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Indian Point 2 – Quarterly Performance Indicators

4Q/2017 Performance Indicators

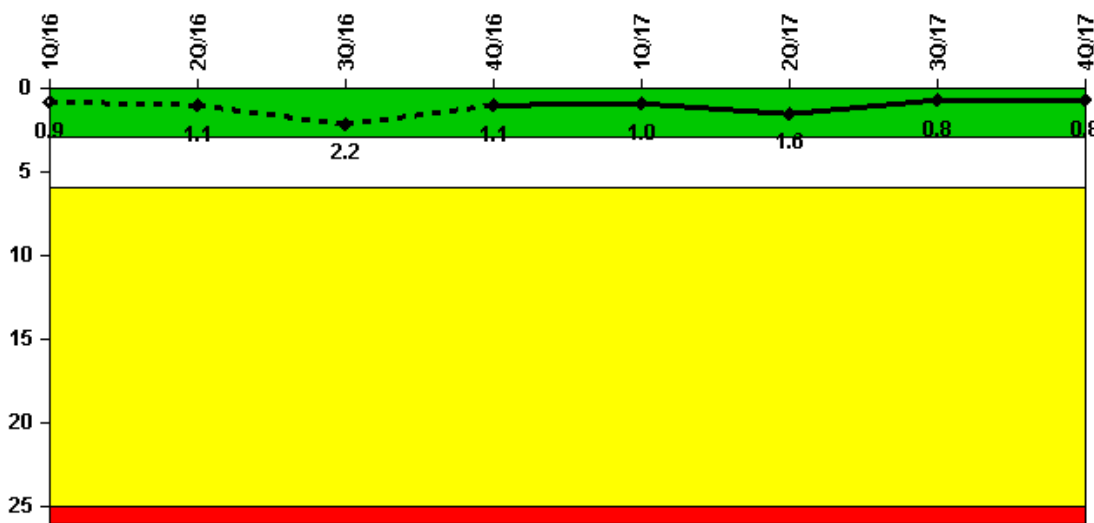
The solid trend line represents the current reporting period.

Licensee's General Comments: none

On this page:

- Unplanned Scrams (IE01)
- Unplanned Power Changes per 7000 Critical Hours (IE03)
- Unplanned Scrams with Complications (IE04)
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- Emergency AC Power Systems (MS06)
- High Pressure Injection Systems (MS07)
- Heat Removal Systems (MS08)
- Residual Heat Removal Systems (MS09)
- Cooling Water Systems (MS10)
- Reactor Coolant System Activity (BI01)
- Reactor Coolant System Leakage (BI02)
- Drill/Exercise Performance (EP01)
- Emergency Response Organization Drill Participation (EP02)
- Alert and Notification System Reliability (EP03)
- Occupational Exposure Control Effectiveness (OR01)
- RETS/OCDM Radiological Effluent Occurrence (PR01)
- Protected Area Equipment (PP01)

Unplanned Scrams per 7000 Critical Hrs



Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

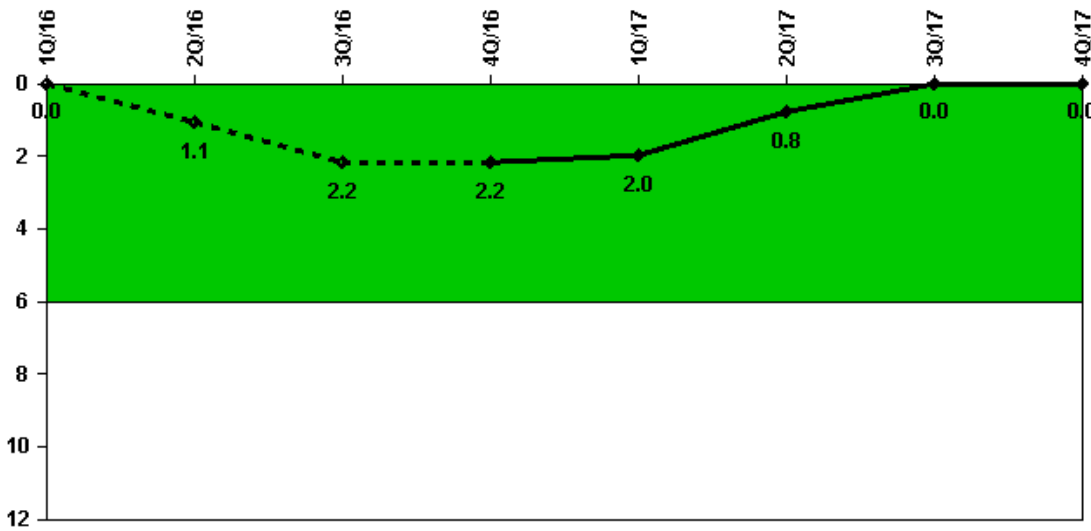
Unplanned Scrams per 7000 Critical Hrs	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
Unplanned scrams	0	0	1.0	0	0	1.0	0	0
Critical hours	1584.0	319.8	2189.0	2209.0	2159.0	2128.9	2171.0	1872.6
Indicator value	0.9	1.1	2.2	1.1	1.0	1.6	0.8	0.8

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Licensee Comments:

3Q/16: On July 6, 2016, an automatic reactor trip was initiated during preparations for testing the reactor protection system logic train B actuation logic. LER-2016-009 reported this event on September 6, 2016.

Unplanned Power Changes per 7000 Critical Hrs



Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
Unplanned power changes	0	1.0	1.0	0	0	0	0	0
Critical hours	1584.0	319.8	2189.0	2209.0	2159.0	2128.9	2171.0	1872.6

Indicator value	0	1.1	2.2	2.2	2.0	0.8	0	0
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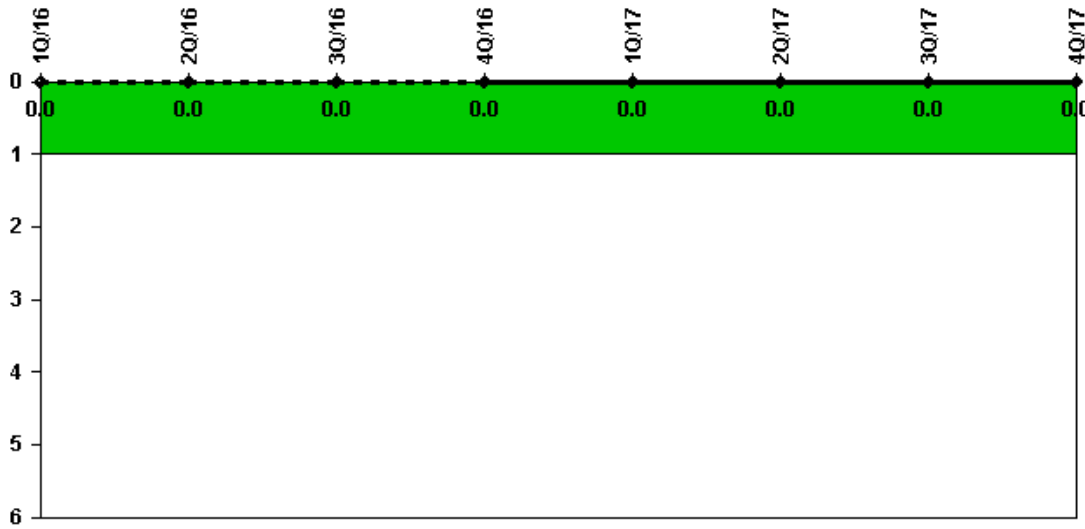
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Licensee Comments:

3Q/16: On August 6, 2016, Heater Drain Tank (HDT) level controller failed causing both HDT discharge level control valves to fail open. HDT level lowered and both HDT pumps tripped at the low level setpoint. Operators rapidly reduced load to match steam flow and feedwater flow. During the rapid downpower, the RCS was borated and control rods were inserted. Critical parameters were maintained within limits. Power was stabilized at 78%.

2Q/16: On June 24, 2016, actions were initiated to commence reactor shutdown to comply the Technical Specification LCO 3.7.7 in order to repair a leaking weld on the 20 inch Service Water pipe to nozzle weld on the 21 Component Cooling Water Heat Exchanger. Entered Mode 3 at 07:59 hours, after normal plant shutdown and reactor trip per normal shutdown procedure 2-POP-3.1 (Plant Shutdown From 45% Power).

Unplanned Scrams with Complications



Thresholds: White > 1.0

Notes

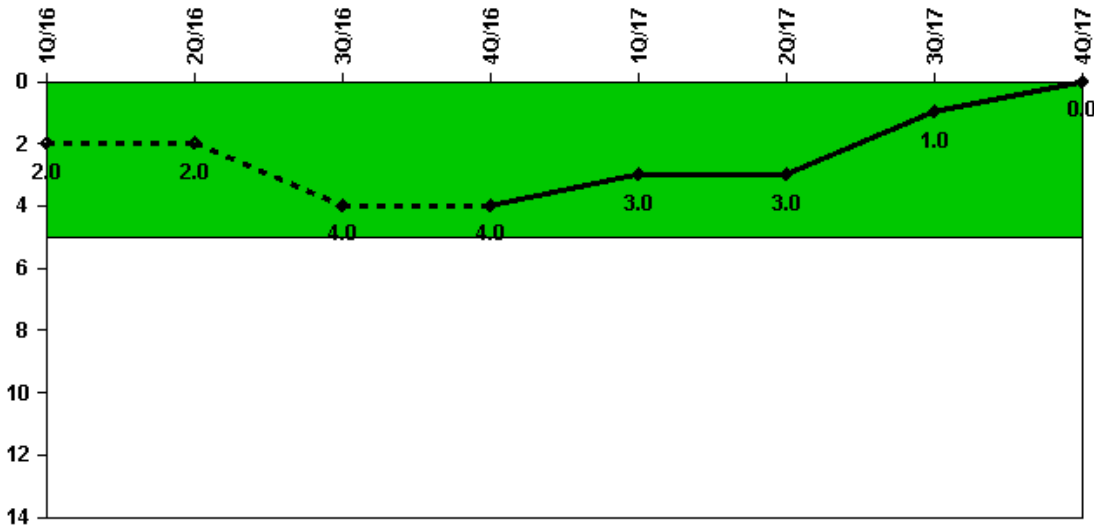
Unplanned Scrams with Complications	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
Scrams with complications	0	0	0	0	0	0	0	0

Indicator value	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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Licensee Comments: none

Safety System Functional Failures (PWR)



Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR) 1Q/16 2Q/16 3Q/16 4Q/16 1Q/17 2Q/17 3Q/17 4Q/17

Safety System Functional Failures 1 0 2 1 0 0 0 0

Indicator value 2 2 4 4 3 3 1 0

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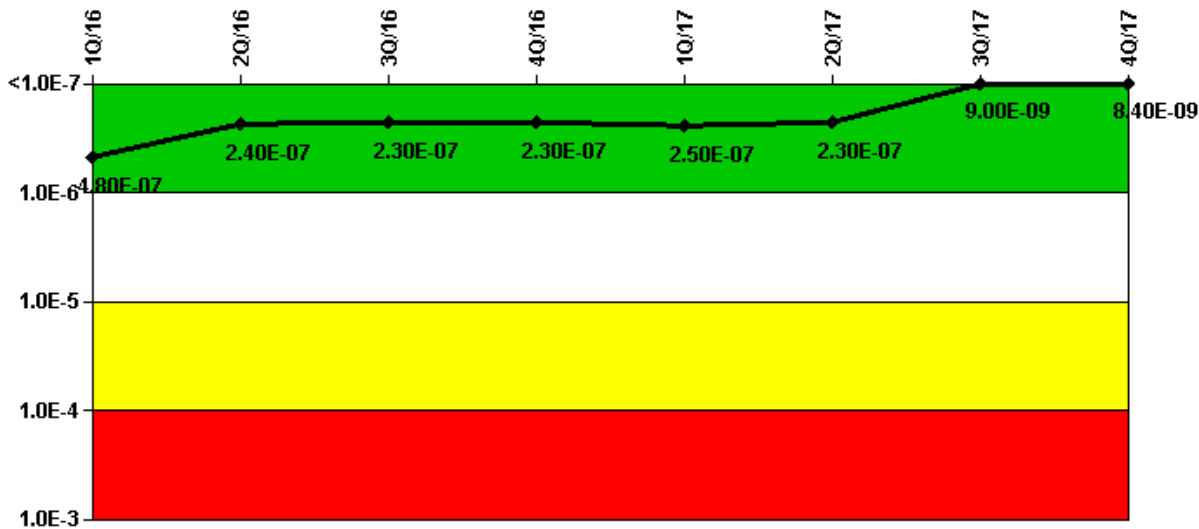
Licensee Comments:

4Q/16: LER-2016-010 reported on December 21, 2016, a SSFF due to an inoperable containment caused by a through wall defect in a service water supply pipe elbow to the 24 fan cooler unit.

3Q/16: LER-2016-007 reported on August 9, 2016, a safety system functional failure after discovering in Mode 4 two open ECCS sump barrier gates. The condition could have prevented adequate post accident core cooling due to DBA debris blockage of the containment recirculation sump and/or the containment sump. TS requires the ECCS to be operable in Modes 1-4. The licensing and design basis of the ECCS credits flow channeling barriers installed in response to GL-2004-02. On September 29, 2016, a revision of LER-2015-001 was submitted reporting a SSFF in addition to the initial reporting as a TS prohibited condition. Additional Entergy reporting guidance determined that this event was also reportable as a SSFF.

1Q/16: LER-2015-004 reported on February 18, 2016, a SSFF due to an inoperable containment caused by a flawed SW pipe elbow on the 21 FCU motor cooler return pipe.

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)	9.97E-08	7.86E-08	7.07E-08	6.79E-08	6.11E-08	3.04E-08	3.51E-08	3.45E-08
URI (ΔCDF)	3.80E-07	1.59E-07	1.61E-07	1.67E-07	1.86E-07	1.99E-07	-2.61E-08	-2.62E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	4.80E-07	2.40E-07	2.30E-07	2.30E-07	2.50E-07	2.30E-07	9.00E-09	8.40E-09

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Licensee Comments:

4Q/17: Multiple changes to previous quarterly data entered between the 3rd Quarter 2014 and the 1st Quarter 2017 as described in CR-IP2-2017-03196.

3Q/17: Changes to 2nd Quarter 2017 Planned Unavailable Hours, Demands, and Run Hours as described in CR-IP2-2017-03203. No effect on color of performance indicator.

3Q/17: Changes to 2nd Quarter 2017 planned unavailable hours, demands, and run times as described in CR-IP2-2017-03203. No effect on color of performance indicator.

2Q/17: A periodic update of the Unit 2 Probabilistic Safety Assessment (PSA) was performed per the requirements of Entergy fleet procedure EN-DC-151 (PSA Maintenance and Update), which requires a periodic model update be performed nominally once every four years, up to a maximum of six years. This update includes plant design and procedure changes and general modeling enhancements identified since issuance of the previous IP2 PSA model of record. This revision of the PSA model includes resolution of all Level A & B findings (F&Os) from the Regulatory Guide 1.200 peer review, as well as incorporation of significant self-identified Model Change Requests (MCRs). Changes to 2nd Quarter 2017 Planned Unavailable Hours, Demands, and Run Hours as described in CR-IP2-2017-03203. No effect on color of performance indicator.

2Q/17: A periodic update of the Unit 2 Probabilistic Safety Assessment (PSA) was performed per the requirements of Entergy fleet procedure EN-DC-151 (PSA Maintenance and Update), which requires a periodic model update be performed nominally once every four years, up to a maximum of six years. This update includes plant design and procedure changes and general modeling enhancements identified since issuance of the previous IP2 PSA model of record. This revision of the PSA model includes resolution of all Level A & B findings (F&Os) from the Regulatory Guide 1.200 peer review, as well as incorporation of significant self-identified Model Change

Requests (MCRs).

2Q/17: A periodic update of the Unit 2 Probabilistic Safety Assessment (PSA) was performed per the requirements of Entergy fleet procedure EN-DC-151 (PSA Maintenance and Update), which requires a periodic model update be performed nominally once every four years, up to a maximum of six years. This update includes plant design and procedure changes and general modeling enhancements identified since issuance of the previous IP2 PSA model of record. This revision of the PSA model includes resolution of all Level A & B findings (F&Os) from the Regulatory Guide 1.200 peer review, as well as incorporation of significant self-identified Model Change Requests (MCRs). Changes to 2nd Quarter 2017 planned unavailable hours, demands, and run times as described in CR-IP2-2017-03203. No effect on color of performance indicator.

1Q/17: Corrected unavailability hours and run times as required per train (CR-IP2-2017-03196).

4Q/16: Corrected unavailability hours and run times as required per train (CR-IP2-2017-03196).

3Q/16: Corrected unavailability hours and run times as required per train (CR-IP2-2017-03196).

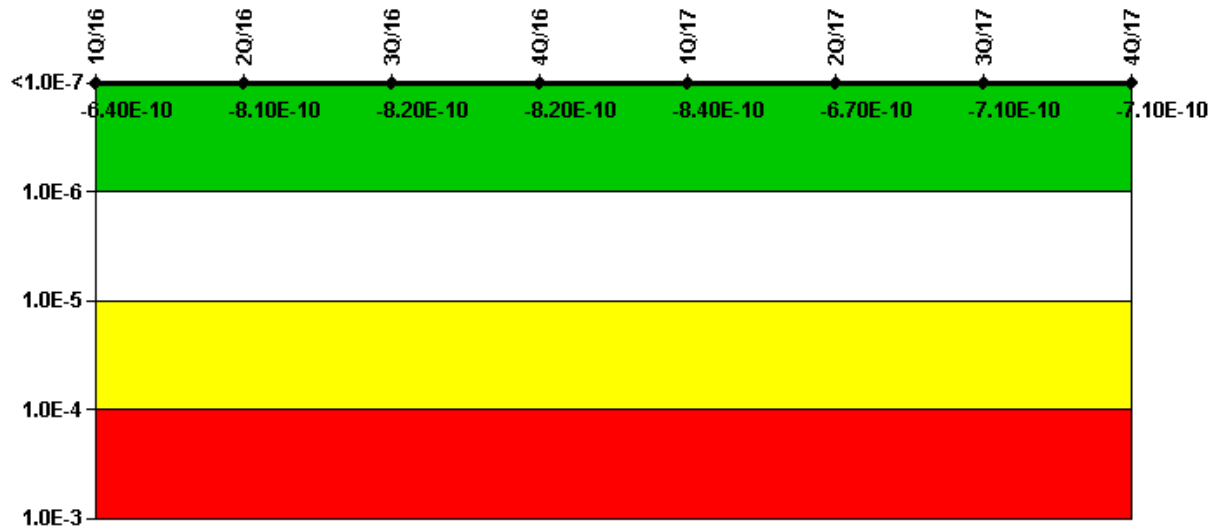
2Q/16: Corrected run times as required per train (CR-IP2-2017-03196).

1Q/16: Load failure of 23 EDG recorded on 3/7/16 report # 321856 due to a degraded automatic voltage regulator. Corrected unavailability hours and run times as required per train; added one start/load demand for 22EDG and 23EDG (CR-IP2-2017-03196).

1Q/16: Load failure of 23 EDG recorded on 3/7/16 report # 321856 due to a degraded automatic voltage regulator.

1Q/16: Load failure of 23 EDG recorded on 3/7/16 report # 321856 due to a degraded automatic voltage regulator.

Mitigating Systems Performance Index, High Pressure Injection System



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

Notes

Mitigating Systems Performance Index, High Pressure Injection System

	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
UAI (ΔCDF)	-1.46E-10	-3.14E-10	-3.27E-10	-3.27E-10	-3.29E-10	-2.53E-10	-2.81E-10	-2.81E-10
	10	10	10	10	10	10	10	10
URI (ΔCDF)	-4.99E-10	-5.01E-10	-4.92E-10	-4.92E-10	-5.09E-10	-4.12E-10	-4.27E-10	-4.34E-10
	10	10	10	10	10	10	10	10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-6.40E-10	-8.10E-10	-8.20E-10	-8.20E-10	-8.40E-10	-6.70E-10	-7.10E-10	-7.10E-10
	10	10	10	10	10	10	10	10

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Licensee Comments:

4Q/17: Multiple changes to previous quarterly data entered between the 1st Quarter 2015 and the 2nd Quarter 2017 as described in CR-IP2-2017-03196.

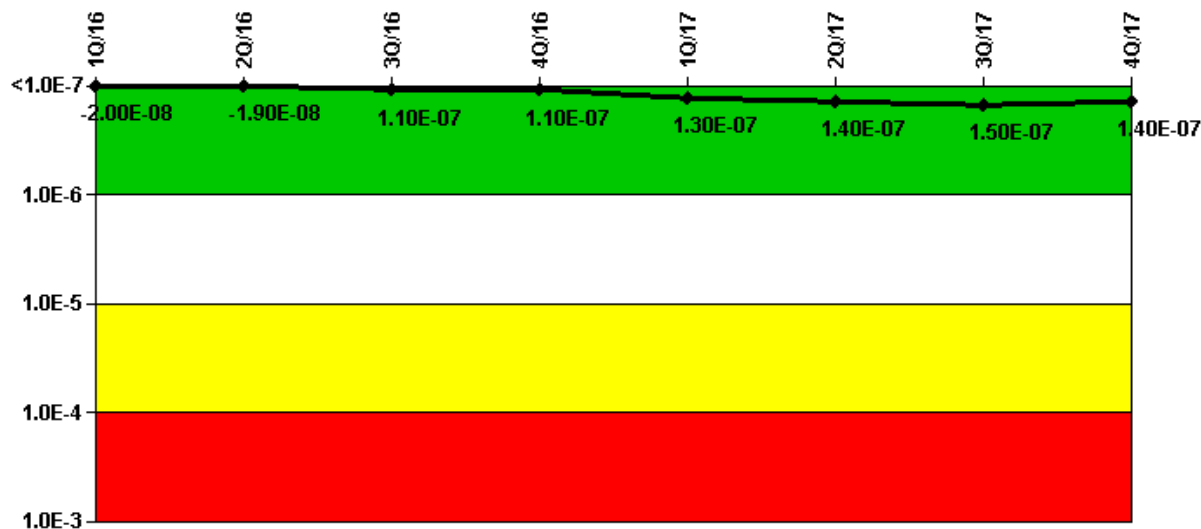
2Q/17: A periodic update of the Unit 2 Probabilistic Safety Assessment (PSA) was performed per the requirements of Entergy fleet procedure EN-DC-151 (PSA Maintenance and Update), which requires a periodic model update be performed nominally once every four years, up to a maximum of six years. This update includes plant design and procedure changes and general modeling enhancements identified since issuance of the previous IP2 PSA model of record. This revision of the PSA model includes resolution of all Level A & B findings (F&Os) from the Regulatory Guide 1.200 peer review, as well as incorporation of significant self-identified Model Change Requests (MCRs). Corrected 23SIP demand/run time for June (CR-IP2-2017-03196).

2Q/17: A periodic update of the Unit 2 Probabilistic Safety Assessment (PSA) was performed per the requirements of Entergy fleet procedure EN-DC-151 (PSA Maintenance and Update), which requires a periodic model update be performed nominally once every four years, up to a maximum of six years. This update includes plant design and procedure changes and general modeling enhancements identified since issuance of the previous IP2 PSA model of record. This revision of the PSA model includes resolution of all Level A & B findings (F&Os) from the Regulatory Guide 1.200 peer review, as well as incorporation of significant self-identified Model Change Requests (MCRs).

1Q/17: Corrected 888A/B demands for March (CR-IP2-2017-03196).

2Q/16: Corrected 888A/B demands for June (CR-IP2-2017-03196).

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)	1.10E-08	1.30E-08	1.62E-08	1.84E-08	2.57E-08	2.83E-08	2.68E-08	2.29E-08
URI (ΔCDF)	-3.09E-08	-3.24E-08	9.17E-08	9.19E-08	1.07E-07	1.17E-07	1.23E-07	1.19E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-2.00E-08	-1.90E-08	1.10E-07	1.10E-07	1.30E-07	1.40E-07	1.50E-07	1.40E-07

TOP

Licensee Comments:

4Q/17: Multiple changes to previous quarterly data entered between the 4th Quarter 2014 and the 3rd Quarter 2017 as described in CR-IP2-2017-03196.

3Q/17: Change to 2nd Quarter 2017 planned unavailable hours and demands and run times as described in CR-IP2-2017-03169 and CR-IP2-2017-03196. No effect on color of performance indicator.

3Q/17: Change to 2nd Quarter 2017 Planned Unavailable Hours as described in CR-IP2-2017-03169. No effect on color of performance indicator.

2Q/17: A periodic update of the Unit 2 Probabilistic Safety Assessment (PSA) was performed per the requirements of Entergy fleet procedure EN-DC-151 (PSA Maintenance and Update), which requires a periodic model update be performed nominally once every four years, up to a maximum of six years. This update includes plant design and procedure changes and general modeling enhancements identified since issuance of the previous IP2 PSA model of record. This revision of the PSA model includes resolution of all Level A & B findings (F&Os) from the Regulatory Guide 1.200 peer review, as well as incorporation of significant self-identified Model Change Requests (MCRs). Change to 2nd Quarter 2017 planned unavailable hours as described in CR-IP2-2017-03169. No effect on color of performance indicator. Corrected 22AFP unavailability hours, and demands and run times based on plant trip (CR-IP2-2017-03196).

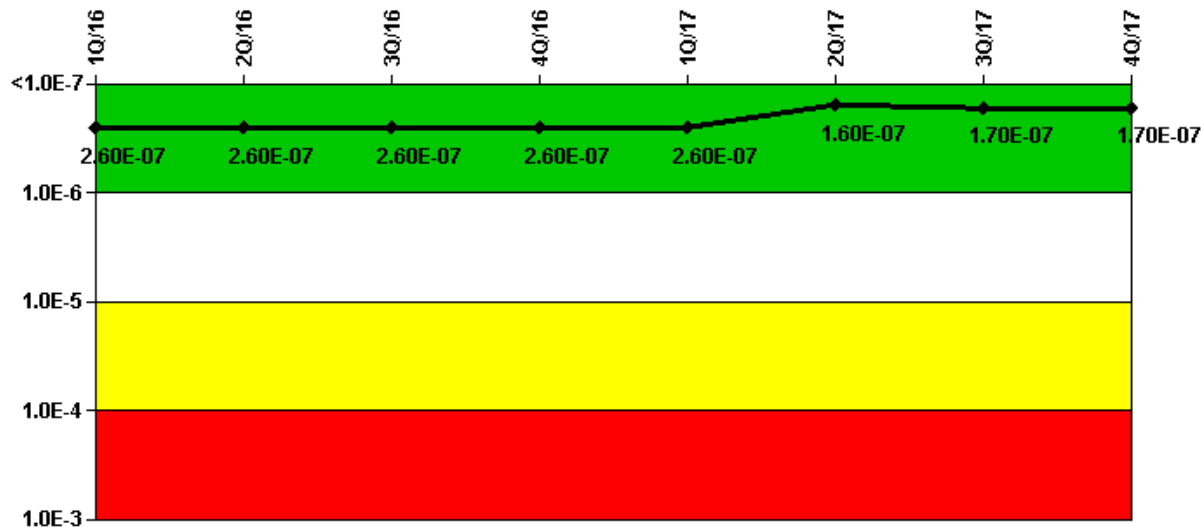
2Q/17: A periodic update of the Unit 2 Probabilistic Safety Assessment (PSA) was performed per the requirements of Entergy fleet procedure EN-DC-151 (PSA Maintenance and Update), which requires a periodic model update be performed nominally once every four years, up to a maximum of six years. This update includes plant design and procedure changes and general modeling enhancements identified since issuance of the previous IP2 PSA model of record. This revision of the PSA model includes resolution of all Level A & B findings (F&Os) from the Regulatory Guide 1.200 peer review, as well as incorporation of significant self-identified Model Change Requests (MCRs). Change to 2nd Quarter 2017 Planned Unavailable Hours as described in CR-IP2-2017-03169. No effect on color of performance indicator.

2Q/17: A periodic update of the Unit 2 Probabilistic Safety Assessment (PSA) was performed per the requirements of Entergy fleet procedure EN-DC-151 (PSA Maintenance and Update), which requires a periodic model update be performed nominally once every four years, up to a maximum of six years. This update includes plant design and procedure changes and general modeling enhancements identified since issuance of the previous IP2 PSA model of record. This revision of the PSA model includes resolution of all Level A & B findings (F&Os) from the Regulatory Guide 1.200 peer review, as well as incorporation of significant self-identified Model Change Requests (MCRs).

3Q/16: Corrected demands and run times (CR-IP2-2017-03196).

1Q/16: Corrected unavailability hours and 21AFP demands and run times (CR-IP2-2017-03196).

Mitigating Systems Performance Index, Residual Heat Removal System



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

Notes

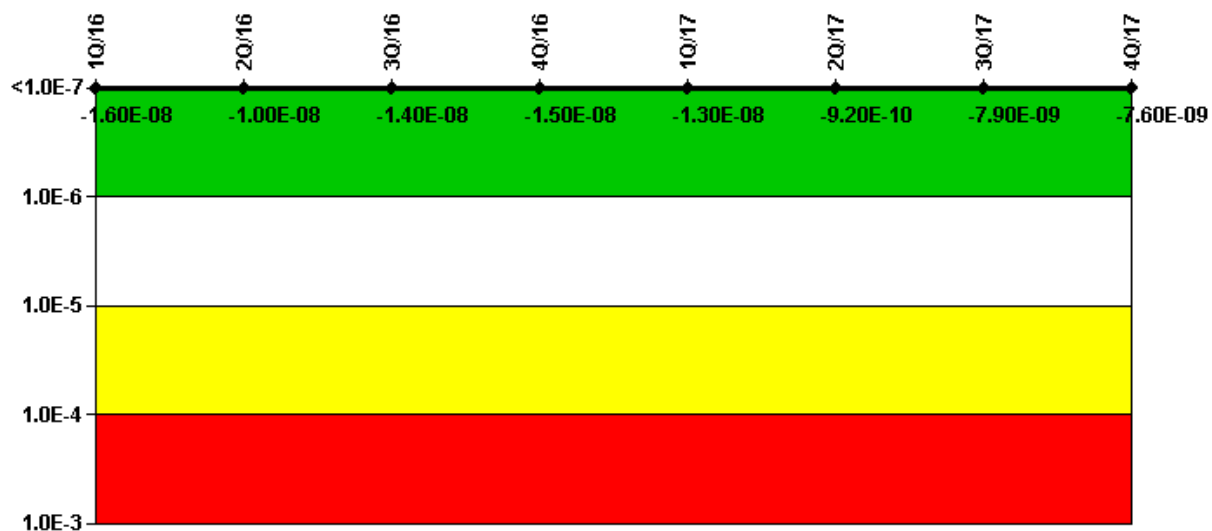
Mitigating Systems Performance Index, Residual Heat Removal System	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
UAI (ΔCDF)	-3.95E-09	-8.70E-09	-8.06E-09	-9.18E-09	-9.10E-09	-5.57E-09	-5.95E-09	-5.93E-09
URI (ΔCDF)	2.66E-07	2.65E-07	2.65E-07	2.64E-07	2.68E-07	1.61E-07	1.72E-07	1.72E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	2.60E-07	2.60E-07	2.60E-07	2.60E-07	2.60E-07	1.60E-07	1.70E-07	1.70E-07

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Licensee Comments:

- 4Q/17: Multiple changes to previous quarterly data entered between the 3rd Quarter 2015 and the 1st Quarter 2017 as described in CR-IP2-2017-03196.
- 3Q/17: Change to 2nd Quarter 2017 Planned Unavailable Hours as described in CR-IP2-2017-03196. No effect on color of performance indicator.
- 3Q/17: Change to 2nd Quarter 2017 planned unavailable hours as described in CR-IP2-2017-03196. No effect on color of performance indicator.
- 2Q/17: A periodic update of the Unit 2 Probabilistic Safety Assessment (PSA) was performed per the requirements of Entergy fleet procedure EN-DC-151 (PSA Maintenance and Update), which requires a periodic model update be performed nominally once every four years, up to a maximum of six years. This update includes plant design and procedure changes and general modeling enhancements identified since issuance of the previous IP2 PSA model of record. This revision of the PSA model includes resolution of all Level A & B findings (F&Os) from the Regulatory Guide 1.200 peer review, as well as incorporation of significant self-identified Model Change Requests (MCRs). Change to 2nd Quarter 2017 planned unavailable hours as described in CR-IP2-2017-03196. No effect on color of performance indicator.
- 2Q/17: A periodic update of the Unit 2 Probabilistic Safety Assessment (PSA) was performed per the requirements of Entergy fleet procedure EN-DC-151 (PSA Maintenance and Update), which requires a periodic model update be performed nominally once every four years, up to a maximum of six years. This update includes plant design and procedure changes and general modeling enhancements identified since issuance of the previous IP2 PSA model of record. This revision of the PSA model includes resolution of all Level A & B findings (F&Os) from the Regulatory Guide 1.200 peer review, as well as incorporation of significant self-identified Model Change Requests (MCRs). Change to 2nd Quarter 2017 Planned Unavailable Hours as described in CR-IP2-2017-03196. No effect on color of performance indicator.
- 2Q/17: A periodic update of the Unit 2 Probabilistic Safety Assessment (PSA) was performed per the requirements of Entergy fleet procedure EN-DC-151 (PSA Maintenance and Update), which requires a periodic model update be performed nominally once every four years, up to a maximum of six years. This update includes plant design and procedure changes and general modeling enhancements identified since issuance of the previous IP2 PSA model of record. This revision of the PSA model includes resolution of all Level A & B findings (F&Os) from the Regulatory Guide 1.200 peer review, as well as incorporation of significant self-identified Model Change Requests (MCRs).
- 1Q/17: Corrected 22RHR run time for January (CR-IP2-2017-03196).
- 4Q/16: Corrected 885A demands for October (CR-IP2-2017-03196).
- 2Q/16: Corrected unavailability hours for June (CR-IP2-2017-03196).
- 1Q/16: Corrected 21 and 22RHR demands and run times for March (CR-IP2-2017-03196).

Mitigating Systems Performance Index, Cooling Water Systems



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

Notes

Mitigating Systems Performance Index, Cooling Water Systems

	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
UAI (ΔCDF)	3.67E-09	1.00E-08	6.43E-09	6.46E-09	6.96E-09	8.18E-09	1.83E-09	1.92E-09
URI (ΔCDF)	-2.02E-08	-2.03E-08	-2.06E-08	-2.10E-08	-2.05E-08	-9.10E-09	-9.68E-09	-9.50E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.60E-08	-1.00E-08	-1.40E-08	-1.50E-08	-1.30E-08	-9.20E-10	-7.90E-09	-7.60E-09

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Licensee Comments:

4Q/17: Multiple changes to previous quarterly data entered between the 4th Quarter 2014 and the 3rd Quarter 2016 as described in CR-IP2-2017-03196.

3Q/17: Changes to 2nd Quarter 2017 Demands and Run Hours as described in CR-IP2-2017-03196. No effect on color of performance indicator.

3Q/17: Changes to 2nd Quarter 2017 demands and run times as described in CR-IP2-2017-03196. No effect on color of performance indicator.

2Q/17: A periodic update of the Unit 2 Probabilistic Safety Assessment (PSA) was performed per the requirements of Entergy fleet procedure EN-DC-151 (PSA Maintenance and Update), which requires a periodic model update be performed nominally once every four years, up to a maximum of six years. This update includes plant design and procedure changes and general modeling enhancements identified since issuance of the previous IP2 PSA model of record. This revision of the PSA model includes resolution of all Level A & B findings (F&Os) from the Regulatory Guide 1.200 peer review, as well as incorporation of significant self-identified Model Change Requests (MCRs). Changes to 2nd Quarter 2017 Demands and Run Hours as described in CR-IP2-2017-03196. No effect on color of performance indicator.

2Q/17: A periodic update of the Unit 2 Probabilistic Safety Assessment (PSA) was performed per the requirements of Entergy fleet procedure EN-DC-151 (PSA Maintenance and Update), which requires a periodic model update be performed nominally once every four years, up to a maximum of six years. This update includes plant design and procedure changes and general modeling enhancements identified since issuance of the previous IP2 PSA model of record. This revision of the PSA model includes resolution of all Level A & B findings (F&Os) from the Regulatory Guide 1.200 peer review, as well as incorporation of significant self-identified Model Change Requests (MCRs). Changes to 2nd Quarter 2017 Demands and Run Hours as described in CR-IP2-2017-03196. No effect on color of performance indicator.

performance indicator.

2Q/17: A periodic update of the Unit 2 Probabilistic Safety Assessment (PSA) was performed per the requirements of Entergy fleet procedure EN-DC-151 (PSA Maintenance and Update), which requires a periodic model update be performed nominally once every four years, up to a maximum of six years. This update includes plant design and procedure changes and general modeling enhancements identified since issuance of the previous IP2 PSA model of record. This revision of the PSA model includes resolution of all Level A & B findings (F&Os) from the Regulatory Guide 1.200 peer review, as well as incorporation of significant self-identified Model Change Requests (MCRs).

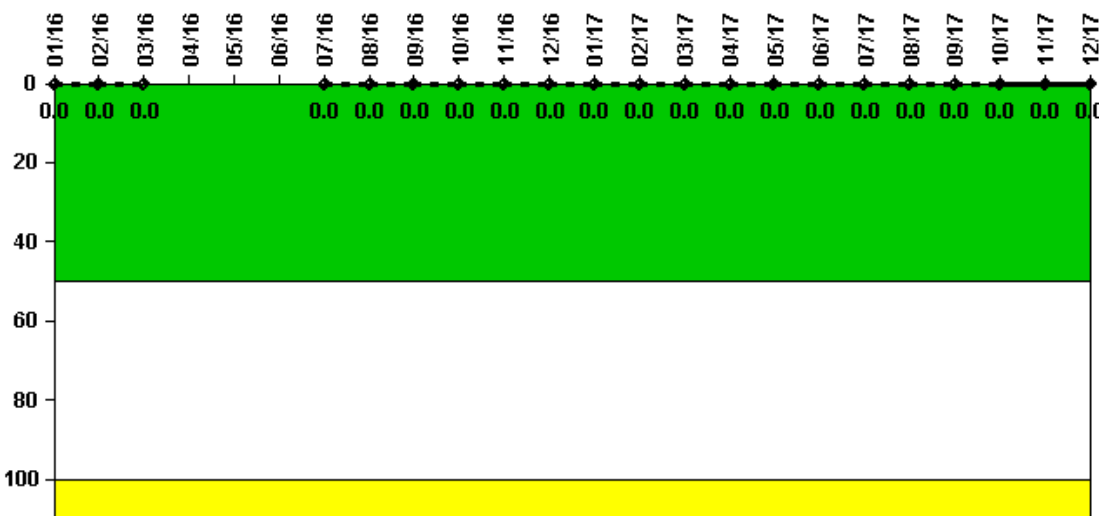
1Q/17: Corrected 822A/B demand/failure for March (CR-IP2-2017-03196).

3Q/16: Corrected 22CCP unavailability hours for August; 21CCP unavailability hours and 22 and 23CCP demand/run times for September (CR-IP2-2017-03196).

2Q/16: Corrected 21CCW HX unavailability hours for June (CR-IP2-2017-03196).

1Q/16: Corrected 23CCP run time for March (CR-IP2-2017-03196).

Reactor Coolant System Activity



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	0.000271	0.000245	0.000150	N/A	N/A	N/A	0.000134	0.000131	0.000150	0.000126	0.000145	0.000139
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	0	0	0	N/A	N/A	N/A	0	0	0	0	0	0

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	0.000150	0.000150	0.000168	0.000144	0.000146	0.000186	0.000168	0.000184	0.000170	0.000201	0.000183	0.000167
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

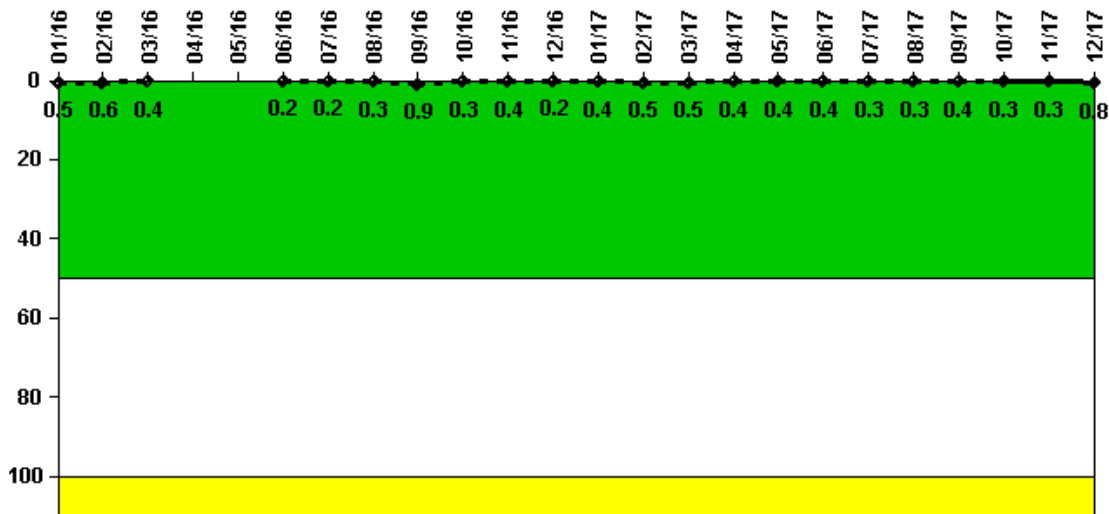
Indicator value 0 0 0 0 0 0 0 0 0 0 0

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Licensee Comments:

6/16: Plant started refueling outage 3/7/16. No RCS coolant activity calculated.

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	1/16	2/16	3/16	4/16	5/16	6/16	7/16	8/16	9/16	10/16	11/16	12/16
Maximum leakage	0.050	0.060	0.040	N/A	N/A	0.020	0.024	0.030	0.090	0.030	0.040	0.020
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0

Indicator value	0.5	0.6	0.4	N/A	N/A	0.2	0.2	0.3	0.9	0.3	0.4	0.2
Reactor Coolant System Leakage	1/17	2/17	3/17	4/17	5/17	6/17	7/17	8/17	9/17	10/17	11/17	12/17
Maximum leakage	0.040	0.050	0.050	0.040	0.040	0.040	0.030	0.030	0.040	0.030	0.030	0.080
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0

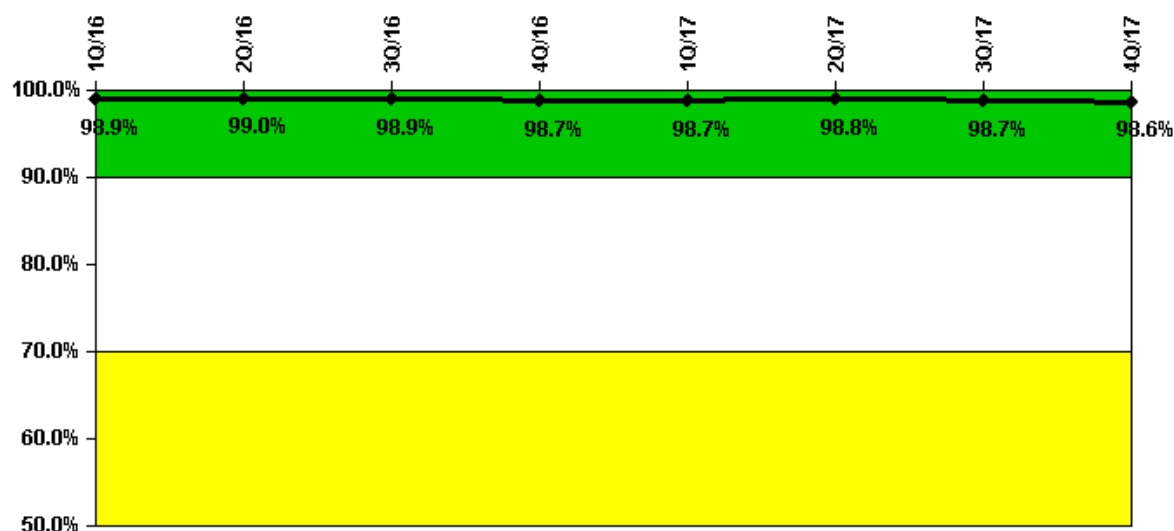
Indicator value 0.4 0.5 0.5 0.4 0.4 0.4 0.3 0.3 0.4 0.3 0.3 0.8

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Licensee Comments:

6/16: Plant started refueling outage which was extended due to degraded RV baffle-former bolts. Unit startup was 6/16/16. No RCS Leal Rate was determined during outage due to plant in outage.

Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

Notes

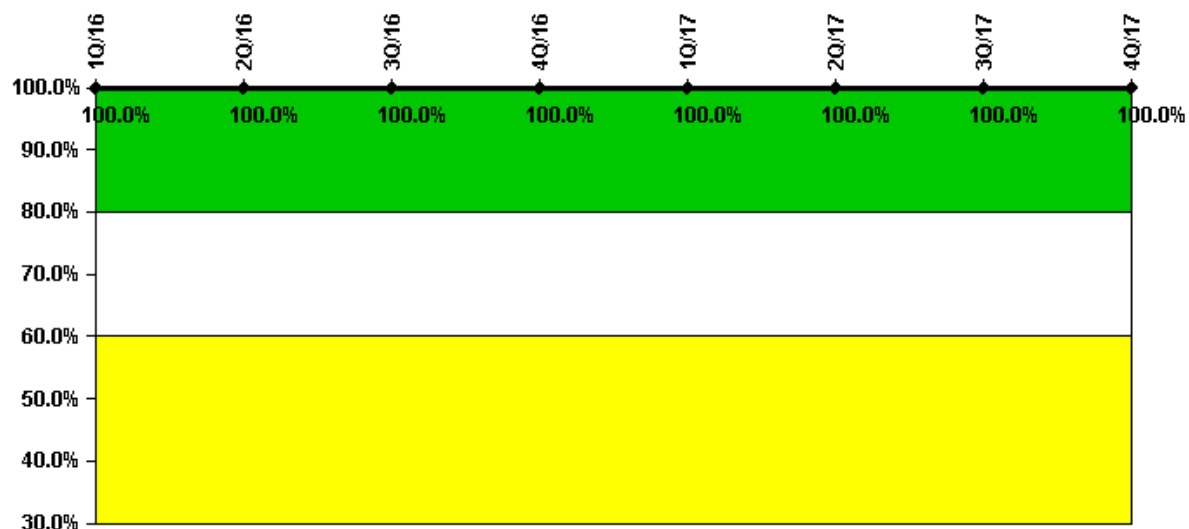
Drill/Exercise Performance	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
Successful opportunities	26.0	62.0	103.0	93.0	23.0	18.0	98.0	125.0
Total opportunities	26.0	63.0	105.0	94.0	24.0	18.0	99.0	127.0

Indicator value **98.9% 99.0% 98.9% 98.7% 98.7% 98.8% 98.7% 98.6%**

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Licensee Comments: none

ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

Notes

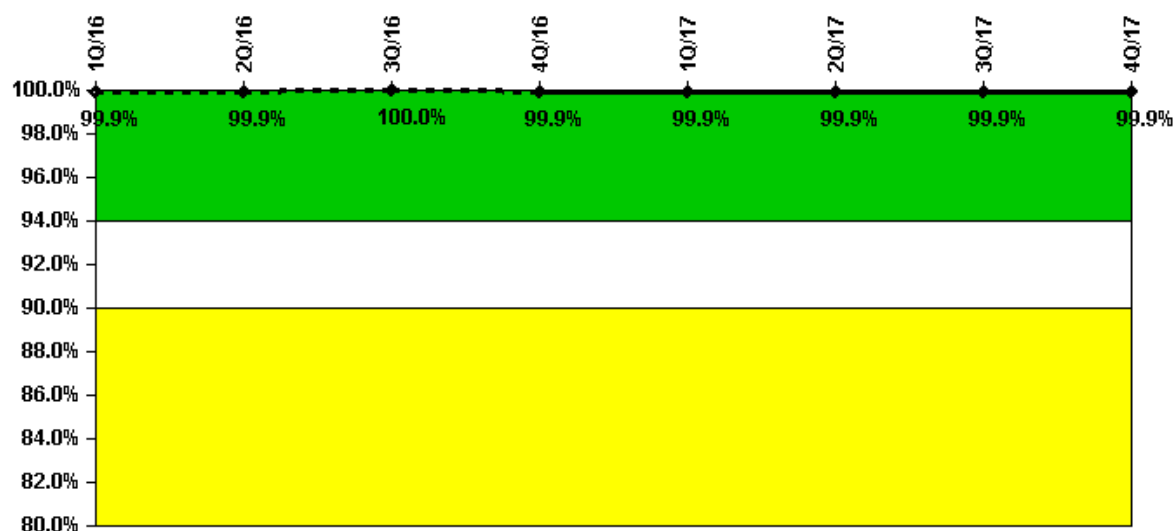
ERO Drill Participation	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
Participating Key personnel	103.0	101.0	100.0	104.0	108.0	105.0	103.0	99.0
Total Key personnel	103.0	101.0	100.0	104.0	108.0	105.0	103.0	99.0

Indicator value **100.0% 100.0% 100.0% 100.0% 100.0% 100.0% 100.0% 100.0%**

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Licensee Comments: none

Alert & Notification System



Thresholds: White < 94.0% Yellow < 90.0%

Notes

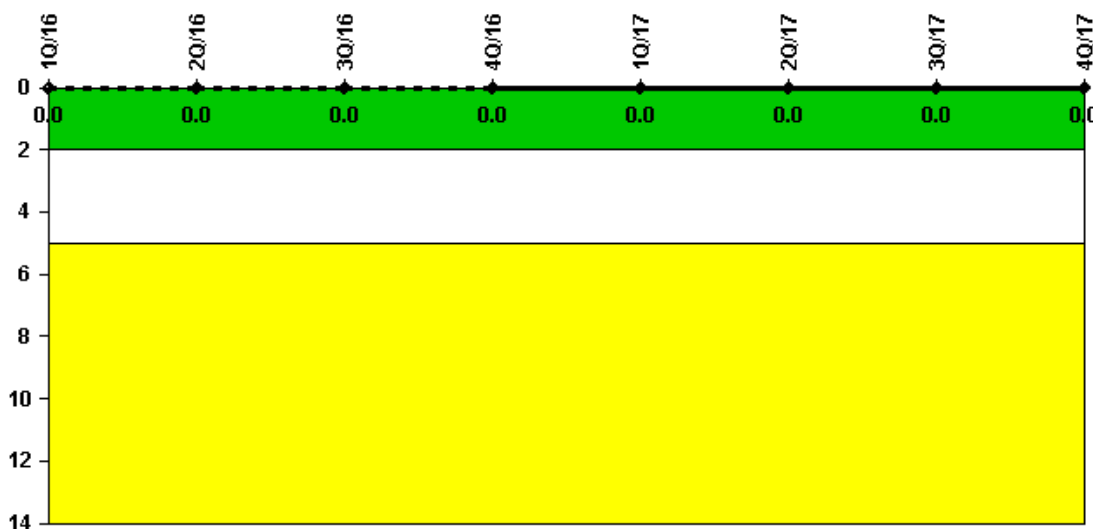
Alert & Notification System	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
Successful siren-tests	1188	1050	1081	1201	1203	1203	1203	1203
Total sirens-tests	1188	1050	1081	1204	1204	1204	1204	1204

Indicator value **99.9% 99.9% 100.0% 99.9% 99.9% 99.9% 99.9% 99.9%**

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Licensee Comments: none

Occupational Exposure Control Effectiveness



Thresholds: White > 2.0 Yellow > 5.0

Notes

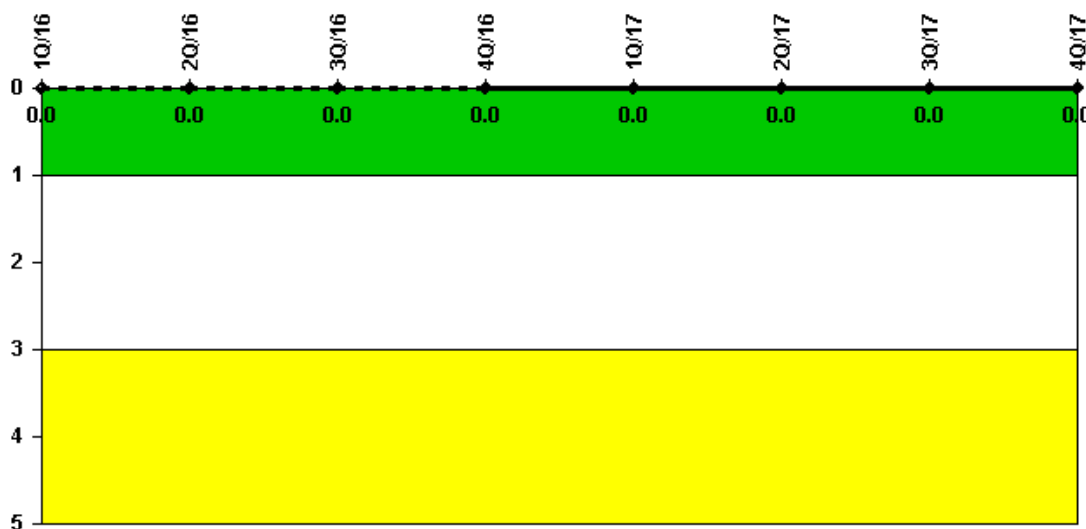
Occupational Exposure Control Effectiveness 1Q/16 2Q/16 3Q/16 4Q/16 1Q/17 2Q/17 3Q/17 4Q/17

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

TOP

Licensee Comments: none

RETS/ODCM Radiological Effluent



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

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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: February 1, 2018

Page Last Reviewed/Updated Monday, November 06, 2017