indicator value	**93.3%**	**93.8%**	**94.7%**	**95.2%**	**95.9%**	**95.9%**	**96.2%**	**96.0%**

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	61.0	60.0	60.0	60.0	63.0	61.0	78.0	76.0
Total Key personnel	62.0	61.0	60.0	60.0	64.0	65.0	78.0	77.0
Indicator value	**98.4%**	**98.4%**	**100.0%**	**100.0%**	**98.4%**	**93.8%**	**100.0%**	**98.7%**

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	198	181	185	186	186	186	181	185
Total sirens-tests	206	181	186	186	186	186	186	186
Indicator value	**97.1%**	**97.2%**	**97.6%**	**98.8%**	**99.9%**	**99.9%**	**99.3%**	**99.2%**

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.

Fermi 2

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	2.0	0	0	1.0	0	0	0	1.0
Critical hours	2094.9	2086.6	1307.5	2010.5	2209.0	2184.0	2183.0	1979.5
Indicator value	**1.6**	**1.6**	**1.8**	**2.8**	**0.9**	**0.9**	**0.8**	**0.8**

Licensee Comments:

3Q/04: Turbine trip and automatic reactor scram on 9/3/2004 at 2345 due to failure of main generator excitation automatic voltage regulator (AVR) system. Faulty AVR processor replaced.

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	0	1.0	0	0	0	1.0	0	1.0
Critical hours	2094.9	2086.6	1307.5	2010.5	2209.0	2184.0	2183.0	1979.5
Indicator value	**4.0**	**2.4**	**0.9**	**0.9**	**0.9**	**0.9**	**0.8**	**1.6**

Licensee Comments:

3Q/04: Technical Specification required shutdown initiated 8/8/2004 at 2201 due to Emergency Diesel Generator 12 scavenging air blower failure. Shutdown was by normal plant procedures. Less than 72 hours elapsed from initiating condition to start of downpower.

Safety System Unavailability, Emergency AC Power, >2EDG

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

Notes

Safety System Unavailability, Emergency AC Power, >2EDG	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Train 1								
Planned unavailable hours	7.04	38.03	8.15	28.15	9.52	10.00	6.70	49.67
Unplanned unavailable hours	0	29.82	0	0	0	0	1.27	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	2208.00	2209.00	2184.00	2183.00	2208.00
Train 2								
Planned unavailable hours	16.53	17.09	2.13	0	11.47	71.86	4.76	38.87
Unplanned unavailable hours	26.40	0	0	0	0	0	0	86.65
Fault exposure hours	0	0	694.00	2208.00	928.93	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
Train 3								
Planned unavailable hours	6.95	26.45	3.55	6.09	17.49	8.03	4.84	43.10
Unplanned unavailable hours	0	0	2.03	0	0	0	0	7.12
Fault exposure hours	0	0	0	0	0	0	0	2.72
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
Train 4								
Planned unavailable hours	7.74	24.71	8.61	8.17	5.63	13.07	5.91	35.88
Unplanned unavailable hours	0	0	0	0	0	0	0	7.13
Fault exposure hours	0	0	0	0	0	0	0	2.72
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	**1.4%**	**1.3%**	**1.9%**	**4.0%**	**4.8%**	**4.7%**	**4.7%**	**4.7%**

Licensee Comments:

3Q/04: 2004-08: For Emergency Diesel Generator #12's scavenging air blower failure, 385.3 T/2 fault exposure hours were assessed between the last successful surveillance test and the time of EDG shutdown after the blower failure on 8/6/04 @ 1311. 2004-09: For the failure of the Digital Load Sequencer reset pushbutton switch, fault exposure hours were assessed against Trains 3 and 4 from 9/17/04 @ 1121 to 9/17/04 @ 1404. Fault initiation time was identified from an alarm recorder report.

Safety System Unavailability, High Pressure Injection System (HPCI)

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

Notes

Safety System Unavailability, High Pressure Injection System (HPCI)	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Train 1								
Planned unavailable hours	2.20	26.08	0	66.32	3.18	1.37	73.04	1.92
Unplanned unavailable hours	0	0	0	3.30	0	0	20.77	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2094.90	2086.60	1307.50	2010.50	2209.00	2184.00	2183.00	1979.47
Indicator value	**1.9%**	**1.5%**	**1.4%**	**1.7%**	**1.7%**	**1.3%**	**1.5%**	**1.5%**

Licensee Comments: none

Safety System Unavailability, Heat Removal System (RCIC)

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

Notes

Safety System Unavailability, Heat Removal System (RCIC)	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Train 1								
Planned unavailable hours	127.80	14.21	57.48	7.98	2.52	55.16	1.48	25.41
Unplanned unavailable hours	0	0	0	0	2.92	0	0	12.77
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2094.90	2086.60	1307.50	2010.50	2209.00	2184.00	2183.00	1979.47
Indicator value	**2.0%**	**1.9%**	**2.1%**	**2.1%**	**2.1%**	**2.3%**	**2.0%**	**2.2%**

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	3.13	0.88	0	13.76	0.62	1.42	0.72	73.77
Unplanned unavailable hours	0	0	0.65	0	0.15	0	0	14.27
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2160.00	2183.00	2208.00	2209.00	2184.00	2183.00	2208.00
Train 2								
Planned unavailable hours	1.50	9.05	0	8.85	1.70	1.10	2.27	22.22
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2160.00	2183.00	2208.00	2209.00	2184.00	2183.00	2208.00
Indicator value	**0.7%**	**0.6%**	**0.5%**	**0.3%**	**0.3%**	**0.3%**	**0.3%**	**0.4%**

Licensee Comments: none

Safety System Functional Failures (BWR)

Thresholds: White > 6.0

Notes

Safety System Functional Failures (BWR)	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Safety System Functional Failures	0	0	0	1	0	0	0	0
Indicator value	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**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	0.000173	0.000211	0.000169	0.000144	0.000178	0.000168	N/A	0.000080	0.000084	0.000123	0.000124	0.000135
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**0.1**	**N/A**	**0**	**0**	**0.1**	**0.1**	**0.1**

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	0.000092	0.000129	0.000094	0.000089	0.000094	0.000114	0.000080	0.000076	0.000125	0.000107	0.000071	0.000120
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0.1**	**0**	**0**	**0**	**0.1**	**0**	**0**	**0.1**	**0.1**	**0**	**0.1**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	10/02	11/02	12/02	1/03	2/03	3/03	4/03	5/03	6/03	7/03	8/03	9/03
Maximum leakage	1.630	1.620	1.620	1.630	1.630	1.630	N/A	1.830	1.750	1.640	1.770	1.650
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.5**	**6.5**	**6.5**	**6.5**	**6.5**	**6.5**	**N/A**	**7.3**	**7.0**	**6.6**	**7.1**	**6.6**

Reactor Coolant System Leakage	10/03	11/03	12/03	1/04	2/04	3/04	4/04	5/04	6/04	7/04	8/04	9/04
Maximum leakage	1.620	1.620	1.610	1.610	1.600	1.610	1.600	1.610	1.610	1.620	1.610	1.620
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.5**	**6.5**	**6.4**	**6.4**	**6.4**	**6.4**	**6.4**	**6.4**	**6.4**	**6.5**	**6.4**	**6.5**

Licensee Comments: none

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	10.0	64.0	28.0	149.0	0	54.0	52.0	15.0
Total opportunities	10.0	65.0	28.0	156.0	0	57.0	53.0	16.0
Indicator value	**93.8%**	**94.7%**	**95.2%**	**95.9%**	**95.9%**	**96.2%**	**96.0%**	**96.6%**

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	60.0	60.0	60.0	63.0	61.0	78.0	76.0	82.0
Total Key personnel	61.0	60.0	60.0	64.0	65.0	78.0	77.0	82.0
Indicator value	**98.4%**	**100.0%**	**100.0%**	**98.4%**	**93.8%**	**100.0%**	**98.7%**	**100.0%**

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	181	185	186	186	186	181	185	184
Total sirens-tests	181	186	186	186	186	186	186	186
Indicator value	**97.2%**	**97.6%**	**98.8%**	**99.9%**	**99.9%**	**99.3%**	**99.2%**	**98.9%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
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/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

Fermi 2

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	1.0	0	0	0	1.0	1.0
Critical hours	2086.6	1307.5	2010.5	2209.0	2184.0	2183.0	1979.5	1558.7
Indicator value	**1.6**	**1.8**	**2.8**	**0.9**	**0.9**	**0.8**	**0.8**	**1.8**

Licensee Comments:

4Q/04: Automatic Turbine Trip and Reactor Scram 12/5/2004 10:48 due to Generator Automatic Voltage Regulator Failure. Investigation revealed AVR electronic modules communication errors caused trip. Modules replaced, software changes implemented.

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	1.0	0	0	0	1.0	0	1.0	1.0
Critical hours	2086.6	1307.5	2010.5	2209.0	2184.0	2183.0	1979.5	1558.7
Indicator value	**2.4**	**0.9**	**0.9**	**0.9**	**0.9**	**0.8**	**1.6**	**2.7**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power, >2EDG

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

Notes

Safety System Unavailability, Emergency AC Power, >2EDG	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
Train 1								
Planned unavailable hours	38.03	8.15	28.15	9.52	10.00	6.70	49.67	19.39
Unplanned unavailable hours	29.82	0	0	0	0	1.27	0	0
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	2208.00
Train 2								
Planned unavailable hours	17.09	2.13	0	11.47	71.86	4.76	38.87	10.91
Unplanned unavailable hours	0	0	0	0	0	0	86.65	0
Fault exposure hours	0	694.00	2208.00	928.93	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	2208.00
Train 3								
Planned unavailable hours	26.45	3.55	6.09	17.49	8.03	4.84	43.10	27.72
Unplanned unavailable hours	0	2.03	0	0	0	0	7.12	0
Fault exposure hours	0	0	0	0	0	0	2.72	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	2208.00
Train 4								
Planned unavailable hours	24.71	8.61	8.17	5.63	13.07	5.91	35.88	37.28
Unplanned unavailable hours	0	0	0	0	0	0	7.13	0
Fault exposure hours	0	0	0	0	0	0	2.72	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	2208.00
Indicator value	**1.3%**	**1.9%**	**4.0%**	**4.8%**	**4.7%**	**4.7%**	**4.7%**	**4.8%**

Licensee Comments: none

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

Notes

Safety System Unavailability, High Pressure Injection System (HPCI)	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
Train 1								
Planned unavailable hours	26.08	0	66.32	3.18	1.37	73.04	1.92	14.84
Unplanned unavailable hours	0	0	3.30	0	0	20.77	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2086.60	1307.50	2010.50	2209.00	2184.00	2183.00	1979.47	1558.65
Indicator value	**1.5%**	**1.4%**	**1.7%**	**1.7%**	**1.3%**	**1.5%**	**1.5%**	**1.4%**

Licensee Comments: none

Safety System Unavailability, Heat Removal System (RCIC)

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

Notes

Safety System Unavailability, Heat Removal System (RCIC)	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
Train 1								
Planned unavailable hours	14.21	57.48	7.98	2.52	55.16	1.48	25.41	9.02
Unplanned unavailable hours	0	0	0	2.92	0	0	12.77	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2086.60	1307.50	2010.50	2209.00	2184.00	2183.00	1979.47	1558.65
Indicator value	**1.9%**	**2.1%**	**2.1%**	**2.1%**	**2.3%**	**2.0%**	**2.2%**	**1.5%**

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	0.88	0	13.76	0.62	1.42	0.72	73.77	21.67
Unplanned unavailable hours	0	0.65	0	0.15	0	0	14.27	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	2160.00	2183.00	2208.00	2209.00	2184.00	2183.00	2208.00	2209.00
Train 2								
Planned unavailable hours	9.05	0	8.85	1.70	1.10	2.27	22.22	14.68
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2184.00	2183.00	2208.00	2209.00
Indicator value	**0.6%**	**0.5%**	**0.3%**	**0.3%**	**0.3%**	**0.3%**	**0.4%**	**0.5%**

Licensee Comments: none

Safety System Functional Failures (BWR)

Thresholds: White > 6.0

Notes

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

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**1/03**	**2/03**	**3/03**	**4/03**	**5/03**	**6/03**	**7/03**	**8/03**	**9/03**	**10/03**	**11/03**	**12/03**
Maximum activity	0.000144	0.000178	0.000168	N/A	0.000080	0.000084	0.000123	0.000124	0.000135	0.000092	0.000129	0.000094
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0.1**	**0.1**	**0.1**	**N/A**	**0**	**0**	**0.1**	**0.1**	**0.1**	**0**	**0.1**	**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	0.000089	0.000094	0.000114	0.000080	0.000076	0.000125	0.000107	0.000071	0.000120	0.000124	N/A	0.000058
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0.1**	**0**	**0**	**0.1**	**0.1**	**0**	**0.1**	**0.1**	**N/A**	**0**

Licensee Comments:

12/04: No valid fuel performance / barrier integrity data is available for November 2004 due to plant shutdown for Refuel Outage 10.

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	1/03	2/03	3/03	4/03	5/03	6/03	7/03	8/03	9/03	10/03	11/03	12/03
Maximum leakage	1.630	1.630	1.630	N/A	1.830	1.750	1.640	1.770	1.650	1.620	1.620	1.610
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.5**	**6.5**	**6.5**	**N/A**	**7.3**	**7.0**	**6.6**	**7.1**	**6.6**	**6.5**	**6.5**	**6.4**

Reactor Coolant System Leakage	1/04	2/04	3/04	4/04	5/04	6/04	7/04	8/04	9/04	10/04	11/04	12/04
Maximum leakage	1.610	1.600	1.610	1.600	1.610	1.610	1.620	1.610	1.620	1.620	1.610	1.640
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.4**	**6.4**	**6.4**	**6.4**	**6.4**	**6.4**	**6.5**	**6.4**	**6.5**	**6.5**	**6.4**	**6.6**

Licensee Comments: none

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	64.0	28.0	149.0	0	54.0	52.0	15.0	7.0
Total opportunities	65.0	28.0	156.0	0	57.0	53.0	16.0	8.0
Indicator value	**94.7%**	**95.2%**	**95.9%**	**95.9%**	**96.2%**	**96.0%**	**96.6%**	**96.3%**

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	60.0	60.0	63.0	61.0	78.0	76.0	82.0	91.0
Total Key personnel	60.0	60.0	64.0	65.0	78.0	77.0	82.0	91.0
Indicator value	**100.0%**	**100.0%**	**98.4%**	**93.8%**	**100.0%**	**98.7%**	**100.0%**	**100.0%**

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	185	186	186	186	181	185	184	186
Total sirens-tests	186	186	186	186	186	186	186	186
Indicator value	**97.6%**	**98.8%**	**99.9%**	**99.9%**	**99.3%**	**99.2%**	**98.9%**	**98.9%**

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

Fermi 2

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	1.0	0	0	0	1.0	1.0	1.0
Critical hours	1307.5	2010.5	2209.0	2184.0	2183.0	1979.5	1558.7	1884.3
Indicator value	**1.8**	**2.8**	**0.9**	**0.9**	**0.8**	**0.8**	**1.8**	**2.8**

Licensee Comments:

1Q/05: Plant Shutdown and Emergency Plan activation on 1/24/2005 caused by increased unidentified drywell leakage rate. Source was Emergency Closed Cooling Water (Drywell Cooling Unit #4) and the leak was isolated. Drywell Coolers were reworked, followed by normal plant startup on 2/6/2005.

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	0	1.0	0	1.0	1.0	0
Critical hours	1307.5	2010.5	2209.0	2184.0	2183.0	1979.5	1558.7	1884.3
Indicator value	**0.9**	**0.9**	**0.9**	**0.9**	**0.8**	**1.6**	**2.7**	**1.8**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power, >2EDG

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

Notes

Safety System Unavailability, Emergency AC Power, >2EDG	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
Train 1								
Planned unavailable hours	8.15	44.88	9.52	10.00	6.70	72.70	19.39	3.18
Unplanned unavailable hours	0	0	0	0	1.27	0	0	0
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	2208.00	2160.00
Train 2								
Planned unavailable hours	2.13	0	11.47	71.86	4.76	61.90	10.91	3.05
Unplanned unavailable hours	0	0	0	0	0	86.65	0	0
Fault exposure hours	694.00	2208.00	928.93	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	2208.00	2160.00
Train 3								
Planned unavailable hours	3.55	6.09	24.64	8.03	4.84	60.78	27.72	5.37
Unplanned unavailable hours	2.03	0	0	0	0	7.12	0	0
Fault exposure hours	0	0	0	0	0	2.72	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	2208.00	2160.00
Train 4								
Planned unavailable hours	8.61	8.17	12.78	13.07	5.91	53.56	37.28	10.93
Unplanned unavailable hours	0	0	0	0	0	7.13	0	9.08
Fault exposure hours	0	0	0	0	0	2.72	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	2208.00	2160.00
Indicator value	**2.0%**	**4.1%**	**4.9%**	**4.8%**	**4.8%**	**4.9%**	**5.0%**	**5.0%**

Licensee Comments:

1Q/05: 1. Licensee actions for resetting for November 2003 EDG 12 lube oil fitting fault exposure hours are complete, NRC to close issue in next inspection report (scheduled for early May). Licensee will submit mid-quarter fault hour reset data after inspection report is issued. 2. Changes to previously submitted data (based on licensee review of support systems unavailbility) included with 1Q 2005 submittal. There were no changes in indicator status as a result of the revised data.

3Q/04: 2004-08: For Emergency Diesel Generator #12's scavenging air blower failure, 385.3 T/2 fault exposure hours were assessed between the last successful surveillance test and the time of EDG shutdown after the blower failure on 8/6/04 @ 1311. 2004-09: For the failure of the Digital Load Sequencer reset pushbutton switch, fault exposure hours were assessed against Trains 3 and 4 from 9/17/04 @ 1121 to 9/17/04 @ 1404. Fault initiation time was identified from an alarm recorder report.

4Q/03: Train 2 {EDG 12} fault exposure hours incurred due to lube oil system pressure switch fitting found not fully made up, impacting seismic qualification. Change report submitted for June through September 2003 data.

3Q/03: EDG 12{Train 2} 237.5 hours of T/2 fault exposure hours due to failed signal generator.

Safety System Unavailability, High Pressure Injection System (HPCI)

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

Notes

Safety System Unavailability, High Pressure Injection System (HPCI)	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
Train 1								
Planned unavailable hours	0	66.32	3.18	1.37	73.04	1.92	14.84	0.90
Unplanned unavailable hours	0	3.30	0	0	20.77	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1307.50	2010.50	2209.00	2184.00	2183.00	1979.47	1558.65	1978.99
Indicator value	**1.4%**	**1.7%**	**1.7%**	**1.3%**	**1.5%**	**1.5%**	**1.4%**	**1.0%**

Licensee Comments: none

Safety System Unavailability, Heat Removal System (RCIC)

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

Notes

Safety System Unavailability, Heat Removal System (RCIC)	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
Train 1								
Planned unavailable hours	57.48	7.98	2.52	55.16	1.48	0.71	3.02	83.77
Unplanned unavailable hours	0	0	2.92	0	0	0	0	7.19
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1307.50	2010.50	2209.00	2184.00	2183.00	1979.47	1558.65	1978.99
Indicator value	**2.1%**	**2.1%**	**2.1%**	**2.3%**	**2.0%**	**2.0%**	**1.3%**	**1.5%**

Licensee Comments:

1Q/05: Changes to previously submitted data (based on licensee review of support systems unavailbility) included with 1Q 2005 submittal. There were no changes in indicator status as a result of the revised data.

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	5.25	39.73	0.62	1.42	0.72	79.35	15.67	0.49
Unplanned unavailable hours	0.65	0	0.15	0	0	1.50	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00
Train 2								
Planned unavailable hours	0	8.85	18.92	1.10	13.05	23.71	9.60	0
Unplanned unavailable hours	0	0	0	0	0	0	0	13.42
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00
Indicator value	**0.6%**	**0.5%**	**0.5%**	**0.5%**	**0.5%**	**0.6%**	**0.7%**	**0.7%**

Licensee Comments:

1Q/05: Changes to previously submitted data (based on licensee review of support systems unavailbility) included with 1Q 2005 submittal. There were no changes in indicator status as a result of the revised data.

2Q/03: April 2003 Train 1 RHR Data amended in Q1 2004 submittal as the result of data review. 39 minutes of unplanned unavailibility added, no impact on Indicator status {remained Green}

Safety System Functional Failures (BWR)

Thresholds: White > 6.0

Notes

Safety System Functional Failures (BWR)	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05
Safety System Functional Failures	0	1	0	0	0	0	0	0
Indicator value	**1**	**1**	**1**	**1**	**1**	**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	N/A	0.000080	0.000084	0.000123	0.000124	0.000135	0.000092	0.000129	0.000094	0.000089	0.000094	0.000114
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**N/A**	**0**	**0**	**0.1**	**0.1**	**0.1**	**0**	**0.1**	**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	0.000080	0.000076	0.000125	0.000107	0.000071	0.000120	0.000124	N/A	0.000058	0.000099	0.000062	0.000068
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0.1**	**0.1**	**0**	**0.1**	**0.1**	**N/A**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**4/03**	**5/03**	**6/03**	**7/03**	**8/03**	**9/03**	**10/03**	**11/03**	**12/03**	**1/04**	**2/04**	**3/04**
Maximum leakage	N/A	1.830	1.750	1.640	1.770	1.650	1.620	1.620	1.610	1.610	1.600	1.610
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**N/A**	**7.3**	**7.0**	**6.6**	**7.1**	**6.6**	**6.5**	**6.5**	**6.4**	**6.4**	**6.4**	**6.4**

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	1.600	1.610	1.610	1.620	1.610	1.620	1.620	1.610	1.640	2.940	1.640	1.620
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.4**	**6.4**	**6.4**	**6.5**	**6.4**	**6.5**	**6.5**	**6.4**	**6.6**	**11.8**	**6.6**	**6.5**

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	28.0	149.0	0	54.0	52.0	15.0	7.0	34.0
Total opportunities	28.0	156.0	0	57.0	53.0	16.0	8.0	36.0
Indicator value	**95.2%**	**95.9%**	**95.9%**	**96.2%**	**96.0%**	**96.6%**	**96.3%**	**95.8%**

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	60.0	63.0	61.0	78.0	76.0	82.0	91.0	103.0
Total Key personnel	60.0	64.0	65.0	78.0	77.0	82.0	91.0	103.0
Indicator value	**100.0%**	**98.4%**	**93.8%**	**100.0%**	**98.7%**	**100.0%**	**100.0%**	**100.0%**

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	186	186	186	181	185	184	186	186
Total sirens-tests	186	186	186	186	186	186	186	186
Indicator value	**98.8%**	**99.9%**	**99.9%**	**99.3%**	**99.2%**	**98.9%**	**98.9%**	**99.6%**

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

Licensee Comments:

1Q/05: Potential High Radiation Area occurrence in 03/2005 - NRC determination review still in progress.

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

Fermi 2

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	1.0	0	0	0	1.0	1.0	1.0	0
Critical hours	2010.5	2209.0	2184.0	2183.0	1979.5	1558.7	1884.3	2065.8
Indicator value	**2.8**	**0.9**	**0.9**	**0.8**	**0.8**	**1.8**	**2.8**	**2.8**

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

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
Unplanned power changes	0	0	1.0	0	1.0	1.0	0	1.0
Critical hours	2010.5	2209.0	2184.0	2183.0	1979.5	1558.7	1884.3	2065.8
Indicator value	**0.9**	**0.9**	**0.9**	**0.8**	**1.6**	**2.7**	**1.8**	**2.8**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power, >2EDG

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

Notes

Safety System Unavailability, Emergency AC Power, >2EDG	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
Train 1								
Planned unavailable hours	44.88	9.52	10.00	6.70	72.70	19.39	3.18	8.60
Unplanned unavailable hours	0	0	0	1.27	0	0	0	0
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	2208.00	2160.00	2183.00
Train 2								
Planned unavailable hours	0	11.47	71.86	4.76	61.90	10.91	3.05	14.86
Unplanned unavailable hours	0	0	0	0	86.65	0	0	0
Fault exposure hours	2208.00	928.93	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	3750.04
Required hours	2208.00	2209.00	2184.00	2183.00	2208.00	2208.00	2160.00	2183.00
Train 3								
Planned unavailable hours	6.09	24.64	8.03	4.84	60.78	27.72	5.37	7.42
Unplanned unavailable hours	0	0	0	0	7.12	0	0	0
Fault exposure hours	0	0	0	0	2.72	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	2208.00	2160.00	2183.00
Train 4								
Planned unavailable hours	8.17	12.78	13.07	5.91	53.56	37.28	10.93	10.71
Unplanned unavailable hours	0	0	0	0	7.13	0	9.08	0
Fault exposure hours	0	0	0	0	2.72	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	2208.00	2160.00	2183.00
Indicator value	**4.1%**	**4.9%**	**4.8%**	**4.8%**	**4.9%**	**5.0%**	**5.0%**	**1.2%**

Licensee Comments: none

Effective Reset Comments:

2Q/05: 5/20/5 - Reset fault hours and repopulated with the actual unavailable hours.; 5/20/5 - Reset fault hours and repopulated with the actual unavailable hours. T/2 hours equalling 197.2 hours is not included in calculation per NEI 99-02 guidance, this instance was due to a failed signal generator.; 5/20/5 - Reset fault hours and repopulated with the actual unavailable hours. T/2 hours equalling 40.53 hours is not included in calculation per NEI 99-02 guidance, this instance was due to a failed signal generator.

2Q/05: 5/20/5 - Reset fault hours and repopulated with the actual unavailable hours.; 5/20/5 - Reset fault hours and repopulated with the actual unavailable hours. T/2 hours equalling 197.2 hours is not included in calculation per NEI 99-02 guidance, this instance was due to a failed signal generator.; 5/20/5 - Reset fault hours and repopulated with the actual unavailable hours. T/2 hours equalling 40.53 hours is not included in calculation per NEI 99-02 guidance, this instance was due to a failed signal generator.

2Q/05: 5/20/5 - Reset fault hours and repopulated with the actual unavailable hours.; 5/20/5 - Reset fault hours and repopulated with the actual unavailable hours.

2Q/05: 5/20/5 - Reset fault hours and repopulated with the actual unavailable hours.; 5/20/5 - Reset fault hours and repopulated with the actual unavailable hours.

2Q/05: 5/20/5 - Reset fault hours and repopulated with the actual unavailable hours. 93.717 hours are not reported due to being considered Planned Overhaul.

2Q/05: 5/20/5 - Reset fault hours and repopulated with the actual unavailable hours.; 5/20/5 - Reset fault hours and repopulated with the actual unavailable hours. T/2 hours equalling 197.2 hours is not included in calculation per NEI 99-02 guidance, this instance was due to a failed signal generator.; 5/20/5 - Reset fault hours and repopulated with the actual unavailable hours. T/2 hours equalling 40.53 hours is not included in calculation per NEI 99-02 guidance, this instance was due to a failed signal generator.

2Q/05: 5/20/5 - Reset fault hours and repopulated with the actual unavailable hours.; 5/20/5 - Reset fault hours and repopulated with the actual unavailable hours.

2Q/05: 5/20/5 - Reset fault hours and repopulated with the actual unavailable hours. 93.717 hours are not reported due to being considered Planned Overhaul.

2Q/05: 5/20/5 - Reset fault hours and repopulated with the actual unavailable hours. 93.717 hours are not reported due to being considered Planned Overhaul.

Safety System Unavailability, High Pressure Injection System (HPCI)

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

Notes

Safety System Unavailability, High Pressure Injection System (HPCI)	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
Train 1								
Planned unavailable hours	66.32	3.18	1.37	73.04	1.92	14.84	2.25	91.30
Unplanned unavailable hours	3.30	0	0	20.77	0	0	0	27.08
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2010.50	2209.00	2184.00	2183.00	1979.47	1558.65	1978.99	2065.78
Indicator value	**1.7%**	**1.7%**	**1.3%**	**1.5%**	**1.5%**	**1.4%**	**1.0%**	**1.4%**

Licensee Comments: none

Safety System Unavailability, Heat Removal System (RCIC)

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

Notes

Safety System Unavailability, Heat Removal System (RCIC)	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
Train 1								
Planned unavailable hours	7.98	2.52	55.16	1.48	0.71	3.02	83.77	3.30
Unplanned unavailable hours	0	2.92	0	0	0	0	7.19	15.90
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2010.50	2209.00	2184.00	2183.00	1979.47	1558.65	1978.99	2065.78
Indicator value	**2.1%**	**2.1%**	**2.3%**	**2.0%**	**2.0%**	**1.3%**	**1.5%**	**1.6%**

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/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
Train 1								
Planned unavailable hours	39.73	0.62	1.42	0.72	79.35	15.67	0.49	0
Unplanned unavailable hours	0	0.15	0	0	1.50	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00
Train 2								
Planned unavailable hours	8.85	18.92	1.10	13.05	23.71	9.60	0	13.80
Unplanned unavailable hours	0	0	0	0	0	0	13.42	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2208.00	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00
Indicator value	**0.5%**	**0.5%**	**0.5%**	**0.5%**	**0.6%**	**0.7%**	**0.7%**	**0.6%**

Licensee Comments: none

Safety System Functional Failures (BWR)

Thresholds: White > 6.0

Notes

Safety System Functional Failures (BWR)	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
Safety System Functional Failures	1	0	0	0	0	0	0	0
Indicator value	**1**	**1**	**1**	**1**	**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	0.000123	0.000124	0.000135	0.000092	0.000129	0.000094	0.000089	0.000094	0.000114	0.000080	0.000076	0.000125
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0.1**	**0.1**	**0.1**	**0**	**0.1**	**0**	**0**	**0**	**0.1**	**0**	**0**	**0.1**

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	0.000107	0.000071	0.000120	0.000124	N/A	0.000058	0.000099	0.000062	0.000068	0.000091	0.000078	0.000072
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0.1**	**0**	**0.1**	**0.1**	**N/A**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	7/03	8/03	9/03	10/03	11/03	12/03	1/04	2/04	3/04	4/04	5/04	6/04
Maximum leakage	1.640	1.770	1.650	1.620	1.620	1.610	1.610	1.600	1.610	1.600	1.610	1.610
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.6**	**7.1**	**6.6**	**6.5**	**6.5**	**6.4**	**6.4**	**6.4**	**6.4**	**6.4**	**6.4**	**6.4**

Reactor Coolant System Leakage	7/04	8/04	9/04	10/04	11/04	12/04	1/05	2/05	3/05	4/05	5/05	6/05
Maximum leakage	1.620	1.610	1.620	1.620	1.610	1.640	2.940	1.640	1.620	1.620	1.620	1.620
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.5**	**6.4**	**6.5**	**6.5**	**6.4**	**6.6**	**11.8**	**6.6**	**6.5**	**6.5**	**6.5**	**6.5**

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	149.0	0	54.0	52.0	15.0	7.0	34.0	28.0
Total opportunities	156.0	0	57.0	53.0	16.0	8.0	36.0	28.0
Indicator value	**95.9%**	**95.9%**	**96.2%**	**96.0%**	**96.6%**	**96.3%**	**95.8%**	**95.8%**

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	63.0	61.0	78.0	76.0	82.0	91.0	103.0	105.0
Total Key personnel	64.0	65.0	78.0	77.0	82.0	91.0	103.0	105.0
Indicator value	**98.4%**	**93.8%**	**100.0%**	**98.7%**	**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	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05
Successful siren-tests	186	186	181	185	184	186	186	186
Total sirens-tests	186	186	186	186	186	186	186	186
Indicator value	**99.9%**	**99.9%**	**99.3%**	**99.2%**	**98.9%**	**98.9%**	**99.6%**	**99.7%**

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

Fermi 2

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	1.0	1.0	1.0	0	0
Critical hours	2209.0	2184.0	2183.0	1979.5	1558.7	1884.3	2065.8	1873.7
Indicator value	**0.9**	**0.9**	**0.8**	**0.8**	**1.8**	**2.8**	**2.8**	**1.9**

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/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
Scrams	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
Unplanned power changes	0	1.0	0	1.0	1.0	0	1.0	0
Critical hours	2209.0	2184.0	2183.0	1979.5	1558.7	1884.3	2065.8	1873.7
Indicator value	**0.9**	**0.9**	**0.8**	**1.6**	**2.7**	**1.8**	**2.8**	**1.9**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power, >2EDG

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

Notes

Safety System Unavailability, Emergency AC Power, >2EDG	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
Train 1								
Planned unavailable hours	9.52	10.00	6.70	72.70	19.39	3.18	8.60	26.05
Unplanned unavailable hours	0	0	1.27	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	2208.00	2160.00	2183.00	2208.00
Train 2								
Planned unavailable hours	11.47	71.86	4.76	61.90	10.91	3.05	14.86	27.37
Unplanned unavailable hours	0	0	0	86.65	0	0	0	0
Fault exposure hours	928.93	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	3750.04	0
Required hours	2209.00	2184.00	2183.00	2208.00	2208.00	2160.00	2183.00	2208.00
Train 3								
Planned unavailable hours	24.64	8.03	4.84	60.78	27.72	5.37	7.42	31.57
Unplanned unavailable hours	0	0	0	7.12	0	0	0	0
Fault exposure hours	0	0	0	2.72	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	2208.00	2160.00	2183.00	2208.00
Train 4								
Planned unavailable hours	12.78	13.07	5.91	53.56	37.28	10.93	10.71	36.60
Unplanned unavailable hours	0	0	0	7.13	0	9.08	0	14.10
Fault exposure hours	0	0	0	2.72	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	2208.00	2160.00	2183.00	2208.00
Indicator value	**4.9%**	**4.8%**	**4.8%**	**4.9%**	**5.0%**	**5.0%**	**1.2%**	**1.1%**

Licensee Comments: none

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

Notes

Safety System Unavailability, High Pressure Injection System (HPCI)	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
Train 1								
Planned unavailable hours	3.18	1.37	73.04	1.92	14.84	2.25	91.30	0.50
Unplanned unavailable hours	0	0	20.77	0	0	0	27.08	0
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	1979.47	1558.65	1978.99	2065.78	1873.68
Indicator value	**1.7%**	**1.3%**	**1.5%**	**1.5%**	**1.4%**	**1.0%**	**1.4%**	**1.4%**

Licensee Comments: none

Safety System Unavailability, Heat Removal System (RCIC)

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

Notes

Safety System Unavailability, Heat Removal System (RCIC)	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
Train 1								
Planned unavailable hours	2.52	55.16	1.48	0.71	3.02	83.77	3.30	1.35
Unplanned unavailable hours	2.92	0	0	0	0	7.19	15.90	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	2209.00	2184.00	2183.00	1979.47	1558.65	1978.99	2065.78	1873.68
Indicator value	**2.1%**	**2.3%**	**2.0%**	**2.0%**	**1.3%**	**1.5%**	**1.6%**	**1.6%**

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/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
Train 1								
Planned unavailable hours	0.62	1.42	0.72	79.35	15.67	0.49	0	32.10
Unplanned unavailable hours	0.15	0	0	1.50	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
Train 2								
Planned unavailable hours	18.92	1.10	13.05	23.71	9.60	0	13.80	25.34
Unplanned unavailable hours	0	0	0	0	0	13.42	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
Indicator value	**0.5%**	**0.5%**	**0.5%**	**0.6%**	**0.7%**	**0.7%**	**0.6%**	**0.6%**

Licensee Comments: none

Safety System Functional Failures (BWR)

Thresholds: White > 6.0

Notes

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

Licensee Comments:

3Q/05: LER 05-004, "Both Residual Heat Removal Low Pressure Coolant Injection Divisions Inoperable Due to Valve Failure," dated August 10, 2005.

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	0.000092	0.000129	0.000094	0.000089	0.000094	0.000114	0.000080	0.000076	0.000125	0.000107	0.000071	0.000120
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0.1**	**0**	**0**	**0**	**0.1**	**0**	**0**	**0.1**	**0.1**	**0**	**0.1**

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	0.000124	N/A	0.000058	0.000099	0.000062	0.000068	0.000091	0.000078	0.000072	0.000079	0.000074	0.000063
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0.1**	**N/A**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**10/03**	**11/03**	**12/03**	**1/04**	**2/04**	**3/04**	**4/04**	**5/04**	**6/04**	**7/04**	**8/04**	**9/04**
Maximum leakage	1.620	1.620	1.610	1.610	1.600	1.610	1.600	1.610	1.610	1.620	1.610	1.620
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.5**	**6.5**	**6.4**	**6.4**	**6.4**	**6.4**	**6.4**	**6.4**	**6.4**	**6.5**	**6.4**	**6.5**
Reactor Coolant System Leakage	**10/04**	**11/04**	**12/04**	**1/05**	**2/05**	**3/05**	**4/05**	**5/05**	**6/05**	**7/05**	**8/05**	**9/05**
Maximum leakage	1.620	1.610	1.640	2.940	1.640	1.620	1.620	1.620	1.620	1.630	1.620	1.610
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.5**	**6.4**	**6.6**	**11.8**	**6.6**	**6.5**	**6.5**	**6.5**	**6.5**	**6.5**	**6.5**	**6.4**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
Successful opportunities	0	54.0	52.0	15.0	7.0	34.0	28.0	57.0
Total opportunities	0	57.0	53.0	16.0	8.0	36.0	28.0	59.0
Indicator value	**95.9%**	**96.2%**	**96.0%**	**96.6%**	**96.3%**	**95.8%**	**95.8%**	**96.1%**

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	61.0	78.0	76.0	82.0	91.0	103.0	105.0	107.0
Total Key personnel	65.0	78.0	77.0	82.0	91.0	103.0	105.0	107.0
Indicator value	**93.8%**	**100.0%**	**98.7%**	**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/03	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05
Successful siren-tests	186	181	185	184	186	186	186	186
Total sirens-tests	186	186	186	186	186	186	186	186
Indicator value	**99.9%**	**99.3%**	**99.2%**	**98.9%**	**98.9%**	**99.6%**	**99.7%**	**100.0%**

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

Fermi 2

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	1.0	1.0	1.0	0	0	0
Critical hours	2184.0	2183.0	1979.5	1558.7	1884.3	2065.8	1873.7	2209.0
Indicator value	**0.9**	**0.8**	**0.8**	**1.8**	**2.8**	**2.8**	**1.9**	**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	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
Scrams	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
Unplanned power changes	1.0	0	1.0	1.0	0	1.0	0	0
Critical hours	2184.0	2183.0	1979.5	1558.7	1884.3	2065.8	1873.7	2209.0
Indicator value	**0.9**	**0.8**	**1.6**	**2.7**	**1.8**	**2.8**	**1.9**	**0.9**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power, >2EDG

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

Notes

Safety System Unavailability, Emergency AC Power, >2EDG	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
Train 1								
Planned unavailable hours	10.00	6.70	72.70	19.39	3.18	8.60	26.05	6.20
Unplanned unavailable hours	0	1.27	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	2208.00	2160.00	2183.00	2208.00	2209.00
Train 2								
Planned unavailable hours	71.86	4.76	61.90	10.91	3.05	14.86	27.37	33.59
Unplanned unavailable hours	0	0	86.65	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	3750.04	0	0
Required hours	2184.00	2183.00	2208.00	2208.00	2160.00	2183.00	2208.00	2209.00
Train 3								
Planned unavailable hours	8.03	4.84	60.78	27.72	5.37	7.42	31.57	31.94
Unplanned unavailable hours	0	0	7.12	0	0	0	0	0
Fault exposure hours	0	0	2.72	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2183.00	2208.00	2208.00	2160.00	2183.00	2208.00	2209.00
Train 4								
Planned unavailable hours	13.07	5.91	53.56	37.28	10.93	10.71	36.60	12.26
Unplanned unavailable hours	0	0	7.13	0	9.08	0	14.10	0
Fault exposure hours	0	0	2.72	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2183.00	2208.00	2208.00	2160.00	2183.00	2208.00	2209.00
Indicator value	**4.8%**	**4.8%**	**4.9%**	**5.0%**	**5.0%**	**1.2%**	**1.1%**	**1.2%**

Licensee Comments: none

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

Notes

Safety System Unavailability, High Pressure Injection System (HPCI)	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
Train 1								
Planned unavailable hours	1.37	73.04	1.92	14.84	2.25	91.30	0.50	2.27
Unplanned unavailable hours	0	20.77	0	0	0	27.08	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2183.00	1979.47	1558.65	1978.99	2065.78	1873.68	2209.00
Indicator value	**1.3%**	**1.5%**	**1.5%**	**1.4%**	**1.0%**	**1.4%**	**1.4%**	**1.4%**

Licensee Comments: none

Safety System Unavailability, Heat Removal System (RCIC)

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

Notes

Safety System Unavailability, Heat Removal System (RCIC)	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
Train 1								
Planned unavailable hours	55.16	1.48	0.71	3.02	83.77	3.30	1.35	1.40
Unplanned unavailable hours	0	0	0	0	7.19	15.90	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	2184.00	2183.00	1979.47	1558.65	1978.99	2065.78	1873.68	2209.00
Indicator value	**2.3%**	**2.0%**	**2.0%**	**1.3%**	**1.5%**	**1.6%**	**1.6%**	**1.1%**

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	1.42	0.72	79.35	15.67	0.49	0	32.10	61.57
Unplanned unavailable hours	0	0	1.50	0	0	0	0	0.52
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Train 2								
Planned unavailable hours	1.10	13.05	23.71	9.60	0	13.80	25.34	0
Unplanned unavailable hours	0	0	0	0	13.42	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Indicator value	**0.5%**	**0.5%**	**0.6%**	**0.7%**	**0.7%**	**0.6%**	**0.6%**	**0.7%**

Licensee Comments: none

Safety System Functional Failures (BWR)

Thresholds: White > 6.0

Notes

Safety System Functional Failures (BWR)	1Q/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
Safety System Functional Failures	0	0	0	0	0	0	1	0
Indicator value	**1**	**1**	**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	0.000089	0.000094	0.000114	0.000080	0.000076	0.000125	0.000107	0.000071	0.000120	0.000124	N/A	0.000058
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0.1**	**0**	**0**	**0.1**	**0.1**	**0**	**0.1**	**0.1**	**N/A**	**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	0.000099	0.000062	0.000068	0.000091	0.000078	0.000072	0.000079	0.000074	0.000063	0.000100	0.000049	0.000053
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0.1**	**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	1.610	1.600	1.610	1.600	1.610	1.610	1.620	1.610	1.620	1.620	1.610	1.640
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.4**	**6.4**	**6.4**	**6.4**	**6.4**	**6.4**	**6.5**	**6.4**	**6.5**	**6.5**	**6.4**	**6.6**
Reactor Coolant System Leakage	**1/05**	**2/05**	**3/05**	**4/05**	**5/05**	**6/05**	**7/05**	**8/05**	**9/05**	**10/05**	**11/05**	**12/05**
Maximum leakage	2.940	1.640	1.620	1.620	1.620	1.620	1.630	1.620	1.610	1.610	1.600	1.600
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**11.8**	**6.6**	**6.5**	**6.5**	**6.5**	**6.5**	**6.5**	**6.5**	**6.4**	**6.4**	**6.4**	**6.4**

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	54.0	52.0	15.0	7.0	34.0	28.0	57.0	30.0
Total opportunities	57.0	53.0	16.0	8.0	36.0	28.0	59.0	33.0
Indicator value	**96.2%**	**96.0%**	**96.6%**	**96.3%**	**95.8%**	**95.8%**	**96.1%**	**95.5%**

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	78.0	76.0	82.0	91.0	103.0	105.0	107.0	105.0
Total Key personnel	78.0	77.0	82.0	91.0	103.0	105.0	107.0	105.0
Indicator value	**100.0%**	**98.7%**	**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/04	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05
Successful siren-tests	181	185	184	186	186	186	186	186
Total sirens-tests	186	186	186	186	186	186	186	186
Indicator value	**99.3%**	**99.2%**	**98.9%**	**98.9%**	**99.6%**	**99.7%**	**100.0%**	**100.0%**

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

Fermi 2

1Q/2006 Performance Indicators

Licensee's General Comments: Emergency Preparedness group revised the successful drills count for 09/2005 from 22 to 21. The change was based on re-assessment of a notification accuracy, and the indicator remains Green.

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	1.0	1.0	1.0	0	0	0	0
Critical hours	2183.0	1979.5	1558.7	1884.3	2065.8	1873.7	2209.0	1997.3
Indicator value	**0.8**	**0.8**	**1.8**	**2.8**	**2.8**	**1.9**	**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	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
Scrams	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

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	1.0	1.0	0	1.0	0	0	0
Critical hours	2183.0	1979.5	1558.7	1884.3	2065.8	1873.7	2209.0	1997.3
Indicator value	**0.8**	**1.6**	**2.7**	**1.8**	**2.8**	**1.9**	**0.9**	**0.9**

Licensee Comments: none

Safety System Unavailability, Emergency AC Power, >2EDG

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

Notes

Safety System Unavailability, Emergency AC Power, >2EDG	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
Train 1								
Planned unavailable hours	6.70	72.70	19.39	3.18	8.60	26.05	6.20	33.34
Unplanned unavailable hours	1.27	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	2208.00	2160.00	2183.00	2208.00	2209.00	2160.00
Train 2								
Planned unavailable hours	4.76	61.90	10.91	3.05	14.86	27.37	33.59	28.24
Unplanned unavailable hours	0	86.65	0	0	0	0	0	98.60
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	3750.04	0	0	0
Required hours	2183.00	2208.00	2208.00	2160.00	2183.00	2208.00	2209.00	2160.00
Train 3								
Planned unavailable hours	4.84	60.78	27.72	5.37	7.42	31.57	31.94	33.42
Unplanned unavailable hours	0	7.12	0	0	0	0	0	0
Fault exposure hours	0	2.72	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2208.00	2160.00	2183.00	2208.00	2209.00	2160.00
Train 4								
Planned unavailable hours	5.91	53.56	37.28	10.93	10.71	36.60	12.26	28.55
Unplanned unavailable hours	0	7.13	0	9.08	0	14.10	0	9.62
Fault exposure hours	0	2.72	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2208.00	2160.00	2183.00	2208.00	2209.00	2160.00
Indicator value	**4.8%**	**4.9%**	**5.0%**	**5.0%**	**1.2%**	**1.1%**	**1.2%**	**1.3%**

Licensee Comments: none

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

Notes

Safety System Unavailability, High Pressure Injection System (HPCI)	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
Train 1								
Planned unavailable hours	73.04	1.92	14.84	2.25	91.30	0.50	2.27	2.80
Unplanned unavailable hours	20.77	0	0	0	27.08	0	0	0
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	1979.47	1558.65	1978.99	2065.78	1873.68	2209.00	1997.25
Indicator value	**1.5%**	**1.5%**	**1.4%**	**1.0%**	**1.4%**	**1.4%**	**1.4%**	**1.3%**

Licensee Comments: none

Safety System Unavailability, Heat Removal System (RCIC)

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

Notes

Safety System Unavailability, Heat Removal System (RCIC)	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
Train 1								
Planned unavailable hours	1.48	0.71	3.02	83.77	3.30	1.35	1.40	10.95
Unplanned unavailable hours	0	0	0	7.19	15.90	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	2183.00	1979.47	1558.65	1978.99	2065.78	1873.68	2209.00	1997.25
Indicator value	**2.0%**	**2.0%**	**1.3%**	**1.5%**	**1.6%**	**1.6%**	**1.1%**	**1.1%**

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	0.72	79.35	15.67	0.49	0	32.10	61.57	8.30
Unplanned unavailable hours	0	1.50	0	0	0	0	0.52	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	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	2160.00
Train 2								
Planned unavailable hours	13.05	23.71	9.60	0	13.80	25.34	0	13.60
Unplanned unavailable hours	0	0	0	13.42	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00	1416.00
Indicator value	**0.5%**	**0.6%**	**0.7%**	**0.7%**	**0.6%**	**0.6%**	**0.7%**	**0.7%**

Licensee Comments: none

Safety System Functional Failures (BWR)

Thresholds: White > 6.0

Notes

Safety System Functional Failures (BWR)	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
Safety System Functional Failures	0	0	0	0	0	1	0	0
Indicator value	**1**	**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	0.000080	0.000076	0.000125	0.000107	0.000071	0.000120	0.000124	N/A	0.000058	0.000099	0.000062	0.000068
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0.1**	**0.1**	**0**	**0.1**	**0.1**	**N/A**	**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	0.000091	0.000078	0.000072	0.000079	0.000074	0.000063	0.000100	0.000049	0.000053	0.000054	0.000043	0.000084
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0.1**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**4/04**	**5/04**	**6/04**	**7/04**	**8/04**	**9/04**	**10/04**	**11/04**	**12/04**	**1/05**	**2/05**	**3/05**
Maximum leakage	1.600	1.610	1.610	1.620	1.610	1.620	1.620	1.610	1.640	2.940	1.640	1.620
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.4**	**6.4**	**6.4**	**6.5**	**6.4**	**6.5**	**6.5**	**6.4**	**6.6**	**11.8**	**6.6**	**6.5**
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	1.620	1.620	1.620	1.630	1.620	1.610	1.610	1.600	1.600	1.600	1.600	1.610
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.5**	**6.5**	**6.5**	**6.5**	**6.5**	**6.4**	**6.4**	**6.4**	**6.4**	**6.4**	**6.4**	**6.4**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/04	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06
Successful opportunities	52.0	15.0	7.0	34.0	28.0	56.0	30.0	11.0
Total opportunities	53.0	16.0	8.0	36.0	28.0	59.0	33.0	12.0
Indicator value	**96.0%**	**96.6%**	**96.3%**	**95.8%**	**95.8%**	**95.7%**	**95.2%**	**95.1%**

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	76.0	82.0	91.0	103.0	105.0	107.0	105.0	102.0
Total Key personnel	77.0	82.0	91.0	103.0	105.0	107.0	105.0	103.0
Indicator value	**98.7%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**99.0%**

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	185	184	186	186	186	186	186	186
Total sirens-tests	186	186	186	186	186	186	186	186
Indicator value	**99.2%**	**98.9%**	**98.9%**	**99.6%**	**99.7%**	**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/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

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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	1.0	1.0	1.0	0	0	0	0	1.0
Critical hours	1979.5	1558.7	1884.3	2065.8	1873.7	2209.0	1997.3	1145.3
Indicator value	**0.8**	**1.8**	**2.8**	**2.8**	**1.9**	**0.9**	**0**	**1.0**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal

Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

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

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
Unplanned power changes	1.0	1.0	0	1.0	0	0	0	1.0
Critical hours	1979.5	1558.7	1884.3	2065.8	1873.7	2209.0	1997.3	1145.3
Indicator value	**1.6**	**2.7**	**1.8**	**2.8**	**1.9**	**0.9**	**0.9**	**1.0**

Licensee Comments: none

Safety System Functional Failures (BWR)

Thresholds: White > 6.0

Notes

Safety System Functional Failures (BWR)	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
Safety System Functional Failures	0	0	0	0	1	0	0	0
Indicator value	**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	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
UAI (ΔCDF)								1.60E-08
URI (ΔCDF)								-1.30E-06
PLE								NO
Indicator value								**-1.28E-06**

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)								-7.10E-09
URI (ΔCDF)								-5.10E-08
PLE								NO
Indicator value								**-5.81E-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)								-6.70E-09
URI (ΔCDF)								-8.70E-08
PLE								NO
Indicator value								**-9.37E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System

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

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
UAI (ΔCDF)								2.30E-07
URI (ΔCDF)								-1.20E-07
PLE								NO
Indicator value								**1.10E-07**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
UAI (ΔCDF)								2.90E-08
URI (ΔCDF)								-1.00E-07
PLE								NO
Indicator value								**-7.10E-08**

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	0.000107	0.000071	0.000120	0.000124	N/A	0.000058	0.000099	0.000062	0.000068	0.000091	0.000078	0.000072
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0.1**	**0**	**0.1**	**0.1**	**N/A**	**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	0.000079	0.000074	0.000063	0.000100	0.000049	0.000053	0.000054	0.000043	0.000084	N/A	0.001650	0.000040
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0.1**	**0**	**0**	**0**	**0**	**0**	**N/A**	**0.8**	**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	1.620	1.610	1.620	1.620	1.610	1.640	2.940	1.640	1.620	1.620	1.620	1.620
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.5**	**6.4**	**6.5**	**6.5**	**6.4**	**6.6**	**11.8**	**6.6**	**6.5**	**6.5**	**6.5**	**6.5**
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	1.630	1.620	1.610	1.610	1.600	1.600	1.600	1.600	1.610	N/A	1.660	1.670
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.5**	**6.5**	**6.4**	**6.4**	**6.4**	**6.4**	**6.4**	**6.4**	**6.4**	**N/A**	**6.6**	**6.7**

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	15.0	7.0	34.0	28.0	56.0	30.0	11.0	37.0
Total opportunities	16.0	8.0	36.0	28.0	59.0	33.0	12.0	38.0
Indicator value	**96.6%**	**96.3%**	**95.8%**	**95.8%**	**95.7%**	**95.2%**	**95.1%**	**94.8%**

Licensee Comments: none

ERO Drill Participation

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
Participating Key personnel	82.0	91.0	103.0	105.0	107.0	105.0	102.0	102.0
Total Key personnel	82.0	91.0	103.0	105.0	107.0	105.0	103.0	105.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**99.0%**	**97.1%**

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	184	186	186	186	186	186	186	184
Total sirens-tests	186	186	186	186	186	186	186	186
Indicator value	**98.9%**	**98.9%**	**99.6%**	**99.7%**	**100.0%**	**100.0%**	**100.0%**	**99.7%**

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

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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	1.0	1.0	0	0	0	0	1.0	1.0
Critical hours	1558.7	1884.3	2065.8	1873.7	2209.0	1997.3	1145.3	1897.2
Indicator value	**1.8**	**2.8**	**2.8**	**1.9**	**0.9**	**0**	**1.0**	**1.9**

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	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/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
Unplanned power changes	1.0	0	1.0	0	0	0	1.0	1.0
Critical hours	1558.7	1884.3	2065.8	1873.7	2209.0	1997.3	1145.3	1897.2
Indicator value	**2.7**	**1.8**	**2.8**	**1.9**	**0.9**	**0.9**	**1.0**	**1.9**

Licensee Comments: none

Safety System Functional Failures (BWR)

Thresholds: White > 6.0

Notes

Safety System Functional Failures (BWR)	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
Safety System Functional Failures	0	0	0	1	0	0	0	0
Indicator value	**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	**4Q/04**	**1Q/05**	**2Q/05**	**3Q/05**	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**
UAI (ΔCDF)							1.60E-08	3.50E-08
URI (ΔCDF)							-1.30E-06	-1.50E-06
PLE							NO	NO
Indicator value							**-1.28E-06**	**-1.47E-06**

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System

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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**4Q/04**	**1Q/05**	**2Q/05**	**3Q/05**	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**
UAI (ΔCDF)							-7.10E-09	-8.50E-09
URI (ΔCDF)							-5.10E-08	-5.00E-08
PLE							NO	NO
Indicator value							**-5.81E-08**	**-5.85E-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)							-6.70E-09	-6.60E-09
URI (ΔCDF)							-8.70E-08	-7.60E-08
PLE							NO	NO
Indicator value							**-9.37E-08**	**-8.26E-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	**4Q/04**	**1Q/05**	**2Q/05**	**3Q/05**	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**
UAI (ΔCDF)							2.30E-07	1.60E-07
URI (ΔCDF)							-1.20E-07	-1.20E-07
PLE							NO	NO
Indicator value							**1.10E-07**	**4.00E-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/04**	**1Q/05**	**2Q/05**	**3Q/05**	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**
UAI (ΔCDF)							2.90E-08	2.90E-08
URI (ΔCDF)							-1.00E-07	-1.00E-07
PLE							NO	NO
Indicator value							**-7.10E-08**	**-7.10E-08**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**10/04**	**11/04**	**12/04**	**1/05**	**2/05**	**3/05**	**4/05**	**5/05**	**6/05**	**7/05**	**8/05**	**9/05**
Maximum activity	0.000124	N/A	0.000058	0.000099	0.000062	0.000068	0.000091	0.000078	0.000072	0.000079	0.000074	0.000063
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0.1**	**N/A**	**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	0.000100	0.000049	0.000053	0.000054	0.000043	0.000084	N/A	0.001650	0.000040	0.000034	0.000039	0.000031
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0.1**	**0**	**0**	**0**	**0**	**0**	**N/A**	**0.8**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**10/04**	**11/04**	**12/04**	**1/05**	**2/05**	**3/05**	**4/05**	**5/05**	**6/05**	**7/05**	**8/05**	**9/05**
Maximum leakage	1.620	1.610	1.640	2.940	1.640	1.620	1.620	1.620	1.620	1.630	1.620	1.610
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.5**	**6.4**	**6.6**	**11.8**	**6.6**	**6.5**	**6.5**	**6.5**	**6.5**	**6.5**	**6.5**	**6.4**
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	1.610	1.600	1.600	1.600	1.600	1.610	N/A	1.660	1.670	1.840	1.860	1.810
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.4**	**6.4**	**6.4**	**6.4**	**6.4**	**6.4**	**N/A**	**6.6**	**6.7**	**7.4**	**7.4**	**7.2**

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	7.0	34.0	28.0	56.0	30.0	11.0	37.0	60.0
Total opportunities	8.0	36.0	28.0	59.0	33.0	12.0	38.0	62.0
Indicator value	**96.3%**	**95.8%**	**95.8%**	**95.7%**	**95.2%**	**95.1%**	**94.8%**	**95.3%**

Licensee Comments: none

ERO Drill Participation

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
Participating Key personnel	91.0	103.0	105.0	107.0	105.0	102.0	102.0	103.0
Total Key personnel	91.0	103.0	105.0	107.0	105.0	103.0	105.0	103.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**99.0%**	**97.1%**	**100.0%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06
Successful siren-tests	186	186	186	186	186	186	184	186
Total sirens-tests	186	186	186	186	186	186	186	186
Indicator value	**98.9%**	**99.6%**	**99.7%**	**100.0%**	**100.0%**	**100.0%**	**99.7%**	**99.7%**

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

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4Q/2006 Performance Indicators

Licensee's General Comments: Revised UA Baseline data for all systems to 2002 - 2004 base period

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	1.0	0	0	0	0	1.0	1.0	0
Critical hours	1884.3	2065.8	1873.7	2209.0	1997.3	1145.3	1897.2	2209.0
Indicator value	**2.8**	**2.8**	**1.9**	**0.9**	**0**	**1.0**	**1.9**	**1.9**

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/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
Scrams	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
Unplanned power changes	0	1.0	0	0	0	1.0	1.0	0
Critical hours	1884.3	2065.8	1873.7	2209.0	1997.3	1145.3	1897.2	2209.0
Indicator value	**1.8**	**2.8**	**1.9**	**0.9**	**0.9**	**1.0**	**1.9**	**1.9**

Licensee Comments: none

Safety System Functional Failures (BWR)

Thresholds: White > 6.0

Notes

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

Licensee Comments:

4Q/06: LER 2006-004, "Emergency Diesel Generators Out of Service due to Undersized Control Power Transformers," submitted on 10/12/2006 under NRC-06-0071.

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)						3.60E-08	5.60E-08	1.30E-07
URI (ΔCDF)						-9.90E-07	-1.30E-06	-1.30E-06
PLE						NO	NO	NO
Indicator value						**-9.54E-07**	**-1.24E-06**	**-1.17E-06**

Licensee Comments:

4Q/06: Verified and entered new UABLP and UABLU for 2002 -2004 baseline period.

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

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

Mitigating Systems Performance Index, High Pressure Injection System

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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**1Q/05**	**2Q/05**	**3Q/05**	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**
UAI (ΔCDF)						1.40E-08	-2.30E-09	2.20E-08
URI (ΔCDF)						-5.10E-08	-5.00E-08	-5.10E-08
PLE						NO	NO	NO
Indicator value						**-3.70E-08**	**-5.23E-08**	**-2.90E-08**

Licensee Comments:

4Q/06: Verified and entered new UABLP and UABLU for 2002 -2004 baseline period.

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	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
UAI (ΔCDF)						-6.70E-09	-6.60E-09	-7.90E-09
URI (ΔCDF)						-8.70E-08	-7.60E-08	-7.50E-08
PLE						NO	NO	NO
Indicator value						**-9.37E-08**	**-8.26E-08**	**-8.29E-08**

Licensee Comments:

4Q/06: Verified and entered new UABLP and UABLU for 2002 -2004 baseline period.

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)						4.90E-08	4.00E-08	3.50E-08
URI (ΔCDF)						-1.20E-07	-1.20E-07	-1.20E-07
PLE						NO	NO	NO
Indicator value						**-7.10E-08**	**-8.00E-08**	**-8.50E-08**

Licensee Comments:

4Q/06: Verified and entered new UABLP and UABLU for 2002 -2004 baseline period.

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

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)						4.10E-08	4.10E-08	7.40E-08
URI (ΔCDF)						-1.00E-07	-1.00E-07	-1.00E-07
PLE						NO	NO	NO
Indicator value						**-5.90E-08**	**-5.90E-08**	**-2.60E-08**

Licensee Comments:

4Q/06: Verified and entered new UABLP and UABLU for 2002 -2004 baseline period.

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

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	0.000099	0.000062	0.000068	0.000091	0.000078	0.000072	0.000079	0.000074	0.000063	0.000100	0.000049	0.000053
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0.1**	**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	0.000054	0.000043	0.000084	N/A	0.001650	0.000040	0.000034	0.000039	0.000031	0.000032	0.000051	0.000031
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**N/A**	**0.8**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**1/05**	**2/05**	**3/05**	**4/05**	**5/05**	**6/05**	**7/05**	**8/05**	**9/05**	**10/05**	**11/05**	**12/05**
Maximum leakage	2.940	1.640	1.620	1.620	1.620	1.620	1.630	1.620	1.610	1.610	1.600	1.600
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**11.8**	**6.6**	**6.5**	**6.5**	**6.5**	**6.5**	**6.5**	**6.5**	**6.4**	**6.4**	**6.4**	**6.4**
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	1.600	1.600	1.610	N/A	1.660	1.670	1.840	1.860	1.810	1.800	1.810	1.800
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.4**	**6.4**	**6.4**	**N/A**	**6.6**	**6.7**	**7.4**	**7.4**	**7.2**	**7.2**	**7.2**	**7.2**

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	34.0	28.0	56.0	30.0	11.0	37.0	60.0	25.0
Total opportunities	36.0	28.0	59.0	33.0	12.0	38.0	62.0	25.0
Indicator value	**95.8%**	**95.8%**	**95.7%**	**95.2%**	**95.1%**	**94.8%**	**95.3%**	**95.9%**

Licensee Comments: none

ERO Drill Participation

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
Participating Key personnel	103.0	105.0	107.0	105.0	102.0	102.0	103.0	103.0
Total Key personnel	103.0	105.0	107.0	105.0	103.0	105.0	103.0	104.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**99.0%**	**97.1%**	**100.0%**	**99.0%**

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	186	186	186	186	186	184	186	186
Total sirens-tests	186	186	186	186	186	186	186	186
Indicator value	**99.6%**	**99.7%**	**100.0%**	**100.0%**	**100.0%**	**99.7%**	**99.7%**	**99.7%**

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

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1Q/2007 Performance Indicators

Licensee's General Comments: none

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07
Unplanned scrams	0	0	0	0	1.0	1.0	0	0
Critical hours	2065.8	1873.7	2209.0	1997.3	1145.3	1897.2	2209.0	2159.0
Indicator value	**2.8**	**1.9**	**0.9**	**0**	**1.0**	**1.9**	**1.9**	**1.9**

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/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07
Scrams	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07
Unplanned power changes	1.0	0	0	0	1.0	1.0	0	0
Critical hours	2065.8	1873.7	2209.0	1997.3	1145.3	1897.2	2209.0	2159.0
Indicator value	**2.8**	**1.9**	**0.9**	**0.9**	**1.0**	**1.9**	**1.9**	**1.9**

Licensee Comments: none

Safety System Functional Failures (BWR)

Thresholds: White > 6.0

Notes

Safety System Functional Failures (BWR)	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07
Safety System Functional Failures	0	1	0	0	0	0	1	0
Indicator value	**0**	**1**	**1**	**1**	**1**	**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/05**	**3Q/05**	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**
UAI (ΔCDF)					3.60E-08	5.60E-08	1.30E-07	1.60E-07
URI (ΔCDF)					-9.90E-07	-1.30E-06	-1.30E-06	3.30E-07
PLE					NO	NO	NO	NO
Indicator value					**-9.54E-07**	**-1.24E-06**	**-1.17E-06**	**4.90E-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	**2Q/05**	**3Q/05**	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**
UAI (ΔCDF)					1.40E-08	-2.30E-09	2.20E-08	2.20E-08
URI (ΔCDF)					-5.10E-08	-5.00E-08	-5.10E-08	-5.10E-08
PLE					NO	NO	NO	NO
Indicator value					**-3.70E-08**	**-5.23E-08**	**-2.90E-08**	**-2.90E-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	**2Q/05**	**3Q/05**	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**
UAI (ΔCDF)					-6.70E-09	-6.60E-09	-7.90E-09	1.70E-08
URI (ΔCDF)					-8.70E-08	-7.60E-08	-7.50E-08	-7.60E-08
PLE					NO	NO	NO	NO
Indicator value					**-9.37E-08**	**-8.26E-08**	**-8.29E-08**	**-5.90E-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/05**	**3Q/05**	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**
UAI (ΔCDF)					4.90E-08	4.00E-08	3.50E-08	7.30E-08
URI (ΔCDF)					-1.20E-07	-1.20E-07	-1.20E-07	-1.20E-07
PLE					NO	NO	NO	NO
Indicator value					**-7.10E-08**	**-8.00E-08**	**-8.50E-08**	**-4.70E-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)					4.10E-08	4.10E-08	7.40E-08	7.40E-08
URI (ΔCDF)					-1.00E-07	-1.00E-07	-1.00E-07	-1.00E-07
PLE					NO	NO	NO	NO
Indicator value					**-5.90E-08**	**-5.90E-08**	**-2.60E-08**	**-2.60E-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	0.000091	0.000078	0.000072	0.000079	0.000074	0.000063	0.000100	0.000049	0.000053	0.000054	0.000043	0.000084
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0.1**	**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	N/A	0.001650	0.000040	0.000034	0.000039	0.000031	0.000032	0.000051	0.000031	0.000032	0.000046	0.000050
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**N/A**	**0.8**	**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	1.620	1.620	1.620	1.630	1.620	1.610	1.610	1.600	1.600	1.600	1.600	1.610
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.5**	**6.5**	**6.5**	**6.5**	**6.5**	**6.4**	**6.4**	**6.4**	**6.4**	**6.4**	**6.4**	**6.4**
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	N/A	1.660	1.670	1.840	1.860	1.810	1.800	1.810	1.800	1.820	1.890	1.920
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**N/A**	**6.6**	**6.7**	**7.4**	**7.4**	**7.2**	**7.2**	**7.2**	**7.2**	**7.3**	**7.6**	**7.7**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07
Successful opportunities	28.0	56.0	30.0	11.0	37.0	60.0	25.0	18.0
Total opportunities	28.0	59.0	33.0	12.0	38.0	62.0	25.0	19.0
Indicator value	**95.8%**	**95.7%**	**95.2%**	**95.1%**	**94.8%**	**95.3%**	**95.9%**	**96.0%**

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	105.0	107.0	105.0	102.0	102.0	103.0	103.0	106.0
Total Key personnel	105.0	107.0	105.0	103.0	105.0	103.0	104.0	106.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**99.0%**	**97.1%**	**100.0%**	**99.0%**	**100.0%**

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	186	186	186	186	184	186	186	186
Total sirens-tests	186	186	186	186	186	186	186	186
Indicator value	**99.7%**	**100.0%**	**100.0%**	**100.0%**	**99.7%**	**99.7%**	**99.7%**	**99.7%**

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

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2Q/2007 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/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
Unplanned scrams	0	0	0	1.0	1.0	0	0	0
Critical hours	1873.7	2209.0	1997.3	1145.3	1897.2	2209.0	2159.0	2184.0
Indicator value	**1.9**	**0.9**	**0**	**1.0**	**1.9**	**1.9**	**1.9**	**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	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
Scrams	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
Unplanned power changes	0	0	0	1.0	1.0	0	0	0
Critical hours	1873.7	2209.0	1997.3	1145.3	1897.2	2209.0	2159.0	2184.0
Indicator value	**1.9**	**0.9**	**0.9**	**1.0**	**1.9**	**1.9**	**1.9**	**0.8**

Licensee Comments: none

Safety System Functional Failures (BWR)

Thresholds: White > 6.0

Notes

Safety System Functional Failures (BWR)	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
Safety System Functional Failures	1	0	0	0	0	1	0	0
Indicator value	**1**	**1**	**1**	**1**	**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/05**	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**	**2Q/07**
UAI (ΔCDF)				3.60E-08	5.60E-08	1.30E-07	1.60E-07	1.70E-07
URI (ΔCDF)				-9.90E-07	-1.30E-06	-1.30E-06	3.30E-07	1.50E-07
PLE				NO	NO	NO	NO	NO
Indicator value				**-9.54E-07**	**-1.24E-06**	**-1.17E-06**	**4.90E-07**	**3.20E-07**

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System

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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**3Q/05**	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**	**2Q/07**
UAI (ΔCDF)				1.40E-08	-2.30E-09	2.20E-08	2.20E-08	-1.50E-08
URI (ΔCDF)				-5.10E-08	-5.00E-08	-5.10E-08	-5.10E-08	-5.00E-08
PLE				NO	NO	NO	NO	NO
Indicator value				**-3.70E-08**	**-5.23E-08**	**-2.90E-08**	**-2.90E-08**	**-6.50E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System

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

Notes

Mitigating Systems Performance Index, Heat Removal System	**3Q/05**	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**	**2Q/07**
UAI (ΔCDF)				-6.70E-09	-6.60E-09	-7.90E-09	1.70E-08	1.70E-08
URI (ΔCDF)				-8.70E-08	-7.60E-08	-7.50E-08	-7.60E-08	-7.60E-08
PLE				NO	NO	NO	NO	NO
Indicator value				**-9.37E-08**	**-8.26E-08**	**-8.29E-08**	**-5.90E-08**	**-5.90E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System

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

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	**3Q/05**	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**	**2Q/07**
UAI (ΔCDF)				4.90E-08	4.00E-08	3.50E-08	7.30E-08	7.10E-08
URI (ΔCDF)				-1.20E-07	-1.20E-07	-1.20E-07	-1.20E-07	-1.20E-07
PLE				NO	NO	NO	NO	NO
Indicator value				**-7.10E-08**	**-8.00E-08**	**-8.50E-08**	**-4.70E-08**	**-4.90E-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	**3Q/05**	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**	**2Q/07**
UAI (ΔCDF)				4.10E-08	4.10E-08	7.40E-08	7.40E-08	9.90E-08
URI (ΔCDF)				-1.00E-07	-1.00E-07	-1.00E-07	-1.00E-07	-1.00E-07
PLE				NO	NO	NO	NO	NO
Indicator value				**-5.90E-08**	**-5.90E-08**	**-2.60E-08**	**-2.60E-08**	**-1.00E-09**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**7/05**	**8/05**	**9/05**	**10/05**	**11/05**	**12/05**	**1/06**	**2/06**	**3/06**	**4/06**	**5/06**	**6/06**
Maximum activity	0.000079	0.000074	0.000063	0.000100	0.000049	0.000053	0.000054	0.000043	0.000084	N/A	0.001650	0.000040
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0.1**	**0**	**0**	**0**	**0**	**0**	**N/A**	**0.8**	**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	0.000034	0.000039	0.000031	0.000032	0.000051	0.000031	0.000032	0.000046	0.000050	0.000060	0.000049	0.000047
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**7/05**	**8/05**	**9/05**	**10/05**	**11/05**	**12/05**	**1/06**	**2/06**	**3/06**	**4/06**	**5/06**	**6/06**
Maximum leakage	1.630	1.620	1.610	1.610	1.600	1.600	1.600	1.600	1.610	N/A	1.660	1.670
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.5**	**6.5**	**6.4**	**6.4**	**6.4**	**6.4**	**6.4**	**6.4**	**6.4**	**N/A**	**6.6**	**6.7**
Reactor Coolant System Leakage	**7/06**	**8/06**	**9/06**	**10/06**	**11/06**	**12/06**	**1/07**	**2/07**	**3/07**	**4/07**	**5/07**	**6/07**
Maximum leakage	1.840	1.860	1.810	1.800	1.810	1.800	1.820	1.890	1.920	1.950	1.900	1.940
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**7.4**	**7.4**	**7.2**	**7.2**	**7.2**	**7.2**	**7.3**	**7.6**	**7.7**	**7.8**	**7.6**	**7.8**

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	56.0	30.0	11.0	37.0	60.0	25.0	18.0	25.0
Total opportunities	59.0	33.0	12.0	38.0	62.0	25.0	19.0	25.0
Indicator value	**95.7%**	**95.2%**	**95.1%**	**94.8%**	**95.3%**	**95.9%**	**96.0%**	**96.0%**

Licensee Comments: none

ERO Drill Participation

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
Participating Key personnel	107.0	105.0	102.0	102.0	103.0	103.0	106.0	105.0
Total Key personnel	107.0	105.0	103.0	105.0	103.0	104.0	106.0	105.0
Indicator value	**100.0%**	**100.0%**	**99.0%**	**97.1%**	**100.0%**	**99.0%**	**100.0%**	**100.0%**

Licensee Comments: none

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	186	186	186	184	186	186	186	186
Total sirens-tests	186	186	186	186	186	186	186	186
Indicator value	**100.0%**	**100.0%**	**100.0%**	**99.7%**	**99.7%**	**99.7%**	**99.7%**	**100.0%**

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

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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	0	0	1.0	1.0	0	0	0	0
Critical hours	2209.0	1997.3	1145.3	1897.2	2209.0	2159.0	2184.0	2164.0
Indicator value	**0.9**	**0**	**1.0**	**1.9**	**1.9**	**1.9**	**0.8**	**0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
Unplanned power changes	0	0	1.0	1.0	0	0	0	0
Critical hours	2209.0	1997.3	1145.3	1897.2	2209.0	2159.0	2184.0	2164.0
Indicator value	**0.9**	**0.9**	**1.0**	**1.9**	**1.9**	**1.9**	**0.8**	**0**

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 (BWR)

Thresholds: White > 6.0

Notes

Safety System Functional Failures (BWR)	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
Safety System Functional Failures	0	0	0	0	1	0	0	0
Indicator value	**1**	**1**	**1**	**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/05**	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**	**2Q/07**	**3Q/07**
UAI (ΔCDF)			3.60E-08	5.60E-08	1.30E-07	1.60E-07	1.70E-07	1.30E-07
URI (ΔCDF)			-9.90E-07	-1.30E-06	-1.30E-06	3.30E-07	1.50E-07	-9.30E-08
PLE			NO	NO	NO	NO	NO	NO
Indicator value			**-9.54E-07**	**-1.24E-06**	**-1.17E-06**	**4.90E-07**	**3.20E-07**	**3.70E-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/05**	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**	**2Q/07**	**3Q/07**
UAI (ΔCDF)			1.40E-08	-2.30E-09	2.20E-08	2.20E-08	-1.50E-08	-1.50E-08
URI (ΔCDF)			-5.10E-08	-5.00E-08	-5.10E-08	-5.10E-08	-5.00E-08	-4.80E-08
PLE			NO	NO	NO	NO	NO	NO
Indicator value			**-3.70E-08**	**-5.23E-08**	**-2.90E-08**	**-2.90E-08**	**-6.50E-08**	**-6.30E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System

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

Notes

Mitigating Systems Performance Index, Heat Removal System	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**	**2Q/07**	**3Q/07**
UAI (ΔCDF)			-6.70E-09	-6.60E-09	-7.90E-09	1.70E-08	1.70E-08	9.30E-08
URI (ΔCDF)			-8.70E-08	-7.60E-08	-7.50E-08	-7.60E-08	-7.60E-08	-8.20E-08
PLE			NO	NO	NO	NO	NO	NO
Indicator value			**-9.37E-08**	**-8.26E-08**	**-8.29E-08**	**-5.90E-08**	**-5.90E-08**	**1.10E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System

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

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**	**2Q/07**	**3Q/07**
UAI (ΔCDF)			4.90E-08	4.00E-08	3.50E-08	7.30E-08	7.10E-08	2.80E-08
URI (ΔCDF)			-1.20E-07	-1.20E-07	-1.20E-07	-1.20E-07	-1.20E-07	-1.70E-07
PLE			NO	NO	NO	NO	NO	NO
Indicator value			**-7.10E-08**	**-8.00E-08**	**-8.50E-08**	**-4.70E-08**	**-4.90E-08**	**-1.42E-07**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**4Q/05**	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**	**2Q/07**	**3Q/07**
UAI (ΔCDF)			4.10E-08	4.10E-08	7.40E-08	7.40E-08	9.90E-08	1.30E-08
URI (ΔCDF)			-1.00E-07	-1.00E-07	-1.00E-07	-1.00E-07	-1.00E-07	-1.00E-07
PLE			NO	NO	NO	NO	NO	NO
Indicator value			**-5.90E-08**	**-5.90E-08**	**-2.60E-08**	**-2.60E-08**	**-1.00E-09**	**-8.70E-08**

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	0.000100	0.000049	0.000053	0.000054	0.000043	0.000084	N/A	0.001650	0.000040	0.000034	0.000039	0.000031
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0.1**	**0**	**0**	**0**	**0**	**0**	**N/A**	**0.8**	**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	0.000032	0.000051	0.000031	0.000032	0.000046	0.000050	0.000060	0.000049	0.000047	0.000051	0.000074	0.000068
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**10/05**	**11/05**	**12/05**	**1/06**	**2/06**	**3/06**	**4/06**	**5/06**	**6/06**	**7/06**	**8/06**	**9/06**
Maximum leakage	1.610	1.600	1.600	1.600	1.600	1.610	N/A	1.660	1.670	1.840	1.860	1.810
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.4**	**6.4**	**6.4**	**6.4**	**6.4**	**6.4**	**N/A**	**6.6**	**6.7**	**7.4**	**7.4**	**7.2**
Reactor Coolant System Leakage	**10/06**	**11/06**	**12/06**	**1/07**	**2/07**	**3/07**	**4/07**	**5/07**	**6/07**	**7/07**	**8/07**	**9/07**
Maximum leakage	1.800	1.810	1.800	1.820	1.890	1.920	1.950	1.900	1.940	1.910	1.900	1.910
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**7.2**	**7.2**	**7.2**	**7.3**	**7.6**	**7.7**	**7.8**	**7.6**	**7.8**	**7.6**	**7.6**	**7.6**

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	30.0	11.0	37.0	60.0	25.0	18.0	25.0	8.0
Total opportunities	33.0	12.0	38.0	62.0	25.0	19.0	25.0	9.0
Indicator value	**95.2%**	**95.1%**	**94.8%**	**95.3%**	**95.9%**	**96.0%**	**96.0%**	**96.0%**

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	105.0	102.0	102.0	103.0	103.0	106.0	105.0	97.0
Total Key personnel	105.0	103.0	105.0	103.0	104.0	106.0	105.0	99.0
Indicator value	**100.0%**	**99.0%**	**97.1%**	**100.0%**	**99.0%**	**100.0%**	**100.0%**	**98.0%**

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	186	186	184	186	186	186	186	186
Total sirens-tests	186	186	186	186	186	186	186	186
Indicator value	**100.0%**	**100.0%**	**99.7%**	**99.7%**	**99.7%**	**99.7%**	**100.0%**	**100.0%**

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

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4Q/2007 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/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
Unplanned scrams	0	1.0	1.0	0	0	0	0	1.0
Critical hours	1997.3	1145.3	1897.2	2209.0	2159.0	2184.0	2164.0	1122.9
Indicator value	**0**	**1.0**	**1.9**	**1.9**	**1.9**	**0.8**	**0**	**0.9**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
Unplanned power changes	0	1.0	1.0	0	0	0	0	2.0
Critical hours	1997.3	1145.3	1897.2	2209.0	2159.0	2184.0	2164.0	1122.9
Indicator value	**0.9**	**1.0**	**1.9**	**1.9**	**1.9**	**0.8**	**0**	**1.8**

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 (BWR)

Thresholds: White > 6.0

Notes

Safety System Functional Failures (BWR)	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
Safety System Functional Failures	0	0	0	1	0	0	0	0
Indicator value	**1**	**1**	**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/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**	**2Q/07**	**3Q/07**	**4Q/07**
UAI (ΔCDF)		3.60E-08	5.60E-08	1.30E-07	1.60E-07	1.70E-07	1.30E-07	9.30E-08
URI (ΔCDF)		-9.90E-07	-1.30E-06	-1.30E-06	3.30E-07	1.50E-07	-9.30E-08	-1.40E-07
PLE		NO	NO	NO	NO	NO	NO	NO
Indicator value		**-9.54E-07**	**-1.24E-06**	**-1.17E-06**	**4.90E-07**	**3.20E-07**	**3.70E-08**	**-4.70E-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/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**	**2Q/07**	**3Q/07**	**4Q/07**
UAI (ΔCDF)		1.40E-08	-2.30E-09	2.20E-08	2.20E-08	-1.50E-08	-1.50E-08	-1.50E-08
URI (ΔCDF)		-5.10E-08	-5.00E-08	-5.10E-08	-5.10E-08	-5.00E-08	-4.80E-08	-4.70E-08
PLE		NO	NO	NO	NO	NO	NO	NO
Indicator value		**-3.70E-08**	**-5.23E-08**	**-2.90E-08**	**-2.90E-08**	**-6.50E-08**	**-6.30E-08**	**-6.20E-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/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**	**2Q/07**	**3Q/07**	**4Q/07**
UAI (ΔCDF)		-6.70E-09	-6.60E-09	-7.90E-09	1.70E-08	1.70E-08	9.30E-08	1.60E-07
URI (ΔCDF)		-8.70E-08	-7.60E-08	-7.50E-08	-7.60E-08	-7.60E-08	-8.20E-08	-8.40E-08
PLE		NO	NO	NO	NO	NO	NO	NO
Indicator value		**-9.37E-08**	**-8.26E-08**	**-8.29E-08**	**-5.90E-08**	**-5.90E-08**	**1.10E-08**	**7.60E-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	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**	**2Q/07**	**3Q/07**	**4Q/07**
UAI (ΔCDF)		4.90E-08	4.00E-08	3.50E-08	7.30E-08	7.10E-08	2.80E-08	3.00E-08
URI (ΔCDF)		-1.20E-07	-1.20E-07	-1.20E-07	-1.20E-07	-1.20E-07	-1.70E-07	-1.70E-07
PLE		NO	NO	NO	NO	NO	NO	NO
Indicator value		**-7.10E-08**	**-8.00E-08**	**-8.50E-08**	**-4.70E-08**	**-4.90E-08**	**-1.42E-07**	**-1.40E-07**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**1Q/06**	**2Q/06**	**3Q/06**	**4Q/06**	**1Q/07**	**2Q/07**	**3Q/07**	**4Q/07**
UAI (ΔCDF)		4.10E-08	4.10E-08	7.40E-08	7.40E-08	9.90E-08	1.30E-08	1.60E-08
URI (ΔCDF)		-1.00E-07	-1.00E-07	-1.00E-07	-1.00E-07	-1.00E-07	-1.00E-07	-1.00E-07
PLE		NO	NO	NO	NO	NO	NO	NO
Indicator value		**-5.90E-08**	**-5.90E-08**	**-2.60E-08**	**-2.60E-08**	**-1.00E-09**	**-8.70E-08**	**-8.40E-08**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**1/06**	**2/06**	**3/06**	**4/06**	**5/06**	**6/06**	**7/06**	**8/06**	**9/06**	**10/06**	**11/06**	**12/06**
Maximum activity	0.000054	0.000043	0.000084	N/A	0.001650	0.000040	0.000034	0.000039	0.000031	0.000032	0.000051	0.000031
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**N/A**	**0.8**	**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	0.000032	0.000046	0.000050	0.000060	0.000049	0.000047	0.000051	0.000074	0.000068	N/A	N/A	0.000047
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**N/A**	**N/A**	**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	1.600	1.600	1.610	N/A	1.660	1.670	1.840	1.860	1.810	1.800	1.810	1.800
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.4**	**6.4**	**6.4**	**N/A**	**6.6**	**6.7**	**7.4**	**7.4**	**7.2**	**7.2**	**7.2**	**7.2**
Reactor Coolant System Leakage	**1/07**	**2/07**	**3/07**	**4/07**	**5/07**	**6/07**	**7/07**	**8/07**	**9/07**	**10/07**	**11/07**	**12/07**
Maximum leakage	1.820	1.890	1.920	1.950	1.900	1.940	1.910	1.900	1.910	N/A	1.810	1.620
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**7.3**	**7.6**	**7.7**	**7.8**	**7.6**	**7.8**	**7.6**	**7.6**	**7.6**	**N/A**	**7.2**	**6.5**

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	11.0	37.0	60.0	25.0	18.0	25.0	8.0	2.0
Total opportunities	12.0	38.0	62.0	25.0	19.0	25.0	9.0	3.0
Indicator value	**95.1%**	**94.8%**	**95.3%**	**95.9%**	**96.0%**	**96.0%**	**96.0%**	**96.4%**

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	102.0	102.0	103.0	103.0	106.0	105.0	97.0	95.0
Total Key personnel	103.0	105.0	103.0	104.0	106.0	105.0	99.0	96.0
Indicator value	**99.0%**	**97.1%**	**100.0%**	**99.0%**	**100.0%**	**100.0%**	**98.0%**	**99.0%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
Successful siren-tests	186	184	186	186	186	186	186	186
Total sirens-tests	186	186	186	186	186	186	186	186
Indicator value	**100.0%**	**99.7%**	**99.7%**	**99.7%**	**99.7%**	**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/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

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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	1.0	1.0	0	0	0	0	1.0	1.0
Critical hours	1145.3	1897.2	2209.0	2159.0	2184.0	2164.0	1122.9	2135.3
Indicator value	**1.0**	**1.9**	**1.9**	**1.9**	**0.8**	**0**	**0.9**	**1.8**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
Unplanned power changes	1.0	1.0	0	0	0	0	1.0	0
Critical hours	1145.3	1897.2	2209.0	2159.0	2184.0	2164.0	1122.9	2135.3
Indicator value	**1.0**	**1.9**	**1.9**	**1.9**	**0.8**	**0**	**0.9**	**0.9**

Licensee Comments:

4Q/07: After further evaluation, determined that the 11/25/2007 downpower met reporting criteria for a planned event. Qtr 4 data updated accordingly.

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 (BWR)

Thresholds: White > 6.0

Notes

Safety System Functional Failures (BWR)	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
Safety System Functional Failures	0	0	1	0	0	0	0	0
Indicator value	**1**	**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/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
UAI (ΔCDF)	3.60E-08	5.60E-08	1.30E-07	1.60E-07	1.70E-07	1.30E-07	9.30E-08	1.50E-07
URI (ΔCDF)	-9.90E-07	-1.30E-06	-1.30E-06	3.30E-07	1.50E-07	-9.30E-08	-1.40E-07	-1.40E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-9.54E-07**	**-1.24E-06**	**-1.17E-06**	**4.90E-07**	**3.20E-07**	**3.70E-08**	**-4.70E-08**	**1.00E-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/06**	**3Q/06**	**4Q/06**	**1Q/07**	**2Q/07**	**3Q/07**	**4Q/07**	**1Q/08**
UAI (ΔCDF)	1.40E-08	-2.30E-09	2.20E-08	2.20E-08	-1.50E-08	-1.50E-08	-1.50E-08	-1.50E-08
URI (ΔCDF)	-5.10E-08	-5.00E-08	-5.10E-08	-5.10E-08	-5.00E-08	-4.80E-08	-4.70E-08	-4.70E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.70E-08**	**-5.23E-08**	**-2.90E-08**	**-2.90E-08**	**-6.50E-08**	**-6.30E-08**	**-6.20E-08**	**-6.20E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System

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

Notes

Mitigating Systems Performance Index, Heat Removal System	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
UAI (ΔCDF)	-6.70E-09	-6.60E-09	-7.90E-09	1.70E-08	1.70E-08	9.30E-08	1.60E-07	1.20E-07
URI (ΔCDF)	-8.70E-08	-7.60E-08	-7.50E-08	-7.60E-08	-7.60E-08	-8.20E-08	-8.40E-08	-8.10E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-9.37E-08**	**-8.26E-08**	**-8.29E-08**	**-5.90E-08**	**-5.90E-08**	**1.10E-08**	**7.60E-08**	**3.90E-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/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
UAI (ΔCDF)	4.90E-08	4.00E-08	3.50E-08	7.30E-08	7.10E-08	2.80E-08	3.00E-08	3.20E-08
URI (ΔCDF)	-1.20E-07	-1.20E-07	-1.20E-07	-1.20E-07	-1.20E-07	-1.70E-07	-1.70E-07	-2.30E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-7.10E-08**	**-8.00E-08**	**-8.50E-08**	**-4.70E-08**	**-4.90E-08**	**-1.42E-07**	**-1.40E-07**	**-1.98E-07**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
UAI (ΔCDF)	4.10E-08	4.10E-08	7.40E-08	7.40E-08	9.90E-08	1.30E-08	1.60E-08	8.60E-08
URI (ΔCDF)	-1.00E-07	-1.00E-07	-1.00E-07	-1.00E-07	-1.00E-07	-1.00E-07	-1.00E-07	-1.00E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-5.90E-08**	**-5.90E-08**	**-2.60E-08**	**-2.60E-08**	**-1.00E-09**	**-8.70E-08**	**-8.40E-08**	**-1.40E-08**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	4/06	5/06	6/06	7/06	8/06	9/06	10/06	11/06	12/06	1/07	2/07	3/07
Maximum activity	N/A	0.001650	0.000040	0.000034	0.000039	0.000031	0.000032	0.000051	0.000031	0.000032	0.000046	0.000050
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**N/A**	**0.8**	**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	0.000060	0.000049	0.000047	0.000051	0.000074	0.000068	N/A	N/A	0.000047	0.000056	0.000040	0.000046
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**N/A**	**N/A**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	4/06	5/06	6/06	7/06	8/06	9/06	10/06	11/06	12/06	1/07	2/07	3/07
Maximum leakage	N/A	1.660	1.670	1.840	1.860	1.810	1.800	1.810	1.800	1.820	1.890	1.920
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**N/A**	**6.6**	**6.7**	**7.4**	**7.4**	**7.2**	**7.2**	**7.2**	**7.2**	**7.3**	**7.6**	**7.7**
Reactor Coolant System Leakage	**4/07**	**5/07**	**6/07**	**7/07**	**8/07**	**9/07**	**10/07**	**11/07**	**12/07**	**1/08**	**2/08**	**3/08**
Maximum leakage	1.950	1.900	1.940	1.910	1.900	1.910	N/A	1.810	1.620	1.600	1.600	1.610
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**7.8**	**7.6**	**7.8**	**7.6**	**7.6**	**7.6**	**N/A**	**7.2**	**6.5**	**6.4**	**6.4**	**6.4**

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	37.0	60.0	25.0	18.0	25.0	8.0	2.0	6.0
Total opportunities	38.0	62.0	25.0	19.0	25.0	9.0	3.0	6.0
Indicator value	**94.8%**	**95.3%**	**95.9%**	**96.0%**	**96.0%**	**96.0%**	**96.4%**	**96.8%**

Licensee Comments: none

ERO Drill Participation

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
Participating Key personnel	102.0	103.0	103.0	106.0	105.0	97.0	95.0	94.0
Total Key personnel	105.0	103.0	104.0	106.0	105.0	99.0	96.0	95.0
Indicator value	**97.1%**	**100.0%**	**99.0%**	**100.0%**	**100.0%**	**98.0%**	**99.0%**	**98.9%**

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	184	186	186	186	186	186	186	184
Total sirens-tests	186	186	186	186	186	186	186	186
Indicator value	**99.7%**	**99.7%**	**99.7%**	**99.7%**	**100.0%**	**100.0%**	**100.0%**	**99.7%**

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

Fermi 2

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	1.0	0	0	0	0	1.0	1.0	0
Critical hours	1897.2	2209.0	2159.0	2184.0	2164.0	1122.9	2135.3	2184.0
Indicator value	**1.9**	**1.9**	**1.9**	**0.8**	**0**	**0.9**	**1.8**	**1.8**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
Unplanned power changes	1.0	0	0	0	0	1.0	0	0
Critical hours	1897.2	2209.0	2159.0	2184.0	2164.0	1122.9	2135.3	2184.0
Indicator value	**1.9**	**1.9**	**1.9**	**0.8**	**0**	**0.9**	**0.9**	**0.9**

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 (BWR)

Thresholds: White > 6.0

Notes

Safety System Functional Failures (BWR)	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
Safety System Functional Failures	0	1	0	0	0	0	0	2
Indicator value	**0**	**1**	**1**	**1**	**1**	**0**	**0**	**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/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
UAI (ΔCDF)	5.60E-08	1.30E-07	1.60E-07	1.70E-07	1.30E-07	9.30E-08	1.50E-07	1.80E-07
URI (ΔCDF)	-1.30E-06	-1.30E-06	3.30E-07	1.50E-07	-9.30E-08	-1.40E-07	-1.40E-07	-1.40E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.24E-06**	**-1.17E-06**	**4.90E-07**	**3.20E-07**	**3.70E-08**	**-4.70E-08**	**1.00E-08**	**4.00E-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/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
UAI (ΔCDF)	-2.30E-09	2.20E-08	2.20E-08	-1.50E-08	-1.50E-08	-1.50E-08	-1.50E-08	-2.30E-08
URI (ΔCDF)	-5.00E-08	-5.10E-08	-5.10E-08	-5.00E-08	-4.80E-08	-4.70E-08	-4.70E-08	-4.60E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-5.23E-08**	**-2.90E-08**	**-2.90E-08**	**-6.50E-08**	**-6.30E-08**	**-6.20E-08**	**-6.20E-08**	**-6.90E-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	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
UAI (ΔCDF)	-6.60E-09	-7.90E-09	1.70E-08	1.70E-08	9.30E-08	1.60E-07	1.20E-07	1.50E-07
URI (ΔCDF)	-7.60E-08	-7.50E-08	-7.60E-08	-7.60E-08	-8.20E-08	-8.40E-08	-8.10E-08	-8.10E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-8.26E-08**	**-8.29E-08**	**-5.90E-08**	**-5.90E-08**	**1.10E-08**	**7.60E-08**	**3.90E-08**	**6.90E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System

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

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
UAI (ΔCDF)	4.00E-08	3.50E-08	7.30E-08	7.10E-08	2.80E-08	3.00E-08	3.20E-08	2.80E-08
URI (ΔCDF)	-1.20E-07	-1.20E-07	-1.20E-07	-1.20E-07	-1.70E-07	-1.70E-07	-2.30E-07	-2.30E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-8.00E-08**	**-8.50E-08**	**-4.70E-08**	**-4.90E-08**	**-1.42E-07**	**-1.40E-07**	**-1.98E-07**	**-2.02E-07**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
UAI (ΔCDF)	4.10E-08	7.40E-08	7.40E-08	9.90E-08	1.30E-08	1.60E-08	8.60E-08	8.30E-08
URI (ΔCDF)	-1.00E-07	-1.00E-07	-1.00E-07	-1.00E-07	-1.00E-07	-1.00E-07	-1.00E-07	-1.00E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-5.90E-08**	**-2.60E-08**	**-2.60E-08**	**-1.00E-09**	**-8.70E-08**	**-8.40E-08**	**-1.40E-08**	**-1.70E-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	0.000034	0.000039	0.000031	0.000032	0.000051	0.000031	0.000032	0.000046	0.000050	0.000060	0.000049	0.000047
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Activity	**7/07**	**8/07**	**9/07**	**10/07**	**11/07**	**12/07**	**1/08**	**2/08**	**3/08**	**4/08**	**5/08**	**6/08**
Maximum activity	0.000051	0.000074	0.000068	N/A	N/A	0.000047	0.000056	0.000040	0.000046	0.000048	0.000049	0.000056
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**N/A**	**N/A**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	7/06	8/06	9/06	10/06	11/06	12/06	1/07	2/07	3/07	4/07	5/07	6/07
Maximum leakage	1.840	1.860	1.810	1.800	1.810	1.800	1.820	1.890	1.920	1.950	1.900	1.940
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**7.4**	**7.4**	**7.2**	**7.2**	**7.2**	**7.2**	**7.3**	**7.6**	**7.7**	**7.8**	**7.6**	**7.8**

Reactor Coolant System Leakage	7/07	8/07	9/07	10/07	11/07	12/07	1/08	2/08	3/08	4/08	5/08	6/08
Maximum leakage	1.910	1.900	1.910	N/A	1.810	1.620	1.600	1.600	1.610	1.610	1.610	1.610
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**7.6**	**7.6**	**7.6**	**N/A**	**7.2**	**6.5**	**6.4**	**6.4**	**6.4**	**6.4**	**6.4**	**6.4**

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	60.0	25.0	18.0	25.0	8.0	2.0	6.0	74.0
Total opportunities	62.0	25.0	19.0	25.0	9.0	3.0	6.0	78.0
Indicator value	**95.3%**	**95.9%**	**96.0%**	**96.0%**	**96.0%**	**96.4%**	**96.8%**	**96.0%**

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	103.0	103.0	106.0	105.0	97.0	95.0	94.0	90.0
Total Key personnel	103.0	104.0	106.0	105.0	99.0	96.0	95.0	94.0
Indicator value	**100.0%**	**99.0%**	**100.0%**	**100.0%**	**98.0%**	**99.0%**	**98.9%**	**95.7%**

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	186	186	186	186	186	186	184	186
Total sirens-tests	186	186	186	186	186	186	186	186
Indicator value	**99.7%**	**99.7%**	**99.7%**	**100.0%**	**100.0%**	**100.0%**	**99.7%**	**99.7%**

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.

Fermi 2

3Q/2008 Performance Indicators

Licensee's General Comments: The revised MS06 data reflects the change of a 2004 Emergency Diesel Generator (EDG) failure from a start failure to a run failure, prompted by an NRC review. The revised MS08 data reflects a plus 52.86 hour change in July 2007 unavailability hours made to the Reactor Core Isolation Cooling (RCIC) system. Neither change impacted the color of the indicator.

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
Unplanned scrams	0	0	0	0	1.0	1.0	0	0
Critical hours	2209.0	2159.0	2184.0	2164.0	1122.9	2135.3	2184.0	2208.0
Indicator value	**1.9**	**1.9**	**0.8**	**0**	**0.9**	**1.8**	**1.8**	**1.8**

Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
Unplanned power changes	0	0	0	0	1.0	0	0	0
Critical hours	2209.0	2159.0	2184.0	2164.0	1122.9	2135.3	2184.0	2208.0
Indicator value	**1.9**	**1.9**	**0.8**	**0**	**0.9**	**0.9**	**0.9**	**0.9**

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

Thresholds: White > 6.0

Notes

Safety System Functional Failures (BWR)	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
Safety System Functional Failures	1	0	0	0	0	0	2	0
Indicator value	**1**	**1**	**1**	**1**	**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	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
UAI (ΔCDF)	1.30E-07	1.60E-07	1.70E-07	1.30E-07	9.30E-08	1.50E-07	1.80E-07	1.40E-07
URI (ΔCDF)	4.30E-08	5.70E-07	3.90E-07	-9.30E-08	-1.40E-07	-1.40E-07	-1.40E-07	-3.20E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.73E-07**	**7.30E-07**	**5.60E-07**	**3.70E-08**	**-4.70E-08**	**1.00E-08**	**4.00E-08**	**1.08E-07**

Licensee Comments:

2Q/07: Risk Cap Invoked.

1Q/07: Risk Cap Invoked.

4Q/06: Verified and entered new UABLP and UABLU for 2002 -2004 baseline period.

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)	2.20E-08	2.20E-08	-1.50E-08	-1.50E-08	-1.50E-08	-1.50E-08	-2.30E-08	-2.30E-08
URI (ΔCDF)	-5.10E-08	-5.10E-08	-5.00E-08	-4.80E-08	-4.70E-08	-4.70E-08	-4.60E-08	-4.60E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.90E-08**	**-2.90E-08**	**-6.50E-08**	**-6.30E-08**	**-6.20E-08**	**-6.20E-08**	**-6.90E-08**	**-6.90E-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/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08
UAI (ΔCDF)	-7.90E-09	1.70E-08	1.70E-08	1.30E-07	1.90E-07	1.90E-07	1.80E-07	1.80E-07
URI (ΔCDF)	-7.50E-08	-7.60E-08	-7.60E-08	-8.20E-08	-8.40E-08	-8.10E-08	-8.10E-08	-8.10E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-8.29E-08**	**-5.90E-08**	**-5.90E-08**	**4.80E-08**	**1.06E-07**	**1.09E-07**	**9.90E-08**	**9.90E-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	**4Q/06**	**1Q/07**	**2Q/07**	**3Q/07**	**4Q/07**	**1Q/08**	**2Q/08**	**3Q/08**
UAI (ΔCDF)	3.50E-08	7.30E-08	7.10E-08	2.80E-08	3.00E-08	3.20E-08	2.80E-08	2.50E-08
URI (ΔCDF)	-1.20E-07	-1.20E-07	-1.20E-07	-1.70E-07	-1.70E-07	-2.30E-07	-2.30E-07	-2.30E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-8.50E-08**	**-4.70E-08**	**-4.90E-08**	**-1.42E-07**	**-1.40E-07**	**-1.98E-07**	**-2.02E-07**	**-2.05E-07**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**4Q/06**	**1Q/07**	**2Q/07**	**3Q/07**	**4Q/07**	**1Q/08**	**2Q/08**	**3Q/08**
UAI (ΔCDF)	7.40E-08	7.40E-08	9.90E-08	1.30E-08	1.60E-08	8.60E-08	8.30E-08	5.80E-08
URI (ΔCDF)	-1.00E-07	-1.00E-07	-1.00E-07	-1.00E-07	-1.00E-07	-1.00E-07	-1.00E-07	-1.00E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.60E-08**	**-2.60E-08**	**-1.00E-09**	**-8.70E-08**	**-8.40E-08**	**-1.40E-08**	**-1.70E-08**	**-4.20E-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	0.000032	0.000051	0.000031	0.000032	0.000046	0.000050	0.000060	0.000049	0.000047	0.000051	0.000074	0.000068
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Activity	10/07	11/07	12/07	1/08	2/08	3/08	4/08	5/08	6/08	7/08	8/08	9/08
Maximum activity	N/A	N/A	0.000047	0.000056	0.000040	0.000046	0.000048	0.000049	0.000056	0.000050	0.000044	0.000041
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**N/A**	**N/A**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	10/06	11/06	12/06	1/07	2/07	3/07	4/07	5/07	6/07	7/07	8/07	9/07
Maximum leakage	1.800	1.810	1.800	1.820	1.890	1.920	1.950	1.900	1.940	1.910	1.900	1.910
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**7.2**	**7.2**	**7.2**	**7.3**	**7.6**	**7.7**	**7.8**	**7.6**	**7.8**	**7.6**	**7.6**	**7.6**
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	N/A	1.810	1.620	1.600	1.600	1.610	1.610	1.610	1.610	1.610	1.610	1.600
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**N/A**	**7.2**	**6.5**	**6.4**	**6.4**	**6.4**	**6.4**	**6.4**	**6.4**	**6.4**	**6.4**	**6.4**

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	25.0	18.0	25.0	8.0	2.0	6.0	74.0	27.0
Total opportunities	25.0	19.0	25.0	9.0	3.0	6.0	78.0	28.0
Indicator value	**95.9%**	**96.0%**	**96.0%**	**96.0%**	**96.4%**	**96.8%**	**96.0%**	**95.9%**

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	103.0	106.0	105.0	97.0	95.0	94.0	90.0	93.0
Total Key personnel	104.0	106.0	105.0	99.0	96.0	95.0	94.0	95.0
Indicator value	**99.0%**	**100.0%**	**100.0%**	**98.0%**	**99.0%**	**98.9%**	**95.7%**	**97.9%**

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	186	186	186	186	186	184	186	186
Total sirens-tests	186	186	186	186	186	186	186	186
Indicator value	**99.7%**	**99.7%**	**100.0%**	**100.0%**	**100.0%**	**99.7%**	**99.7%**	**99.7%**

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

Fermi 2

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	1.0	1.0	0	0	0
Critical hours	2159.0	2184.0	2164.0	1122.9	2135.3	2184.0	2208.0	2209.0
Indicator value	**1.9**	**0.8**	**0**	**0.9**	**1.8**	**1.8**	**1.8**	**0.8**

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	0	0	0	1.0	0	0	0	0
Critical hours	2159.0	2184.0	2164.0	1122.9	2135.3	2184.0	2208.0	2209.0
Indicator value	**1.9**	**0.8**	**0**	**0.9**	**0.9**	**0.9**	**0.9**	**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

Thresholds: White > 6.0

Notes

Safety System Functional Failures (BWR)	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
Safety System Functional Failures	0	0	0	0	0	2	0	0
Indicator value	**1**	**1**	**1**	**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	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
UAI (ΔCDF)	1.60E-07	1.70E-07	1.30E-07	9.30E-08	1.50E-07	1.80E-07	1.40E-07	1.10E-07
URI (ΔCDF)	5.70E-07	3.90E-07	-9.30E-08	-1.40E-07	-1.40E-07	-1.40E-07	-3.20E-08	-1.50E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**7.30E-07**	**5.60E-07**	**3.70E-08**	**-4.70E-08**	**1.00E-08**	**4.00E-08**	**1.08E-07**	**-4.00E-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/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
UAI (ΔCDF)	2.20E-08	-1.50E-08	-1.50E-08	-1.50E-08	-1.50E-08	-2.30E-08	-2.30E-08	-1.50E-08
URI (ΔCDF)	-5.10E-08	-5.00E-08	-4.80E-08	-4.70E-08	-4.70E-08	-4.60E-08	-4.60E-08	-4.70E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.90E-08**	**-6.50E-08**	**-6.30E-08**	**-6.20E-08**	**-6.20E-08**	**-6.90E-08**	**-6.90E-08**	**-6.20E-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/07**	**2Q/07**	**3Q/07**	**4Q/07**	**1Q/08**	**2Q/08**	**3Q/08**	**4Q/08**
UAI (ΔCDF)	1.70E-08	1.70E-08	1.30E-07	1.90E-07	1.90E-07	1.80E-07	1.80E-07	1.80E-07
URI (ΔCDF)	-7.60E-08	-7.60E-08	-8.20E-08	-8.40E-08	-8.10E-08	-8.10E-08	-8.10E-08	-8.10E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-5.90E-08**	**-5.90E-08**	**4.80E-08**	**1.06E-07**	**1.09E-07**	**9.90E-08**	**9.90E-08**	**9.90E-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	**1Q/07**	**2Q/07**	**3Q/07**	**4Q/07**	**1Q/08**	**2Q/08**	**3Q/08**	**4Q/08**
UAI (ΔCDF)	7.30E-08	7.10E-08	2.80E-08	3.00E-08	3.20E-08	2.80E-08	2.50E-08	-2.20E-08
URI (ΔCDF)	-1.20E-07	-1.20E-07	-1.70E-07	-1.70E-07	-2.30E-07	-2.30E-07	-2.30E-07	-2.30E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-4.70E-08**	**-4.90E-08**	**-1.42E-07**	**-1.40E-07**	**-1.98E-07**	**-2.02E-07**	**-2.05E-07**	**-2.52E-07**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
UAI (ΔCDF)	7.40E-08	9.90E-08	1.30E-08	1.60E-08	8.60E-08	8.30E-08	5.80E-08	6.70E-08
URI (ΔCDF)	-1.00E-07	-1.00E-07	-1.00E-07	-1.00E-07	-1.00E-07	-1.00E-07	-1.00E-07	-1.00E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.60E-08**	**-1.00E-09**	**-8.70E-08**	**-8.40E-08**	**-1.40E-08**	**-1.70E-08**	**-4.20E-08**	**-3.30E-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	0.000032	0.000046	0.000050	0.000060	0.000049	0.000047	0.000051	0.000074	0.000068	N/A	N/A	0.000047
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**N/A**	**N/A**	**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	0.000056	0.000040	0.000046	0.000048	0.000049	0.000056	0.000050	0.000044	0.000041	0.000045	0.000038	0.000040
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**1/07**	**2/07**	**3/07**	**4/07**	**5/07**	**6/07**	**7/07**	**8/07**	**9/07**	**10/07**	**11/07**	**12/07**
Maximum leakage	1.820	1.890	1.920	1.950	1.900	1.940	1.910	1.900	1.910	N/A	1.810	1.620
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**7.3**	**7.6**	**7.7**	**7.8**	**7.6**	**7.8**	**7.6**	**7.6**	**7.6**	**N/A**	**7.2**	**6.5**
Reactor Coolant System Leakage	**1/08**	**2/08**	**3/08**	**4/08**	**5/08**	**6/08**	**7/08**	**8/08**	**9/08**	**10/08**	**11/08**	**12/08**
Maximum leakage	1.600	1.600	1.610	1.610	1.610	1.610	1.610	1.610	1.600	1.600	1.620	1.870
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.4**	**6.4**	**6.4**	**6.4**	**6.4**	**6.4**	**6.4**	**6.4**	**6.4**	**6.4**	**6.5**	**7.5**

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	18.0	25.0	8.0	2.0	6.0	74.0	27.0	47.0
Total opportunities	19.0	25.0	9.0	3.0	6.0	78.0	28.0	47.0
Indicator value	**96.0%**	**96.0%**	**96.0%**	**96.4%**	**96.8%**	**96.0%**	**95.9%**	**96.3%**

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	106.0	105.0	97.0	95.0	94.0	90.0	93.0	101.0
Total Key personnel	106.0	105.0	99.0	96.0	95.0	94.0	95.0	113.0
Indicator value	**100.0%**	**100.0%**	**98.0%**	**99.0%**	**98.9%**	**95.7%**	**97.9%**	**89.4%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08
Successful siren-tests	186	186	186	186	184	186	186	185
Total sirens-tests	186	186	186	186	186	186	186	186
Indicator value	**99.7%**	**100.0%**	**100.0%**	**100.0%**	**99.7%**	**99.7%**	**99.7%**	**99.6%**

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

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1Q/2009 Performance Indicators

Licensee's General Comments: Emergency Preparedness indicator data required revision back to February 2008 due to discovery of a licensed individual not listed in the Operations organizational chart. Actions to prevent recurrence of this problem are being taken.

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
Unplanned scrams	0	0	1.0	1.0	0	0	0	1.0
Critical hours	2184.0	2164.0	1122.9	2135.3	2184.0	2208.0	2209.0	2064.8
Indicator value	**0.8**	**0**	**0.9**	**1.8**	**1.8**	**1.8**	**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/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
Unplanned power changes	0	0	1.0	0	0	0	0	0
Critical hours	2184.0	2164.0	1122.9	2135.3	2184.0	2208.0	2209.0	2064.8
Indicator value	**0.8**	**0**	**0.9**	**0.9**	**0.9**	**0.9**	**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 (BWR)

Thresholds: White > 6.0

Notes

Safety System Functional Failures (BWR)	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
Safety System Functional Failures	0	0	0	0	2	0	0	1
Indicator value	**1**	**1**	**0**	**0**	**2**	**2**	**2**	**3**

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System

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

Notes

Mitigating Systems Performance Index, Emergency AC Power System	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
UAI (ΔCDF)	1.70E-07	1.30E-07	9.30E-08	1.50E-07	1.80E-07	1.40E-07	1.10E-07	1.40E-07
URI (ΔCDF)	3.90E-07	-9.30E-08	-1.40E-07	-1.40E-07	-1.40E-07	-3.20E-08	-1.50E-07	-8.80E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**5.60E-07**	**3.70E-08**	**-4.70E-08**	**1.00E-08**	**4.00E-08**	**1.08E-07**	**-4.00E-08**	**5.20E-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/07**	**3Q/07**	**4Q/07**	**1Q/08**	**2Q/08**	**3Q/08**	**4Q/08**	**1Q/09**
UAI (ΔCDF)	-1.50E-08	-1.50E-08	-1.50E-08	-1.50E-08	-2.30E-08	-2.30E-08	-1.50E-08	-1.50E-08
URI (ΔCDF)	-5.00E-08	-4.80E-08	-4.70E-08	-4.70E-08	-4.60E-08	-4.60E-08	-4.70E-08	-4.40E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-6.50E-08**	**-6.30E-08**	**-6.20E-08**	**-6.20E-08**	**-6.90E-08**	**-6.90E-08**	**-6.20E-08**	**-5.90E-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	**2Q/07**	**3Q/07**	**4Q/07**	**1Q/08**	**2Q/08**	**3Q/08**	**4Q/08**	**1Q/09**
UAI (ΔCDF)	1.70E-08	1.30E-07	1.90E-07	1.90E-07	1.80E-07	1.80E-07	1.80E-07	1.80E-07
URI (ΔCDF)	-7.60E-08	-8.20E-08	-8.40E-08	-8.10E-08	-8.10E-08	-8.10E-08	-8.10E-08	-8.10E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-5.90E-08**	**4.80E-08**	**1.06E-07**	**1.09E-07**	**9.90E-08**	**9.90E-08**	**9.90E-08**	**9.90E-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)	7.10E-08	2.80E-08	3.00E-08	3.20E-08	2.80E-08	2.50E-08	-2.20E-08	-2.10E-08
URI (ΔCDF)	-1.20E-07	-1.70E-07	-1.70E-07	-2.30E-07	-2.30E-07	-2.30E-07	-2.30E-07	-2.30E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-4.90E-08**	**-1.42E-07**	**-1.40E-07**	**-1.98E-07**	**-2.02E-07**	**-2.05E-07**	**-2.52E-07**	**-2.51E-07**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
UAI (ΔCDF)	9.90E-08	1.30E-08	1.60E-08	8.60E-08	8.30E-08	5.80E-08	6.70E-08	6.60E-08
URI (ΔCDF)	-1.00E-07	-1.00E-07	-1.00E-07	-1.00E-07	-1.00E-07	-1.00E-07	-1.00E-07	-1.00E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.00E-09**	**-8.70E-08**	**-8.40E-08**	**-1.40E-08**	**-1.70E-08**	**-4.20E-08**	**-3.30E-08**	**-3.40E-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	0.000060	0.000049	0.000047	0.000051	0.000074	0.000068	N/A	N/A	0.000047	0.000056	0.000040	0.000046
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**N/A**	**N/A**	**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	0.000048	0.000049	0.000056	0.000050	0.000044	0.000041	0.000045	0.000038	0.000040	0.000047	0.000039	0.000046
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**4/07**	**5/07**	**6/07**	**7/07**	**8/07**	**9/07**	**10/07**	**11/07**	**12/07**	**1/08**	**2/08**	**3/08**
Maximum leakage	1.950	1.900	1.940	1.910	1.900	1.910	N/A	1.810	1.620	1.600	1.600	1.610
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**7.8**	**7.6**	**7.8**	**7.6**	**7.6**	**7.6**	**N/A**	**7.2**	**6.5**	**6.4**	**6.4**	**6.4**
Reactor Coolant System Leakage	**4/08**	**5/08**	**6/08**	**7/08**	**8/08**	**9/08**	**10/08**	**11/08**	**12/08**	**1/09**	**2/09**	**3/09**
Maximum leakage	1.610	1.610	1.610	1.610	1.610	1.600	1.600	1.620	1.870	1.750	1.600	1.610
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.4**	**6.4**	**6.4**	**6.4**	**6.4**	**6.4**	**6.4**	**6.5**	**7.5**	**7.0**	**6.4**	**6.4**

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	25.0	8.0	2.0	6.0	74.0	27.0	47.0	11.0
Total opportunities	25.0	9.0	3.0	6.0	78.0	28.0	47.0	11.0
Indicator value	**96.0%**	**96.0%**	**96.4%**	**96.8%**	**96.0%**	**95.9%**	**96.3%**	**96.6%**

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	105.0	97.0	95.0	94.0	91.0	94.0	104.0	119.0
Total Key personnel	105.0	99.0	96.0	96.0	96.0	97.0	114.0	119.0
Indicator value	**100.0%**	**98.0%**	**99.0%**	**97.9%**	**94.8%**	**96.9%**	**91.2%**	**100.0%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09
Successful siren-tests	186	186	186	184	186	186	185	185
Total sirens-tests	186	186	186	186	186	186	186	186
Indicator value	**100.0%**	**100.0%**	**100.0%**	**99.7%**	**99.7%**	**99.7%**	**99.6%**	**99.7%**

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

Fermi 2

2Q/2009 Performance Indicators

Licensee's General Comments: The unit was shutdown for refueling during the month of April.

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
Unplanned scrams	0	1.0	1.0	0	0	0	1.0	0
Critical hours	2164.0	1122.9	2135.3	2184.0	2208.0	2209.0	2064.8	1471.9
Indicator value	**0**	**0.9**	**1.8**	**1.8**	**1.8**	**0.8**	**0.8**	**0.9**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
Unplanned power changes	0	1.0	0	0	0	0	0	1.0
Critical hours	2164.0	1122.9	2135.3	2184.0	2208.0	2209.0	2064.8	1471.9
Indicator value	**0**	**0.9**	**0.9**	**0.9**	**0.9**	**0**	**0**	**0.9**

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 (BWR)

Thresholds: White > 6.0

Notes

Safety System Functional Failures (BWR)	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
Safety System Functional Failures	0	0	0	2	0	0	1	0
Indicator value	**1**	**0**	**0**	**2**	**2**	**2**	**3**	**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)	1.30E-07	9.30E-08	1.50E-07	1.80E-07	1.40E-07	1.10E-07	1.40E-07	1.30E-07
URI (ΔCDF)	-9.30E-08	-1.40E-07	-1.40E-07	-1.40E-07	-3.20E-08	-1.50E-07	-8.80E-08	2.80E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**3.70E-08**	**-4.70E-08**	**1.00E-08**	**4.00E-08**	**1.08E-07**	**-4.00E-08**	**5.20E-08**	**4.10E-07**

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System

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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
UAI (ΔCDF)	-1.50E-08	-1.50E-08	-1.50E-08	-2.30E-08	-2.30E-08	-1.50E-08	-1.50E-08	-1.50E-08
URI (ΔCDF)	-4.80E-08	-4.70E-08	-4.70E-08	-4.60E-08	-4.60E-08	-4.70E-08	-4.40E-08	-4.10E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-6.30E-08**	**-6.20E-08**	**-6.20E-08**	**-6.90E-08**	**-6.90E-08**	**-6.20E-08**	**-5.90E-08**	**-5.60E-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	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
UAI (ΔCDF)	1.30E-07	1.90E-07	1.90E-07	1.80E-07	1.80E-07	1.80E-07	1.80E-07	1.80E-07
URI (ΔCDF)	-8.20E-08	-8.40E-08	-8.10E-08	-8.10E-08	-8.10E-08	-8.10E-08	-8.10E-08	-7.60E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**4.80E-08**	**1.06E-07**	**1.09E-07**	**9.90E-08**	**9.90E-08**	**9.90E-08**	**9.90E-08**	**1.04E-07**

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System

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

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
UAI (ΔCDF)	2.80E-08	3.00E-08	3.20E-08	2.80E-08	2.50E-08	-2.20E-08	-2.10E-08	-2.60E-08
URI (ΔCDF)	-1.70E-07	-1.70E-07	-2.30E-07	-2.30E-07	-2.30E-07	-2.30E-07	-2.30E-07	-2.30E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.42E-07**	**-1.40E-07**	**-1.98E-07**	**-2.02E-07**	**-2.05E-07**	**-2.52E-07**	**-2.51E-07**	**-2.56E-07**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
UAI (ΔCDF)	1.30E-08	1.60E-08	8.60E-08	8.30E-08	5.80E-08	6.70E-08	6.60E-08	6.30E-08
URI (ΔCDF)	-1.00E-07	-1.00E-07	-1.00E-07	-1.00E-07	-1.00E-07	-1.00E-07	-1.00E-07	-1.00E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-8.70E-08**	**-8.40E-08**	**-1.40E-08**	**-1.70E-08**	**-4.20E-08**	**-3.30E-08**	**-3.40E-08**	**-3.70E-08**

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	0.000051	0.000074	0.000068	N/A	N/A	0.000047	0.000056	0.000040	0.000046	0.000048	0.000049	0.000056
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**N/A**	**N/A**	**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	0.000050	0.000044	0.000041	0.000045	0.000038	0.000040	0.000047	0.000039	0.000046	N/A	0.000033	0.000044
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**N/A**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**7/07**	**8/07**	**9/07**	**10/07**	**11/07**	**12/07**	**1/08**	**2/08**	**3/08**	**4/08**	**5/08**	**6/08**
Maximum leakage	1.910	1.900	1.910	N/A	1.810	1.620	1.600	1.600	1.610	1.610	1.610	1.610
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**7.6**	**7.6**	**7.6**	**N/A**	**7.2**	**6.5**	**6.4**	**6.4**	**6.4**	**6.4**	**6.4**	**6.4**
Reactor Coolant System Leakage	**7/08**	**8/08**	**9/08**	**10/08**	**11/08**	**12/08**	**1/09**	**2/09**	**3/09**	**4/09**	**5/09**	**6/09**
Maximum leakage	1.610	1.610	1.600	1.600	1.620	1.870	1.750	1.600	1.610	1.450	1.630	1.630
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.4**	**6.4**	**6.4**	**6.4**	**6.5**	**7.5**	**7.0**	**6.4**	**6.4**	**5.8**	**6.5**	**6.5**

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	8.0	2.0	6.0	74.0	27.0	47.0	11.0	35.0
Total opportunities	9.0	3.0	6.0	78.0	28.0	47.0	11.0	37.0
Indicator value	**96.0%**	**96.4%**	**96.8%**	**96.0%**	**95.9%**	**96.3%**	**96.6%**	**95.9%**

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	97.0	95.0	94.0	91.0	94.0	104.0	119.0	121.0
Total Key personnel	99.0	96.0	96.0	96.0	97.0	114.0	119.0	121.0
Indicator value	**98.0%**	**99.0%**	**97.9%**	**94.8%**	**96.9%**	**91.2%**	**100.0%**	**100.0%**

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	186	186	184	186	186	185	185	186
Total sirens-tests	186	186	186	186	186	186	186	186
Indicator value	**100.0%**	**100.0%**	**99.7%**	**99.7%**	**99.7%**	**99.6%**	**99.7%**	**99.7%**

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

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3Q/2009 Performance Indicators

Licensee's General Comments: Corrected a small error (15.57 hrs) in June 2009 MSPI unavailability for MS10 caused by a misapplication of WANO reporting criteria to MSPI data; no impact on the indicator color.

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
Unplanned scrams	1.0	1.0	0	0	0	1.0	0	1.0
Critical hours	1122.9	2135.3	2184.0	2208.0	2209.0	2064.8	1471.9	2195.1
Indicator value	**0.9**	**1.8**	**1.8**	**1.8**	**0.8**	**0.8**	**0.9**	**1.8**

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	1.0	0	0	0	0	0	1.0	1.0
Critical hours	1122.9	2135.3	2184.0	2208.0	2209.0	2064.8	1471.9	2195.1
Indicator value	**0.9**	**0.9**	**0.9**	**0.9**	**0**	**0**	**0.9**	**1.8**

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 (BWR)

Thresholds: White > 6.0

Notes

Safety System Functional Failures (BWR)	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
Safety System Functional Failures	0	0	2	0	0	1	0	0
Indicator value	**0**	**0**	**2**	**2**	**2**	**3**	**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)	9.30E-08	1.50E-07	1.80E-07	1.40E-07	1.10E-07	1.40E-07	1.30E-07	1.60E-07
URI (ΔCDF)	-1.40E-07	-1.40E-07	-1.40E-07	-3.20E-08	-1.50E-07	-8.80E-08	2.80E-07	3.30E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-4.70E-08**	**1.00E-08**	**4.00E-08**	**1.08E-07**	**-4.00E-08**	**5.20E-08**	**4.10E-07**	**4.90E-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/07**	**1Q/08**	**2Q/08**	**3Q/08**	**4Q/08**	**1Q/09**	**2Q/09**	**3Q/09**
UAI (ΔCDF)	-1.50E-08	-1.50E-08	-2.30E-08	-2.30E-08	-1.50E-08	-1.50E-08	-1.50E-08	-1.50E-08
URI (ΔCDF)	-4.70E-08	-4.70E-08	-4.60E-08	-4.60E-08	-4.70E-08	-4.40E-08	-4.10E-08	-3.90E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-6.20E-08**	**-6.20E-08**	**-6.90E-08**	**-6.90E-08**	**-6.20E-08**	**-5.90E-08**	**-5.60E-08**	**-5.40E-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/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
UAI (ΔCDF)	1.90E-07	1.90E-07	1.80E-07	1.80E-07	1.80E-07	1.80E-07	1.80E-07	1.70E-07
URI (ΔCDF)	-8.40E-08	-8.10E-08	-8.10E-08	-8.10E-08	-8.10E-08	-8.10E-08	-7.60E-08	-7.40E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.06E-07**	**1.09E-07**	**9.90E-08**	**9.90E-08**	**9.90E-08**	**9.90E-08**	**1.04E-07**	**9.60E-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	**4Q/07**	**1Q/08**	**2Q/08**	**3Q/08**	**4Q/08**	**1Q/09**	**2Q/09**	**3Q/09**
UAI (ΔCDF)	3.00E-08	3.20E-08	2.80E-08	2.50E-08	-2.20E-08	-2.10E-08	-2.60E-08	-6.20E-08
URI (ΔCDF)	-1.70E-07	-2.30E-07	-2.30E-07	-2.30E-07	-2.30E-07	-2.30E-07	-2.30E-07	-2.30E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.40E-07**	**-1.98E-07**	**-2.02E-07**	**-2.05E-07**	**-2.52E-07**	**-2.51E-07**	**-2.56E-07**	**-2.92E-07**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**4Q/07**	**1Q/08**	**2Q/08**	**3Q/08**	**4Q/08**	**1Q/09**	**2Q/09**	**3Q/09**
UAI (ΔCDF)	1.60E-08	8.60E-08	8.30E-08	5.80E-08	6.70E-08	6.60E-08	9.00E-08	9.70E-08
URI (ΔCDF)	-1.00E-07	-1.00E-07	-1.00E-07	-1.00E-07	-1.00E-07	-1.00E-07	-1.00E-07	-1.00E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-8.40E-08**	**-1.40E-08**	**-1.70E-08**	**-4.20E-08**	**-3.30E-08**	**-3.40E-08**	**-1.00E-08**	**-3.00E-09**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**10/07**	**11/07**	**12/07**	**1/08**	**2/08**	**3/08**	**4/08**	**5/08**	**6/08**	**7/08**	**8/08**	**9/08**
Maximum activity	N/A	N/A	0.000047	0.000056	0.000040	0.000046	0.000048	0.000049	0.000056	0.000050	0.000044	0.000041
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**N/A**	**N/A**	**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	0.000045	0.000038	0.000040	0.000047	0.000039	0.000046	N/A	0.000033	0.000044	0.000040	0.000036	0.000036
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**N/A**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**10/07**	**11/07**	**12/07**	**1/08**	**2/08**	**3/08**	**4/08**	**5/08**	**6/08**	**7/08**	**8/08**	**9/08**
Maximum leakage	N/A	1.810	1.620	1.600	1.600	1.610	1.610	1.610	1.610	1.610	1.610	1.600
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**N/A**	**7.2**	**6.5**	**6.4**	**6.4**	**6.4**	**6.4**	**6.4**	**6.4**	**6.4**	**6.4**	**6.4**
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	1.600	1.620	1.870	1.750	1.600	1.610	1.450	1.630	1.630	1.630	1.630	1.630
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.4**	**6.5**	**7.5**	**7.0**	**6.4**	**6.4**	**5.8**	**6.5**	**6.5**	**6.5**	**6.5**	**6.5**

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	2.0	6.0	74.0	27.0	47.0	11.0	35.0	31.0
Total opportunities	3.0	6.0	78.0	28.0	47.0	11.0	37.0	33.0
Indicator value	**96.4%**	**96.8%**	**96.0%**	**95.9%**	**96.3%**	**96.6%**	**95.9%**	**95.9%**

Licensee Comments: none

ERO Drill Participation

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09
Participating Key personnel	95.0	94.0	91.0	94.0	104.0	119.0	121.0	117.0
Total Key personnel	96.0	96.0	96.0	97.0	114.0	119.0	121.0	120.0
Indicator value	**99.0%**	**97.9%**	**94.8%**	**96.9%**	**91.2%**	**100.0%**	**100.0%**	**97.5%**

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	186	184	186	186	185	185	186	186
Total sirens-tests	186	186	186	186	186	186	186	186
Indicator value	**100.0%**	**99.7%**	**99.7%**	**99.7%**	**99.6%**	**99.7%**	**99.7%**	**99.7%**

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

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

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4Q/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	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
Unplanned scrams	1.0	0	0	0	1.0	0	1.0	0
Critical hours	2135.3	2184.0	2208.0	2209.0	2064.8	1471.9	2195.1	1218.3
Indicator value	**1.8**	**1.8**	**1.8**	**0.8**	**0.8**	**0.9**	**1.8**	**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/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
Unplanned power changes	0	0	0	0	0	1.0	1.0	0
Critical hours	2135.3	2184.0	2208.0	2209.0	2064.8	1471.9	2195.1	1218.3
Indicator value	**0.9**	**0.9**	**0.9**	**0**	**0**	**0.9**	**1.8**	**2.0**

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 (BWR)

Thresholds: White > 6.0

Notes

Safety System Functional Failures (BWR)	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
Safety System Functional Failures	0	2	0	0	1	0	0	0
Indicator value	**0**	**2**	**2**	**2**	**3**	**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/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
UAI (ΔCDF)	1.50E-07	1.80E-07	1.40E-07	1.10E-07	1.40E-07	1.30E-07	1.60E-07	9.90E-08
URI (ΔCDF)	-1.40E-07	-1.40E-07	-3.20E-08	-1.50E-07	-8.80E-08	2.80E-07	3.30E-07	3.50E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.00E-08**	**4.00E-08**	**1.08E-07**	**-4.00E-08**	**5.20E-08**	**4.10E-07**	**4.90E-07**	**4.49E-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/08**	**2Q/08**	**3Q/08**	**4Q/08**	**1Q/09**	**2Q/09**	**3Q/09**	**4Q/09**
UAI (ΔCDF)	-1.50E-08	-2.30E-08	-2.30E-08	-1.50E-08	-1.50E-08	-1.50E-08	-1.50E-08	-1.50E-08
URI (ΔCDF)	-4.70E-08	-4.60E-08	-4.60E-08	-4.70E-08	-4.40E-08	-4.10E-08	-3.90E-08	-3.80E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-6.20E-08**	**-6.90E-08**	**-6.90E-08**	**-6.20E-08**	**-5.90E-08**	**-5.60E-08**	**-5.40E-08**	**-5.30E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System

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

Notes

Mitigating Systems Performance Index, Heat Removal System	**1Q/08**	**2Q/08**	**3Q/08**	**4Q/08**	**1Q/09**	**2Q/09**	**3Q/09**	**4Q/09**
UAI (ΔCDF)	1.90E-07	1.80E-07	1.80E-07	1.80E-07	1.80E-07	1.80E-07	1.70E-07	1.70E-07
URI (ΔCDF)	-8.10E-08	-8.10E-08	-8.10E-08	-8.10E-08	-8.10E-08	-7.60E-08	-7.40E-08	-7.60E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.09E-07**	**9.90E-08**	**9.90E-08**	**9.90E-08**	**9.90E-08**	**1.04E-07**	**9.60E-08**	**9.40E-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	**1Q/08**	**2Q/08**	**3Q/08**	**4Q/08**	**1Q/09**	**2Q/09**	**3Q/09**	**4Q/09**
UAI (ΔCDF)	3.20E-08	2.80E-08	2.50E-08	-2.20E-08	-2.10E-08	-2.60E-08	-6.20E-08	-6.10E-08
URI (ΔCDF)	-2.30E-07	-2.30E-07	-2.30E-07	-2.30E-07	-2.30E-07	-2.30E-07	-2.30E-07	-2.30E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.98E-07**	**-2.02E-07**	**-2.05E-07**	**-2.52E-07**	**-2.51E-07**	**-2.56E-07**	**-2.92E-07**	**-2.91E-07**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**1Q/08**	**2Q/08**	**3Q/08**	**4Q/08**	**1Q/09**	**2Q/09**	**3Q/09**	**4Q/09**
UAI (ΔCDF)	8.60E-08	8.30E-08	5.80E-08	6.70E-08	6.60E-08	9.00E-08	9.70E-08	9.70E-08
URI (ΔCDF)	-1.00E-07	-1.00E-07	-1.00E-07	-1.00E-07	-1.00E-07	-1.00E-07	-1.00E-07	-1.00E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.40E-08**	**-1.70E-08**	**-4.20E-08**	**-3.30E-08**	**-3.40E-08**	**-1.00E-08**	**-3.00E-09**	**-3.00E-09**

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	0.000056	0.000040	0.000046	0.000048	0.000049	0.000056	0.000050	0.000044	0.000041	0.000045	0.000038	0.000040
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Activity	**1/09**	**2/09**	**3/09**	**4/09**	**5/09**	**6/09**	**7/09**	**8/09**	**9/09**	**10/09**	**11/09**	**12/09**
Maximum activity	0.000047	0.000039	0.000046	N/A	0.000033	0.000044	0.000040	0.000036	0.000036	N/A	0.000020	0.000024
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**N/A**	**0**	**0**	**0**	**0**	**0**	**N/A**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	1/08	2/08	3/08	4/08	5/08	6/08	7/08	8/08	9/08	10/08	11/08	12/08
Maximum leakage	1.600	1.600	1.610	1.610	1.610	1.610	1.610	1.610	1.600	1.600	1.620	1.870
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.4**	**6.4**	**6.4**	**6.4**	**6.4**	**6.4**	**6.4**	**6.4**	**6.4**	**6.4**	**6.5**	**7.5**
Reactor Coolant System Leakage	**1/09**	**2/09**	**3/09**	**4/09**	**5/09**	**6/09**	**7/09**	**8/09**	**9/09**	**10/09**	**11/09**	**12/09**
Maximum leakage	1.750	1.600	1.610	1.450	1.630	1.630	1.630	1.630	1.630	0.530	1.630	1.630
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**7.0**	**6.4**	**6.4**	**5.8**	**6.5**	**6.5**	**6.5**	**6.5**	**6.5**	**2.1**	**6.5**	**6.5**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09
Successful opportunities	6.0	74.0	27.0	47.0	11.0	35.0	31.0	14.0
Total opportunities	6.0	78.0	28.0	47.0	11.0	37.0	33.0	14.0
Indicator value	**96.8%**	**96.0%**	**95.9%**	**96.3%**	**96.6%**	**95.9%**	**95.9%**	**96.5%**

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	94.0	91.0	94.0	104.0	119.0	121.0	117.0	113.0
Total Key personnel	96.0	96.0	97.0	114.0	119.0	121.0	120.0	117.0
Indicator value	**97.9%**	**94.8%**	**96.9%**	**91.2%**	**100.0%**	**100.0%**	**97.5%**	**96.6%**

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	184	186	186	185	185	186	186	185
Total sirens-tests	186	186	186	186	186	186	186	186
Indicator value	**99.7%**	**99.7%**	**99.7%**	**99.6%**	**99.7%**	**99.7%**	**99.7%**	**99.7%**

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

Fermi 2

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	0	1.0	0	1.0	0	1.0
Critical hours	2184.0	2208.0	2209.0	2064.8	1471.9	2195.1	1218.3	2104.4
Indicator value	**1.8**	**1.8**	**0.8**	**0.8**	**0.9**	**1.8**	**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/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
Unplanned power changes	0	0	0	0	1.0	1.0	0	0
Critical hours	2184.0	2208.0	2209.0	2064.8	1471.9	2195.1	1218.3	2104.4
Indicator value	**0.9**	**0.9**	**0**	**0**	**0.9**	**1.8**	**2.0**	**2.0**

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 (BWR)

Thresholds: White > 6.0

Notes

Safety System Functional Failures (BWR)	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
Safety System Functional Failures	2	0	0	1	0	0	0	0
Indicator value	**2**	**2**	**2**	**3**	**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	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10
UAI (ΔCDF)	1.80E-07	1.40E-07	1.10E-07	1.40E-07	1.30E-07	1.60E-07	9.90E-08	1.24E-07
URI (ΔCDF)	-1.40E-07	-3.20E-08	-1.50E-07	-8.80E-08	2.80E-07	3.30E-07	3.50E-07	-1.38E-06
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**4.00E-08**	**1.08E-07**	**-4.00E-08**	**5.20E-08**	**4.10E-07**	**4.90E-07**	**4.49E-07**	**-1.30E-06**

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System

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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**2Q/08**	**3Q/08**	**4Q/08**	**1Q/09**	**2Q/09**	**3Q/09**	**4Q/09**	**1Q/10**
UAI (ΔCDF)	-2.30E-08	-2.30E-08	-1.50E-08	-1.50E-08	-1.50E-08	-1.50E-08	-1.50E-08	-1.48E-08
URI (ΔCDF)	-4.60E-08	-4.60E-08	-4.70E-08	-4.40E-08	-4.10E-08	-3.90E-08	-3.80E-08	-3.84E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-6.90E-08**	**-6.90E-08**	**-6.20E-08**	**-5.90E-08**	**-5.60E-08**	**-5.40E-08**	**-5.30E-08**	**-5.30E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System

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

Notes

Mitigating Systems Performance Index, Heat Removal System	**2Q/08**	**3Q/08**	**4Q/08**	**1Q/09**	**2Q/09**	**3Q/09**	**4Q/09**	**1Q/10**
UAI (ΔCDF)	1.80E-07	1.80E-07	1.80E-07	1.80E-07	1.80E-07	1.70E-07	1.70E-07	1.50E-07
URI (ΔCDF)	-8.10E-08	-8.10E-08	-8.10E-08	-8.10E-08	-7.60E-08	-7.40E-08	-7.60E-08	-7.25E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**9.90E-08**	**9.90E-08**	**9.90E-08**	**9.90E-08**	**1.04E-07**	**9.60E-08**	**9.40E-08**	**7.80E-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/08**	**3Q/08**	**4Q/08**	**1Q/09**	**2Q/09**	**3Q/09**	**4Q/09**	**1Q/10**
UAI (ΔCDF)	2.80E-08	2.50E-08	-2.20E-08	-2.10E-08	-2.60E-08	-6.20E-08	-6.10E-08	-6.16E-08
URI (ΔCDF)	-2.30E-07	-2.30E-07	-2.30E-07	-2.30E-07	-2.30E-07	-2.30E-07	-2.30E-07	-2.29E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.02E-07**	**-2.05E-07**	**-2.52E-07**	**-2.51E-07**	**-2.56E-07**	**-2.92E-07**	**-2.91E-07**	**-2.90E-07**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**2Q/08**	**3Q/08**	**4Q/08**	**1Q/09**	**2Q/09**	**3Q/09**	**4Q/09**	**1Q/10**
UAI (ΔCDF)	8.30E-08	5.80E-08	6.70E-08	6.60E-08	9.00E-08	9.70E-08	9.70E-08	9.81E-08
URI (ΔCDF)	-1.00E-07	-1.00E-07	-1.00E-07	-1.00E-07	-1.00E-07	-1.00E-07	-1.00E-07	-1.02E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.70E-08**	**-4.20E-08**	**-3.30E-08**	**-3.40E-08**	**-1.00E-08**	**-3.00E-09**	**-3.00E-09**	**-4.30E-09**

Licensee Comments: none

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**4/08**	**5/08**	**6/08**	**7/08**	**8/08**	**9/08**	**10/08**	**11/08**	**12/08**	**1/09**	**2/09**	**3/09**
Maximum activity	0.000048	0.000049	0.000056	0.000050	0.000044	0.000041	0.000045	0.000038	0.000040	0.000047	0.000039	0.000046
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Activity	**4/09**	**5/09**	**6/09**	**7/09**	**8/09**	**9/09**	**10/09**	**11/09**	**12/09**	**1/10**	**2/10**	**3/10**
Maximum activity	N/A	0.000033	0.000044	0.000040	0.000036	0.000036	N/A	0.000020	0.000024	0.000033	0.000026	0.000026
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**N/A**	**0**	**0**	**0**	**0**	**0**	**N/A**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**4/08**	**5/08**	**6/08**	**7/08**	**8/08**	**9/08**	**10/08**	**11/08**	**12/08**	**1/09**	**2/09**	**3/09**
Maximum leakage	1.610	1.610	1.610	1.610	1.610	1.600	1.600	1.620	1.870	1.750	1.600	1.610
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.4**	**6.4**	**6.4**	**6.4**	**6.4**	**6.4**	**6.4**	**6.5**	**7.5**	**7.0**	**6.4**	**6.4**
Reactor Coolant System Leakage	**4/09**	**5/09**	**6/09**	**7/09**	**8/09**	**9/09**	**10/09**	**11/09**	**12/09**	**1/10**	**2/10**	**3/10**
Maximum leakage	1.450	1.630	1.630	1.630	1.630	1.630	0.530	1.630	1.630	1.620	1.620	1.620
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**5.8**	**6.5**	**6.5**	**6.5**	**6.5**	**6.5**	**2.1**	**6.5**	**6.5**	**6.5**	**6.5**	**6.5**

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	74.0	27.0	47.0	11.0	35.0	31.0	14.0	17.0
Total opportunities	78.0	28.0	47.0	11.0	37.0	33.0	14.0	20.0
Indicator value	**96.0%**	**95.9%**	**96.3%**	**96.6%**	**95.9%**	**95.9%**	**96.5%**	**95.5%**

Licensee Comments: none

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	91.0	94.0	104.0	119.0	121.0	117.0	113.0	116.0
Total Key personnel	96.0	97.0	114.0	119.0	121.0	120.0	117.0	121.0
Indicator value	**94.8%**	**96.9%**	**91.2%**	**100.0%**	**100.0%**	**97.5%**	**96.6%**	**95.9%**

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	186	186	185	185	186	186	185	186
Total sirens-tests	186	186	186	186	186	186	186	186
Indicator value	**99.7%**	**99.7%**	**99.6%**	**99.7%**	**99.7%**	**99.7%**	**99.7%**	**99.9%**

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

Fermi 2

2Q/2010 Performance Indicators

Licensee's General Comments: Changed PRA Parameters. MSPI PRA Parameters for Plant CDF, MSPI functions and devices revised in accordance with Fermi 2 PSA Model Update V8. Reference - Fermi MSPI Basis Document Rev 2.

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
Unplanned scrams	0	0	1.0	0	1.0	0	1.0	1.0
Critical hours	2208.0	2209.0	2064.8	1471.9	2195.1	1218.3	2104.4	1968.5
Indicator value	**1.8**	**0.8**	**0.8**	**0.9**	**1.8**	**2.0**	**2.0**	**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	1.0	1.0	0	0	0
Critical hours	2208.0	2209.0	2064.8	1471.9	2195.1	1218.3	2104.4	1968.5
Indicator value	**0.9**	**0**	**0**	**0.9**	**1.8**	**2.0**	**2.0**	**0.9**

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 (BWR)

Thresholds: White > 6.0

Notes

Safety System Functional Failures (BWR)	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
Safety System Functional Failures	0	0	1	0	0	0	0	0
Indicator value	**2**	**2**	**3**	**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	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
UAI (ΔCDF)	1.40E-07	1.10E-07	1.40E-07	1.30E-07	1.60E-07	9.90E-08	1.24E-07	2.82E-09
URI (ΔCDF)	-3.20E-08	-1.50E-07	-8.80E-08	2.80E-07	3.30E-07	3.50E-07	-1.38E-06	-2.97E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.08E-07**	**-4.00E-08**	**5.20E-08**	**4.10E-07**	**4.90E-07**	**4.49E-07**	**-1.30E-06**	**-2.90E-07**

Licensee Comments:

2Q/10: Changed PRA Parameter(s).

Mitigating Systems Performance Index, High Pressure Injection System

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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**3Q/08**	**4Q/08**	**1Q/09**	**2Q/09**	**3Q/09**	**4Q/09**	**1Q/10**	**2Q/10**
UAI (ΔCDF)	-2.30E-08	-1.50E-08	-1.50E-08	-1.50E-08	-1.50E-08	-1.50E-08	-1.48E-08	-2.25E-09
URI (ΔCDF)	-4.60E-08	-4.70E-08	-4.40E-08	-4.10E-08	-3.90E-08	-3.80E-08	-3.84E-08	-2.85E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-6.90E-08**	**-6.20E-08**	**-5.90E-08**	**-5.60E-08**	**-5.40E-08**	**-5.30E-08**	**-5.30E-08**	**-3.10E-08**

Licensee Comments:

2Q/10: Changed PRA Parameter(s).

Mitigating Systems Performance Index, Heat Removal System

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

Notes

Mitigating Systems Performance Index, Heat Removal System	**3Q/08**	**4Q/08**	**1Q/09**	**2Q/09**	**3Q/09**	**4Q/09**	**1Q/10**	**2Q/10**
UAI (ΔCDF)	1.80E-07	1.80E-07	1.80E-07	1.80E-07	1.70E-07	1.70E-07	1.50E-07	1.55E-08
URI (ΔCDF)	-8.10E-08	-8.10E-08	-8.10E-08	-7.60E-08	-7.40E-08	-7.60E-08	-7.25E-08	-3.11E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**9.90E-08**	**9.90E-08**	**9.90E-08**	**1.04E-07**	**9.60E-08**	**9.40E-08**	**7.80E-08**	**-1.60E-08**

Licensee Comments:

2Q/10: Changed PRA Parameter(s).

Mitigating Systems Performance Index, Residual Heat Removal System

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

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	**3Q/08**	**4Q/08**	**1Q/09**	**2Q/09**	**3Q/09**	**4Q/09**	**1Q/10**	**2Q/10**
UAI (ΔCDF)	2.50E-08	-2.20E-08	-2.10E-08	-2.60E-08	-6.20E-08	-6.10E-08	-6.16E-08	-4.22E-09
URI (ΔCDF)	-2.30E-07	-2.30E-07	-2.30E-07	-2.30E-07	-2.30E-07	-2.30E-07	-2.29E-07	-1.08E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.05E-07**	**-2.52E-07**	**-2.51E-07**	**-2.56E-07**	**-2.92E-07**	**-2.91E-07**	**-2.90E-07**	**-1.10E-07**

Licensee Comments:

2Q/10: Changed PRA Parameter(s).

Mitigating Systems Performance Index, Cooling Water Systems

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
UAI (ΔCDF)	5.80E-08	6.70E-08	6.60E-08	9.00E-08	9.70E-08	9.70E-08	9.81E-08	3.39E-08
URI (ΔCDF)	-1.00E-07	-1.00E-07	-1.00E-07	-1.00E-07	-1.00E-07	-1.00E-07	-1.02E-07	-1.28E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-4.20E-08**	**-3.30E-08**	**-3.40E-08**	**-1.00E-08**	**-3.00E-09**	**-3.00E-09**	**-4.30E-09**	**2.10E-08**

Licensee Comments:

2Q/10: Changed PRA Parameter(s).

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	0.000050	0.000044	0.000041	0.000045	0.000038	0.000040	0.000047	0.000039	0.000046	N/A	0.000033	0.000044
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**N/A**	**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	0.000040	0.000036	0.000036	N/A	0.000020	0.000024	0.000033	0.000026	0.000026	0.000026	0.000027	0.000027
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**N/A**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**7/08**	**8/08**	**9/08**	**10/08**	**11/08**	**12/08**	**1/09**	**2/09**	**3/09**	**4/09**	**5/09**	**6/09**
Maximum leakage	1.610	1.610	1.600	1.600	1.620	1.870	1.750	1.600	1.610	1.450	1.630	1.630
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.4**	**6.4**	**6.4**	**6.4**	**6.5**	**7.5**	**7.0**	**6.4**	**6.4**	**5.8**	**6.5**	**6.5**
Reactor Coolant System Leakage	**7/09**	**8/09**	**9/09**	**10/09**	**11/09**	**12/09**	**1/10**	**2/10**	**3/10**	**4/10**	**5/10**	**6/10**
Maximum leakage	1.630	1.630	1.630	0.530	1.630	1.630	1.620	1.620	1.620	1.630	1.630	1.630
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.5**	**6.5**	**6.5**	**2.1**	**6.5**	**6.5**	**6.5**	**6.5**	**6.5**	**6.5**	**6.5**	**6.5**

Licensee Comments: none

Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/08	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10
Successful opportunities	27.0	47.0	11.0	35.0	31.0	14.0	17.0	39.0
Total opportunities	28.0	47.0	11.0	37.0	33.0	14.0	20.0	40.0
Indicator value	**95.9%**	**96.3%**	**96.6%**	**95.9%**	**95.9%**	**96.5%**	**95.5%**	**96.1%**

Licensee Comments: none

ERO Drill Participation

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	94.0	104.0	119.0	121.0	117.0	113.0	116.0	118.0
Total Key personnel	97.0	114.0	119.0	121.0	120.0	117.0	121.0	128.0
Indicator value	**96.9%**	**91.2%**	**100.0%**	**100.0%**	**97.5%**	**96.6%**	**95.9%**	**92.2%**

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	186	185	185	186	186	185	186	124
Total sirens-tests	186	186	186	186	186	186	186	124
Indicator value	**99.7%**	**99.6%**	**99.7%**	**99.7%**	**99.7%**	**99.7%**	**99.9%**	**99.9%**

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

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3Q/2010 Performance Indicators

Licensee's General Comments: Minor corrections to June 2010 EP data identified during internal reviews - corrective actions to prevent recurrance have been taken.

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
Unplanned scrams	0	1.0	0	1.0	0	1.0	1.0	0
Critical hours	2209.0	2064.8	1471.9	2195.1	1218.3	2104.4	1968.5	2208.0
Indicator value	**0.8**	**0.8**	**0.9**	**1.8**	**2.0**	**2.0**	**2.8**	**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	1.0	1.0	0	0	0	0
Critical hours	2209.0	2064.8	1471.9	2195.1	1218.3	2104.4	1968.5	2208.0
Indicator value	**0**	**0**	**0.9**	**1.8**	**2.0**	**2.0**	**0.9**	**0**

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 (BWR)

Thresholds: White > 6.0

Notes

Safety System Functional Failures (BWR)	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
Safety System Functional Failures	0	1	0	0	0	0	0	0
Indicator value	**2**	**3**	**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	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
UAI (ΔCDF)	1.10E-07	1.40E-07	1.30E-07	1.60E-07	9.90E-08	1.24E-07	2.82E-09	2.46E-09
URI (ΔCDF)	-1.50E-07	-8.80E-08	2.80E-07	3.30E-07	3.50E-07	-1.38E-06	-2.97E-07	-3.02E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-4.00E-08**	**5.20E-08**	**4.10E-07**	**4.90E-07**	**4.49E-07**	**-1.30E-06**	**-2.90E-07**	**-3.00E-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)	-1.50E-08	-1.50E-08	-1.50E-08	-1.50E-08	-1.50E-08	-1.48E-08	-2.25E-09	-2.25E-09
URI (ΔCDF)	-4.70E-08	-4.40E-08	-4.10E-08	-3.90E-08	-3.80E-08	-3.84E-08	-2.85E-08	-3.00E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-6.20E-08**	**-5.90E-08**	**-5.60E-08**	**-5.40E-08**	**-5.30E-08**	**-5.30E-08**	**-3.10E-08**	**-3.20E-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	**4Q/08**	**1Q/09**	**2Q/09**	**3Q/09**	**4Q/09**	**1Q/10**	**2Q/10**	**3Q/10**
UAI (ΔCDF)	1.80E-07	1.80E-07	1.80E-07	1.70E-07	1.70E-07	1.50E-07	1.55E-08	4.11E-09
URI (ΔCDF)	-8.10E-08	-8.10E-08	-7.60E-08	-7.40E-08	-7.60E-08	-7.25E-08	-3.11E-08	-2.82E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**9.90E-08**	**9.90E-08**	**1.04E-07**	**9.60E-08**	**9.40E-08**	**7.80E-08**	**-1.60E-08**	**-2.40E-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	**4Q/08**	**1Q/09**	**2Q/09**	**3Q/09**	**4Q/09**	**1Q/10**	**2Q/10**	**3Q/10**
UAI (ΔCDF)	-2.20E-08	-2.10E-08	-2.60E-08	-6.20E-08	-6.10E-08	-6.16E-08	-4.22E-09	-5.87E-09
URI (ΔCDF)	-2.30E-07	-2.30E-07	-2.30E-07	-2.30E-07	-2.30E-07	-2.29E-07	-1.08E-07	-1.08E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.52E-07**	**-2.51E-07**	**-2.56E-07**	**-2.92E-07**	**-2.91E-07**	**-2.90E-07**	**-1.10E-07**	**-1.10E-07**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**4Q/08**	**1Q/09**	**2Q/09**	**3Q/09**	**4Q/09**	**1Q/10**	**2Q/10**	**3Q/10**
UAI (ΔCDF)	6.70E-08	6.60E-08	9.00E-08	9.70E-08	9.70E-08	9.81E-08	3.39E-08	4.69E-08
URI (ΔCDF)	-1.00E-07	-1.00E-07	-1.00E-07	-1.00E-07	-1.00E-07	-1.02E-07	-1.28E-08	-1.29E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.30E-08**	**-3.40E-08**	**-1.00E-08**	**-3.00E-09**	**-3.00E-09**	**-4.30E-09**	**2.10E-08**	**3.40E-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	0.000045	0.000038	0.000040	0.000047	0.000039	0.000046	N/A	0.000033	0.000044	0.000040	0.000036	0.000036
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**N/A**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Activity	**10/09**	**11/09**	**12/09**	**1/10**	**2/10**	**3/10**	**4/10**	**5/10**	**6/10**	**7/10**	**8/10**	**9/10**
Maximum activity	N/A	0.000020	0.000024	0.000033	0.000026	0.000026	0.000026	0.000027	0.000027	0.000026	0.000028	0.000029
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**N/A**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**10/08**	**11/08**	**12/08**	**1/09**	**2/09**	**3/09**	**4/09**	**5/09**	**6/09**	**7/09**	**8/09**	**9/09**
Maximum leakage	1.600	1.620	1.870	1.750	1.600	1.610	1.450	1.630	1.630	1.630	1.630	1.630
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.4**	**6.5**	**7.5**	**7.0**	**6.4**	**6.4**	**5.8**	**6.5**	**6.5**	**6.5**	**6.5**	**6.5**
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	0.530	1.630	1.630	1.620	1.620	1.620	1.630	1.630	1.630	1.630	1.630	1.630
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**2.1**	**6.5**	**6.5**	**6.5**	**6.5**	**6.5**	**6.5**	**6.5**	**6.5**	**6.5**	**6.5**	**6.5**

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	47.0	11.0	35.0	31.0	14.0	17.0	41.0	77.0
Total opportunities	47.0	11.0	37.0	33.0	14.0	20.0	42.0	78.0
Indicator value	**96.3%**	**96.6%**	**95.9%**	**95.9%**	**96.5%**	**95.5%**	**96.1%**	**96.8%**

Licensee Comments: none

Notes

ERO Drill Participation	4Q/08	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10
Participating Key personnel	104.0	119.0	121.0	117.0	113.0	116.0	118.0	112.0
Total Key personnel	114.0	119.0	121.0	120.0	117.0	121.0	129.0	121.0
Indicator value	**91.2%**	**100.0%**	**100.0%**	**97.5%**	**96.6%**	**95.9%**	**91.5%**	**92.6%**

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	185	185	186	186	185	186	124	186
Total sirens-tests	186	186	186	186	186	186	124	186
Indicator value	**99.6%**	**99.7%**	**99.7%**	**99.7%**	**99.7%**	**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/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

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4Q/2010 Performance Indicators

Licensee's General Comments: While performing a self-assessment of the Emergency Response Organization (ERO) performance indicator process, a minor discrepancy was discovered with the September 2010 EP01 data - there were 17 actual opportunities versus the original calculation of 18 opportunities. The error was in the conservative direction. 09/2010 EP01 CDE data has been corrected.

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	1.0	0	1.0	0	1.0	1.0	0	1.0
Critical hours	2064.8	1471.9	2195.1	1218.3	2104.4	1968.5	2208.0	1286.9
Indicator value	**0.8**	**0.9**	**1.8**	**2.0**	**2.0**	**2.8**	**1.9**	**2.8**

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	1.0	1.0	0	0	0	0	1.0
Critical hours	2064.8	1471.9	2195.1	1218.3	2104.4	1968.5	2208.0	1286.9
Indicator value	**0**	**0.9**	**1.8**	**2.0**	**2.0**	**0.9**	**0**	**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 (BWR)

Thresholds: White > 6.0

Notes

Safety System Functional Failures (BWR)	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
Safety System Functional Failures	1	0	0	0	0	0	0	0
Indicator value	**3**	**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	1Q/09	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10
UAI (ΔCDF)	1.40E-07	1.30E-07	1.60E-07	9.90E-08	1.24E-07	2.82E-09	2.46E-09	2.10E-09
URI (ΔCDF)	-8.80E-08	2.80E-07	3.30E-07	3.50E-07	-1.38E-06	-2.97E-07	-3.02E-07	-2.93E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**5.20E-08**	**4.10E-07**	**4.90E-07**	**4.49E-07**	**-1.30E-06**	**-2.90E-07**	**-3.00E-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	**1Q/09**	**2Q/09**	**3Q/09**	**4Q/09**	**1Q/10**	**2Q/10**	**3Q/10**	**4Q/10**
UAI (ΔCDF)	-1.50E-08	-1.50E-08	-1.50E-08	-1.50E-08	-1.48E-08	-2.25E-09	-2.25E-09	-1.78E-10
URI (ΔCDF)	-4.40E-08	-4.10E-08	-3.90E-08	-3.80E-08	-3.84E-08	-2.85E-08	-3.00E-08	-4.12E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-5.90E-08**	**-5.60E-08**	**-5.40E-08**	**-5.30E-08**	**-5.30E-08**	**-3.10E-08**	**-3.20E-08**	**-4.30E-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)	1.80E-07	1.80E-07	1.70E-07	1.70E-07	1.50E-07	1.55E-08	4.11E-09	-2.10E-09
URI (ΔCDF)	-8.10E-08	-7.60E-08	-7.40E-08	-7.60E-08	-7.25E-08	-3.11E-08	-2.82E-08	-2.57E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**9.90E-08**	**1.04E-07**	**9.60E-08**	**9.40E-08**	**7.80E-08**	**-1.60E-08**	**-2.40E-08**	**-2.80E-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	**1Q/09**	**2Q/09**	**3Q/09**	**4Q/09**	**1Q/10**	**2Q/10**	**3Q/10**	**4Q/10**
UAI (ΔCDF)	-2.10E-08	-2.60E-08	-6.20E-08	-6.10E-08	-6.16E-08	-4.22E-09	-5.87E-09	-5.89E-09
URI (ΔCDF)	-2.30E-07	-2.30E-07	-2.30E-07	-2.30E-07	-2.29E-07	-1.08E-07	-1.08E-07	-1.08E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.51E-07**	**-2.56E-07**	**-2.92E-07**	**-2.91E-07**	**-2.90E-07**	**-1.10E-07**	**-1.10E-07**	**-1.10E-07**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**1Q/09**	**2Q/09**	**3Q/09**	**4Q/09**	**1Q/10**	**2Q/10**	**3Q/10**	**4Q/10**
UAI (ΔCDF)	6.60E-08	9.00E-08	9.70E-08	9.70E-08	9.81E-08	3.39E-08	4.69E-08	4.61E-08
URI (ΔCDF)	-1.00E-07	-1.00E-07	-1.00E-07	-1.00E-07	-1.02E-07	-1.28E-08	-1.29E-08	-1.28E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.40E-08**	**-1.00E-08**	**-3.00E-09**	**-3.00E-09**	**-4.30E-09**	**2.10E-08**	**3.40E-08**	**3.30E-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	0.000047	0.000039	0.000046	N/A	0.000033	0.000044	0.000040	0.000036	0.000036	N/A	0.000020	0.000024
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**N/A**	**0**	**0**	**0**	**0**	**0**	**N/A**	**0**	**0**

Reactor Coolant System Activity	**1/10**	**2/10**	**3/10**	**4/10**	**5/10**	**6/10**	**7/10**	**8/10**	**9/10**	**10/10**	**11/10**	**12/10**
Maximum activity	0.000033	0.000026	0.000026	0.000026	0.000027	0.000027	0.000026	0.000028	0.000029	0.000033	N/A	0.000023
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**N/A**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**1/09**	**2/09**	**3/09**	**4/09**	**5/09**	**6/09**	**7/09**	**8/09**	**9/09**	**10/09**	**11/09**	**12/09**
Maximum leakage	1.750	1.600	1.610	1.450	1.630	1.630	1.630	1.630	1.630	0.530	1.630	1.630
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**7.0**	**6.4**	**6.4**	**5.8**	**6.5**	**6.5**	**6.5**	**6.5**	**6.5**	**2.1**	**6.5**	**6.5**
Reactor Coolant System Leakage	**1/10**	**2/10**	**3/10**	**4/10**	**5/10**	**6/10**	**7/10**	**8/10**	**9/10**	**10/10**	**11/10**	**12/10**
Maximum leakage	1.620	1.620	1.620	1.630	1.630	1.630	1.630	1.630	1.630	1.630	0.240	1.600
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.5**	**6.5**	**6.5**	**6.5**	**6.5**	**6.5**	**6.5**	**6.5**	**6.5**	**6.5**	**1.0**	**6.4**

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	11.0	35.0	31.0	14.0	17.0	41.0	76.0	20.0
Total opportunities	11.0	37.0	33.0	14.0	20.0	42.0	77.0	20.0
Indicator value	**96.6%**	**95.9%**	**95.9%**	**96.5%**	**95.5%**	**96.1%**	**96.8%**	**96.5%**

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	119.0	121.0	117.0	113.0	116.0	118.0	112.0	122.0
Total Key personnel	119.0	121.0	120.0	117.0	121.0	129.0	121.0	123.0
Indicator value	**100.0%**	**100.0%**	**97.5%**	**96.6%**	**95.9%**	**91.5%**	**92.6%**	**99.2%**

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	185	186	186	185	186	124	186	186
Total sirens-tests	186	186	186	186	186	124	186	186
Indicator value	**99.7%**	**99.7%**	**99.7%**	**99.7%**	**99.9%**	**99.9%**	**99.9%**	**100.0%**

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

Fermi 2

1Q/2011 Performance Indicators

Licensee's General Comments: Revised reactor critical date from 12/2/2010 to 12/3/2010 due to typo in Q4 2010 data - no color change impact on any affected indicator

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	1.0	0	1.0	1.0	0	1.0	0
Critical hours	1471.9	2195.1	1218.3	2104.4	1968.5	2208.0	1262.9	1784.8
Indicator value	**0.9**	**1.8**	**2.0**	**2.0**	**2.8**	**1.9**	**2.8**	**1.9**

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	1.0	1.0	0	0	0	0	1.0	1.0
Critical hours	1471.9	2195.1	1218.3	2104.4	1968.5	2208.0	1262.9	1784.8
Indicator value	**0.9**	**1.8**	**2.0**	**2.0**	**0.9**	**0**	**0.9**	**1.9**

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 (BWR)

Thresholds: White > 6.0

Notes

Safety System Functional Failures (BWR)	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
Safety System Functional Failures	0	0	0	0	0	0	0	1
Indicator value	**1**	**1**	**1**	**0**	**0**	**0**	**0**	**1**

Licensee Comments:

1Q/11: February - Fermi 2 LER 2010-004

Mitigating Systems Performance Index, Emergency AC Power System

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

Notes

Mitigating Systems Performance Index, Emergency AC Power System	2Q/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
UAI (ΔCDF)	1.30E-07	1.60E-07	9.90E-08	1.24E-07	2.82E-09	2.46E-09	2.16E-09	-5.74E-09
URI (ΔCDF)	2.80E-07	3.30E-07	3.50E-07	-1.38E-06	-2.97E-07	-3.02E-07	-2.93E-07	-2.97E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**4.10E-07**	**4.90E-07**	**4.49E-07**	**-1.30E-06**	**-2.90E-07**	**-3.00E-07**	**-2.90E-07**	**-3.00E-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/09**	**3Q/09**	**4Q/09**	**1Q/10**	**2Q/10**	**3Q/10**	**4Q/10**	**1Q/11**
UAI (ΔCDF)	-1.50E-08	-1.50E-08	-1.50E-08	-1.48E-08	-2.25E-09	-2.25E-09	-1.74E-10	-1.24E-10
URI (ΔCDF)	-4.10E-08	-3.90E-08	-3.80E-08	-3.84E-08	-2.85E-08	-3.00E-08	-4.12E-09	-4.38E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-5.60E-08**	**-5.40E-08**	**-5.30E-08**	**-5.30E-08**	**-3.10E-08**	**-3.20E-08**	**-4.30E-09**	**-4.50E-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/09	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11
UAI (ΔCDF)	1.80E-07	1.70E-07	1.70E-07	1.50E-07	1.55E-08	4.11E-09	-2.09E-09	-2.37E-09
URI (ΔCDF)	-7.60E-08	-7.40E-08	-7.60E-08	-7.25E-08	-3.11E-08	-2.82E-08	-2.57E-08	-2.66E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.04E-07**	**9.60E-08**	**9.40E-08**	**7.80E-08**	**-1.60E-08**	**-2.40E-08**	**-2.80E-08**	**-2.90E-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/09**	**3Q/09**	**4Q/09**	**1Q/10**	**2Q/10**	**3Q/10**	**4Q/10**	**1Q/11**
UAI (ΔCDF)	-2.60E-08	-6.20E-08	-6.10E-08	-6.16E-08	-4.22E-09	-5.87E-09	-5.88E-09	-6.24E-09
URI (ΔCDF)	-2.30E-07	-2.30E-07	-2.30E-07	-2.29E-07	-1.08E-07	-1.08E-07	-1.08E-07	-1.08E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.56E-07**	**-2.92E-07**	**-2.91E-07**	**-2.90E-07**	**-1.10E-07**	**-1.10E-07**	**-1.10E-07**	**-1.10E-07**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**2Q/09**	**3Q/09**	**4Q/09**	**1Q/10**	**2Q/10**	**3Q/10**	**4Q/10**	**1Q/11**
UAI (ΔCDF)	9.00E-08	9.70E-08	9.70E-08	9.81E-08	3.39E-08	4.69E-08	4.62E-08	2.87E-08
URI (ΔCDF)	-1.00E-07	-1.00E-07	-1.00E-07	-1.02E-07	-1.28E-08	-1.29E-08	-1.28E-08	-1.28E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.00E-08**	**-3.00E-09**	**-3.00E-09**	**-4.30E-09**	**2.10E-08**	**3.40E-08**	**3.30E-08**	**1.60E-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	N/A	0.000033	0.000044	0.000040	0.000036	0.000036	N/A	0.000020	0.000024	0.000033	0.000026	0.000026
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**N/A**	**0**	**0**	**0**	**0**	**0**	**N/A**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Activity	**4/10**	**5/10**	**6/10**	**7/10**	**8/10**	**9/10**	**10/10**	**11/10**	**12/10**	**1/11**	**2/11**	**3/11**
Maximum activity	0.000026	0.000027	0.000027	0.000026	0.000028	0.000029	0.000033	N/A	0.000023	0.000025	0.000027	0.000033
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**N/A**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**4/09**	**5/09**	**6/09**	**7/09**	**8/09**	**9/09**	**10/09**	**11/09**	**12/09**	**1/10**	**2/10**	**3/10**
Maximum leakage	1.450	1.630	1.630	1.630	1.630	1.630	0.530	1.630	1.630	1.620	1.620	1.620
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**5.8**	**6.5**	**6.5**	**6.5**	**6.5**	**6.5**	**2.1**	**6.5**	**6.5**	**6.5**	**6.5**	**6.5**
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	1.630	1.630	1.630	1.630	1.630	1.630	1.630	0.240	1.600	1.600	1.630	1.630
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.5**	**6.5**	**6.5**	**6.5**	**6.5**	**6.5**	**6.5**	**1.0**	**6.4**	**6.4**	**6.5**	**6.5**

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	35.0	31.0	14.0	17.0	41.0	76.0	20.0	18.0
Total opportunities	37.0	33.0	14.0	20.0	42.0	77.0	20.0	19.0
Indicator value	**95.9%**	**95.9%**	**96.5%**	**95.5%**	**96.1%**	**96.8%**	**96.5%**	**96.2%**

Licensee Comments: none

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	121.0	117.0	113.0	116.0	118.0	112.0	122.0	120.0
Total Key personnel	121.0	120.0	117.0	121.0	129.0	121.0	123.0	120.0
Indicator value	**100.0%**	**97.5%**	**96.6%**	**95.9%**	**91.5%**	**92.6%**	**99.2%**	**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	186	186	185	186	124	186	186	186
Total sirens-tests	186	186	186	186	124	186	186	186
Indicator value	**99.7%**	**99.7%**	**99.7%**	**99.9%**	**99.9%**	**99.9%**	**100.0%**	**100.0%**

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

Fermi 2

2Q/2011 Performance Indicators

Licensee's General Comments: Fermi implemented Noble Metal Chemistry Controls at the beginning of the quarter

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	1.0	0	1.0	1.0	0	1.0	0	0
Critical hours	2195.1	1218.3	2104.4	1968.5	2208.0	1262.9	1784.8	2184.0
Indicator value	**1.8**	**2.0**	**2.0**	**2.8**	**1.9**	**2.8**	**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	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
Unplanned power changes	1.0	0	0	0	0	1.0	1.0	0
Critical hours	2195.1	1218.3	2104.4	1968.5	2208.0	1262.9	1784.8	2184.0
Indicator value	**1.8**	**2.0**	**2.0**	**0.9**	**0**	**0.9**	**1.9**	**1.9**

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 (BWR)

Thresholds: White > 6.0

Notes

Safety System Functional Failures (BWR)	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
Safety System Functional Failures	0	0	0	0	0	0	1	0
Indicator value	**1**	**1**	**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	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
UAI (ΔCDF)	1.60E-07	9.90E-08	1.24E-07	2.82E-09	2.46E-09	2.16E-09	-5.74E-09	-5.60E-09
URI (ΔCDF)	3.30E-07	3.50E-07	-1.38E-06	-2.97E-07	-3.02E-07	-2.93E-07	-2.97E-07	-3.00E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**4.90E-07**	**4.49E-07**	**-1.30E-06**	**-2.90E-07**	**-3.00E-07**	**-2.90E-07**	**-3.00E-07**	**-3.10E-07**

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System

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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	**3Q/09**	**4Q/09**	**1Q/10**	**2Q/10**	**3Q/10**	**4Q/10**	**1Q/11**	**2Q/11**
UAI (ΔCDF)	-1.50E-08	-1.50E-08	-1.48E-08	-2.25E-09	-2.25E-09	-1.74E-10	-1.24E-10	-1.24E-10
URI (ΔCDF)	-3.90E-08	-3.80E-08	-3.84E-08	-2.85E-08	-3.00E-08	-4.12E-09	-4.38E-09	-4.63E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-5.40E-08**	**-5.30E-08**	**-5.30E-08**	**-3.10E-08**	**-3.20E-08**	**-4.30E-09**	**-4.50E-09**	**-4.80E-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/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
UAI (ΔCDF)	1.70E-07	1.70E-07	1.50E-07	1.55E-08	4.11E-09	-2.09E-09	-2.37E-09	-2.37E-09
URI (ΔCDF)	-7.40E-08	-7.60E-08	-7.25E-08	-3.11E-08	-2.82E-08	-2.57E-08	-2.66E-08	-2.74E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**9.60E-08**	**9.40E-08**	**7.80E-08**	**-1.60E-08**	**-2.40E-08**	**-2.80E-08**	**-2.90E-08**	**-3.00E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System

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

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	**3Q/09**	**4Q/09**	**1Q/10**	**2Q/10**	**3Q/10**	**4Q/10**	**1Q/11**	**2Q/11**
UAI (ΔCDF)	-6.20E-08	-6.10E-08	-6.16E-08	-4.22E-09	-5.87E-09	-5.88E-09	-6.24E-09	4.56E-09
URI (ΔCDF)	-2.30E-07	-2.30E-07	-2.29E-07	-1.08E-07	-1.08E-07	-1.08E-07	-1.08E-07	-1.08E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.92E-07**	**-2.91E-07**	**-2.90E-07**	**-1.10E-07**	**-1.10E-07**	**-1.10E-07**	**-1.10E-07**	**-1.00E-07**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**3Q/09**	**4Q/09**	**1Q/10**	**2Q/10**	**3Q/10**	**4Q/10**	**1Q/11**	**2Q/11**
UAI (ΔCDF)	9.70E-08	9.70E-08	9.81E-08	3.39E-08	4.69E-08	4.62E-08	2.87E-08	3.81E-08
URI (ΔCDF)	-1.00E-07	-1.00E-07	-1.02E-07	-1.28E-08	-1.29E-08	-1.28E-08	-1.28E-08	-1.28E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.00E-09**	**-3.00E-09**	**-4.30E-09**	**2.10E-08**	**3.40E-08**	**3.30E-08**	**1.60E-08**	**2.50E-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	0.000040	0.000036	0.000036	N/A	0.000020	0.000024	0.000033	0.000026	0.000026	0.000026	0.000027	0.000027
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**N/A**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Activity	**7/10**	**8/10**	**9/10**	**10/10**	**11/10**	**12/10**	**1/11**	**2/11**	**3/11**	**4/11**	**5/11**	**6/11**
Maximum activity	0.000026	0.000028	0.000029	0.000033	N/A	0.000023	0.000025	0.000027	0.000033	0.000019	0.000017	0.000014
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**N/A**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**7/09**	**8/09**	**9/09**	**10/09**	**11/09**	**12/09**	**1/10**	**2/10**	**3/10**	**4/10**	**5/10**	**6/10**
Maximum leakage	1.630	1.630	1.630	0.530	1.630	1.630	1.620	1.620	1.620	1.630	1.630	1.630
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.5**	**6.5**	**6.5**	**2.1**	**6.5**	**6.5**	**6.5**	**6.5**	**6.5**	**6.5**	**6.5**	**6.5**
Reactor Coolant System Leakage	**7/10**	**8/10**	**9/10**	**10/10**	**11/10**	**12/10**	**1/11**	**2/11**	**3/11**	**4/11**	**5/11**	**6/11**
Maximum leakage	1.630	1.630	1.630	1.630	0.240	1.600	1.600	1.630	1.630	1.630	1.790	1.680
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.5**	**6.5**	**6.5**	**6.5**	**1.0**	**6.4**	**6.4**	**6.5**	**6.5**	**6.5**	**7.2**	**6.7**

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	31.0	14.0	17.0	41.0	76.0	20.0	18.0	31.0
Total opportunities	33.0	14.0	20.0	42.0	77.0	20.0	19.0	31.0
Indicator value	**95.9%**	**96.5%**	**95.5%**	**96.1%**	**96.8%**	**96.5%**	**96.2%**	**96.9%**

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
Participating Key personnel	117.0	113.0	116.0	118.0	112.0	122.0	120.0	120.0
Total Key personnel	120.0	117.0	121.0	129.0	121.0	123.0	120.0	120.0
Indicator value	**97.5%**	**96.6%**	**95.9%**	**91.5%**	**92.6%**	**99.2%**	**100.0%**	**100.0%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
Successful siren-tests	186	185	186	124	186	186	186	186
Total sirens-tests	186	186	186	124	186	186	186	186
Indicator value	**99.7%**	**99.7%**	**99.9%**	**99.9%**	**99.9%**	**100.0%**	**100.0%**	**100.0%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	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

Fermi 2

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	0	1.0	1.0	0	1.0	0	0	0
Critical hours	1218.3	2104.4	1968.5	2208.0	1262.9	1784.8	2184.0	2208.0
Indicator value	**2.0**	**2.0**	**2.8**	**1.9**	**2.8**	**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	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
Unplanned power changes	0	0	0	0	1.0	1.0	0	0
Critical hours	1218.3	2104.4	1968.5	2208.0	1262.9	1784.8	2184.0	2208.0
Indicator value	**2.0**	**2.0**	**0.9**	**0**	**0.9**	**1.9**	**1.9**	**1.9**

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 (BWR)

Thresholds: White > 6.0

Notes

Safety System Functional Failures (BWR)	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
Safety System Functional Failures	0	0	0	0	0	1	0	0
Indicator value	**1**	**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	**4Q/09**	**1Q/10**	**2Q/10**	**3Q/10**	**4Q/10**	**1Q/11**	**2Q/11**	**3Q/11**
UAI (ΔCDF)	9.90E-08	1.24E-07	2.82E-09	2.46E-09	2.16E-09	-5.74E-09	-5.60E-09	1.40E-09
URI (ΔCDF)	3.50E-07	-1.38E-06	-2.97E-07	-3.02E-07	-2.93E-07	-2.97E-07	-3.00E-07	-3.01E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**4.49E-07**	**-1.30E-06**	**-2.90E-07**	**-3.00E-07**	**-2.90E-07**	**-3.00E-07**	**-3.10E-07**	**-3.00E-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/09**	**1Q/10**	**2Q/10**	**3Q/10**	**4Q/10**	**1Q/11**	**2Q/11**	**3Q/11**
UAI (ΔCDF)	-1.50E-08	-1.48E-08	-2.25E-09	-2.25E-09	-1.74E-10	-1.24E-10	-1.24E-10	5.29E-09
URI (ΔCDF)	-3.80E-08	-3.84E-08	-2.85E-08	-3.00E-08	-4.12E-09	-4.38E-09	-4.63E-09	2.01E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-5.30E-08**	**-5.30E-08**	**-3.10E-08**	**-3.20E-08**	**-4.30E-09**	**-4.50E-09**	**-4.80E-09**	**2.50E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System

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

Notes

Mitigating Systems Performance Index, Heat Removal System	**4Q/09**	**1Q/10**	**2Q/10**	**3Q/10**	**4Q/10**	**1Q/11**	**2Q/11**	**3Q/11**
UAI (ΔCDF)	1.70E-07	1.50E-07	1.55E-08	4.11E-09	-2.09E-09	-2.37E-09	-2.37E-09	-2.37E-09
URI (ΔCDF)	-7.60E-08	-7.25E-08	-3.11E-08	-2.82E-08	-2.57E-08	-2.66E-08	-2.74E-08	-2.82E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**9.40E-08**	**7.80E-08**	**-1.60E-08**	**-2.40E-08**	**-2.80E-08**	**-2.90E-08**	**-3.00E-08**	**-3.10E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System

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

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
UAI (ΔCDF)	-6.10E-08	-6.16E-08	-4.22E-09	-5.87E-09	-5.88E-09	-6.24E-09	4.56E-09	5.95E-09
URI (ΔCDF)	-2.30E-07	-2.29E-07	-1.08E-07	-1.08E-07	-1.08E-07	-1.08E-07	-1.08E-07	-1.08E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.91E-07**	**-2.90E-07**	**-1.10E-07**	**-1.10E-07**	**-1.10E-07**	**-1.10E-07**	**-1.00E-07**	**-1.00E-07**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11
UAI (ΔCDF)	9.70E-08	9.81E-08	3.39E-08	4.69E-08	4.62E-08	2.87E-08	3.81E-08	3.81E-08
URI (ΔCDF)	-1.00E-07	-1.02E-07	-1.28E-08	-1.29E-08	-1.28E-08	-1.28E-08	-1.28E-08	-1.29E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.00E-09**	**-4.30E-09**	**2.10E-08**	**3.40E-08**	**3.30E-08**	**1.60E-08**	**2.50E-08**	**2.50E-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	N/A	0.000020	0.000024	0.000033	0.000026	0.000026	0.000026	0.000027	0.000027	0.000026	0.000028	0.000029
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**N/A**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Activity	**10/10**	**11/10**	**12/10**	**1/11**	**2/11**	**3/11**	**4/11**	**5/11**	**6/11**	**7/11**	**8/11**	**9/11**
Maximum activity	0.000033	N/A	0.000023	0.000025	0.000027	0.000033	0.000019	0.000017	0.000014	0.000016	0.000011	0.000006
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**N/A**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**10/09**	**11/09**	**12/09**	**1/10**	**2/10**	**3/10**	**4/10**	**5/10**	**6/10**	**7/10**	**8/10**	**9/10**
Maximum leakage	0.530	1.630	1.630	1.620	1.620	1.620	1.630	1.630	1.630	1.630	1.630	1.630
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**2.1**	**6.5**	**6.5**	**6.5**	**6.5**	**6.5**	**6.5**	**6.5**	**6.5**	**6.5**	**6.5**	**6.5**
Reactor Coolant System Leakage	**10/10**	**11/10**	**12/10**	**1/11**	**2/11**	**3/11**	**4/11**	**5/11**	**6/11**	**7/11**	**8/11**	**9/11**
Maximum leakage	1.630	0.240	1.600	1.600	1.630	1.630	1.630	1.790	1.680	1.660	1.660	1.690
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.5**	**1.0**	**6.4**	**6.4**	**6.5**	**6.5**	**6.5**	**7.2**	**6.7**	**6.6**	**6.6**	**6.8**

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	14.0	17.0	41.0	76.0	20.0	18.0	31.0	46.0
Total opportunities	14.0	20.0	42.0	77.0	20.0	19.0	31.0	46.0
Indicator value	**96.5%**	**95.5%**	**96.1%**	**96.8%**	**96.5%**	**96.2%**	**96.9%**	**97.8%**

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	113.0	116.0	118.0	112.0	122.0	120.0	120.0	121.0
Total Key personnel	117.0	121.0	129.0	121.0	123.0	120.0	120.0	121.0
Indicator value	**96.6%**	**95.9%**	**91.5%**	**92.6%**	**99.2%**	**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	185	186	124	186	186	186	186	186
Total sirens-tests	186	186	124	186	186	186	186	186
Indicator value	**99.7%**	**99.9%**	**99.9%**	**99.9%**	**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	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

Fermi 2

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	1.0	1.0	0	1.0	0	0	0	0
Critical hours	2104.4	1968.5	2208.0	1262.9	1784.8	2184.0	2208.0	2209.0
Indicator value	**2.0**	**2.8**	**1.9**	**2.8**	**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	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
Unplanned power changes	0	0	0	1.0	1.0	0	0	1.0
Critical hours	2104.4	1968.5	2208.0	1262.9	1784.8	2184.0	2208.0	2209.0
Indicator value	**2.0**	**0.9**	**0**	**0.9**	**1.9**	**1.9**	**1.9**	**1.7**

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 (BWR)

Thresholds: White > 6.0

Notes

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

Licensee Comments:

4Q/11: LER 2011-01, Loss of the High Pressure Coolant Injection system due to an inoperable minimum flow valve.

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)	1.24E-07	2.82E-09	2.46E-09	2.16E-09	-5.74E-09	-5.60E-09	1.40E-09	5.00E-10
URI (ΔCDF)	-1.38E-06	-2.97E-07	-3.02E-07	-2.93E-07	-2.97E-07	-3.00E-07	-3.01E-07	-2.95E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.30E-06**	**-2.90E-07**	**-3.00E-07**	**-2.90E-07**	**-3.00E-07**	**-3.10E-07**	**-3.00E-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	**1Q/10**	**2Q/10**	**3Q/10**	**4Q/10**	**1Q/11**	**2Q/11**	**3Q/11**	**4Q/11**
UAI (ΔCDF)	-1.48E-08	-2.25E-09	-2.25E-09	-1.74E-10	-1.24E-10	-1.24E-10	5.29E-09	4.06E-09
URI (ΔCDF)	-3.84E-08	-2.85E-08	-3.00E-08	-4.12E-09	-4.38E-09	-4.63E-09	2.01E-08	2.10E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-5.30E-08**	**-3.10E-08**	**-3.20E-08**	**-4.30E-09**	**-4.50E-09**	**-4.80E-09**	**2.50E-08**	**2.50E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System

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

Notes

Mitigating Systems Performance Index, Heat Removal System	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
UAI (ΔCDF)	1.50E-07	1.55E-08	4.11E-09	-2.09E-09	-2.37E-09	-2.37E-09	-2.37E-09	-2.37E-09
URI (ΔCDF)	-7.25E-08	-3.11E-08	-2.82E-08	-2.57E-08	-2.66E-08	-2.74E-08	-2.82E-08	-2.89E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**7.80E-08**	**-1.60E-08**	**-2.40E-08**	**-2.80E-08**	**-2.90E-08**	**-3.00E-08**	**-3.10E-08**	**-3.10E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System

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

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	**1Q/10**	**2Q/10**	**3Q/10**	**4Q/10**	**1Q/11**	**2Q/11**	**3Q/11**	**4Q/11**
UAI (ΔCDF)	-6.16E-08	-4.22E-09	-5.87E-09	-5.88E-09	-6.24E-09	4.56E-09	5.95E-09	-4.23E-09
URI (ΔCDF)	-2.29E-07	-1.08E-07	-1.08E-07	-1.08E-07	-1.08E-07	-1.08E-07	-1.08E-07	-1.08E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.90E-07**	**-1.10E-07**	**-1.10E-07**	**-1.10E-07**	**-1.10E-07**	**-1.00E-07**	**-1.00E-07**	**-1.10E-07**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
UAI (ΔCDF)	9.81E-08	3.39E-08	4.69E-08	4.62E-08	2.87E-08	3.81E-08	3.81E-08	1.38E-08
URI (ΔCDF)	-1.02E-07	-1.28E-08	-1.29E-08	-1.28E-08	-1.28E-08	-1.28E-08	-1.29E-08	-1.29E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-4.30E-09**	**2.10E-08**	**3.40E-08**	**3.30E-08**	**1.60E-08**	**2.50E-08**	**2.50E-08**	**9.10E-10**

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	0.000033	0.000026	0.000026	0.000026	0.000027	0.000027	0.000026	0.000028	0.000029	0.000033	N/A	0.000023
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**N/A**	**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	0.000025	0.000027	0.000033	0.000019	0.000017	0.000014	0.000016	0.000011	0.000006	0.000023	0.000025	0.000027
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	1/10	2/10	3/10	4/10	5/10	6/10	7/10	8/10	9/10	10/10	11/10	12/10
Maximum leakage	1.620	1.620	1.620	1.630	1.630	1.630	1.630	1.630	1.630	1.630	0.240	1.600
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.5**	**6.5**	**6.5**	**6.5**	**6.5**	**6.5**	**6.5**	**6.5**	**6.5**	**6.5**	**1.0**	**6.4**
Reactor Coolant System Leakage	**1/11**	**2/11**	**3/11**	**4/11**	**5/11**	**6/11**	**7/11**	**8/11**	**9/11**	**10/11**	**11/11**	**12/11**
Maximum leakage	1.600	1.630	1.630	1.630	1.790	1.680	1.660	1.660	1.690	1.660	1.660	1.660
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.4**	**6.5**	**6.5**	**6.5**	**7.2**	**6.7**	**6.6**	**6.6**	**6.8**	**6.6**	**6.6**	**6.6**

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	17.0	41.0	76.0	20.0	18.0	31.0	46.0	30.0
Total opportunities	20.0	42.0	77.0	20.0	19.0	31.0	46.0	31.0
Indicator value	**95.5%**	**96.1%**	**96.8%**	**96.5%**	**96.2%**	**96.9%**	**97.8%**	**97.6%**

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
Participating Key personnel	116.0	118.0	112.0	122.0	120.0	120.0	121.0	119.0
Total Key personnel	121.0	129.0	121.0	123.0	120.0	120.0	121.0	119.0
Indicator value	**95.9%**	**91.5%**	**92.6%**	**99.2%**	**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	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11
Successful siren-tests	186	124	186	186	186	186	186	123
Total sirens-tests	186	124	186	186	186	186	186	124
Indicator value	**99.9%**	**99.9%**	**99.9%**	**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	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

Fermi 2

1Q/2012 Performance Indicators

Licensee's General Comments: MSPI data changes due to minor revisions of past unavailability data

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	1.0	0	0	0	0	0
Critical hours	1968.5	2208.0	1262.9	1784.8	2184.0	2208.0	2209.0	2042.0
Indicator value	**2.8**	**1.9**	**2.8**	**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	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
Unplanned power changes	0	0	1.0	1.0	0	0	1.0	0
Critical hours	1968.5	2208.0	1262.9	1784.8	2184.0	2208.0	2209.0	2042.0
Indicator value	**0.9**	**0**	**0.9**	**1.9**	**1.9**	**1.9**	**1.7**	**0.8**

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 (BWR)

Thresholds: White > 6.0

Notes

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

Licensee Comments:

4Q/11: LER 2011-01, Loss of the High Pressure Coolant Injection system due to an inoperable minimum flow valve.

1Q/11: February - Fermi 2 LER 2010-004

Mitigating Systems Performance Index, Emergency AC Power System

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

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**2Q/10**	**3Q/10**	**4Q/10**	**1Q/11**	**2Q/11**	**3Q/11**	**4Q/11**	**1Q/12**
UAI (ΔCDF)	2.82E-09	2.46E-09	2.16E-09	-5.74E-09	-5.60E-09	1.40E-09	5.00E-10	-4.61E-09
URI (ΔCDF)	-2.97E-07	-3.02E-07	-2.93E-07	-2.97E-07	-3.00E-07	-3.01E-07	-2.95E-07	-2.99E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.90E-07**	**-3.00E-07**	**-2.90E-07**	**-3.00E-07**	**-3.10E-07**	**-3.00E-07**	**-2.90E-07**	**-3.00E-07**

Licensee Comments:

2Q/10: 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/10**	**3Q/10**	**4Q/10**	**1Q/11**	**2Q/11**	**3Q/11**	**4Q/11**	**1Q/12**
UAI (ΔCDF)	-2.25E-09	-2.25E-09	-1.74E-10	-1.24E-10	-1.24E-10	5.29E-09	4.06E-09	4.07E-09
URI (ΔCDF)	-2.85E-08	-3.00E-08	-4.12E-09	-4.38E-09	-4.63E-09	2.01E-08	2.10E-08	1.96E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.10E-08**	**-3.20E-08**	**-4.30E-09**	**-4.50E-09**	**-4.80E-09**	**2.50E-08**	**2.50E-08**	**2.40E-08**

Licensee Comments:

2Q/10: 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/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
UAI (ΔCDF)	1.55E-08	4.11E-09	-2.09E-09	-2.37E-09	-2.37E-09	-2.37E-09	-2.37E-09	-2.37E-09
URI (ΔCDF)	-3.11E-08	-2.82E-08	-2.57E-08	-2.66E-08	-2.74E-08	-2.82E-08	-2.89E-08	-2.97E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.60E-08**	**-2.40E-08**	**-2.80E-08**	**-2.90E-08**	**-3.00E-08**	**-3.10E-08**	**-3.10E-08**	**-3.20E-08**

Licensee Comments:

2Q/10: Changed PRA Parameter(s).

Mitigating Systems Performance Index, Residual Heat Removal System

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

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	**2Q/10**	**3Q/10**	**4Q/10**	**1Q/11**	**2Q/11**	**3Q/11**	**4Q/11**	**1Q/12**
UAI (ΔCDF)	-4.22E-09	-5.87E-09	-5.88E-09	-6.24E-09	5.41E-09	6.79E-09	-4.23E-09	2.75E-09
URI (ΔCDF)	-1.08E-07	-1.08E-07	-1.08E-07	-1.08E-07	-1.08E-07	-1.08E-07	-1.08E-07	-1.08E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.10E-07**	**-1.10E-07**	**-1.10E-07**	**-1.10E-07**	**-1.00E-07**	**-1.00E-07**	**-1.10E-07**	**-1.10E-07**

Licensee Comments:

2Q/10: Changed PRA Parameter(s).

Mitigating Systems Performance Index, Cooling Water Systems

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**2Q/10**	**3Q/10**	**4Q/10**	**1Q/11**	**2Q/11**	**3Q/11**	**4Q/11**	**1Q/12**
UAI (ΔCDF)	3.39E-08	4.69E-08	4.63E-08	2.88E-08	3.83E-08	3.83E-08	1.39E-08	2.12E-08
URI (ΔCDF)	-1.28E-08	-1.29E-08	-1.28E-08	-1.28E-08	-1.28E-08	-1.29E-08	-1.29E-08	-1.29E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**2.10E-08**	**3.40E-08**	**3.30E-08**	**1.60E-08**	**2.50E-08**	**2.50E-08**	**1.00E-09**	**8.30E-09**

Licensee Comments:

2Q/10: Changed PRA Parameter(s).

Reactor Coolant System Activity

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	**4/10**	**5/10**	**6/10**	**7/10**	**8/10**	**9/10**	**10/10**	**11/10**	**12/10**	**1/11**	**2/11**	**3/11**
Maximum activity	0.000026	0.000027	0.000027	0.000026	0.000028	0.000029	0.000033	N/A	0.000023	0.000025	0.000027	0.000033
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**N/A**	**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	0.000019	0.000017	0.000014	0.000016	0.000011	0.000006	0.000023	0.000025	0.000027	0.000028	0.000031	0.000025
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**4/10**	**5/10**	**6/10**	**7/10**	**8/10**	**9/10**	**10/10**	**11/10**	**12/10**	**1/11**	**2/11**	**3/11**
Maximum leakage	1.630	1.630	1.630	1.630	1.630	1.630	1.630	0.240	1.600	1.600	1.630	1.630
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.5**	**6.5**	**6.5**	**6.5**	**6.5**	**6.5**	**6.5**	**1.0**	**6.4**	**6.4**	**6.5**	**6.5**
Reactor Coolant System Leakage	**4/11**	**5/11**	**6/11**	**7/11**	**8/11**	**9/11**	**10/11**	**11/11**	**12/11**	**1/12**	**2/12**	**3/12**
Maximum leakage	1.630	1.790	1.680	1.660	1.660	1.690	1.660	1.660	1.660	1.790	1.840	1.950
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.5**	**7.2**	**6.7**	**6.6**	**6.6**	**6.8**	**6.6**	**6.6**	**6.6**	**7.2**	**7.4**	**7.8**

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	41.0	76.0	20.0	18.0	31.0	46.0	30.0	6.0
Total opportunities	42.0	77.0	20.0	19.0	31.0	46.0	31.0	6.0
Indicator value	**96.1%**	**96.8%**	**96.5%**	**96.2%**	**96.9%**	**97.8%**	**97.6%**	**98.5%**

Licensee Comments: none

Notes

ERO Drill Participation	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12
Participating Key personnel	118.0	112.0	122.0	120.0	120.0	121.0	119.0	118.0
Total Key personnel	129.0	121.0	123.0	120.0	120.0	121.0	119.0	119.0
Indicator value	**91.5%**	**92.6%**	**99.2%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**99.2%**

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	124	186	186	186	186	186	123	186
Total sirens-tests	124	186	186	186	186	186	124	186
Indicator value	**99.9%**	**99.9%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**99.9%**	**99.9%**

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

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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	1.0	0	0	0	0	0	1.0
Critical hours	2208.0	1262.9	1784.8	2184.0	2208.0	2209.0	2042.0	1282.6
Indicator value	**1.9**	**2.8**	**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	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
Unplanned power changes	0	1.0	1.0	0	0	1.0	0	0
Critical hours	2208.0	1262.9	1784.8	2184.0	2208.0	2209.0	2042.0	1282.6
Indicator value	**0**	**0.9**	**1.9**	**1.9**	**1.9**	**1.7**	**0.8**	**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 (BWR)

Thresholds: White > 6.0

Notes

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

Licensee Comments:

2Q/12: LER 2012-001

4Q/11: LER 2011-01, Loss of the High Pressure Coolant Injection system due to an inoperable minimum flow valve.

1Q/11: February - Fermi 2 LER 2010-004

Mitigating Systems Performance Index, Emergency AC Power System

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

Notes

Mitigating Systems Performance Index, Emergency AC Power System	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
UAI (ΔCDF)	2.46E-09	2.16E-09	-5.74E-09	-5.60E-09	1.40E-09	5.00E-10	-4.61E-09	-4.99E-09
URI (ΔCDF)	-3.02E-07	-2.93E-07	-2.97E-07	-3.00E-07	-3.01E-07	-2.95E-07	-2.99E-07	-3.57E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.00E-07**	**-2.90E-07**	**-3.00E-07**	**-3.10E-07**	**-3.00E-07**	**-2.90E-07**	**-3.00E-07**	**-3.60E-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/10**	**4Q/10**	**1Q/11**	**2Q/11**	**3Q/11**	**4Q/11**	**1Q/12**	**2Q/12**
UAI (ΔCDF)	-2.25E-09	-1.74E-10	-1.24E-10	-1.24E-10	5.29E-09	4.06E-09	4.07E-09	4.13E-09
URI (ΔCDF)	-3.00E-08	-4.12E-09	-4.38E-09	-4.63E-09	2.01E-08	2.10E-08	1.96E-08	1.82E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.20E-08**	**-4.30E-09**	**-4.50E-09**	**-4.80E-09**	**2.50E-08**	**2.50E-08**	**2.40E-08**	**2.20E-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/10**	**4Q/10**	**1Q/11**	**2Q/11**	**3Q/11**	**4Q/11**	**1Q/12**	**2Q/12**
UAI (ΔCDF)	4.11E-09	-2.09E-09	-2.37E-09	-2.37E-09	-2.37E-09	-2.37E-09	-2.37E-09	-2.73E-09
URI (ΔCDF)	-2.82E-08	-2.57E-08	-2.66E-08	-2.74E-08	-2.82E-08	-2.89E-08	-2.97E-08	-3.04E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.40E-08**	**-2.80E-08**	**-2.90E-08**	**-3.00E-08**	**-3.10E-08**	**-3.10E-08**	**-3.20E-08**	**-3.30E-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	**3Q/10**	**4Q/10**	**1Q/11**	**2Q/11**	**3Q/11**	**4Q/11**	**1Q/12**	**2Q/12**
UAI (ΔCDF)	-5.87E-09	-5.88E-09	-6.24E-09	5.41E-09	6.79E-09	-4.23E-09	2.75E-09	3.28E-09
URI (ΔCDF)	-1.08E-07	-1.08E-07	-1.08E-07	-1.08E-07	-1.08E-07	-1.08E-07	-1.08E-07	-1.08E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.10E-07**	**-1.10E-07**	**-1.10E-07**	**-1.00E-07**	**-1.00E-07**	**-1.10E-07**	**-1.10E-07**	**-1.10E-07**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
UAI (ΔCDF)	4.69E-08	4.63E-08	2.88E-08	3.83E-08	3.83E-08	1.39E-08	2.12E-08	1.67E-08
URI (ΔCDF)	-1.29E-08	-1.28E-08	-1.28E-08	-1.28E-08	-1.29E-08	-1.29E-08	-1.29E-08	-1.28E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**3.40E-08**	**3.30E-08**	**1.60E-08**	**2.50E-08**	**2.50E-08**	**1.00E-09**	**8.30E-09**	**3.80E-09**

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	0.000026	0.000028	0.000029	0.000033	N/A	0.000023	0.000025	0.000027	0.000033	0.000019	0.000017	0.000014
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**N/A**	**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	0.000016	0.000011	0.000006	0.000023	0.000025	0.000027	0.000028	0.000031	0.000025	N/A	0.000028	0.000015
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**N/A**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**7/10**	**8/10**	**9/10**	**10/10**	**11/10**	**12/10**	**1/11**	**2/11**	**3/11**	**4/11**	**5/11**	**6/11**
Maximum leakage	1.630	1.630	1.630	1.630	0.240	1.600	1.600	1.630	1.630	1.630	1.790	1.680
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.5**	**6.5**	**6.5**	**6.5**	**1.0**	**6.4**	**6.4**	**6.5**	**6.5**	**6.5**	**7.2**	**6.7**
Reactor Coolant System Leakage	**7/11**	**8/11**	**9/11**	**10/11**	**11/11**	**12/11**	**1/12**	**2/12**	**3/12**	**4/12**	**5/12**	**6/12**
Maximum leakage	1.660	1.660	1.690	1.660	1.660	1.660	1.790	1.840	1.950	0	1.680	1.670
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.6**	**6.6**	**6.8**	**6.6**	**6.6**	**6.6**	**7.2**	**7.4**	**7.8**	**0**	**6.7**	**6.7**

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	76.0	20.0	18.0	31.0	46.0	30.0	6.0	10.0
Total opportunities	77.0	20.0	19.0	31.0	46.0	31.0	6.0	10.0
Indicator value	**96.8%**	**96.5%**	**96.2%**	**96.9%**	**97.8%**	**97.6%**	**98.5%**	**98.8%**

Licensee Comments: none

Notes

ERO Drill Participation	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
Participating Key personnel	112.0	122.0	120.0	120.0	121.0	119.0	118.0	116.0
Total Key personnel	121.0	123.0	120.0	120.0	121.0	119.0	119.0	117.0
Indicator value	**92.6%**	**99.2%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**99.2%**	**99.1%**

Licensee Comments: none

Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/10	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12
Successful siren-tests	186	186	186	186	186	123	186	186
Total sirens-tests	186	186	186	186	186	124	186	186
Indicator value	**99.9%**	**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	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.

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3Q/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	4Q/10	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12
Unplanned scrams	1.0	0	0	0	0	0	1.0	1.0
Critical hours	1262.9	1784.8	2184.0	2208.0	2209.0	2042.0	1282.6	1487.1
Indicator value	**2.8**	**1.9**	**0.9**	**0.9**	**0**	**0**	**0.9**	**2.0**

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	1.0	1.0	0	0	1.0	0	0	0
Critical hours	1262.9	1784.8	2184.0	2208.0	2209.0	2042.0	1282.6	1487.1
Indicator value	**0.9**	**1.9**	**1.9**	**1.9**	**1.7**	**0.8**	**0.9**	**1.0**

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 > 6.0

Notes

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

Licensee Comments:

2Q/12: LER 2012-001

4Q/11: LER 2011-01, Loss of the High Pressure Coolant Injection system due to an inoperable minimum flow valve.

1Q/11: February - Fermi 2 LER 2010-004

Mitigating Systems Performance Index, Emergency AC Power System

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

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**4Q/10**	**1Q/11**	**2Q/11**	**3Q/11**	**4Q/11**	**1Q/12**	**2Q/12**	**3Q/12**
UAI (ΔCDF)	2.16E-09	-5.74E-09	-5.60E-09	1.40E-09	5.00E-10	-4.61E-09	-4.99E-09	-4.30E-09
URI (ΔCDF)	-2.93E-07	-2.97E-07	-3.00E-07	-3.01E-07	-2.95E-07	-2.99E-07	-3.57E-07	-3.61E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.90E-07**	**-3.00E-07**	**-3.10E-07**	**-3.00E-07**	**-2.90E-07**	**-3.00E-07**	**-3.60E-07**	**-3.60E-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/10**	**1Q/11**	**2Q/11**	**3Q/11**	**4Q/11**	**1Q/12**	**2Q/12**	**3Q/12**
UAI (ΔCDF)	-1.74E-10	-1.24E-10	-1.24E-10	5.29E-09	4.06E-09	4.07E-09	4.13E-09	4.38E-09
URI (ΔCDF)	-4.12E-09	-4.38E-09	-4.63E-09	2.01E-08	2.10E-08	1.96E-08	1.82E-08	1.65E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-4.30E-09**	**-4.50E-09**	**-4.80E-09**	**2.50E-08**	**2.50E-08**	**2.40E-08**	**2.20E-08**	**2.10E-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/10**	**1Q/11**	**2Q/11**	**3Q/11**	**4Q/11**	**1Q/12**	**2Q/12**	**3Q/12**
UAI (ΔCDF)	-2.09E-09	-2.37E-09	-2.37E-09	-2.37E-09	-2.37E-09	-2.37E-09	-2.73E-09	-2.72E-09
URI (ΔCDF)	-2.57E-08	-2.66E-08	-2.74E-08	-2.82E-08	-2.89E-08	-2.97E-08	-3.04E-08	-3.18E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.80E-08**	**-2.90E-08**	**-3.00E-08**	**-3.10E-08**	**-3.10E-08**	**-3.20E-08**	**-3.30E-08**	**-3.50E-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	**4Q/10**	**1Q/11**	**2Q/11**	**3Q/11**	**4Q/11**	**1Q/12**	**2Q/12**	**3Q/12**
UAI (ΔCDF)	-5.88E-09	-6.24E-09	5.41E-09	6.79E-09	-4.23E-09	2.75E-09	3.28E-09	4.46E-09
URI (ΔCDF)	-1.08E-07	-1.08E-07	-1.08E-07	-1.08E-07	-1.08E-07	-1.08E-07	-1.08E-07	-1.08E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.10E-07**	**-1.10E-07**	**-1.00E-07**	**-1.00E-07**	**-1.10E-07**	**-1.10E-07**	**-1.10E-07**	**-1.00E-07**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems

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

Notes

Mitigating Systems Performance Index, Cooling Water Systems	**4Q/10**	**1Q/11**	**2Q/11**	**3Q/11**	**4Q/11**	**1Q/12**	**2Q/12**	**3Q/12**
UAI (ΔCDF)	4.63E-08	2.88E-08	3.83E-08	3.83E-08	1.39E-08	2.12E-08	1.67E-08	1.84E-08
URI (ΔCDF)	-1.28E-08	-1.28E-08	-1.28E-08	-1.29E-08	-1.29E-08	-1.29E-08	-1.28E-08	-1.29E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**3.30E-08**	**1.60E-08**	**2.50E-08**	**2.50E-08**	**1.00E-09**	**8.30E-09**	**3.80E-09**	**5.60E-09**

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	0.000033	N/A	0.000023	0.000025	0.000027	0.000033	0.000019	0.000017	0.000014	0.000016	0.000011	0.000006
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**N/A**	**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	0.000023	0.000025	0.000027	0.000028	0.000031	0.000025	N/A	0.000028	0.000015	N/A	0.000015	0.000016
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**N/A**	**0**	**0**	**N/A**	**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	1.630	0.240	1.600	1.600	1.630	1.630	1.630	1.790	1.680	1.660	1.660	1.690
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.5**	**1.0**	**6.4**	**6.4**	**6.5**	**6.5**	**6.5**	**7.2**	**6.7**	**6.6**	**6.6**	**6.8**
Reactor Coolant System Leakage	**10/11**	**11/11**	**12/11**	**1/12**	**2/12**	**3/12**	**4/12**	**5/12**	**6/12**	**7/12**	**8/12**	**9/12**
Maximum leakage	1.660	1.660	1.660	1.790	1.840	1.950	0	1.680	1.670	1.710	1.720	1.720
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.6**	**6.6**	**6.6**	**7.2**	**7.4**	**7.8**	**0**	**6.7**	**6.7**	**6.8**	**6.9**	**6.9**

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	20.0	18.0	31.0	46.0	30.0	6.0	10.0	50.0
Total opportunities	20.0	19.0	31.0	46.0	31.0	6.0	10.0	53.0
Indicator value	**96.5%**	**96.2%**	**96.9%**	**97.8%**	**97.6%**	**98.5%**	**98.8%**	**97.7%**

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	122.0	120.0	120.0	121.0	119.0	118.0	116.0	115.0
Total Key personnel	123.0	120.0	120.0	121.0	119.0	119.0	117.0	115.0
Indicator value	**99.2%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**99.2%**	**99.1%**	**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	186	186	186	186	123	186	186	186
Total sirens-tests	186	186	186	186	124	186	186	186
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**99.9%**	**99.9%**	**99.9%**	**99.9%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	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

Fermi 2

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	0	0	1.0	1.0	1.0
Critical hours	1784.8	2184.0	2208.0	2209.0	2042.0	1282.6	1487.1	918.6
Indicator value	**1.9**	**0.9**	**0.9**	**0**	**0**	**0.9**	**2.0**	**3.7**

Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/11	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12
Unplanned power changes	1.0	0	0	1.0	0	0	0	0
Critical hours	1784.8	2184.0	2208.0	2209.0	2042.0	1282.6	1487.1	918.6
Indicator value	**1.9**	**1.9**	**1.9**	**1.7**	**0.8**	**0.9**	**1.0**	**0**

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 (BWR)

Thresholds: White > 6.0

Notes

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

Licensee Comments:

2Q/12: LER 2012-001

4Q/11: LER 2011-01, Loss of the High Pressure Coolant Injection system due to an inoperable minimum flow valve.

1Q/11: February - Fermi 2 LER 2010-004

Mitigating Systems Performance Index, Emergency AC Power System

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

Notes

Mitigating Systems Performance Index, Emergency AC Power System	**1Q/11**	**2Q/11**	**3Q/11**	**4Q/11**	**1Q/12**	**2Q/12**	**3Q/12**	**4Q/12**
UAI (ΔCDF)	-5.74E-09	-5.60E-09	1.40E-09	5.00E-10	-4.61E-09	-4.99E-09	-4.30E-09	-3.57E-09
URI (ΔCDF)	-2.97E-07	-3.00E-07	-3.01E-07	-2.95E-07	-2.99E-07	-3.57E-07	-3.61E-07	-3.58E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.00E-07**	**-3.10E-07**	**-3.00E-07**	**-2.90E-07**	**-3.00E-07**	**-3.60E-07**	**-3.60E-07**	**-3.60E-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/11**	**2Q/11**	**3Q/11**	**4Q/11**	**1Q/12**	**2Q/12**	**3Q/12**	**4Q/12**
UAI (ΔCDF)	-1.24E-10	-1.24E-10	5.29E-09	4.06E-09	4.07E-09	4.13E-09	4.38E-09	4.49E-09
URI (ΔCDF)	-4.38E-09	-4.63E-09	2.01E-08	2.10E-08	1.96E-08	1.82E-08	1.65E-08	1.65E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-4.50E-09**	**-4.80E-09**	**2.50E-08**	**2.50E-08**	**2.40E-08**	**2.20E-08**	**2.10E-08**	**2.10E-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/11**	**2Q/11**	**3Q/11**	**4Q/11**	**1Q/12**	**2Q/12**	**3Q/12**	**4Q/12**
UAI (ΔCDF)	-2.37E-09	-2.37E-09	-2.37E-09	-2.37E-09	-2.37E-09	-2.73E-09	-2.72E-09	-2.72E-09
URI (ΔCDF)	-2.66E-08	-2.74E-08	-2.82E-08	-2.89E-08	-2.97E-08	-3.04E-08	-3.18E-08	-3.18E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.90E-08**	**-3.00E-08**	**-3.10E-08**	**-3.10E-08**	**-3.20E-08**	**-3.30E-08**	**-3.50E-08**	**-3.50E-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	**1Q/11**	**2Q/11**	**3Q/11**	**4Q/11**	**1Q/12**	**2Q/12**	**3Q/12**	**4Q/12**
UAI (ΔCDF)	-6.24E-09	5.41E-09	6.79E-09	-4.23E-09	2.75E-09	3.28E-09	4.46E-09	1.13E-08
URI (ΔCDF)	-1.08E-07	-1.08E-07	-1.08E-07	-1.08E-07	-1.08E-07	-1.08E-07	-1.08E-07	-1.08E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.10E-07**	**-1.00E-07**	**-1.00E-07**	**-1.10E-07**	**-1.10E-07**	**-1.10E-07**	**-1.00E-07**	**-9.70E-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/11**	**2Q/11**	**3Q/11**	**4Q/11**	**1Q/12**	**2Q/12**	**3Q/12**	**4Q/12**
UAI (ΔCDF)	2.88E-08	3.83E-08	3.83E-08	1.39E-08	2.12E-08	1.67E-08	1.84E-08	1.37E-08
URI (ΔCDF)	-1.28E-08	-1.28E-08	-1.29E-08	-1.29E-08	-1.29E-08	-1.28E-08	-1.29E-08	-1.29E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.60E-08**	**2.50E-08**	**2.50E-08**	**1.00E-09**	**8.30E-09**	**3.80E-09**	**5.60E-09**	**8.50E-10**

Licensee Comments: none

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	0.000025	0.000027	0.000033	0.000019	0.000017	0.000014	0.000016	0.000011	0.000006	0.000023	0.000025	0.000027
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Activity	**1/12**	**2/12**	**3/12**	**4/12**	**5/12**	**6/12**	**7/12**	**8/12**	**9/12**	**10/12**	**11/12**	**12/12**
Maximum activity	0.000028	0.000031	0.000025	N/A	0.000028	0.000015	N/A	0.000015	0.000016	0.000018	0.000018	N/A
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**N/A**	**0**	**0**	**N/A**	**0**	**0**	**0**	**0**	**N/A**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**1/11**	**2/11**	**3/11**	**4/11**	**5/11**	**6/11**	**7/11**	**8/11**	**9/11**	**10/11**	**11/11**	**12/11**
Maximum leakage	1.600	1.630	1.630	1.630	1.790	1.680	1.660	1.660	1.690	1.660	1.660	1.660
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.4**	**6.5**	**6.5**	**6.5**	**7.2**	**6.7**	**6.6**	**6.6**	**6.8**	**6.6**	**6.6**	**6.6**

Reactor Coolant System Leakage	**1/12**	**2/12**	**3/12**	**4/12**	**5/12**	**6/12**	**7/12**	**8/12**	**9/12**	**10/12**	**11/12**	**12/12**
Maximum leakage	1.790	1.840	1.950	0	1.680	1.670	1.710	1.720	1.720	1.730	1.730	0.630
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**7.2**	**7.4**	**7.8**	**0**	**6.7**	**6.7**	**6.8**	**6.9**	**6.9**	**6.9**	**6.9**	**2.5**

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	18.0	31.0	46.0	30.0	6.0	10.0	50.0	34.0
Total opportunities	19.0	31.0	46.0	31.0	6.0	10.0	53.0	35.0
Indicator value	**96.2%**	**96.9%**	**97.8%**	**97.6%**	**98.5%**	**98.8%**	**97.7%**	**97.4%**

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	120.0	120.0	121.0	119.0	118.0	116.0	115.0	116.0
Total Key personnel	120.0	120.0	121.0	119.0	119.0	117.0	115.0	117.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**99.2%**	**99.1%**	**100.0%**	**99.1%**

Licensee Comments: none

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	186	186	186	123	186	186	186	184
Total sirens-tests	186	186	186	124	186	186	186	186
Indicator value	**100.0%**	**100.0%**	**100.0%**	**99.9%**	**99.9%**	**99.9%**	**99.9%**	**99.7%**

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

Fermi 2

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	0	0	1.0	1.0	1.0	0
Critical hours	2184.0	2208.0	2209.0	2042.0	1282.6	1487.1	918.6	2159.0
Indicator value	**0.9**	**0.9**	**0**	**0**	**0.9**	**2.0**	**3.7**	**3.6**

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	1.0	0	0	0	0	1.0
Critical hours	2184.0	2208.0	2209.0	2042.0	1282.6	1487.1	918.6	2159.0
Indicator value	**1.9**	**1.9**	**1.7**	**0.8**	**0.9**	**1.0**	**0**	**1.2**

Licensee Comments: none

Unplanned Scrams with Complications

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 > 6.0

Notes

Safety System Functional Failures (BWR)	2Q/11	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13
Safety System Functional Failures	0	0	1	0	1	0	0	1
Indicator value	**1**	**1**	**2**	**1**	**2**	**2**	**1**	**2**

Licensee Comments:

1Q/13: LER 13-001, Loss of Secondary Containment Function

2Q/12: LER 2012-001

4Q/11: LER 2011-01, Loss of the High Pressure Coolant Injection system due to an inoperable minimum flow valve.

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)	-5.60E-09	1.40E-09	5.00E-10	-4.61E-09	-4.99E-09	-4.30E-09	-3.57E-09	-4.04E-09
URI (ΔCDF)	-3.00E-07	-3.01E-07	-2.95E-07	-2.99E-07	-3.57E-07	-3.61E-07	-3.58E-07	-3.55E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.10E-07**	**-3.00E-07**	**-2.90E-07**	**-3.00E-07**	**-3.60E-07**	**-3.60E-07**	**-3.60E-07**	**-3.60E-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/11**	**3Q/11**	**4Q/11**	**1Q/12**	**2Q/12**	**3Q/12**	**4Q/12**	**1Q/13**
UAI (ΔCDF)	-1.24E-10	5.29E-09	4.06E-09	4.07E-09	4.13E-09	4.38E-09	4.49E-09	4.47E-09
URI (ΔCDF)	-4.63E-09	2.01E-08	2.10E-08	1.96E-08	1.82E-08	1.65E-08	1.65E-08	1.65E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-4.80E-09**	**2.50E-08**	**2.50E-08**	**2.40E-08**	**2.20E-08**	**2.10E-08**	**2.10E-08**	**2.10E-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/11**	**3Q/11**	**4Q/11**	**1Q/12**	**2Q/12**	**3Q/12**	**4Q/12**	**1Q/13**
UAI (ΔCDF)	-2.37E-09	-2.37E-09	-2.37E-09	-2.37E-09	-2.73E-09	-2.72E-09	-2.72E-09	-2.72E-09
URI (ΔCDF)	-2.74E-08	-2.82E-08	-2.89E-08	-2.97E-08	-3.04E-08	-3.18E-08	-3.18E-08	-3.18E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.00E-08**	**-3.10E-08**	**-3.10E-08**	**-3.20E-08**	**-3.30E-08**	**-3.50E-08**	**-3.50E-08**	**-3.50E-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/11**	**3Q/11**	**4Q/11**	**1Q/12**	**2Q/12**	**3Q/12**	**4Q/12**	**1Q/13**
UAI (ΔCDF)	5.41E-09	6.79E-09	-4.23E-09	2.75E-09	3.28E-09	4.46E-09	1.13E-08	1.20E-08
URI (ΔCDF)	-1.08E-07	-1.08E-07	-1.08E-07	-1.08E-07	-1.08E-07	-1.08E-07	-1.08E-07	-1.08E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.00E-07**	**-1.00E-07**	**-1.10E-07**	**-1.10E-07**	**-1.10E-07**	**-1.00E-07**	**-9.70E-08**	**-9.60E-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/11**	**3Q/11**	**4Q/11**	**1Q/12**	**2Q/12**	**3Q/12**	**4Q/12**	**1Q/13**
UAI (ΔCDF)	3.83E-08	3.83E-08	1.39E-08	2.12E-08	1.67E-08	1.84E-08	1.37E-08	1.35E-08
URI (ΔCDF)	-1.28E-08	-1.29E-08	-1.29E-08	-1.29E-08	-1.28E-08	-1.29E-08	-1.29E-08	-1.29E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**2.50E-08**	**2.50E-08**	**1.00E-09**	**8.30E-09**	**3.80E-09**	**5.60E-09**	**8.50E-10**	**6.50E-10**

Licensee Comments: none

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	0.000019	0.000017	0.000014	0.000016	0.000011	0.000006	0.000023	0.000025	0.000027	0.000028	0.000031	0.000025
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Activity	**4/12**	**5/12**	**6/12**	**7/12**	**8/12**	**9/12**	**10/12**	**11/12**	**12/12**	**1/13**	**2/13**	**3/13**
Maximum activity	N/A	0.000028	0.000015	N/A	0.000015	0.000016	0.000018	0.000018	N/A	0.000021	0.000020	0.000019
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**N/A**	**0**	**0**	**N/A**	**0**	**0**	**0**	**0**	**N/A**	**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	1.630	1.790	1.680	1.660	1.660	1.690	1.660	1.660	1.660	1.790	1.840	1.950
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.5**	**7.2**	**6.7**	**6.6**	**6.6**	**6.8**	**6.6**	**6.6**	**6.6**	**7.2**	**7.4**	**7.8**
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	1.680	1.670	1.710	1.720	1.720	1.730	1.730	0.630	1.800	1.800	1.810
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**0**	**6.7**	**6.7**	**6.8**	**6.9**	**6.9**	**6.9**	**6.9**	**2.5**	**7.2**	**7.2**	**7.2**

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	31.0	46.0	30.0	6.0	10.0	50.0	34.0	42.0
Total opportunities	31.0	46.0	31.0	6.0	10.0	53.0	35.0	43.0
Indicator value	**96.9%**	**97.8%**	**97.6%**	**98.5%**	**98.8%**	**97.7%**	**97.4%**	**97.6%**

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	120.0	121.0	119.0	118.0	116.0	115.0	116.0	116.0
Total Key personnel	120.0	121.0	119.0	119.0	117.0	115.0	117.0	116.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**99.2%**	**99.1%**	**100.0%**	**99.1%**	**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	186	186	123	186	186	186	184	186
Total sirens-tests	186	186	124	186	186	186	186	186
Indicator value	**100.0%**	**100.0%**	**99.9%**	**99.9%**	**99.9%**	**99.9%**	**99.7%**	**99.7%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

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

Fermi 2

2Q/2013 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: PRA model updated and MSPI basis document revised in 2Q2013.

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
Unplanned scrams	0	0	0	1.0	1.0	1.0	0	0
Critical hours	2208.0	2209.0	2042.0	1282.6	1487.1	918.6	2159.0	1880.7
Indicator value	**0.9**	**0**	**0**	**0.9**	**2.0**	**3.7**	**3.6**	**2.2**

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	1.0	0	0	0	0	0	0
Critical hours	2208.0	2209.0	2042.0	1282.6	1487.1	918.6	2159.0	1880.7
Indicator value	**1.9**	**1.7**	**0.8**	**0.9**	**1.0**	**0**	**0**	**0**

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 > 6.0

Notes

Safety System Functional Failures (BWR)	3Q/11	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13
Safety System Functional Failures	0	1	0	1	0	0	1	0
Indicator value	**1**	**2**	**1**	**2**	**2**	**1**	**2**	**1**

Licensee Comments:

1Q/13: LER 13-001, Loss of Secondary Containment Function

2Q/12: LER 2012-001

4Q/11: LER 2011-01, Loss of the High Pressure Coolant Injection system due to an inoperable minimum flow valve.

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)	1.40E-09	5.00E-10	-4.61E-09	-4.99E-09	-4.30E-09	-3.57E-09	-4.04E-09	-1.44E-09
URI (ΔCDF)	-3.01E-07	-2.95E-07	-2.99E-07	-3.57E-07	-3.61E-07	-3.58E-07	-3.55E-07	-3.50E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.00E-07**	**-2.90E-07**	**-3.00E-07**	**-3.60E-07**	**-3.60E-07**	**-3.60E-07**	**-3.60E-07**	**-3.60E-08**

Licensee Comments:

2Q/13: Changed PRA Parameter(s). PRA model updated and MSPI basis document revised.

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)	5.29E-09	4.06E-09	4.07E-09	4.13E-09	4.38E-09	4.49E-09	4.47E-09	3.41E-08
URI (ΔCDF)	2.01E-08	2.10E-08	1.96E-08	1.82E-08	1.65E-08	1.65E-08	1.65E-08	2.78E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**2.50E-08**	**2.50E-08**	**2.40E-08**	**2.20E-08**	**2.10E-08**	**2.10E-08**	**2.10E-08**	**6.20E-08**

Licensee Comments:

2Q/13: Changed PRA Parameter(s). PRA model updated and MSPI basis document revised.

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)	-2.37E-09	-2.37E-09	-2.37E-09	-2.73E-09	-2.72E-09	-2.72E-09	-2.72E-09	-9.25E-10
URI (ΔCDF)	-2.82E-08	-2.89E-08	-2.97E-08	-3.04E-08	-3.18E-08	-3.18E-08	-3.18E-08	-2.81E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.10E-08**	**-3.10E-08**	**-3.20E-08**	**-3.30E-08**	**-3.50E-08**	**-3.50E-08**	**-3.50E-08**	**-3.70E-09**

Licensee Comments:

2Q/13: Changed PRA Parameter(s). PRA model updated and MSPI basis document revised.

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)	6.79E-09	-4.23E-09	2.75E-09	3.28E-09	4.46E-09	1.13E-08	1.20E-08	2.04E-09
URI (ΔCDF)	-1.08E-07	-1.08E-07	-1.08E-07	-1.08E-07	-1.08E-07	-1.08E-07	-1.08E-07	-4.30E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.00E-07**	**-1.10E-07**	**-1.10E-07**	**-1.10E-07**	**-1.00E-07**	**-9.70E-08**	**-9.60E-08**	**-2.30E-09**

Licensee Comments:

2Q/13: Changed PRA Parameter(s). PRA model updated and MSPI basis document revised.

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)	3.83E-08	1.39E-08	2.12E-08	1.67E-08	1.84E-08	1.37E-08	1.35E-08	-1.42E-10
URI (ΔCDF)	-1.29E-08	-1.29E-08	-1.29E-08	-1.28E-08	-1.29E-08	-1.29E-08	-1.29E-08	-2.59E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**2.50E-08**	**1.00E-09**	**8.30E-09**	**3.80E-09**	**5.60E-09**	**8.50E-10**	**6.50E-10**	**-4.00E-10**

Licensee Comments:

2Q/13: Changed PRA Parameter(s). PRA model updated and MSPI basis document revised.

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	0.000016	0.000011	0.000006	0.000023	0.000025	0.000027	0.000028	0.000031	0.000025	N/A	0.000028	0.000015
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**N/A**	**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	N/A	0.000015	0.000016	0.000018	0.000018	N/A	0.000021	0.000020	0.000019	0.000019	0.000021	0.000022
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**N/A**	**0**	**0**	**0**	**0**	**N/A**	**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	1.660	1.660	1.690	1.660	1.660	1.660	1.790	1.840	1.950	0	1.680	1.670
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.6**	**6.6**	**6.8**	**6.6**	**6.6**	**6.6**	**7.2**	**7.4**	**7.8**	**0**	**6.7**	**6.7**
Reactor Coolant System Leakage	**7/12**	**8/12**	**9/12**	**10/12**	**11/12**	**12/12**	**1/13**	**2/13**	**3/13**	**4/13**	**5/13**	**6/13**
Maximum leakage	1.710	1.720	1.720	1.730	1.730	0.630	1.800	1.800	1.810	1.810	1.790	1.680
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.8**	**6.9**	**6.9**	**6.9**	**6.9**	**2.5**	**7.2**	**7.2**	**7.2**	**7.2**	**7.2**	**6.7**

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	46.0	30.0	6.0	10.0	50.0	34.0	42.0	17.0
Total opportunities	46.0	31.0	6.0	10.0	53.0	35.0	43.0	17.0
Indicator value	**97.8%**	**97.6%**	**98.5%**	**98.8%**	**97.7%**	**97.4%**	**97.6%**	**97.5%**

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	121.0	119.0	118.0	116.0	115.0	116.0	116.0	116.0
Total Key personnel	121.0	119.0	119.0	117.0	115.0	117.0	116.0	116.0
Indicator value	**100.0%**	**100.0%**	**99.2%**	**99.1%**	**100.0%**	**99.1%**	**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	186	123	186	186	186	184	186	186
Total sirens-tests	186	124	186	186	186	186	186	186
Indicator value	**100.0%**	**99.9%**	**99.9%**	**99.9%**	**99.9%**	**99.7%**	**99.7%**	**99.7%**

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

Fermi 2

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	0	0	1.0	1.0	1.0	0	0	0
Critical hours	2209.0	2042.0	1282.6	1487.1	918.6	2159.0	1880.7	1897.4
Indicator value	**0**	**0**	**0.9**	**2.0**	**3.7**	**3.6**	**2.2**	**1.0**

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	1.0	0	0	0	0	0	0	0
Critical hours	2209.0	2042.0	1282.6	1487.1	918.6	2159.0	1880.7	1897.4
Indicator value	**1.7**	**0.8**	**0.9**	**1.0**	**0**	**0**	**0**	**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 > 6.0

Notes

Safety System Functional Failures (BWR)	4Q/11	1Q/12	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13
Safety System Functional Failures	1	0	1	0	0	1	0	0
Indicator value	**2**	**1**	**2**	**2**	**1**	**2**	**1**	**1**

Licensee Comments:

1Q/13: LER 13-001, Loss of Secondary Containment Function

2Q/12: LER 2012-001

4Q/11: LER 2011-01, Loss of the High Pressure Coolant Injection system due to an inoperable minimum flow valve.

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)	5.00E-10	-4.61E-09	-4.99E-09	-4.30E-09	-3.57E-09	-4.04E-09	-1.44E-09	2.05E-10
URI (ΔCDF)	-2.95E-07	-2.99E-07	-3.57E-07	-3.61E-07	-3.58E-07	-3.55E-07	-3.50E-08	-1.05E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.90E-07**	**-3.00E-07**	**-3.60E-07**	**-3.60E-07**	**-3.60E-07**	**-3.60E-07**	**-3.60E-08**	**-1.00E-08**

Licensee Comments:

2Q/13: Changed PRA Parameter(s). PRA model updated and MSPI basis document revised.

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)	4.06E-09	4.07E-09	4.13E-09	4.38E-09	4.49E-09	4.47E-09	3.41E-08	3.50E-08
URI (ΔCDF)	2.10E-08	1.96E-08	1.82E-08	1.65E-08	1.65E-08	1.65E-08	2.78E-08	2.78E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**2.50E-08**	**2.40E-08**	**2.20E-08**	**2.10E-08**	**2.10E-08**	**2.10E-08**	**6.20E-08**	**6.30E-08**

Licensee Comments:

2Q/13: Changed PRA Parameter(s). PRA model updated and MSPI basis document revised.

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)	-2.37E-09	-2.37E-09	-2.73E-09	-2.72E-09	-2.72E-09	-2.72E-09	-9.25E-10	-9.25E-10
URI (ΔCDF)	-2.89E-08	-2.97E-08	-3.04E-08	-3.18E-08	-3.18E-08	-3.18E-08	-2.81E-09	-2.39E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.10E-08**	**-3.20E-08**	**-3.30E-08**	**-3.50E-08**	**-3.50E-08**	**-3.50E-08**	**-3.70E-09**	**-3.30E-09**

Licensee Comments:

2Q/13: Changed PRA Parameter(s). PRA model updated and MSPI basis document revised.

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)	-4.23E-09	2.75E-09	3.28E-09	4.46E-09	1.13E-08	1.20E-08	2.04E-09	2.16E-09
URI (ΔCDF)	-1.08E-07	-1.08E-07	-1.08E-07	-1.08E-07	-1.08E-07	-1.08E-07	-4.30E-09	-4.30E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.10E-07**	**-1.10E-07**	**-1.10E-07**	**-1.00E-07**	**-9.70E-08**	**-9.60E-08**	**-2.30E-09**	**-2.10E-09**

Licensee Comments:

2Q/13: Changed PRA Parameter(s). PRA model updated and MSPI basis document revised.

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)	1.39E-08	2.12E-08	1.67E-08	1.84E-08	1.37E-08	1.35E-08	-1.42E-10	5.96E-10
URI (ΔCDF)	-1.29E-08	-1.29E-08	-1.28E-08	-1.29E-08	-1.29E-08	-1.29E-08	-2.59E-10	-2.59E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.00E-09**	**8.30E-09**	**3.80E-09**	**5.60E-09**	**8.50E-10**	**6.50E-10**	**-4.00E-10**	**3.40E-10**

Licensee Comments:

2Q/13: Changed PRA Parameter(s). PRA model updated and MSPI basis document revised.

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	0.000023	0.000025	0.000027	0.000028	0.000031	0.000025	N/A	0.000028	0.000015	N/A	0.000015	0.000016
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**N/A**	**0**	**0**	**N/A**	**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	0.000018	0.000018	N/A	0.000021	0.000020	0.000019	0.000019	0.000021	0.000022	0.000024	0.000016	0.000014
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**N/A**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	10/11	11/11	12/11	1/12	2/12	3/12	4/12	5/12	6/12	7/12	8/12	9/12
Maximum leakage	1.660	1.660	1.660	1.790	1.840	1.950	0	1.680	1.670	1.710	1.720	1.720
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.6**	**6.6**	**6.6**	**7.2**	**7.4**	**7.8**	**0**	**6.7**	**6.7**	**6.8**	**6.9**	**6.9**
Reactor Coolant System Leakage	**10/12**	**11/12**	**12/12**	**1/13**	**2/13**	**3/13**	**4/13**	**5/13**	**6/13**	**7/13**	**8/13**	**9/13**
Maximum leakage	1.730	1.730	0.630	1.800	1.800	1.810	1.810	1.790	1.680	1.670	1.690	1.630
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.9**	**6.9**	**2.5**	**7.2**	**7.2**	**7.2**	**7.2**	**7.2**	**6.7**	**6.7**	**6.8**	**6.5**

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	30.0	6.0	10.0	50.0	34.0	42.0	17.0	80.0
Total opportunities	31.0	6.0	10.0	53.0	35.0	43.0	17.0	80.0
Indicator value	**97.6%**	**98.5%**	**98.8%**	**97.7%**	**97.4%**	**97.6%**	**97.5%**	**97.8%**

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	119.0	118.0	116.0	115.0	116.0	116.0	116.0	115.0
Total Key personnel	119.0	119.0	117.0	115.0	117.0	116.0	116.0	115.0
Indicator value	**100.0%**	**99.2%**	**99.1%**	**100.0%**	**99.1%**	**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	123	186	186	186	184	186	186	186
Total sirens-tests	124	186	186	186	186	186	186	186
Indicator value	**99.9%**	**99.9%**	**99.9%**	**99.9%**	**99.7%**	**99.7%**	**99.7%**	**99.7%**

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

Fermi 2

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	1.0	1.0	1.0	0	0	0	0
Critical hours	2042.0	1282.6	1487.1	918.6	2159.0	1880.7	1897.4	2209.0
Indicator value	**0**	**0.9**	**2.0**	**3.7**	**3.6**	**2.2**	**1.0**	**0**

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	0	0	0	0	0	0	0	0
Critical hours	2042.0	1282.6	1487.1	918.6	2159.0	1880.7	1897.4	2209.0
Indicator value	**0.8**	**0.9**	**1.0**	**0**	**0**	**0**	**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 > 6.0

Notes

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

Licensee Comments:

1Q/13: LER 13-001, Loss of Secondary Containment Function

2Q/12: LER 2012-001

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)	-4.61E-09	-4.99E-09	-4.30E-09	-3.57E-09	-4.04E-09	-1.44E-09	2.05E-10	3.80E-09
URI (ΔCDF)	-2.99E-07	-3.57E-07	-3.61E-07	-3.58E-07	-3.55E-07	-3.50E-08	-1.05E-08	-9.94E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.00E-07**	**-3.60E-07**	**-3.60E-07**	**-3.60E-07**	**-3.60E-07**	**-3.60E-08**	**-1.00E-08**	**-6.10E-09**

Licensee Comments:

2Q/13: Changed PRA Parameter(s). PRA model updated and MSPI basis document revised.

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)	4.07E-09	4.13E-09	4.38E-09	4.49E-09	4.47E-09	3.41E-08	3.50E-08	1.59E-08
URI (ΔCDF)	1.96E-08	1.82E-08	1.65E-08	1.65E-08	1.65E-08	2.78E-08	2.78E-08	-8.39E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**2.40E-08**	**2.20E-08**	**2.10E-08**	**2.10E-08**	**2.10E-08**	**6.20E-08**	**6.30E-08**	**7.50E-09**

Licensee Comments:

2Q/13: Changed PRA Parameter(s). PRA model updated and MSPI basis document revised.

Mitigating Systems Performance Index, Heat Removal System

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

Notes

Mitigating Systems Performance Index, Heat Removal System	**1Q/12**	**2Q/12**	**3Q/12**	**4Q/12**	**1Q/13**	**2Q/13**	**3Q/13**	**4Q/13**
UAI (ΔCDF)	-2.37E-09	-2.73E-09	-2.72E-09	-2.72E-09	-2.72E-09	-9.25E-10	-9.25E-10	-9.25E-10
URI (ΔCDF)	-2.97E-08	-3.04E-08	-3.18E-08	-3.18E-08	-3.18E-08	-2.81E-09	-2.39E-09	-2.39E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.20E-08**	**-3.30E-08**	**-3.50E-08**	**-3.50E-08**	**-3.50E-08**	**-3.70E-09**	**-3.30E-09**	**-3.30E-09**

Licensee Comments:

2Q/13: Changed PRA Parameter(s). PRA model updated and MSPI basis document revised.

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)	2.75E-09	3.28E-09	4.46E-09	1.13E-08	1.20E-08	2.04E-09	2.16E-09	2.80E-09
URI (ΔCDF)	-1.08E-07	-1.08E-07	-1.08E-07	-1.08E-07	-1.08E-07	-4.30E-09	-4.30E-09	-4.30E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.10E-07**	**-1.10E-07**	**-1.00E-07**	**-9.70E-08**	**-9.60E-08**	**-2.30E-09**	**-2.10E-09**	**-1.50E-09**

Licensee Comments:

2Q/13: Changed PRA Parameter(s). PRA model updated and MSPI basis document revised.

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)	2.12E-08	1.67E-08	1.84E-08	1.37E-08	1.35E-08	-1.42E-10	5.96E-10	3.38E-09
URI (ΔCDF)	-1.29E-08	-1.28E-08	-1.29E-08	-1.29E-08	-1.29E-08	-2.59E-10	-2.59E-10	-2.59E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**8.30E-09**	**3.80E-09**	**5.60E-09**	**8.50E-10**	**6.50E-10**	**-4.00E-10**	**3.40E-10**	**3.10E-09**

Licensee Comments:

2Q/13: Changed PRA Parameter(s). PRA model updated and MSPI basis document revised.

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	0.000028	0.000031	0.000025	N/A	0.000028	0.000015	N/A	0.000015	0.000016	0.000018	0.000018	N/A
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**N/A**	**0**	**0**	**N/A**	**0**	**0**	**0**	**0**	**N/A**

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	0.000021	0.000020	0.000019	0.000019	0.000021	0.000022	0.000024	0.000016	0.000014	0.000019	0.000017	0.000016
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**1/12**	**2/12**	**3/12**	**4/12**	**5/12**	**6/12**	**7/12**	**8/12**	**9/12**	**10/12**	**11/12**	**12/12**
Maximum leakage	1.790	1.840	1.950	0	1.680	1.670	1.710	1.720	1.720	1.730	1.730	0.630
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**7.2**	**7.4**	**7.8**	**0**	**6.7**	**6.7**	**6.8**	**6.9**	**6.9**	**6.9**	**6.9**	**2.5**
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	1.800	1.800	1.810	1.810	1.790	1.680	1.670	1.690	1.630	1.710	1.700	1.680
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**7.2**	**7.2**	**7.2**	**7.2**	**7.2**	**6.7**	**6.7**	**6.8**	**6.5**	**6.8**	**6.8**	**6.7**

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	6.0	10.0	50.0	34.0	42.0	17.0	80.0	35.0
Total opportunities	6.0	10.0	53.0	35.0	43.0	17.0	80.0	36.0
Indicator value	**98.5%**	**98.8%**	**97.7%**	**97.4%**	**97.6%**	**97.5%**	**97.8%**	**97.9%**

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	118.0	116.0	115.0	116.0	116.0	116.0	115.0	112.0
Total Key personnel	119.0	117.0	115.0	117.0	116.0	116.0	115.0	113.0
Indicator value	**99.2%**	**99.1%**	**100.0%**	**99.1%**	**100.0%**	**100.0%**	**100.0%**	**99.1%**

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	186	186	186	184	186	186	186	185
Total sirens-tests	186	186	186	186	186	186	186	186
Indicator value	**99.9%**	**99.9%**	**99.9%**	**99.7%**	**99.7%**	**99.7%**	**99.7%**	**99.9%**

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

Fermi 2

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	1.0	1.0	1.0	0	0	0	0	0
Critical hours	1282.6	1487.1	918.6	2159.0	1880.7	1897.4	2209.0	1063.9
Indicator value	**0.9**	**2.0**	**3.7**	**3.6**	**2.2**	**1.0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/12	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	1282.6	1487.1	918.6	2159.0	1880.7	1897.4	2209.0	1063.9
Indicator value	**0.9**	**1.0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

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 > 6.0

Notes

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

Licensee Comments:

1Q/13: LER 13-001, Loss of Secondary Containment Function

2Q/12: LER 2012-001

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)	-4.99E-09	-4.30E-09	-3.57E-09	-4.04E-09	-1.44E-09	2.05E-10	3.80E-09	4.58E-09
URI (ΔCDF)	-3.57E-07	-3.61E-07	-3.58E-07	-3.55E-07	-3.50E-08	-1.05E-08	-9.94E-09	-9.37E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.60E-07**	**-3.60E-07**	**-3.60E-07**	**-3.60E-07**	**-3.60E-08**	**-1.00E-08**	**-6.10E-09**	**-4.80E-09**

Licensee Comments:

2Q/13: Changed PRA Parameter(s). PRA model updated and MSPI basis document revised.

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)	4.13E-09	4.38E-09	4.49E-09	4.47E-09	3.41E-08	3.50E-08	1.59E-08	1.73E-08
URI (ΔCDF)	1.82E-08	1.65E-08	1.65E-08	1.65E-08	2.78E-08	2.78E-08	-8.39E-09	-8.39E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**2.20E-08**	**2.10E-08**	**2.10E-08**	**2.10E-08**	**6.20E-08**	**6.30E-08**	**7.50E-09**	**8.90E-09**

Licensee Comments:

2Q/13: Changed PRA Parameter(s). PRA model updated and MSPI basis document revised.

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)	-2.73E-09	-2.72E-09	-2.72E-09	-2.72E-09	-9.25E-10	-9.25E-10	-9.25E-10	-9.25E-10
URI (ΔCDF)	-3.04E-08	-3.18E-08	-3.18E-08	-3.18E-08	-2.81E-09	-2.39E-09	-2.39E-09	-2.39E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.30E-08**	**-3.50E-08**	**-3.50E-08**	**-3.50E-08**	**-3.70E-09**	**-3.30E-09**	**-3.30E-09**	**-3.30E-09**

Licensee Comments:

2Q/13: Changed PRA Parameter(s). PRA model updated and MSPI basis document revised.

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)	3.28E-09	4.46E-09	1.13E-08	1.20E-08	2.04E-09	2.16E-09	2.80E-09	3.62E-09
URI (ΔCDF)	-1.08E-07	-1.08E-07	-1.08E-07	-1.08E-07	-4.30E-09	-4.30E-09	-4.30E-09	-4.30E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.10E-07**	**-1.00E-07**	**-9.70E-08**	**-9.60E-08**	**-2.30E-09**	**-2.10E-09**	**-1.50E-09**	**-6.70E-10**

Licensee Comments:

2Q/13: Changed PRA Parameter(s). PRA model updated and MSPI basis document revised.

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)	1.67E-08	1.84E-08	1.37E-08	1.35E-08	-1.42E-10	5.96E-10	3.38E-09	3.62E-09
URI (ΔCDF)	-1.28E-08	-1.29E-08	-1.29E-08	-1.29E-08	-2.59E-10	-2.59E-10	-2.59E-10	-2.59E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**3.80E-09**	**5.60E-09**	**8.50E-10**	**6.50E-10**	**-4.00E-10**	**3.40E-10**	**3.10E-09**	**3.40E-09**

Licensee Comments:

2Q/13: Changed PRA Parameter(s). PRA model updated and MSPI basis document revised.

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	N/A	0.000028	0.000015	N/A	0.000015	0.000016	0.000018	0.000018	N/A	0.000021	0.000020	0.000019
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**N/A**	**0**	**0**	**N/A**	**0**	**0**	**0**	**0**	**N/A**	**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	0.000019	0.000021	0.000022	0.000024	0.000016	0.000014	0.000019	0.000017	0.000016	0.000013	0.000012	N/A
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**N/A**

Licensee Comments: none

Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**4/12**	**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	1.680	1.670	1.710	1.720	1.720	1.730	1.730	0.630	1.800	1.800	1.810
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**0**	**6.7**	**6.7**	**6.8**	**6.9**	**6.9**	**6.9**	**6.9**	**2.5**	**7.2**	**7.2**	**7.2**
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	1.810	1.790	1.680	1.670	1.690	1.630	1.710	1.700	1.680	1.660	1.630	1.560
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**7.2**	**7.2**	**6.7**	**6.7**	**6.8**	**6.5**	**6.8**	**6.8**	**6.7**	**6.6**	**6.5**	**6.2**

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	10.0	50.0	34.0	42.0	17.0	80.0	35.0	56.0
Total opportunities	10.0	53.0	35.0	43.0	17.0	80.0	36.0	56.0
Indicator value	**98.8%**	**97.7%**	**97.4%**	**97.6%**	**97.5%**	**97.8%**	**97.9%**	**98.2%**

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	116.0	115.0	116.0	116.0	116.0	115.0	112.0	113.0
Total Key personnel	117.0	115.0	117.0	116.0	116.0	115.0	113.0	114.0
Indicator value	**99.1%**	**100.0%**	**99.1%**	**100.0%**	**100.0%**	**100.0%**	**99.1%**	**99.1%**

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	186	186	184	186	186	186	185	181
Total sirens-tests	186	186	186	186	186	186	186	186
Indicator value	**99.9%**	**99.9%**	**99.7%**	**99.7%**	**99.7%**	**99.7%**	**99.9%**	**99.2%**

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

Fermi 2

2Q/2014 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: Change file submitted to correct previously submitted data.

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	1.0	1.0	0	0	0	0	0	0
Critical hours	1487.1	918.6	2159.0	1880.7	1897.4	2209.0	1063.9	2044.8
Indicator value	**2.0**	**3.7**	**3.6**	**2.2**	**1.0**	**0**	**0**	**0**

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	0	0	0	0	0	0	0	0
Critical hours	1487.1	918.6	2159.0	1880.7	1897.4	2209.0	1063.9	2044.8
Indicator value	**1.0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

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	0
Indicator value	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Licensee Comments: none

Thresholds: White > 6.0

Notes

Safety System Functional Failures (BWR)	3Q/12	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14
Safety System Functional Failures	0	0	1	0	0	0	1	0
Indicator value	**2**	**1**	**2**	**1**	**1**	**1**	**1**	**1**

Licensee Comments:

1Q/13: LER 13-001, Loss of Secondary Containment 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)	-4.30E-09	-3.57E-09	-4.04E-09	-1.44E-09	2.05E-10	3.80E-09	4.58E-09	8.82E-09
URI (ΔCDF)	-3.61E-07	-3.58E-07	-3.55E-07	-3.50E-08	-1.05E-08	-9.94E-09	-9.37E-09	-8.78E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.60E-07**	**-3.60E-07**	**-3.60E-07**	**-3.60E-08**	**-1.00E-08**	**-6.10E-09**	**-4.80E-09**	**3.60E-11**

Licensee Comments:

2Q/13: Changed PRA Parameter(s). PRA model updated and MSPI basis document revised.

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)	4.38E-09	4.49E-09	4.47E-09	3.41E-08	3.50E-08	1.59E-08	1.73E-08	1.76E-08
URI (ΔCDF)	1.65E-08	1.65E-08	1.65E-08	2.78E-08	2.78E-08	-8.39E-09	-8.39E-09	-8.39E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**2.10E-08**	**2.10E-08**	**2.10E-08**	**6.20E-08**	**6.30E-08**	**7.50E-09**	**8.90E-09**	**9.20E-09**

Licensee Comments:

2Q/13: Changed PRA Parameter(s). PRA model updated and MSPI basis document revised.

Mitigating Systems Performance Index, Heat Removal System

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

Notes

Mitigating Systems Performance Index, Heat Removal System	**3Q/12**	**4Q/12**	**1Q/13**	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**	**2Q/14**
UAI (ΔCDF)	-2.72E-09	-2.72E-09	-2.72E-09	-9.25E-10	-9.25E-10	-9.25E-10	-9.25E-10	-9.25E-10
URI (ΔCDF)	-3.18E-08	-3.18E-08	-3.18E-08	-2.81E-09	-2.39E-09	-2.39E-09	-2.39E-09	-2.39E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.50E-08**	**-3.50E-08**	**-3.50E-08**	**-3.70E-09**	**-3.30E-09**	**-3.30E-09**	**-3.30E-09**	**-3.30E-09**

Licensee Comments:

2Q/13: Changed PRA Parameter(s). PRA model updated and MSPI basis document revised.

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)	4.46E-09	1.13E-08	1.20E-08	2.04E-09	2.16E-09	2.80E-09	3.62E-09	2.04E-09
URI (ΔCDF)	-1.08E-07	-1.08E-07	-1.08E-07	-4.30E-09	-4.30E-09	-4.30E-09	-4.30E-09	-4.30E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.00E-07**	**-9.70E-08**	**-9.60E-08**	**-2.30E-09**	**-2.10E-09**	**-1.50E-09**	**-6.70E-10**	**-2.30E-09**

Licensee Comments:

2Q/13: Changed PRA Parameter(s). PRA model updated and MSPI basis document revised.

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)	1.84E-08	1.37E-08	1.35E-08	-1.42E-10	5.96E-10	3.38E-09	3.62E-09	4.07E-09
URI (ΔCDF)	-1.29E-08	-1.29E-08	-1.29E-08	-2.59E-10	-2.59E-10	-2.59E-10	-2.59E-10	-2.59E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**5.60E-09**	**8.50E-10**	**6.50E-10**	**-4.00E-10**	**3.40E-10**	**3.10E-09**	**3.40E-09**	**3.80E-09**

Licensee Comments:

2Q/13: Changed PRA Parameter(s). PRA model updated and MSPI basis document revised.

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	N/A	0.000015	0.000016	0.000018	0.000018	N/A	0.000021	0.000020	0.000019	0.000019	0.000021	0.000022
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**N/A**	**0**	**0**	**0**	**0**	**N/A**	**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	0.000024	0.000016	0.000014	0.000019	0.000017	0.000016	0.000013	0.000012	N/A	0.000013	0.000016	0.000018
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**N/A**	**0**	**0**	**0**

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	1.710	1.720	1.720	1.730	1.730	0.630	1.800	1.800	1.810	1.810	1.790	1.680
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.8**	**6.9**	**6.9**	**6.9**	**6.9**	**2.5**	**7.2**	**7.2**	**7.2**	**7.2**	**7.2**	**6.7**
Reactor Coolant System Leakage	**7/13**	**8/13**	**9/13**	**10/13**	**11/13**	**12/13**	**1/14**	**2/14**	**3/14**	**4/14**	**5/14**	**6/14**
Maximum leakage	1.670	1.690	1.630	1.710	1.700	1.680	1.660	1.630	1.560	1.900	1.660	1.660
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.7**	**6.8**	**6.5**	**6.8**	**6.8**	**6.7**	**6.6**	**6.5**	**6.2**	**7.6**	**6.6**	**6.6**

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	50.0	34.0	42.0	17.0	80.0	35.0	28.0	29.0
Total opportunities	53.0	35.0	43.0	17.0	80.0	36.0	28.0	30.0
Indicator value	**97.7%**	**97.4%**	**97.6%**	**97.5%**	**97.8%**	**97.9%**	**98.0%**	**97.8%**

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	115.0	116.0	116.0	116.0	115.0	112.0	113.0	113.0
Total Key personnel	115.0	117.0	116.0	116.0	115.0	113.0	114.0	114.0
Indicator value	**100.0%**	**99.1%**	**100.0%**	**100.0%**	**100.0%**	**99.1%**	**99.1%**	**99.1%**

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	186	184	186	186	186	185	181	186
Total sirens-tests	186	186	186	186	186	186	186	186
Indicator value	**99.9%**	**99.7%**	**99.7%**	**99.7%**	**99.7%**	**99.9%**	**99.2%**	**99.2%**

Licensee Comments: none

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

Fermi 2

3Q/2014 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: Change File created due to change in CCTV Normalization Factor

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	1.0	0	0	0	0	0	0	0
Critical hours	918.6	2159.0	1880.7	1897.4	2209.0	1063.9	2044.8	2208.0
Indicator value	**3.7**	**3.6**	**2.2**	**1.0**	**0**	**0**	**0**	**0**

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	918.6	2159.0	1880.7	1897.4	2209.0	1063.9	2044.8	2208.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

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	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 > 6.0

Notes

Safety System Functional Failures (BWR)	4Q/12	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14
Safety System Functional Failures	0	1	0	0	0	1	0	0
Indicator value	**1**	**2**	**1**	**1**	**1**	**1**	**1**	**1**

Licensee Comments:

1Q/13: LER 13-001, Loss of Secondary Containment 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)	-3.57E-09	-4.04E-09	-1.44E-09	2.05E-10	3.80E-09	4.58E-09	8.82E-09	4.36E-09
URI (ΔCDF)	-3.58E-07	-3.55E-07	-3.50E-08	-1.05E-08	-9.94E-09	-9.37E-09	-8.78E-09	-8.17E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.60E-07**	**-3.60E-07**	**-3.60E-08**	**-1.00E-08**	**-6.10E-09**	**-4.80E-09**	**3.60E-11**	**-3.80E-09**

Licensee Comments:

2Q/13: Changed PRA Parameter(s). PRA model updated and MSPI basis document revised.

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)	4.49E-09	4.47E-09	3.41E-08	3.50E-08	1.59E-08	1.73E-08	1.76E-08	-2.63E-08
URI (ΔCDF)	1.65E-08	1.65E-08	2.78E-08	2.78E-08	-8.39E-09	-8.39E-09	-8.39E-09	-4.45E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**2.10E-08**	**2.10E-08**	**6.20E-08**	**6.30E-08**	**7.50E-09**	**8.90E-09**	**9.20E-09**	**-7.10E-08**

Licensee Comments:

2Q/13: Changed PRA Parameter(s). PRA model updated and MSPI basis document revised.

Mitigating Systems Performance Index, Heat Removal System

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

Notes

Mitigating Systems Performance Index, Heat Removal System	**4Q/12**	**1Q/13**	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**	**2Q/14**	**3Q/14**
UAI (ΔCDF)	-2.72E-09	-2.72E-09	-9.25E-10	-9.25E-10	-9.25E-10	-9.25E-10	-9.25E-10	-9.25E-10
URI (ΔCDF)	-3.18E-08	-3.18E-08	-2.81E-09	-2.39E-09	-2.39E-09	-2.39E-09	-2.39E-09	-2.39E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.50E-08**	**-3.50E-08**	**-3.70E-09**	**-3.30E-09**	**-3.30E-09**	**-3.30E-09**	**-3.30E-09**	**-3.30E-09**

Licensee Comments:

2Q/13: Changed PRA Parameter(s). PRA model updated and MSPI basis document revised.

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)	1.13E-08	1.20E-08	2.04E-09	2.16E-09	2.80E-09	3.62E-09	2.04E-09	3.47E-09
URI (ΔCDF)	-1.08E-07	-1.08E-07	-4.30E-09	-4.30E-09	-4.30E-09	-4.30E-09	-4.30E-09	-4.30E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-9.70E-08**	**-9.60E-08**	**-2.30E-09**	**-2.10E-09**	**-1.50E-09**	**-6.70E-10**	**-2.30E-09**	**-8.30E-10**

Licensee Comments:

2Q/13: Changed PRA Parameter(s). PRA model updated and MSPI basis document revised.

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)	1.37E-08	1.35E-08	-1.42E-10	5.96E-10	3.38E-09	3.62E-09	4.07E-09	4.07E-09
URI (ΔCDF)	-1.29E-08	-1.29E-08	-2.59E-10	-2.59E-10	-2.59E-10	-2.59E-10	-2.59E-10	-2.59E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**8.50E-10**	**6.50E-10**	**-4.00E-10**	**3.40E-10**	**3.10E-09**	**3.40E-09**	**3.80E-09**	**3.80E-09**

Licensee Comments:

2Q/13: Changed PRA Parameter(s). PRA model updated and MSPI basis document revised.

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	0.000018	0.000018	N/A	0.000021	0.000020	0.000019	0.000019	0.000021	0.000022	0.000024	0.000016	0.000014
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**N/A**	**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	0.000019	0.000017	0.000016	0.000013	0.000012	N/A	0.000013	0.000016	0.000018	0.000019	0.000015	0.000016
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**N/A**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

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	1.730	1.730	0.630	1.800	1.800	1.810	1.810	1.790	1.680	1.670	1.690	1.630
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.9**	**6.9**	**2.5**	**7.2**	**7.2**	**7.2**	**7.2**	**7.2**	**6.7**	**6.7**	**6.8**	**6.5**
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	1.710	1.700	1.680	1.660	1.630	1.560	1.900	1.660	1.660	1.660	1.650	1.640
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.8**	**6.8**	**6.7**	**6.6**	**6.5**	**6.2**	**7.6**	**6.6**	**6.6**	**6.6**	**6.6**	**6.6**

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	34.0	42.0	17.0	80.0	35.0	28.0	29.0	16.0
Total opportunities	35.0	43.0	17.0	80.0	36.0	28.0	30.0	16.0
Indicator value	**97.4%**	**97.6%**	**97.5%**	**97.8%**	**97.9%**	**98.0%**	**97.8%**	**98.6%**

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	116.0	116.0	116.0	115.0	112.0	113.0	113.0	114.0
Total Key personnel	117.0	116.0	116.0	115.0	113.0	114.0	114.0	115.0
Indicator value	**99.1%**	**100.0%**	**100.0%**	**100.0%**	**99.1%**	**99.1%**	**99.1%**	**99.1%**

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	184	186	186	186	185	181	186	183
Total sirens-tests	186	186	186	186	186	186	186	185
Indicator value	**99.7%**	**99.7%**	**99.7%**	**99.7%**	**99.9%**	**99.2%**	**99.2%**	**98.9%**

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

Fermi 2

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	0	0	0	0	0	0
Critical hours	2159.0	1880.7	1897.4	2209.0	1063.9	2044.8	2208.0	2209.0
Indicator value	**3.6**	**2.2**	**1.0**	**0**	**0**	**0**	**0**	**0**

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	1880.7	1897.4	2209.0	1063.9	2044.8	2208.0	2209.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Licensee Comments: none

Thresholds: White > 6.0

Notes

Safety System Functional Failures (BWR)	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14
Safety System Functional Failures	1	0	0	0	1	0	0	0
Indicator value	**2**	**1**	**1**	**1**	**1**	**1**	**1**	**1**

Licensee Comments:

1Q/13: LER 13-001, Loss of Secondary Containment 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)	-4.04E-09	-1.44E-09	2.05E-10	3.80E-09	4.58E-09	8.82E-09	4.36E-09	5.60E-09
URI (ΔCDF)	-3.55E-07	-3.50E-08	-1.05E-08	-9.94E-09	-9.37E-09	-8.78E-09	-8.17E-09	-7.53E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.60E-07**	**-3.60E-08**	**-1.00E-08**	**-6.10E-09**	**-4.80E-09**	**3.60E-11**	**-3.80E-09**	**-1.90E-09**

Licensee Comments:

2Q/13: Changed PRA Parameter(s). PRA model updated and MSPI basis document revised.

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)	4.47E-09	3.41E-08	3.50E-08	1.59E-08	1.73E-08	1.76E-08	-2.63E-08	-2.63E-08
URI (ΔCDF)	1.65E-08	2.78E-08	2.78E-08	-8.39E-09	-8.39E-09	-8.39E-09	-4.45E-08	-4.45E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**2.10E-08**	**6.20E-08**	**6.30E-08**	**7.50E-09**	**8.90E-09**	**9.20E-09**	**-7.10E-08**	**-7.10E-08**

Licensee Comments:

2Q/13: Changed PRA Parameter(s). PRA model updated and MSPI basis document revised.

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)	-2.72E-09	-9.25E-10	-9.25E-10	-9.25E-10	-9.25E-10	-9.25E-10	-9.25E-10	-9.25E-10
URI (ΔCDF)	-3.18E-08	-2.81E-09	-2.39E-09	-2.39E-09	-2.39E-09	-2.39E-09	-2.39E-09	-2.39E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.50E-08**	**-3.70E-09**	**-3.30E-09**	**-3.30E-09**	**-3.30E-09**	**-3.30E-09**	**-3.30E-09**	**-3.30E-09**

Licensee Comments:

2Q/13: Changed PRA Parameter(s). PRA model updated and MSPI basis document revised.

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)	1.20E-08	2.04E-09	2.16E-09	2.80E-09	3.62E-09	2.04E-09	3.47E-09	3.48E-09
URI (ΔCDF)	-1.08E-07	-4.30E-09	-4.30E-09	-4.30E-09	-4.30E-09	-4.30E-09	-4.30E-09	-4.30E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-9.60E-08**	**-2.30E-09**	**-2.10E-09**	**-1.50E-09**	**-6.70E-10**	**-2.30E-09**	**-8.30E-10**	**-8.20E-10**

Licensee Comments:

2Q/13: Changed PRA Parameter(s). PRA model updated and MSPI basis document revised.

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)	1.35E-08	-1.42E-10	5.96E-10	3.38E-09	3.62E-09	4.07E-09	4.07E-09	4.24E-09
URI (ΔCDF)	-1.29E-08	-2.59E-10	-2.59E-10	-2.59E-10	-2.59E-10	-2.59E-10	-2.59E-10	-2.59E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**6.50E-10**	**-4.00E-10**	**3.40E-10**	**3.10E-09**	**3.40E-09**	**3.80E-09**	**3.80E-09**	**4.00E-09**

Licensee Comments:

2Q/13: Changed PRA Parameter(s). PRA model updated and MSPI basis document revised.

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	0.000021	0.000020	0.000019	0.000019	0.000021	0.000022	0.000024	0.000016	0.000014	0.000019	0.000017	0.000016
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Activity	**1/14**	**2/14**	**3/14**	**4/14**	**5/14**	**6/14**	**7/14**	**8/14**	**9/14**	**10/14**	**11/14**	**12/14**
Maximum activity	0.000013	0.000012	N/A	0.000013	0.000016	0.000018	0.000019	0.000015	0.000016	0.000019	0.000011	0.000013
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**N/A**	**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	1.800	1.800	1.810	1.810	1.790	1.680	1.670	1.690	1.630	1.710	1.700	1.680
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**7.2**	**7.2**	**7.2**	**7.2**	**7.2**	**6.7**	**6.7**	**6.8**	**6.5**	**6.8**	**6.8**	**6.7**
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	1.660	1.630	1.560	1.900	1.660	1.660	1.660	1.650	1.640	1.700	1.720	1.640
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.6**	**6.5**	**6.2**	**7.6**	**6.6**	**6.6**	**6.6**	**6.6**	**6.6**	**6.8**	**6.9**	**6.6**

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	42.0	17.0	80.0	35.0	28.0	29.0	16.0	36.0
Total opportunities	43.0	17.0	80.0	36.0	28.0	30.0	16.0	36.0
Indicator value	**97.6%**	**97.5%**	**97.8%**	**97.9%**	**98.0%**	**97.8%**	**98.6%**	**99.0%**

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	116.0	116.0	115.0	112.0	113.0	113.0	114.0	115.0
Total Key personnel	116.0	116.0	115.0	113.0	114.0	114.0	115.0	115.0
Indicator value	**100.0%**	**100.0%**	**100.0%**	**99.1%**	**99.1%**	**99.1%**	**99.1%**	**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	186	186	186	185	181	186	183	122
Total sirens-tests	186	186	186	186	186	186	185	124
Indicator value	**99.7%**	**99.7%**	**99.7%**	**99.9%**	**99.2%**	**99.2%**	**98.9%**	**98.7%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	1Q/13	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
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

Fermi 2

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	0	0	0	0	0	0	1.0
Critical hours	1880.7	1897.4	2209.0	1063.9	2044.8	2208.0	2209.0	1854.0
Indicator value	**2.2**	**1.0**	**0**	**0**	**0**	**0**	**0**	**0.8**

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	1.0
Critical hours	1880.7	1897.4	2209.0	1063.9	2044.8	2208.0	2209.0	1854.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0.8**

Licensee Comments: none

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	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 > 6.0

Notes

Safety System Functional Failures (BWR)	2Q/13	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15
Safety System Functional Failures	0	0	0	1	0	0	0	0
Indicator value	**1**	**1**	**1**	**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	**2Q/13**	**3Q/13**	**4Q/13**	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**
UAI (ΔCDF)	-1.44E-09	2.05E-10	3.80E-09	4.58E-09	8.82E-09	4.36E-09	5.60E-09	3.78E-09
URI (ΔCDF)	-3.50E-08	-1.05E-08	-9.94E-09	-9.37E-09	-8.78E-09	-8.17E-09	-7.53E-09	-7.53E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.60E-08**	**-1.00E-08**	**-6.10E-09**	**-4.80E-09**	**3.60E-11**	**-3.80E-09**	**-1.90E-09**	**-3.80E-09**

Licensee Comments:

2Q/13: Changed PRA Parameter(s). PRA model updated and MSPI basis document revised.

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)	3.41E-08	3.50E-08	1.59E-08	1.73E-08	1.76E-08	-2.63E-08	-2.63E-08	-2.63E-08
URI (ΔCDF)	2.78E-08	2.78E-08	-8.39E-09	-8.39E-09	-8.39E-09	-4.45E-08	-4.45E-08	-4.45E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**6.20E-08**	**6.30E-08**	**7.50E-09**	**8.90E-09**	**9.20E-09**	**-7.10E-08**	**-7.10E-08**	**-7.10E-08**

Licensee Comments:

2Q/13: Changed PRA Parameter(s). PRA model updated and MSPI basis document revised.

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)	-9.25E-10	-9.25E-10	-9.25E-10	-9.25E-10	-9.25E-10	-9.25E-10	-9.25E-10	-9.25E-10
URI (ΔCDF)	-2.81E-09	-2.39E-09	-2.39E-09	-2.39E-09	-2.39E-09	-2.39E-09	-2.39E-09	-2.39E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.70E-09**	**-3.30E-09**	**-3.30E-09**	**-3.30E-09**	**-3.30E-09**	**-3.30E-09**	**-3.30E-09**	**-3.30E-09**

Licensee Comments:

2Q/13: Changed PRA Parameter(s). PRA model updated and MSPI basis document revised.

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)	2.04E-09	2.16E-09	2.80E-09	3.62E-09	2.04E-09	3.47E-09	3.48E-09	3.65E-09
URI (ΔCDF)	-4.30E-09	-4.30E-09	-4.30E-09	-4.30E-09	-4.30E-09	-4.30E-09	-4.30E-09	-4.30E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.30E-09**	**-2.10E-09**	**-1.50E-09**	**-6.70E-10**	**-2.30E-09**	**-8.30E-10**	**-8.20E-10**	**-6.50E-10**

Licensee Comments:

2Q/13: Changed PRA Parameter(s). PRA model updated and MSPI basis document revised.

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)	-1.42E-10	5.96E-10	3.38E-09	3.62E-09	4.07E-09	4.07E-09	4.24E-09	4.13E-09
URI (ΔCDF)	-2.59E-10	-2.59E-10	-2.59E-10	-2.59E-10	-2.59E-10	-2.59E-10	-2.59E-10	-2.59E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-4.00E-10**	**3.40E-10**	**3.10E-09**	**3.40E-09**	**3.80E-09**	**3.80E-09**	**4.00E-09**	**3.90E-09**

Licensee Comments:

2Q/13: Changed PRA Parameter(s). PRA model updated and MSPI basis document revised.

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	0.000019	0.000021	0.000022	0.000024	0.000016	0.000014	0.000019	0.000017	0.000016	0.000013	0.000012	N/A
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**N/A**

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	0.000013	0.000016	0.000018	0.000019	0.000015	0.000016	0.000019	0.000011	0.000013	0.000012	0.000012	0.000014
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

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	1.810	1.790	1.680	1.670	1.690	1.630	1.710	1.700	1.680	1.660	1.630	1.560
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**7.2**	**7.2**	**6.7**	**6.7**	**6.8**	**6.5**	**6.8**	**6.8**	**6.7**	**6.6**	**6.5**	**6.2**
Reactor Coolant System Leakage	**4/14**	**5/14**	**6/14**	**7/14**	**8/14**	**9/14**	**10/14**	**11/14**	**12/14**	**1/15**	**2/15**	**3/15**
Maximum leakage	1.900	1.660	1.660	1.660	1.650	1.640	1.700	1.720	1.640	1.640	1.640	1.640
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**7.6**	**6.6**	**6.6**	**6.6**	**6.6**	**6.6**	**6.8**	**6.9**	**6.6**	**6.6**	**6.6**	**6.6**

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	17.0	80.0	35.0	28.0	29.0	16.0	36.0	15.0
Total opportunities	17.0	80.0	36.0	28.0	30.0	16.0	36.0	15.0
Indicator value	**97.5%**	**97.8%**	**97.9%**	**98.0%**	**97.8%**	**98.6%**	**99.0%**	**99.2%**

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	116.0	115.0	112.0	113.0	113.0	114.0	115.0	115.0
Total Key personnel	116.0	115.0	113.0	114.0	114.0	115.0	115.0	115.0
Indicator value	**100.0%**	**100.0%**	**99.1%**	**99.1%**	**99.1%**	**99.1%**	**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	186	186	185	181	186	183	122	184
Total sirens-tests	186	186	186	186	186	185	124	186
Indicator value	**99.7%**	**99.7%**	**99.9%**	**99.2%**	**99.2%**	**98.9%**	**98.7%**	**99.1%**

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

Fermi 2

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	0	0	0	0	0	0	1.0	0
Critical hours	1897.4	2209.0	1063.9	2044.8	2208.0	2209.0	1854.0	2123.3
Indicator value	**1.0**	**0**	**0**	**0**	**0**	**0**	**0.8**	**0.8**

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	1.0	0
Critical hours	1897.4	2209.0	1063.9	2044.8	2208.0	2209.0	1854.0	2123.3
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0.8**	**0.8**

Licensee Comments: none

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Licensee Comments: none

Thresholds: White > 6.0

Notes

Safety System Functional Failures (BWR)	3Q/13	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15
Safety System Functional Failures	0	0	1	0	0	0	0	1
Indicator value	**1**	**1**	**1**	**1**	**1**	**1**	**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	**3Q/13**	**4Q/13**	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**
UAI (ΔCDF)	2.36E-10	3.80E-09	4.58E-09	8.82E-09	4.36E-09	5.60E-09	3.78E-09	7.08E-09
URI (ΔCDF)	-3.48E-08	-3.47E-08	-3.45E-08	-3.44E-08	-3.42E-08	-3.40E-08	-3.40E-08	-3.40E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.50E-08**	**-3.10E-08**	**-3.00E-08**	**-2.60E-08**	**-3.00E-08**	**-2.80E-08**	**-3.00E-08**	**-2.70E-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/13**	**4Q/13**	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**
UAI (ΔCDF)	3.50E-08	1.59E-08	1.73E-08	1.76E-08	-2.63E-08	-2.63E-08	-2.63E-08	-2.63E-08
URI (ΔCDF)	2.78E-08	-8.39E-09	-8.39E-09	-8.39E-09	-4.45E-08	-4.45E-08	-4.45E-08	-4.45E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**6.30E-08**	**7.50E-09**	**8.90E-09**	**9.20E-09**	**-7.10E-08**	**-7.10E-08**	**-7.10E-08**	**-7.10E-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/13**	**4Q/13**	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**
UAI (ΔCDF)	-9.25E-10	-9.25E-10	-9.25E-10	-9.25E-10	-9.25E-10	-9.25E-10	-9.25E-10	-9.25E-10
URI (ΔCDF)	-2.39E-09	-2.39E-09	-2.39E-09	-2.39E-09	-2.39E-09	-2.39E-09	-2.39E-09	-2.39E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.30E-09**	**-3.30E-09**	**-3.30E-09**	**-3.30E-09**	**-3.30E-09**	**-3.30E-09**	**-3.30E-09**	**-3.30E-09**

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/13**	**4Q/13**	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**
UAI (ΔCDF)	2.16E-09	2.80E-09	3.62E-09	2.04E-09	3.47E-09	3.48E-09	3.65E-09	3.34E-09
URI (ΔCDF)	-4.30E-09	-4.30E-09	-4.30E-09	-4.30E-09	-4.30E-09	-4.30E-09	-4.30E-09	-4.30E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.10E-09**	**-1.50E-09**	**-6.70E-10**	**-2.30E-09**	**-8.30E-10**	**-8.20E-10**	**-6.50E-10**	**-9.50E-10**

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)	5.96E-10	3.38E-09	3.62E-09	4.07E-09	4.07E-09	4.24E-09	4.13E-09	4.57E-09
URI (ΔCDF)	-2.59E-10	-2.59E-10	-2.59E-10	-2.59E-10	-2.59E-10	-2.59E-10	-2.59E-10	-2.59E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**3.40E-10**	**3.10E-09**	**3.40E-09**	**3.80E-09**	**3.80E-09**	**4.00E-09**	**3.90E-09**	**4.30E-09**

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	0.000024	0.000016	0.000014	0.000019	0.000017	0.000016	0.000013	0.000012	N/A	0.000013	0.000016	0.000018
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**N/A**	**0**	**0**	**0**

Reactor Coolant System Activity	7/14	8/14	9/14	10/14	11/14	12/14	1/15	2/15	3/15	4/15	5/15	6/15
Maximum activity	0.000019	0.000015	0.000016	0.000019	0.000011	0.000013	0.000012	0.000012	0.000014	0.000006	0.000013	0.000010
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

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	1.670	1.690	1.630	1.710	1.700	1.680	1.660	1.630	1.560	1.900	1.660	1.660
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.7**	**6.8**	**6.5**	**6.8**	**6.8**	**6.7**	**6.6**	**6.5**	**6.2**	**7.6**	**6.6**	**6.6**
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	1.660	1.650	1.640	1.700	1.720	1.640	1.640	1.640	1.640	1.660	1.660	1.660
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.6**	**6.6**	**6.6**	**6.8**	**6.9**	**6.6**	**6.6**	**6.6**	**6.6**	**6.6**	**6.6**	**6.6**

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	80.0	35.0	28.0	29.0	16.0	36.0	15.0	22.0
Total opportunities	80.0	36.0	28.0	30.0	16.0	36.0	15.0	22.0
Indicator value	**97.8%**	**97.9%**	**98.0%**	**97.8%**	**98.6%**	**99.0%**	**99.2%**	**99.2%**

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	115.0	112.0	113.0	113.0	114.0	115.0	115.0	109.0
Total Key personnel	115.0	113.0	114.0	114.0	115.0	115.0	115.0	110.0
Indicator value	**100.0%**	**99.1%**	**99.1%**	**99.1%**	**99.1%**	**100.0%**	**100.0%**	**99.1%**

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	186	185	181	186	183	122	184	186
Total sirens-tests	186	186	186	186	185	124	186	186
Indicator value	**99.7%**	**99.9%**	**99.2%**	**99.2%**	**98.9%**	**98.7%**	**99.1%**	**99.1%**

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

Fermi 2

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	0	0	0	1.0	0	1.0
Critical hours	2209.0	1063.9	2044.8	2208.0	2209.0	1854.0	2123.3	1799.1
Indicator value	**0**	**0**	**0**	**0**	**0**	**0.8**	**0.8**	**1.8**

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	1.0	0	0
Critical hours	2209.0	1063.9	2044.8	2208.0	2209.0	1854.0	2123.3	1799.1
Indicator value	**0**	**0**	**0**	**0**	**0**	**0.8**	**0.8**	**0.9**

Licensee Comments: none

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15
Scrams with complications	0	0	0	0	0	0	0	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 > 6.0

Notes

Safety System Functional Failures (BWR)	4Q/13	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15
Safety System Functional Failures	0	1	0	0	0	0	1	0
Indicator value	**1**	**1**	**1**	**1**	**1**	**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/13**	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**
UAI (ΔCDF)	3.80E-09	4.58E-09	8.82E-09	4.36E-09	5.60E-09	3.78E-09	7.08E-09	7.23E-09
URI (ΔCDF)	-3.47E-08	-3.45E-08	-3.44E-08	-3.42E-08	-3.40E-08	-3.40E-08	-3.40E-08	-3.37E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.10E-08**	**-3.00E-08**	**-2.60E-08**	**-3.00E-08**	**-2.80E-08**	**-3.00E-08**	**-2.70E-08**	**-2.60E-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	**4Q/13**	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**
UAI (ΔCDF)	1.59E-08	1.73E-08	1.76E-08	-2.63E-08	-2.63E-08	-2.63E-08	-2.63E-08	-2.63E-08
URI (ΔCDF)	-8.39E-09	-8.39E-09	-8.39E-09	-4.45E-08	-4.45E-08	-4.45E-08	-4.45E-08	-4.30E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**7.50E-09**	**8.90E-09**	**9.20E-09**	**-7.10E-08**	**-7.10E-08**	**-7.10E-08**	**-7.10E-08**	**-6.90E-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/13**	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**
UAI (ΔCDF)	-9.25E-10	-9.25E-10	-9.25E-10	-9.25E-10	-9.25E-10	-9.25E-10	-9.25E-10	-9.25E-10
URI (ΔCDF)	-2.39E-09	-2.39E-09	-2.39E-09	-2.39E-09	-2.39E-09	-2.39E-09	-2.39E-09	-2.33E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.30E-09**	**-3.30E-09**	**-3.30E-09**	**-3.30E-09**	**-3.30E-09**	**-3.30E-09**	**-3.30E-09**	**-3.30E-09**

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/13**	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**
UAI (ΔCDF)	2.80E-09	3.62E-09	2.04E-09	3.47E-09	3.48E-09	3.65E-09	3.34E-09	3.23E-09
URI (ΔCDF)	-4.30E-09	-4.30E-09	-4.30E-09	-4.30E-09	-4.30E-09	-4.30E-09	-4.30E-09	-4.30E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.50E-09**	**-6.70E-10**	**-2.30E-09**	**-8.30E-10**	**-8.20E-10**	**-6.50E-10**	**-9.50E-10**	**-1.10E-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/13**	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**
UAI (ΔCDF)	3.38E-09	3.62E-09	4.07E-09	4.07E-09	4.24E-09	4.13E-09	4.57E-09	6.33E-09
URI (ΔCDF)	-2.59E-10	-2.59E-10	-2.59E-10	-2.59E-10	-2.59E-10	-2.59E-10	-2.59E-10	-2.59E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**3.10E-09**	**3.40E-09**	**3.80E-09**	**3.80E-09**	**4.00E-09**	**3.90E-09**	**4.30E-09**	**6.10E-09**

Licensee Comments: none

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	0.000019	0.000017	0.000016	0.000013	0.000012	N/A	0.000013	0.000016	0.000018	0.000019	0.000015	0.000016
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**N/A**	**0**	**0**	**0**	**0**	**0**	**0**

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	0.000019	0.000011	0.000013	0.000012	0.000012	0.000014	0.000006	0.000013	0.000010	0.000015	0.000011	0.000012
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**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	1.710	1.700	1.680	1.660	1.630	1.560	1.900	1.660	1.660	1.660	1.650	1.640
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.8**	**6.8**	**6.7**	**6.6**	**6.5**	**6.2**	**7.6**	**6.6**	**6.6**	**6.6**	**6.6**	**6.6**
Reactor Coolant System Leakage	**10/14**	**11/14**	**12/14**	**1/15**	**2/15**	**3/15**	**4/15**	**5/15**	**6/15**	**7/15**	**8/15**	**9/15**
Maximum leakage	1.700	1.720	1.640	1.640	1.640	1.640	1.660	1.660	1.660	1.660	1.660	1.650
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.8**	**6.9**	**6.6**	**6.6**	**6.6**	**6.6**	**6.6**	**6.6**	**6.6**	**6.6**	**6.6**	**6.6**

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	35.0	28.0	29.0	16.0	36.0	15.0	22.0	53.0
Total opportunities	36.0	28.0	30.0	16.0	36.0	15.0	22.0	53.0
Indicator value	**97.9%**	**98.0%**	**97.8%**	**98.6%**	**99.0%**	**99.2%**	**99.2%**	**99.2%**

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	112.0	113.0	113.0	114.0	115.0	115.0	109.0	113.0
Total Key personnel	113.0	114.0	114.0	115.0	115.0	115.0	110.0	114.0
Indicator value	**99.1%**	**99.1%**	**99.1%**	**99.1%**	**100.0%**	**100.0%**	**99.1%**	**99.1%**

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	185	181	186	183	122	184	186	186
Total sirens-tests	186	186	186	185	124	186	186	186
Indicator value	**99.9%**	**99.2%**	**99.2%**	**98.9%**	**98.7%**	**99.1%**	**99.1%**	**99.4%**

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

Fermi 2

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	1.0	0	0	0	1.0	0	1.0	0
Critical hours	1063.9	2044.8	2208.0	2209.0	1854.0	2123.3	1799.1	867.1
Indicator value	**1.0**	**1.0**	**0.9**	**0.9**	**0.8**	**0.8**	**1.8**	**2.1**

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	1.0	0	0	0
Critical hours	1063.9	2044.8	2208.0	2209.0	1854.0	2123.3	1799.1	867.1
Indicator value	**0**	**0**	**0**	**0**	**0.8**	**0.8**	**0.9**	**1.1**

Licensee Comments: none

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15
Scrams with complications	0	0	0	0	0	0	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 > 6.0

Notes

Safety System Functional Failures (BWR)	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15
Safety System Functional Failures	1	0	0	0	0	1	0	0
Indicator value	**1**	**1**	**1**	**1**	**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/14**	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**
UAI (ΔCDF)	4.58E-09	8.82E-09	4.36E-09	5.60E-09	3.78E-09	7.08E-09	7.23E-09	5.96E-09
URI (ΔCDF)	-3.45E-08	-3.44E-08	-3.42E-08	-3.40E-08	-3.40E-08	-3.40E-08	-3.37E-08	-3.37E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.00E-08**	**-2.60E-08**	**-3.00E-08**	**-2.80E-08**	**-3.00E-08**	**-2.70E-08**	**-2.60E-08**	**-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/14**	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**
UAI (ΔCDF)	1.73E-08	1.76E-08	-2.63E-08	-2.63E-08	-2.63E-08	-2.63E-08	-2.63E-08	-2.63E-08
URI (ΔCDF)	-8.39E-09	-8.39E-09	-4.45E-08	-4.45E-08	-4.45E-08	-4.45E-08	-4.30E-08	-4.30E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**8.90E-09**	**9.20E-09**	**-7.10E-08**	**-7.10E-08**	**-7.10E-08**	**-7.10E-08**	**-6.90E-08**	**-6.90E-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	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**
UAI (ΔCDF)	-9.25E-10	-9.25E-10	-9.25E-10	-9.25E-10	-9.25E-10	-9.25E-10	-9.25E-10	-9.25E-10
URI (ΔCDF)	-2.39E-09	-2.39E-09	-2.39E-09	-2.39E-09	-2.39E-09	-2.39E-09	-2.33E-09	-2.33E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.30E-09**	**-3.30E-09**	**-3.30E-09**	**-3.30E-09**	**-3.30E-09**	**-3.30E-09**	**-3.30E-09**	**-3.30E-09**

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/14**	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**
UAI (ΔCDF)	3.62E-09	2.04E-09	3.47E-09	3.48E-09	3.65E-09	3.34E-09	3.23E-09	2.72E-09
URI (ΔCDF)	-4.30E-09	-4.30E-09	-4.30E-09	-4.30E-09	-4.30E-09	-4.30E-09	-4.30E-09	-4.30E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-6.70E-10**	**-2.30E-09**	**-8.30E-10**	**-8.20E-10**	**-6.50E-10**	**-9.50E-10**	**-1.10E-09**	**-1.60E-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	**1Q/14**	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**
UAI (ΔCDF)	3.62E-09	4.07E-09	4.07E-09	4.24E-09	4.13E-09	4.57E-09	6.33E-09	6.35E-09
URI (ΔCDF)	-2.59E-10	-2.59E-10	-2.59E-10	-2.59E-10	-2.59E-10	-2.59E-10	-2.59E-10	-2.59E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**3.40E-09**	**3.80E-09**	**3.80E-09**	**4.00E-09**	**3.90E-09**	**4.30E-09**	**6.10E-09**	**6.10E-09**

Licensee Comments: none

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	0.000013	0.000012	N/A	0.000013	0.000016	0.000018	0.000019	0.000015	0.000016	0.000019	0.000011	0.000013
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**N/A**	**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	0.000012	0.000012	0.000014	0.000006	0.000013	0.000010	0.000015	0.000011	0.000012	N/A	0.000006	0.000006
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**N/A**	**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	1.660	1.630	1.560	1.900	1.660	1.660	1.660	1.650	1.640	1.700	1.720	1.640
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.6**	**6.5**	**6.2**	**7.6**	**6.6**	**6.6**	**6.6**	**6.6**	**6.6**	**6.8**	**6.9**	**6.6**
Reactor Coolant System Leakage	**1/15**	**2/15**	**3/15**	**4/15**	**5/15**	**6/15**	**7/15**	**8/15**	**9/15**	**10/15**	**11/15**	**12/15**
Maximum leakage	1.640	1.640	1.640	1.660	1.660	1.660	1.660	1.660	1.650	0	1.750	1.680
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.6**	**6.6**	**6.6**	**6.6**	**6.6**	**6.6**	**6.6**	**6.6**	**6.6**	**0**	**7.0**	**6.7**

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	29.0	16.0	36.0	15.0	22.0	53.0	22.0
Total opportunities	28.0	30.0	16.0	36.0	15.0	22.0	53.0	22.0
Indicator value	**98.0%**	**97.8%**	**98.6%**	**99.0%**	**99.2%**	**99.2%**	**99.2%**	**99.5%**

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	113.0	113.0	114.0	115.0	115.0	109.0	113.0	114.0
Total Key personnel	114.0	114.0	115.0	115.0	115.0	110.0	114.0	116.0
Indicator value	**99.1%**	**99.1%**	**99.1%**	**100.0%**	**100.0%**	**99.1%**	**99.1%**	**98.3%**

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	181	186	183	122	184	186	186	186
Total sirens-tests	186	186	185	124	186	186	186	186
Indicator value	**99.2%**	**99.2%**	**98.9%**	**98.7%**	**99.1%**	**99.1%**	**99.4%**	**99.7%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	1Q/14	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15
High radiation area occurrences	0	0	0	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: March 1, 2016

Fermi 2

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	0	0	0	1.0	0	1.0	0	0
Critical hours	2044.8	2208.0	2209.0	1854.0	2123.3	1799.1	867.1	2183.0
Indicator value	**1.0**	**0.9**	**0.9**	**0.8**	**0.8**	**1.8**	**2.1**	**1.0**

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	1.0	0	0	0	1.0
Critical hours	2044.8	2208.0	2209.0	1854.0	2123.3	1799.1	867.1	2183.0
Indicator value	**0**	**0**	**0**	**0.8**	**0.8**	**0.9**	**1.1**	**1.0**

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	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 > 6.0

Notes

Safety System Functional Failures (BWR)	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16
Safety System Functional Failures	0	0	0	0	1	0	0	1
Indicator value	**1**	**1**	**1**	**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	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**	**1Q/16**
UAI (ΔCDF)	8.82E-09	4.36E-09	5.60E-09	3.78E-09	7.08E-09	7.23E-09	5.96E-09	1.15E-08
URI (ΔCDF)	-3.44E-08	-3.42E-08	-3.40E-08	-3.40E-08	-3.40E-08	-3.37E-08	-3.37E-08	-7.74E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.60E-08**	**-3.00E-08**	**-2.80E-08**	**-3.00E-08**	**-2.70E-08**	**-2.60E-08**	**-2.80E-08**	**-6.60E-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	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**	**1Q/16**
UAI (ΔCDF)	1.76E-08	-2.63E-08	-2.63E-08	-2.63E-08	-2.63E-08	-2.63E-08	-2.63E-08	-2.15E-08
URI (ΔCDF)	-8.39E-09	-4.45E-08	-4.45E-08	-4.45E-08	-4.45E-08	-4.30E-08	-4.30E-08	-3.71E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**9.20E-09**	**-7.10E-08**	**-7.10E-08**	**-7.10E-08**	**-7.10E-08**	**-6.90E-08**	**-6.90E-08**	**-5.90E-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	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**	**1Q/16**
UAI (ΔCDF)	-9.25E-10	-9.25E-10	-9.25E-10	-9.25E-10	-9.25E-10	-9.25E-10	-9.25E-10	-6.68E-10
URI (ΔCDF)	-2.39E-09	-2.39E-09	-2.39E-09	-2.39E-09	-2.39E-09	-2.33E-09	-2.33E-09	-1.54E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.30E-09**	**-3.30E-09**	**-3.30E-09**	**-3.30E-09**	**-3.30E-09**	**-3.30E-09**	**-3.30E-09**	**-2.20E-09**

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System

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

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**	**1Q/16**
UAI (ΔCDF)	2.04E-09	3.47E-09	3.48E-09	3.65E-09	3.34E-09	3.23E-09	2.72E-09	9.64E-09
URI (ΔCDF)	-4.30E-09	-4.30E-09	-4.30E-09	-4.30E-09	-4.30E-09	-4.30E-09	-4.30E-09	-1.08E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.30E-09**	**-8.30E-10**	**-8.20E-10**	**-6.50E-10**	**-9.50E-10**	**-1.10E-09**	**-1.60E-09**	**-1.10E-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	**2Q/14**	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**	**1Q/16**
UAI (ΔCDF)	4.07E-09	4.07E-09	4.24E-09	4.13E-09	4.57E-09	6.33E-09	6.35E-09	2.33E-09
URI (ΔCDF)	-2.59E-10	-2.59E-10	-2.59E-10	-2.59E-10	-2.59E-10	-2.59E-10	-2.59E-10	-5.89E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**3.80E-09**	**3.80E-09**	**4.00E-09**	**3.90E-09**	**4.30E-09**	**6.10E-09**	**6.10E-09**	**1.70E-09**

Licensee Comments: none

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	0.000013	0.000016	0.000018	0.000019	0.000015	0.000016	0.000019	0.000011	0.000013	0.000012	0.000012	0.000014
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Activity	**4/15**	**5/15**	**6/15**	**7/15**	**8/15**	**9/15**	**10/15**	**11/15**	**12/15**	**1/16**	**2/16**	**3/16**
Maximum activity	0.000006	0.000013	0.000010	0.000015	0.000011	0.000012	N/A	0.000006	0.000006	0.000007	0.000008	0.000008
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**N/A**	**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	1.900	1.660	1.660	1.660	1.650	1.640	1.700	1.720	1.640	1.640	1.640	1.640
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**7.6**	**6.6**	**6.6**	**6.6**	**6.6**	**6.6**	**6.8**	**6.9**	**6.6**	**6.6**	**6.6**	**6.6**
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	1.660	1.660	1.660	1.660	1.660	1.650	0	1.750	1.680	1.650	1.640	1.640
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.6**	**6.6**	**6.6**	**6.6**	**6.6**	**6.6**	**0**	**7.0**	**6.7**	**6.6**	**6.6**	**6.6**

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	29.0	16.0	36.0	15.0	22.0	53.0	22.0	24.0
Total opportunities	30.0	16.0	36.0	15.0	22.0	53.0	22.0	24.0
Indicator value	**97.8%**	**98.6%**	**99.0%**	**99.2%**	**99.2%**	**99.2%**	**99.5%**	**99.5%**

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	113.0	114.0	115.0	115.0	109.0	113.0	114.0	110.0
Total Key personnel	114.0	115.0	115.0	115.0	110.0	114.0	116.0	110.0
Indicator value	**99.1%**	**99.1%**	**100.0%**	**100.0%**	**99.1%**	**99.1%**	**98.3%**	**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	186	183	122	184	186	186	186	182
Total sirens-tests	186	185	124	186	186	186	186	186
Indicator value	**99.2%**	**98.9%**	**98.7%**	**99.1%**	**99.1%**	**99.4%**	**99.7%**	**99.5%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	2Q/14	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16
High radiation area occurrences	0	0	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

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, 2016

Fermi 2

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	1.0	0	1.0	0	0	0
Critical hours	2208.0	2209.0	1854.0	2123.3	1799.1	867.1	2183.0	1969.9
Indicator value	**0.9**	**0.9**	**0.8**	**0.8**	**1.8**	**2.1**	**1.0**	**1.0**

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	1.0	0	0	0	1.0	0
Critical hours	2208.0	2209.0	1854.0	2123.3	1799.1	867.1	2183.0	1969.9
Indicator value	**0**	**0**	**0.8**	**0.8**	**0.9**	**1.1**	**1.0**	**1.0**

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	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 > 6.0

Notes

Safety System Functional Failures (BWR)	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16
Safety System Functional Failures	0	0	0	1	0	0	1	0
Indicator value	**1**	**1**	**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	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**	**1Q/16**	**2Q/16**
UAI (ΔCDF)	4.36E-09	5.60E-09	3.78E-09	7.08E-09	7.23E-09	5.96E-09	1.15E-08	1.52E-08
URI (ΔCDF)	-3.42E-08	-3.40E-08	-3.40E-08	-3.40E-08	-3.37E-08	-3.37E-08	-7.74E-08	-7.74E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.00E-08**	**-2.80E-08**	**-3.00E-08**	**-2.70E-08**	**-2.60E-08**	**-2.80E-08**	**-6.60E-08**	**-6.20E-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	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**	**1Q/16**	**2Q/16**
UAI (ΔCDF)	-2.63E-08	-2.63E-08	-2.63E-08	-2.63E-08	-2.63E-08	-2.63E-08	-2.15E-08	-2.15E-08
URI (ΔCDF)	-4.45E-08	-4.45E-08	-4.45E-08	-4.45E-08	-4.30E-08	-4.30E-08	-3.71E-08	-3.71E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-7.10E-08**	**-7.10E-08**	**-7.10E-08**	**-7.10E-08**	**-6.90E-08**	**-6.90E-08**	**-5.90E-08**	**-5.90E-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	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**	**1Q/16**	**2Q/16**
UAI (ΔCDF)	-9.25E-10	-9.25E-10	-9.25E-10	-9.25E-10	-9.25E-10	-9.25E-10	-6.68E-10	-6.68E-10
URI (ΔCDF)	-2.39E-09	-2.39E-09	-2.39E-09	-2.39E-09	-2.33E-09	-2.33E-09	-1.54E-09	-1.55E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.30E-09**	**-3.30E-09**	**-3.30E-09**	**-3.30E-09**	**-3.30E-09**	**-3.30E-09**	**-2.20E-09**	**-2.20E-09**

Licensee Comments:

2Q/16: Changed PRA Parameter(s).

Mitigating Systems Performance Index, Residual Heat Removal System

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

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**	**1Q/16**	**2Q/16**
UAI (ΔCDF)	3.47E-09	3.48E-09	3.65E-09	3.34E-09	3.23E-09	2.72E-09	9.64E-09	1.70E-09
URI (ΔCDF)	-4.30E-09	-4.30E-09	-4.30E-09	-4.30E-09	-4.30E-09	-4.30E-09	-1.08E-08	-1.08E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-8.30E-10**	**-8.20E-10**	**-6.50E-10**	**-9.50E-10**	**-1.10E-09**	**-1.60E-09**	**-1.10E-09**	**-9.10E-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	**3Q/14**	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**	**1Q/16**	**2Q/16**
UAI (ΔCDF)	4.07E-09	4.24E-09	4.13E-09	4.57E-09	6.33E-09	6.35E-09	2.33E-09	2.92E-09
URI (ΔCDF)	-2.59E-10	-2.59E-10	-2.59E-10	-2.59E-10	-2.59E-10	-2.59E-10	-5.89E-10	-5.89E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**3.80E-09**	**4.00E-09**	**3.90E-09**	**4.30E-09**	**6.10E-09**	**6.10E-09**	**1.70E-09**	**2.30E-09**

Licensee Comments: none

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	0.000019	0.000015	0.000016	0.000019	0.000011	0.000013	0.000012	0.000012	0.000014	0.000006	0.000013	0.000010
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Activity	**7/15**	**8/15**	**9/15**	**10/15**	**11/15**	**12/15**	**1/16**	**2/16**	**3/16**	**4/16**	**5/16**	**6/16**
Maximum activity	0.000015	0.000011	0.000012	N/A	0.000006	0.000006	0.000007	0.000008	0.000008	0.000011	0.000009	0.000008
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**N/A**	**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	1.660	1.650	1.640	1.700	1.720	1.640	1.640	1.640	1.640	1.660	1.660	1.660
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.6**	**6.6**	**6.6**	**6.8**	**6.9**	**6.6**	**6.6**	**6.6**	**6.6**	**6.6**	**6.6**	**6.6**
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	1.660	1.660	1.650	0	1.750	1.680	1.650	1.640	1.640	1.640	1.650	1.650
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.6**	**6.6**	**6.6**	**0**	**7.0**	**6.7**	**6.6**	**6.6**	**6.6**	**6.6**	**6.6**	**6.6**

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	16.0	36.0	15.0	22.0	53.0	22.0	24.0	46.0
Total opportunities	16.0	36.0	15.0	22.0	53.0	22.0	24.0	48.0
Indicator value	**98.6%**	**99.0%**	**99.2%**	**99.2%**	**99.2%**	**99.5%**	**99.5%**	**99.2%**

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	114.0	115.0	115.0	109.0	113.0	114.0	110.0	108.0
Total Key personnel	115.0	115.0	115.0	110.0	114.0	116.0	110.0	109.0
Indicator value	**99.1%**	**100.0%**	**100.0%**	**99.1%**	**99.1%**	**98.3%**	**100.0%**	**99.1%**

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	183	122	184	186	186	186	182	186
Total sirens-tests	185	124	186	186	186	186	186	186
Indicator value	**98.9%**	**98.7%**	**99.1%**	**99.1%**	**99.4%**	**99.7%**	**99.5%**	**99.5%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	3Q/14	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
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

Fermi 2

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	1.0	0	1.0	0	0	0	0
Critical hours	2209.0	1854.0	2123.3	1799.1	867.1	2183.0	1969.9	2208.0
Indicator value	**0.9**	**0.8**	**0.8**	**1.8**	**2.1**	**1.0**	**1.0**	**0**

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	1.0	0	0	0	1.0	0	1.0
Critical hours	2209.0	1854.0	2123.3	1799.1	867.1	2183.0	1969.9	2208.0
Indicator value	**0**	**0.8**	**0.8**	**0.9**	**1.1**	**1.0**	**1.0**	**1.9**

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	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 > 6.0

Notes

Safety System Functional Failures (BWR)	4Q/14	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16
Safety System Functional Failures	0	0	1	0	0	1	0	0
Indicator value	**1**	**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	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**	**1Q/16**	**2Q/16**	**3Q/16**
UAI (ΔCDF)	5.60E-09	3.78E-09	7.08E-09	7.23E-09	5.96E-09	1.15E-08	1.52E-08	1.25E-08
URI (ΔCDF)	-3.40E-08	-3.40E-08	-3.40E-08	-3.37E-08	-3.37E-08	-7.74E-08	-7.74E-08	-7.74E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.80E-08**	**-3.00E-08**	**-2.70E-08**	**-2.60E-08**	**-2.80E-08**	**-6.60E-08**	**-6.20E-08**	**-6.50E-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/14**	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**	**1Q/16**	**2Q/16**	**3Q/16**
UAI (ΔCDF)	-2.63E-08	-2.63E-08	-2.63E-08	-2.63E-08	-2.63E-08	-2.15E-08	-2.15E-08	-2.15E-08
URI (ΔCDF)	-4.45E-08	-4.45E-08	-4.45E-08	-4.30E-08	-4.30E-08	-3.71E-08	-3.71E-08	-3.71E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-7.10E-08**	**-7.10E-08**	**-7.10E-08**	**-6.90E-08**	**-6.90E-08**	**-5.90E-08**	**-5.90E-08**	**-5.90E-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/14**	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**	**1Q/16**	**2Q/16**	**3Q/16**
UAI (ΔCDF)	-9.25E-10	-9.25E-10	-9.25E-10	-9.25E-10	-9.25E-10	-6.68E-10	-6.68E-10	-6.68E-10
URI (ΔCDF)	-2.39E-09	-2.39E-09	-2.39E-09	-2.33E-09	-2.33E-09	-1.54E-09	-1.55E-09	-1.55E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.30E-09**	**-3.30E-09**	**-3.30E-09**	**-3.30E-09**	**-3.30E-09**	**-2.20E-09**	**-2.20E-09**	**-2.20E-09**

Licensee Comments:

2Q/16: Changed PRA Parameter(s).

Mitigating Systems Performance Index, Residual Heat Removal System

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

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	**4Q/14**	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**	**1Q/16**	**2Q/16**	**3Q/16**
UAI (ΔCDF)	3.48E-09	3.65E-09	3.34E-09	3.23E-09	2.72E-09	9.64E-09	1.70E-09	1.28E-09
URI (ΔCDF)	-4.30E-09	-4.30E-09	-4.30E-09	-4.30E-09	-4.30E-09	-1.08E-08	-1.08E-08	-1.08E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-8.20E-10**	**-6.50E-10**	**-9.50E-10**	**-1.10E-09**	**-1.60E-09**	**-1.10E-09**	**-9.10E-09**	**-9.50E-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/14**	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**	**1Q/16**	**2Q/16**	**3Q/16**
UAI (ΔCDF)	4.24E-09	4.13E-09	4.57E-09	6.33E-09	6.35E-09	2.33E-09	2.92E-09	2.25E-09
URI (ΔCDF)	-2.59E-10	-2.59E-10	-2.59E-10	-2.59E-10	-2.59E-10	-5.89E-10	-5.89E-10	-5.89E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**4.00E-09**	**3.90E-09**	**4.30E-09**	**6.10E-09**	**6.10E-09**	**1.70E-09**	**2.30E-09**	**1.70E-09**

Licensee Comments: none

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	0.000019	0.000011	0.000013	0.000012	0.000012	0.000014	0.000006	0.000013	0.000010	0.000015	0.000011	0.000012
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**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	N/A	0.000006	0.000006	0.000007	0.000008	0.000008	0.000011	0.000009	0.000008	0.000014	0.000011	0.000008
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**N/A**	**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	1.700	1.720	1.640	1.640	1.640	1.640	1.660	1.660	1.660	1.660	1.660	1.650
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.8**	**6.9**	**6.6**	**6.6**	**6.6**	**6.6**	**6.6**	**6.6**	**6.6**	**6.6**	**6.6**	**6.6**
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	1.750	1.680	1.650	1.640	1.640	1.640	1.650	1.650	1.630	1.610	1.610
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**0**	**7.0**	**6.7**	**6.6**	**6.6**	**6.6**	**6.6**	**6.6**	**6.6**	**6.5**	**6.4**	**6.4**

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	36.0	15.0	22.0	53.0	22.0	24.0	46.0	41.0
Total opportunities	36.0	15.0	22.0	53.0	22.0	24.0	48.0	43.0
Indicator value	**99.0%**	**99.2%**	**99.2%**	**99.2%**	**99.5%**	**99.5%**	**99.2%**	**98.5%**

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	115.0	115.0	109.0	113.0	113.0	110.0	108.0	109.0
Total Key personnel	115.0	115.0	110.0	114.0	115.0	110.0	109.0	109.0
Indicator value	**100.0%**	**100.0%**	**99.1%**	**99.1%**	**98.3%**	**100.0%**	**99.1%**	**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	122	184	186	186	186	182	186	186
Total sirens-tests	124	186	186	186	186	186	186	186
Indicator value	**98.7%**	**99.1%**	**99.1%**	**99.4%**	**99.7%**	**99.5%**	**99.5%**	**99.5%**

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

Fermi 2

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	1.0	0	1.0	0	0	0	0	0
Critical hours	1854.0	2123.3	1799.1	867.1	2183.0	1969.9	2208.0	2088.3
Indicator value	**0.8**	**0.8**	**1.8**	**2.1**	**1.0**	**1.0**	**0**	**0**

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	1.0	0	0	0	1.0	0	1.0	0
Critical hours	1854.0	2123.3	1799.1	867.1	2183.0	1969.9	2208.0	2088.3
Indicator value	**0.8**	**0.8**	**0.9**	**1.1**	**1.0**	**1.0**	**1.9**	**1.7**

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	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 > 6.0

Notes

Safety System Functional Failures (BWR)	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16
Safety System Functional Failures	0	1	0	0	1	0	0	1
Indicator value	**0**	**1**	**1**	**1**	**2**	**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	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**	**1Q/16**	**2Q/16**	**3Q/16**	**4Q/16**
UAI (ΔCDF)	3.78E-09	7.08E-09	7.23E-09	5.96E-09	1.15E-08	1.52E-08	1.22E-08	6.48E-09
URI (ΔCDF)	-3.40E-08	-3.40E-08	-3.37E-08	-3.37E-08	-7.74E-08	-7.74E-08	-7.74E-08	-7.74E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.00E-08**	**-2.70E-08**	**-2.60E-08**	**-2.80E-08**	**-6.60E-08**	**-6.20E-08**	**-6.50E-08**	**-7.10E-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/15**	**2Q/15**	**3Q/15**	**4Q/15**	**1Q/16**	**2Q/16**	**3Q/16**	**4Q/16**
UAI (ΔCDF)	-2.63E-08	-2.63E-08	-2.63E-08	-2.63E-08	-2.15E-08	-2.15E-08	-2.15E-08	-2.15E-08
URI (ΔCDF)	-4.45E-08	-4.45E-08	-4.30E-08	-4.30E-08	-3.71E-08	-3.71E-08	-3.71E-08	-3.71E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-7.10E-08**	**-7.10E-08**	**-6.90E-08**	**-6.90E-08**	**-5.90E-08**	**-5.90E-08**	**-5.90E-08**	**-5.90E-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	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**	**1Q/16**	**2Q/16**	**3Q/16**	**4Q/16**
UAI (ΔCDF)	-9.25E-10	-9.25E-10	-9.25E-10	-9.25E-10	-6.68E-10	-6.68E-10	-6.68E-10	-6.68E-10
URI (ΔCDF)	-2.39E-09	-2.39E-09	-2.33E-09	-2.33E-09	-1.54E-09	-1.55E-09	-1.55E-09	-1.55E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.30E-09**	**-3.30E-09**	**-3.30E-09**	**-3.30E-09**	**-2.20E-09**	**-2.20E-09**	**-2.20E-09**	**-2.20E-09**

Licensee Comments:

2Q/16: 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/15**	**2Q/15**	**3Q/15**	**4Q/15**	**1Q/16**	**2Q/16**	**3Q/16**	**4Q/16**
UAI (ΔCDF)	3.65E-09	3.34E-09	3.23E-09	2.72E-09	9.64E-09	1.70E-09	1.28E-09	1.76E-09
URI (ΔCDF)	-4.30E-09	-4.30E-09	-4.30E-09	-4.30E-09	-1.08E-08	-1.08E-08	-1.08E-08	-1.08E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-6.50E-10**	**-9.50E-10**	**-1.10E-09**	**-1.60E-09**	**-1.10E-09**	**-9.10E-09**	**-9.50E-09**	**-9.00E-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	**1Q/15**	**2Q/15**	**3Q/15**	**4Q/15**	**1Q/16**	**2Q/16**	**3Q/16**	**4Q/16**
UAI (ΔCDF)	4.13E-09	4.57E-09	6.33E-09	6.35E-09	2.33E-09	2.92E-09	2.25E-09	3.09E-09
URI (ΔCDF)	-2.59E-10	-2.59E-10	-2.59E-10	-2.59E-10	-5.89E-10	-5.89E-10	-5.89E-10	-5.89E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**3.90E-09**	**4.30E-09**	**6.10E-09**	**6.10E-09**	**1.70E-09**	**2.30E-09**	**1.70E-09**	**2.50E-09**

Licensee Comments: none

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	0.000012	0.000012	0.000014	0.000006	0.000013	0.000010	0.000015	0.000011	0.000012	N/A	0.000006	0.000006
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**N/A**	**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	0.000007	0.000008	0.000008	0.000011	0.000009	0.000008	0.000014	0.000011	0.000008	0.000015	0.000005	0.000016
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	**1/15**	**2/15**	**3/15**	**4/15**	**5/15**	**6/15**	**7/15**	**8/15**	**9/15**	**10/15**	**11/15**	**12/15**
Maximum leakage	1.640	1.640	1.640	1.660	1.660	1.660	1.660	1.660	1.650	0	1.750	1.680
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.6**	**6.6**	**6.6**	**6.6**	**6.6**	**6.6**	**6.6**	**6.6**	**6.6**	**0**	**7.0**	**6.7**
Reactor Coolant System Leakage	**1/16**	**2/16**	**3/16**	**4/16**	**5/16**	**6/16**	**7/16**	**8/16**	**9/16**	**10/16**	**11/16**	**12/16**
Maximum leakage	1.650	1.640	1.640	1.640	1.650	1.650	1.630	1.610	1.610	1.650	1.660	1.660
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.6**	**6.6**	**6.6**	**6.6**	**6.6**	**6.6**	**6.5**	**6.4**	**6.4**	**6.6**	**6.6**	**6.6**

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	15.0	22.0	53.0	22.0	24.0	46.0	41.0	56.0
Total opportunities	15.0	22.0	53.0	22.0	24.0	48.0	43.0	58.0
Indicator value	**99.2%**	**99.2%**	**99.2%**	**99.5%**	**99.5%**	**99.2%**	**98.5%**	**97.9%**

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	115.0	109.0	113.0	113.0	110.0	108.0	109.0	114.0
Total Key personnel	115.0	110.0	114.0	115.0	110.0	109.0	109.0	114.0
Indicator value	**100.0%**	**99.1%**	**99.1%**	**98.3%**	**100.0%**	**99.1%**	**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	184	186	186	186	182	186	186	185
Total sirens-tests	186	186	186	186	186	186	186	186
Indicator value	**99.1%**	**99.1%**	**99.4%**	**99.7%**	**99.5%**	**99.5%**	**99.5%**	**99.3%**

Licensee Comments: none

Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	1Q/15	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16
High radiation area occurrences	0	0	0	0	0	0	0	1
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**

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

Fermi 2 – 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)
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- Reactor Coolant System Activity (BI01)
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- 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	1.0	0	0	0	0	0	0
Critical hours	2123.3	1799.1	867.1	2183.0	1969.9	2208.0	2088.3	1826.0
Indicator value	**0.8**	**1.8**	**2.1**	**1.0**	**1.0**	**0**	**0**	**0**

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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	1.0	0	1.0	0	1.0
Critical hours	2123.3	1799.1	867.1	2183.0	1969.9	2208.0	2088.3	1826.0
Indicator value	**0.8**	**0.9**	**1.1**	**1.0**	**1.0**	**1.9**	**1.7**	**1.7**

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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	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**

TOP

Licensee Comments: none

Thresholds: White > 6.0

Notes

Safety System Functional Failures (BWR)	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
Safety System Functional Failures	1	0	0	1	0	0	1	1
Indicator value	**1**	**1**	**1**	**2**	**1**	**1**	**2**	**2**

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Licensee Comments:
1Q/17: LER 2017-001

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)	7.08E-09	7.23E-09	5.96E-09	1.15E-08	1.52E-08	1.22E-08	6.48E-09	1.31E-08
URI (ΔCDF)	-3.40E-08	-3.37E-08	-3.37E-08	-7.74E-08	-7.74E-08	-7.74E-08	-7.74E-08	-7.74E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.70E-08**	**-2.60E-08**	**-2.80E-08**	**-6.60E-08**	**-6.20E-08**	**-6.50E-08**	**-7.10E-08**	**-6.40E-08**

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Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System

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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
UAI (ΔCDF)	-2.63E-08	-2.63E-08	-2.63E-08	-2.15E-08	-2.15E-08	-2.15E-08	-2.15E-08	-2.15E-08
URI (ΔCDF)	-4.45E-08	-4.30E-08	-4.30E-08	-3.71E-08	-3.71E-08	-3.71E-08	-3.71E-08	-3.71E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-7.10E-08**	**-6.90E-08**	**-6.90E-08**	**-5.90E-08**	**-5.90E-08**	**-5.90E-08**	**-5.90E-08**	**-5.90E-08**

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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/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
UAI (ΔCDF)	-9.25E-10	-9.25E-10	-9.25E-10	-6.68E-10	-6.68E-10	-6.68E-10	-6.68E-10	-6.68E-10
URI (ΔCDF)	-2.39E-09	-2.33E-09	-2.33E-09	-1.54E-09	-1.55E-09	-1.55E-09	-1.55E-09	-1.55E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.30E-09**	**-3.30E-09**	**-3.30E-09**	**-2.20E-09**	**-2.20E-09**	**-2.20E-09**	**-2.20E-09**	**-2.20E-09**

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Licensee Comments:
2Q/16: Changed PRA Parameter(s).

Mitigating Systems Performance Index, Residual Heat Removal System

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

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
UAI (ΔCDF)	3.34E-09	3.23E-09	2.72E-09	9.64E-09	1.70E-09	1.28E-09	1.76E-09	-4.05E-10
URI (ΔCDF)	-4.30E-09	-4.30E-09	-4.30E-09	-1.08E-08	-1.08E-08	-1.08E-08	-1.08E-08	-1.08E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-9.50E-10**	**-1.10E-09**	**-1.60E-09**	**-1.10E-09**	**-9.10E-09**	**-9.50E-09**	**-9.00E-09**	**-1.10E-08**

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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/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
UAI (ΔCDF)	4.57E-09	6.33E-09	6.35E-09	2.33E-09	2.92E-09	2.25E-09	3.09E-09	4.15E-09
URI (ΔCDF)	-2.59E-10	-2.59E-10	-2.59E-10	-5.89E-10	-5.89E-10	-5.89E-10	-5.89E-10	-5.89E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**4.30E-09**	**6.10E-09**	**6.10E-09**	**1.70E-09**	**2.30E-09**	**1.70E-09**	**2.50E-09**	**3.60E-09**

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Licensee Comments: none

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	0.000006	0.000013	0.000010	0.000015	0.000011	0.000012	N/A	0.000006	0.000006	0.000007	0.000008	0.000008
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**N/A**	**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	0.000011	0.000009	0.000008	0.000014	0.000011	0.000008	0.000015	0.000005	0.000016	0.000011	0.000019	0.000018
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

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	1.660	1.660	1.660	1.660	1.660	1.650	0	1.750	1.680	1.650	1.640	1.640
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.6**	**6.6**	**6.6**	**6.6**	**6.6**	**6.6**	**0**	**7.0**	**6.7**	**6.6**	**6.6**	**6.6**

Reactor Coolant System Leakage	4/16	5/16	6/16	7/16	8/16	9/16	10/16	11/16	12/16	1/17	2/17	3/17
Maximum leakage	1.640	1.650	1.650	1.630	1.610	1.610	1.650	1.660	1.660	1.650	1.650	1.660
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.6**	**6.6**	**6.6**	**6.5**	**6.4**	**6.4**	**6.6**	**6.6**	**6.6**	**6.6**	**6.6**	**6.6**

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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	22.0	53.0	22.0	24.0	46.0	41.0	56.0	18.0
Total opportunities	22.0	53.0	22.0	24.0	48.0	43.0	58.0	19.0
Indicator value	**99.2%**	**99.2%**	**99.5%**	**99.5%**	**99.2%**	**98.5%**	**97.9%**	**97.6%**

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Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
Participating Key personnel	109.0	113.0	113.0	110.0	108.0	109.0	114.0	115.0
Total Key personnel	110.0	114.0	115.0	110.0	109.0	109.0	114.0	115.0
Indicator value	**99.1%**	**99.1%**	**98.3%**	**100.0%**	**99.1%**	**100.0%**	**100.0%**	**100.0%**

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Licensee Comments: none

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/15	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17
Successful siren-tests	186	186	186	182	186	186	185	185
Total sirens-tests	186	186	186	186	186	186	186	186
Indicator value	**99.1%**	**99.4%**	**99.7%**	**99.5%**	**99.5%**	**99.5%**	**99.3%**	**99.7%**

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Licensee Comments: none

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

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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**

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Licensee Comments: none

Although the Security Cornerstone is included in the Reactor Oversight Process assessment program, the Commission has decided that specific information related to findings and performance indicators pertaining to the Security Cornerstone will not be publicly available to ensure that security information is not provided to a possible adversary. Other than the fact that a finding or performance indicator is Green or Greater-Than-Green, security related information will not be displayed on the public web page.

Current data as of: May 5, 2017

Page Last Reviewed/Updated Wednesday, June 07, 2017

United States Nuclear Regulatory Commission
Protecting People and the Environment

Fermi 2 – Quarterly Performance Indicators

2Q/2017 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

On this page:

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- 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	1.0	0	0	0	0	0	0	0
Critical hours	1799.1	867.1	2183.0	1969.9	2208.0	2088.3	1826.0	1748.4
Indicator value	**1.8**	**2.1**	**1.0**	**1.0**	**0**	**0**	**0**	**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	1.0	0	1.0	0	1.0	1.0
Critical hours	1799.1	867.1	2183.0	1969.9	2208.0	2088.3	1826.0	1748.4
Indicator value	**0.9**	**1.1**	**1.0**	**1.0**	**1.9**	**1.7**	**1.7**	**2.7**

TOP

Licensee Comments: none

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	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**

TOP

Licensee Comments: none

Thresholds: White > 6.0

Notes

Safety System Functional Failures (BWR)	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17
Safety System Functional Failures	0	0	1	0	0	1	1	0
Indicator value	**1**	**1**	**2**	**1**	**1**	**2**	**2**	**2**

TOP

Licensee Comments:
1Q/17: LER 2017-001

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)	7.23E-09	5.96E-09	1.15E-08	1.52E-08	1.22E-08	6.48E-09	1.31E-08	2.67E-09
URI (ΔCDF)	-3.37E-08	-3.37E-08	-7.74E-08	-7.74E-08	-7.74E-08	-7.74E-08	-7.74E-08	-7.74E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.60E-08**	**-2.80E-08**	**-6.60E-08**	**-6.20E-08**	**-6.50E-08**	**-7.10E-08**	**-6.40E-08**	**-7.50E-08**

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Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System

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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17
UAI (ΔCDF)	-2.63E-08	-2.63E-08	-2.15E-08	-2.15E-08	-2.15E-08	-2.15E-08	-2.15E-08	-2.15E-08
URI (ΔCDF)	-4.30E-08	-4.30E-08	-3.71E-08	-3.71E-08	-3.71E-08	-3.71E-08	-3.71E-08	-3.71E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-6.90E-08**	**-6.90E-08**	**-5.90E-08**	**-5.90E-08**	**-5.90E-08**	**-5.90E-08**	**-5.90E-08**	**-5.90E-08**

TOP

Licensee Comments: none

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)	-9.25E-10	-9.25E-10	-6.68E-10	-6.68E-10	-6.68E-10	-6.68E-10	-6.68E-10	-6.68E-10
URI (ΔCDF)	-2.33E-09	-2.33E-09	-1.54E-09	-1.55E-09	-1.55E-09	-1.55E-09	-1.55E-09	-1.55E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.30E-09**	**-3.30E-09**	**-2.20E-09**	**-2.20E-09**	**-2.20E-09**	**-2.20E-09**	**-2.20E-09**	**-2.20E-09**

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Licensee Comments:
2Q/16: Changed PRA Parameter(s).

Mitigating Systems Performance Index, Residual Heat Removal System

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

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17
UAI (ΔCDF)	3.23E-09	2.72E-09	9.64E-09	1.70E-09	1.28E-09	1.76E-09	-4.05E-10	-3.59E-10
URI (ΔCDF)	-4.30E-09	-4.30E-09	-1.08E-08	-1.08E-08	-1.08E-08	-1.08E-08	-1.08E-08	-1.08E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.10E-09**	**-1.60E-09**	**-1.10E-09**	**-9.10E-09**	**-9.50E-09**	**-9.00E-09**	**-1.10E-08**	**-1.10E-08**

TOP

Licensee Comments: none

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)	6.33E-09	6.35E-09	2.33E-09	2.92E-09	2.25E-09	3.09E-09	4.15E-09	1.26E-08
URI (ΔCDF)	-2.59E-10	-2.59E-10	-5.89E-10	-5.89E-10	-5.89E-10	-5.89E-10	-5.89E-10	9.47E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**6.10E-09**	**6.10E-09**	**1.70E-09**	**2.30E-09**	**1.70E-09**	**2.50E-09**	**3.60E-09**	**1.40E-08**

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Licensee Comments: none

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	0.000015	0.000011	0.000012	N/A	0.000006	0.000006	0.000007	0.000008	0.000008	0.000011	0.000009	0.000008
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**N/A**	**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	0.000014	0.000011	0.000008	0.000015	0.000005	0.000016	0.000011	0.000019	0.000018	0.000008	0.000010	0.000009
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
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	7/15	8/15	9/15	10/15	11/15	12/15	1/16	2/16	3/16	4/16	5/16	6/16
Maximum leakage	1.660	1.660	1.650	0	1.750	1.680	1.650	1.640	1.640	1.640	1.650	1.650
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.6**	**6.6**	**6.6**	**0**	**7.0**	**6.7**	**6.6**	**6.6**	**6.6**	**6.6**	**6.6**	**6.6**

Reactor Coolant System Leakage	7/16	8/16	9/16	10/16	11/16	12/16	1/17	2/17	3/17	4/17	5/17	6/17
Maximum leakage	1.630	1.610	1.610	1.650	1.660	1.660	1.650	1.650	1.660	1.700	1.840	1.710
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.5**	**6.4**	**6.4**	**6.6**	**6.6**	**6.6**	**6.6**	**6.6**	**6.6**	**6.8**	**7.4**	**6.8**

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	53.0	22.0	24.0	46.0	41.0	56.0	18.0	100.0
Total opportunities	53.0	22.0	24.0	48.0	43.0	58.0	19.0	101.0
Indicator value	**99.2%**	**99.5%**	**99.5%**	**99.2%**	**98.5%**	**97.9%**	**97.6%**	**97.8%**

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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	113.0	113.0	110.0	108.0	109.0	114.0	115.0	114.0
Total Key personnel	114.0	115.0	110.0	109.0	109.0	114.0	115.0	114.0
Indicator value	**99.1%**	**98.3%**	**100.0%**	**99.1%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

TOP

Licensee Comments: none

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/15	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17
Successful siren-tests	186	186	182	186	186	185	185	185
Total sirens-tests	186	186	186	186	186	186	186	186
Indicator value	**99.4%**	**99.7%**	**99.5%**	**99.5%**	**99.5%**	**99.3%**	**99.7%**	**99.6%**

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

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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**

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Licensee Comments: none

Although the Security Cornerstone is included in the Reactor Oversight Process assessment program, the Commission has decided that specific information related to findings and performance indicators pertaining to the Security Cornerstone will not be publicly available to ensure that security information is not provided to a possible adversary. Other than the fact that a finding or performance indicator is Green or Greater-Than-Green, security related information will not be displayed on the public web page.

Current data as of: July 26, 2017

Page Last Reviewed/Updated Wednesday, June 07, 2017

United States Nuclear Regulatory Commission
Protecting People and the Environment

Fermi 2 – Quarterly Performance Indicators

3Q/2017 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

On this page:

- Unplanned Scrams (IE01)
- Unplanned Power Changes per 7000 Critical Hours (IE03)
- Unplanned Scrams with Complications (IE04)
- Safety System Functional Failures (MS05)
- Emergency AC Power Systems (MS06)
- High Pressure Injection Systems (MS07)
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- 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	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	867.1	2183.0	1969.9	2208.0	2088.3	1826.0	1748.4	2208.0
Indicator value	**2.1**	**1.0**	**1.0**	**0**	**0**	**0**	**0**	**0**

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Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs

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	1.0	0	0	0	1.0	1.0	0
Critical hours	867.1	2183.0	1969.9	2208.0	2088.3	1826.0	1748.4	2208.0
Indicator value	**1.1**	**1.0**	**1.0**	**1.0**	**0.8**	**0.9**	**1.8**	**1.8**

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Licensee Comments: none

Unplanned Scrams with Complications

Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17
Scrams with complications	0	0	0	0	0	0	0	0
Indicator value	**1.0**	**1.0**	**1.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

TOP

Licensee Comments: none

Thresholds: White > 6.0

Notes

Safety System Functional Failures (BWR)	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17
Safety System Functional Failures	0	1	0	0	1	1	0	1
Indicator value	**1**	**2**	**1**	**1**	**2**	**2**	**2**	**3**

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Licensee Comments:
3Q/17: LER 2017-003, Division 2 Residual Heat Removal Service Water System (RHRSW) Inoperable Due to an Inoperable RHRSW Flow Control Valve
1Q/17: LER 2017-001

Mitigating Systems Performance Index, Emergency AC Power System

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

Notes

Mitigating Systems Performance Index, Emergency AC Power System	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17
UAI (ΔCDF)	5.96E-09	1.15E-08	1.52E-08	1.22E-08	6.48E-09	1.31E-08	2.67E-09	4.76E-09
URI (ΔCDF)	-3.37E-08	-7.74E-08	-7.74E-08	-7.74E-08	-7.74E-08	-7.74E-08	-7.74E-08	-5.99E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.80E-08**	**-6.60E-08**	**-6.20E-08**	**-6.50E-08**	**-7.10E-08**	**-6.40E-08**	**-7.50E-08**	**-5.50E-08**

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Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System

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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17
UAI (ΔCDF)	-2.63E-08	-2.15E-08	-2.15E-08	-2.15E-08	-2.15E-08	-2.15E-08	-2.15E-08	-2.15E-08
URI (ΔCDF)	-4.30E-08	-3.71E-08	-3.71E-08	-3.71E-08	-3.71E-08	-3.71E-08	-3.71E-08	-3.71E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-6.90E-08**	**-5.90E-08**	**-5.90E-08**	**-5.90E-08**	**-5.90E-08**	**-5.90E-08**	**-5.90E-08**	**-5.90E-08**

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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/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17
UAI (ΔCDF)	-9.25E-10	-6.68E-10	-6.68E-10	-6.68E-10	-6.68E-10	-6.68E-10	-6.68E-10	-6.68E-10
URI (ΔCDF)	-2.33E-09	-1.54E-09	-1.55E-09	-1.55E-09	-1.55E-09	-1.55E-09	-1.55E-09	-1.55E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-3.30E-09**	**-2.20E-09**	**-2.20E-09**	**-2.20E-09**	**-2.20E-09**	**-2.20E-09**	**-2.20E-09**	**-2.20E-09**

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Licensee Comments:
2Q/16: Changed PRA Parameter(s).

Mitigating Systems Performance Index, Residual Heat Removal System

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

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17
UAI (ΔCDF)	2.72E-09	9.64E-09	1.70E-09	1.28E-09	1.76E-09	-4.05E-10	-3.59E-10	-1.20E-09
URI (ΔCDF)	-4.30E-09	-1.08E-08	-1.08E-08	-1.08E-08	-1.08E-08	-1.08E-08	-1.08E-08	-1.08E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.60E-09**	**-1.10E-09**	**-9.10E-09**	**-9.50E-09**	**-9.00E-09**	**-1.10E-08**	**-1.10E-08**	**-1.20E-08**

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Licensee Comments: none

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)	6.35E-09	2.33E-09	2.92E-09	2.25E-09	3.09E-09	4.15E-09	1.26E-08	1.53E-08
URI (ΔCDF)	-2.59E-10	-5.89E-10	-5.89E-10	-5.89E-10	-5.89E-10	-5.89E-10	9.47E-10	9.47E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**6.10E-09**	**1.70E-09**	**2.30E-09**	**1.70E-09**	**2.50E-09**	**3.60E-09**	**1.40E-08**	**1.60E-08**

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Licensee Comments: none

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	N/A	0.000006	0.000006	0.000007	0.000008	0.000008	0.000011	0.000009	0.000008	0.000014	0.000011	0.000008
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**N/A**	**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	0.000015	0.000005	0.000016	0.000011	0.000019	0.000018	0.000008	0.000010	0.000009	0.000010	0.000009	0.000011
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

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	1.750	1.680	1.650	1.640	1.640	1.640	1.650	1.650	1.630	1.610	1.610
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**0**	**7.0**	**6.7**	**6.6**	**6.6**	**6.6**	**6.6**	**6.6**	**6.6**	**6.5**	**6.4**	**6.4**

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	1.650	1.660	1.660	1.650	1.650	1.660	1.700	1.840	1.710	1.640	1.640	1.640
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.6**	**6.6**	**6.6**	**6.6**	**6.6**	**6.6**	**6.8**	**7.4**	**6.8**	**6.6**	**6.6**	**6.6**

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	22.0	24.0	46.0	41.0	56.0	18.0	100.0	12.0
Total opportunities	22.0	24.0	48.0	43.0	58.0	19.0	101.0	12.0
Indicator value	**99.5%**	**99.5%**	**99.2%**	**98.5%**	**97.9%**	**97.6%**	**97.8%**	**97.6%**

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	113.0	110.0	108.0	109.0	114.0	115.0	114.0	108.0
Total Key personnel	115.0	110.0	109.0	109.0	114.0	115.0	114.0	109.0
Indicator value	**98.3%**	**100.0%**	**99.1%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**99.1%**

TOP

Licensee Comments: none

Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17
Successful siren-tests	186	182	186	186	185	185	185	185
Total sirens-tests	186	186	186	186	186	186	186	186
Indicator value	**99.7%**	**99.5%**	**99.5%**	**99.5%**	**99.3%**	**99.7%**	**99.6%**	**99.5%**

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

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

Fermi 2 – Quarterly Performance Indicators

4Q/2017 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

On this page:

- Unplanned Scrams (IE01)
- Unplanned Power Changes per 7000 Critical Hours (IE03)
- Unplanned Scrams with Complications (IE04)
- Safety System Functional Failures (MS05)
- Emergency AC Power Systems (MS06)
- High Pressure Injection Systems (MS07)
- Heat Removal Systems (MS08)
- Residual Heat Removal Systems (MS09)
- Cooling Water Systems (MS10)
- Reactor Coolant System Activity (BI01)
- Reactor Coolant System Leakage (BI02)
- Drill/Exercise Performance (EP01)
- Emergency Response Organization Drill Participation (EP02)
- Alert and Notification System Reliability (EP03)
- Occupational Exposure Control Effectiveness (OR01)
- RETS/OCDM Radiological Effluent Occurrence (PR01)
- Protected Area Equipment (PP01)

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2183.0	1969.9	2208.0	2088.3	1826.0	1748.4	2208.0	2209.0
Indicator value	**1.0**	**1.0**	**0**	**0**	**0**	**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	1.0	0	0	0	1.0	1.0	0	1.0
Critical hours	2183.0	1969.9	2208.0	2088.3	1826.0	1748.4	2208.0	2209.0
Indicator value	**1.0**	**1.0**	**1.0**	**0.8**	**0.9**	**1.8**	**1.8**	**2.6**

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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	**1.0**	**1.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

TOP

Licensee Comments: none

Thresholds: White > 6.0

Notes

Safety System Functional Failures (BWR)	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
Safety System Functional Failures	1	0	0	1	1	0	1	0
Indicator value	**2**	**1**	**1**	**2**	**2**	**2**	**3**	**2**

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Licensee Comments:
3Q/17: LER 2017-003, Division 2 Residual Heat Removal Service Water System (RHRSW) Inoperable Due to an Inoperable RHRSW Flow Control Valve
1Q/17: LER 2017-001

Mitigating Systems Performance Index, Emergency AC Power System

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

Notes

Mitigating Systems Performance Index, Emergency AC Power System	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
UAI (ΔCDF)	1.15E-08	1.52E-08	1.22E-08	6.48E-09	1.31E-08	2.67E-09	4.76E-09	5.42E-09
URI (ΔCDF)	-7.74E-08	-7.74E-08	-7.74E-08	-7.74E-08	-7.74E-08	-7.74E-08	-5.99E-08	-5.99E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-6.60E-08**	**-6.20E-08**	**-6.50E-08**	**-7.10E-08**	**-6.40E-08**	**-7.50E-08**	**-5.50E-08**	**-5.40E-08**

TOP

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System

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

Notes

Mitigating Systems Performance Index, High Pressure Injection System	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
UAI (ΔCDF)	-2.15E-08	-2.15E-08	-2.15E-08	-2.15E-08	-2.15E-08	-2.15E-08	-2.15E-08	-2.15E-08
URI (ΔCDF)	-3.71E-08	-3.71E-08	-3.71E-08	-3.71E-08	-3.71E-08	-3.71E-08	-3.71E-08	-3.71E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-5.90E-08**	**-5.90E-08**	**-5.90E-08**	**-5.90E-08**	**-5.90E-08**	**-5.90E-08**	**-5.90E-08**	**-5.90E-08**

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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/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
UAI (ΔCDF)	-6.68E-10	-6.68E-10	-6.68E-10	-6.68E-10	-6.68E-10	-6.68E-10	-6.68E-10	-6.68E-10
URI (ΔCDF)	-1.54E-09	-1.55E-09	-1.55E-09	-1.55E-09	-1.55E-09	-1.55E-09	-1.55E-09	-1.55E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-2.20E-09**	**-2.20E-09**	**-2.20E-09**	**-2.20E-09**	**-2.20E-09**	**-2.20E-09**	**-2.20E-09**	**-2.20E-09**

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Licensee Comments:
2Q/16: 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/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
UAI (ΔCDF)	9.64E-09	1.70E-09	1.28E-09	1.76E-09	-4.05E-10	-3.59E-10	-1.20E-09	1.30E-09
URI (ΔCDF)	-1.08E-08	-1.08E-08	-1.08E-08	-1.08E-08	-1.08E-08	-1.08E-08	-1.08E-08	-1.08E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**-1.10E-09**	**-9.10E-09**	**-9.50E-09**	**-9.00E-09**	**-1.10E-08**	**-1.10E-08**	**-1.20E-08**	**-9.50E-09**

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Licensee Comments: none

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)	2.33E-09	2.92E-09	2.25E-09	3.09E-09	4.15E-09	1.26E-08	1.53E-08	1.59E-08
URI (ΔCDF)	-5.89E-10	-5.89E-10	-5.89E-10	-5.89E-10	-5.89E-10	9.47E-10	9.47E-10	9.47E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	**1.70E-09**	**2.30E-09**	**1.70E-09**	**2.50E-09**	**3.60E-09**	**1.40E-08**	**1.60E-08**	**1.70E-08**

TOP

Licensee Comments: none

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	0.000007	0.000008	0.000008	0.000011	0.000009	0.000008	0.000014	0.000011	0.000008	0.000015	0.000005	0.000016
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Activity	1/17	2/17	3/17	4/17	5/17	6/17	7/17	8/17	9/17	10/17	11/17	12/17
Maximum activity	0.000011	0.000019	0.000018	0.000008	0.000010	0.000009	0.000010	0.000009	0.000011	0.000011	0.000011	0.000703
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0.4**

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	1.650	1.640	1.640	1.640	1.650	1.650	1.630	1.610	1.610	1.650	1.660	1.660
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.6**	**6.6**	**6.6**	**6.6**	**6.6**	**6.6**	**6.5**	**6.4**	**6.4**	**6.6**	**6.6**	**6.6**

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	1.650	1.650	1.660	1.700	1.840	1.710	1.640	1.640	1.640	1.630	1.620	1.590
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	**6.6**	**6.6**	**6.6**	**6.8**	**7.4**	**6.8**	**6.6**	**6.6**	**6.6**	**6.5**	**6.5**	**6.4**

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	24.0	46.0	41.0	56.0	18.0	100.0	12.0	19.0
Total opportunities	24.0	48.0	43.0	58.0	19.0	101.0	12.0	19.0
Indicator value	**99.5%**	**99.2%**	**98.5%**	**97.9%**	**97.6%**	**97.8%**	**97.6%**	**97.5%**

TOP

Licensee Comments: none

Notes

ERO Drill Participation	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
Participating Key personnel	110.0	108.0	109.0	114.0	115.0	114.0	108.0	107.0
Total Key personnel	110.0	109.0	109.0	114.0	115.0	114.0	109.0	110.0
Indicator value	**100.0%**	**99.1%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**99.1%**	**97.3%**

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	182	186	186	185	185	185	185	185
Total sirens-tests	186	186	186	186	186	186	186	186
Indicator value	**99.5%**	**99.5%**	**99.5%**	**99.3%**	**99.7%**	**99.6%**	**99.5%**	**99.5%**

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

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Current data as of: February 1, 2018

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