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Oyster Creek – Quarterly Performance Indicators

4Q/2017 Performance Indicators

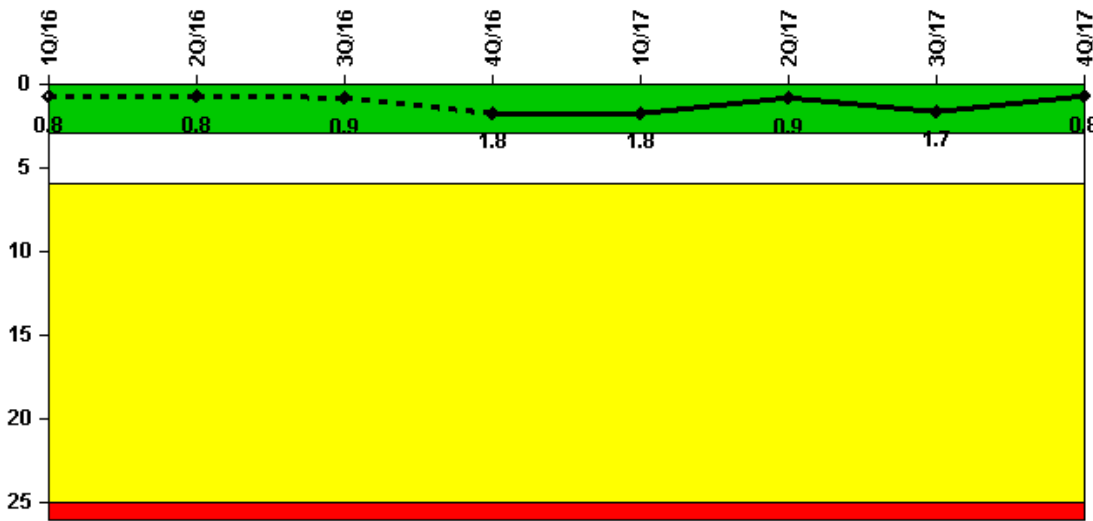
The solid trend line represents the current reporting period.

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 \(MS08\)](#)
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- [Reactor Coolant System Activity \(BI01\)](#)
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- [Drill/Exercise Performance \(EP01\)](#)
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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

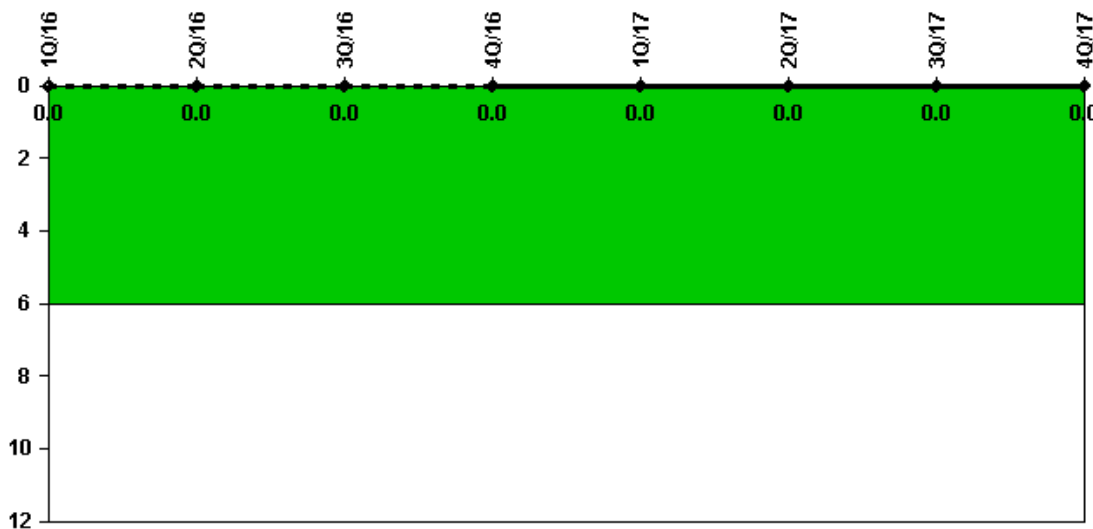
Unplanned Scrams per 7000 Critical Hrs	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
Unplanned scrams	0	1.0	0	1.0	0	0	1.0	0
Critical hours	2183.0	1826.0	1922.9	1755.8	2159.0	2184.0	2166.9	2209.0

Indicator value	0.8	0.8	0.9	1.8	1.8	0.9	1.7	0.8
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Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



Thresholds: White > 6.0

Notes

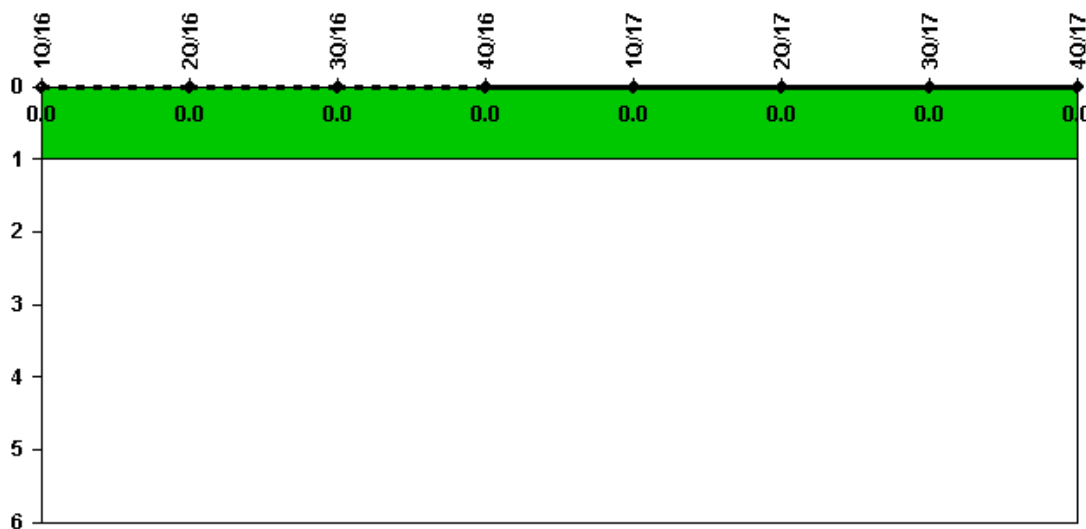
Unplanned Power Changes per 7000 Critical Hrs	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2183.0	1826.0	1922.9	1755.8	2159.0	2184.0	2166.9	2209.0

Indicator value 0 0 0 0 0 0 0 0

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Licensee Comments: none

Unplanned Scrams with Complications



Thresholds: White > 1.0

Notes

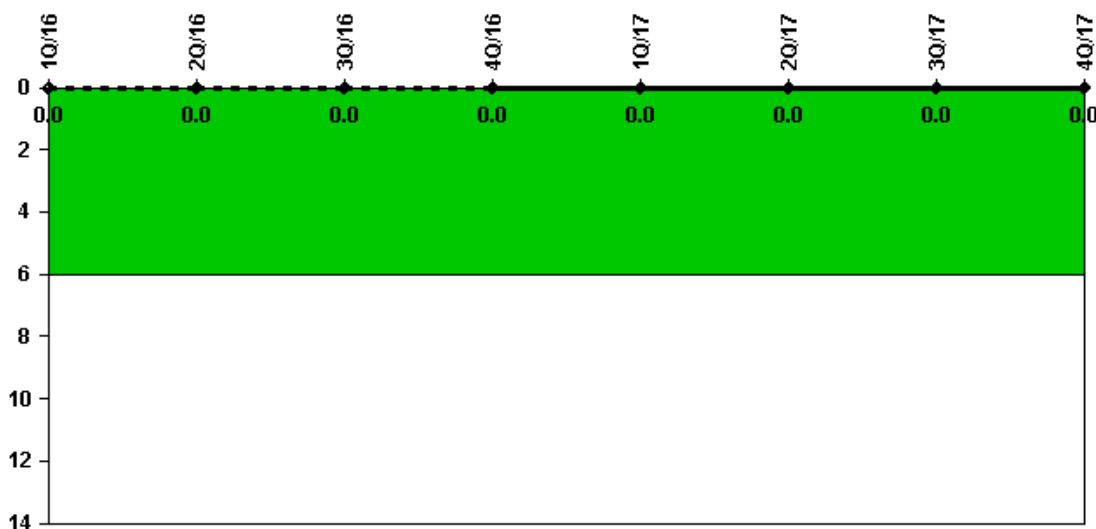
Unplanned Scrams with Complications	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
Scrams with complications	0	0	0	0	0	0	0	0

Indicator value 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 (BWR)



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

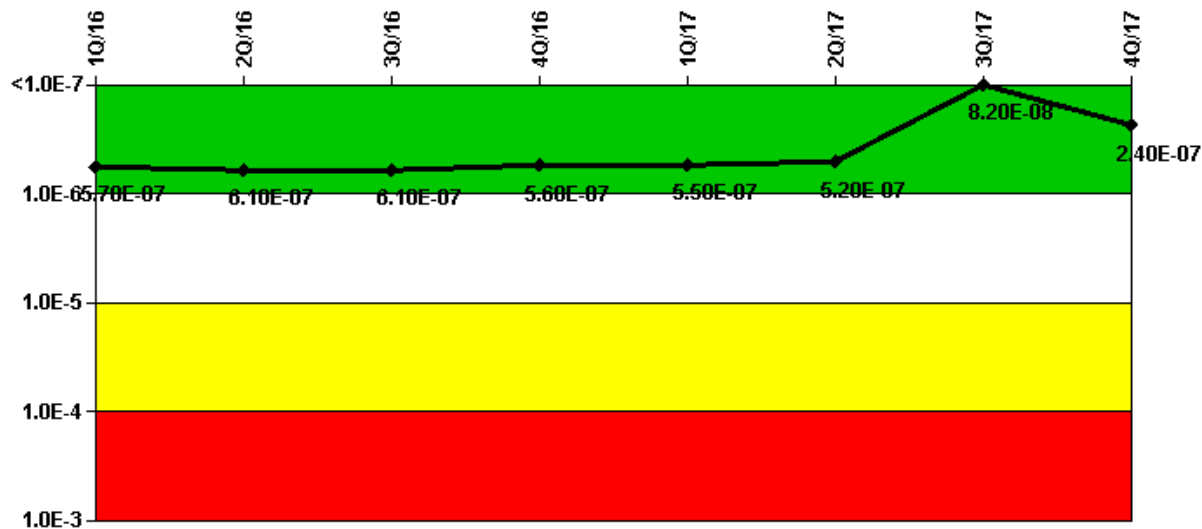
Safety System Functional Failures 0 0 0 0 0 0 0 0

Indicator value 0 0 0 0 0 0 0 0

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Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System



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

Notes

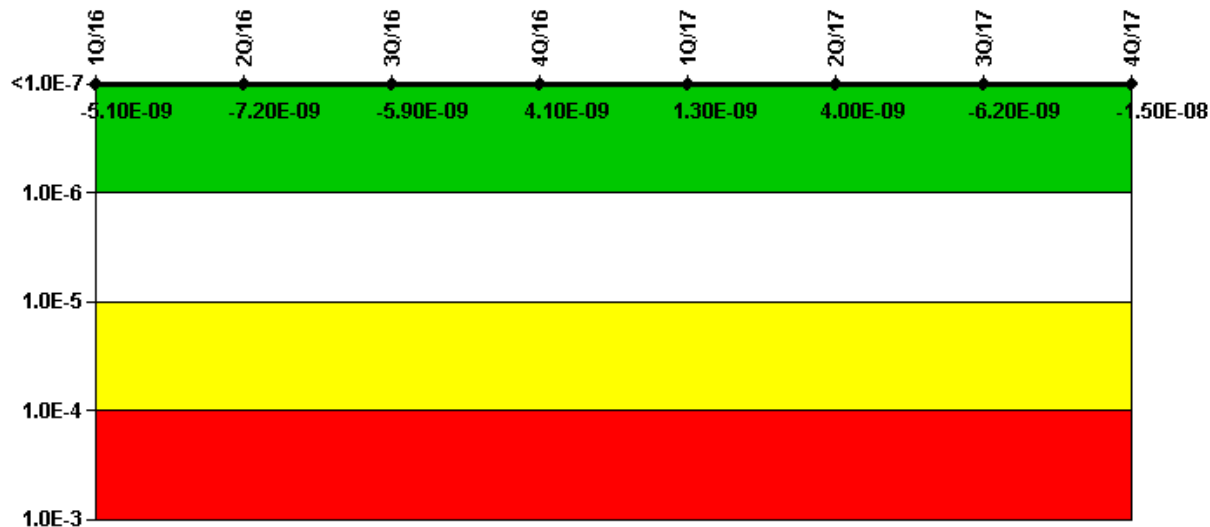
Mitigating Systems Performance Index, Emergency AC Power System

	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
UAI (ΔCDF)	1.46E-07	1.84E-07	1.84E-07	1.29E-07	1.28E-07	1.02E-07	6.35E-08	8.06E-08
URI (ΔCDF)	4.24E-07	4.24E-07	4.25E-07	4.28E-07	4.19E-07	4.18E-07	1.85E-08	1.61E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	5.70E-07	6.10E-07	6.10E-07	5.60E-07	5.50E-07	5.20E-07	8.20E-08	2.40E-07

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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

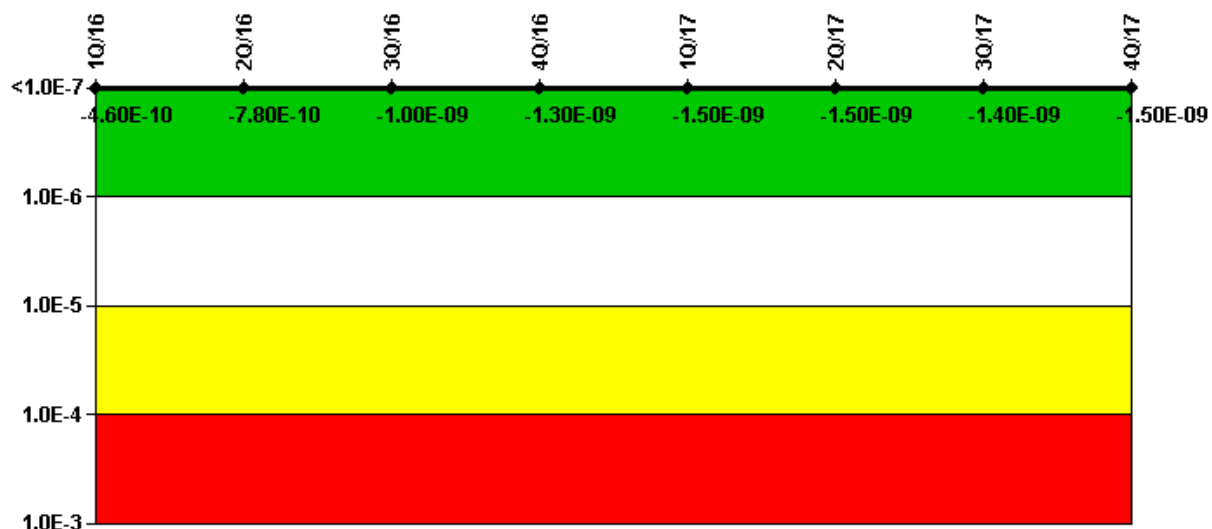
Mitigating Systems Performance Index, High Pressure Injection System

	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
UAI (ΔCDF)	-1.24E-08	-1.45E-08	-1.32E-08	-1.21E-08	-1.49E-08	-1.22E-08	-1.31E-08	-2.17E-08
URI (ΔCDF)	7.30E-09	7.30E-09	7.30E-09	1.62E-08	1.62E-08	1.62E-08	6.94E-09	6.94E-09
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-5.10E-09	-7.20E-09	-5.90E-09	4.10E-09	1.30E-09	4.00E-09	-6.20E-09	-1.50E-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

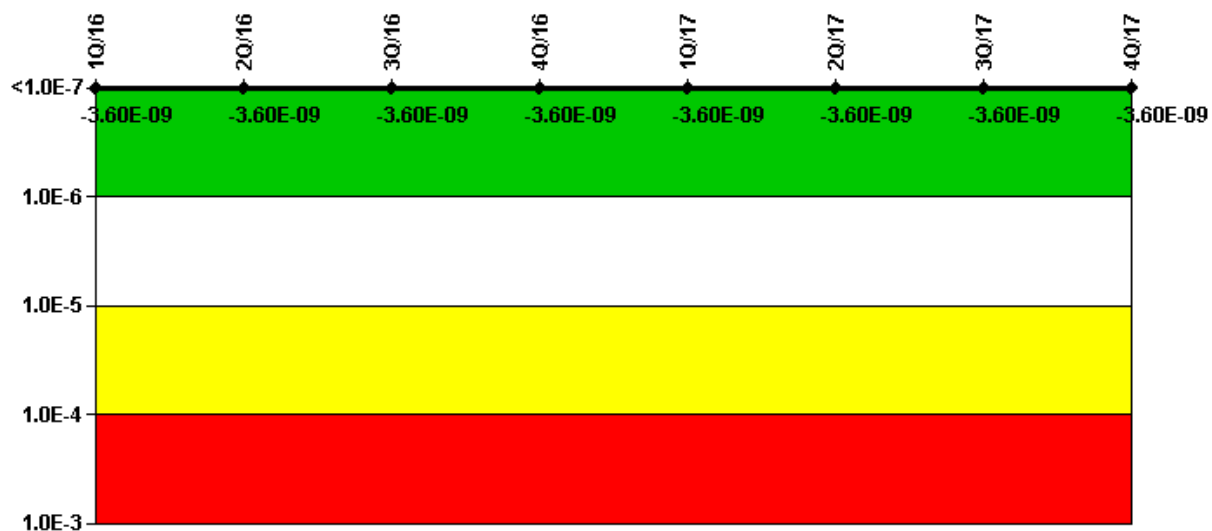
Mitigating Systems Performance Index, Heat Removal System

	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
UAI (ΔCDF)	-3.98E-10	-7.16E-10	-9.65E-10	-1.24E-09	-1.45E-09	-1.46E-09	-1.32E-09	-1.40E-09
URI (ΔCDF)	-5.71E-11	-5.93E-11	-5.71E-11	-6.16E-11	-6.16E-11	-5.93E-11	-6.38E-11	-6.38E-11
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-4.60E-10	-7.80E-10	-1.00E-09	-1.30E-09	-1.50E-09	-1.50E-09	-1.40E-09	-1.50E-09

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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

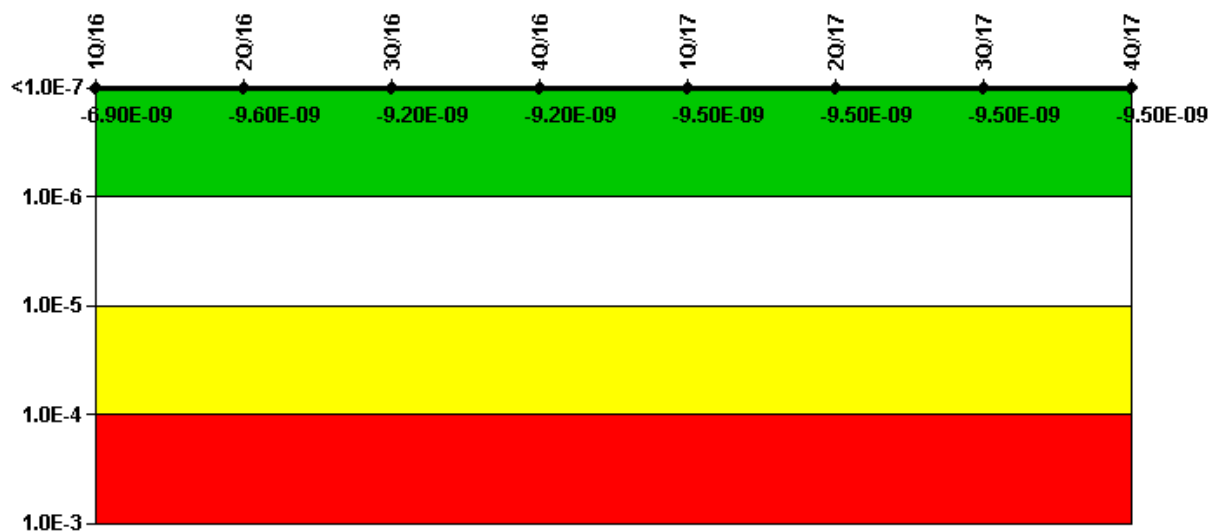
Mitigating Systems Performance Index, Residual Heat Removal System

	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
UAI (ΔCDF)	-3.54E-09	-3.54E-09	-3.54E-09	-3.54E-09	-3.54E-09	-3.54E-09	-3.54E-09	-3.54E-09
URI (ΔCDF)	-1.08E-10	-1.08E-10	-1.03E-10	-1.02E-10	-1.02E-10	-1.01E-10	-1.01E-10	-1.01E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-3.60E-09	-3.60E-09	-3.60E-09	-3.60E-09	-3.60E-09	-3.60E-09	-3.60E-09	-3.60E-09

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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

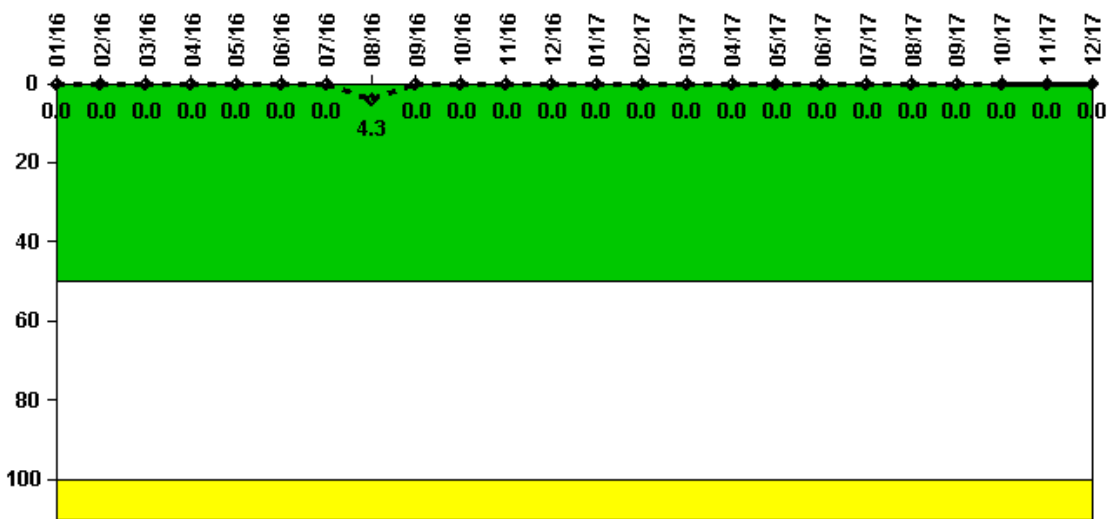
Mitigating Systems Performance Index, Cooling Water Systems

	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
UAI (Δ CDF)	-7.34E-09	-9.73E-09	-9.73E-09	-9.73E-09	-9.73E-09	-9.73E-09	-9.73E-09	-9.72E-09
URI (Δ CDF)	3.98E-10	9.90E-11	5.25E-10	5.28E-10	2.15E-10	2.15E-10	2.16E-10	2.17E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-6.90E-09	-9.60E-09	-9.20E-09	-9.20E-09	-9.50E-09	-9.50E-09	-9.50E-09	-9.50E-09

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Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

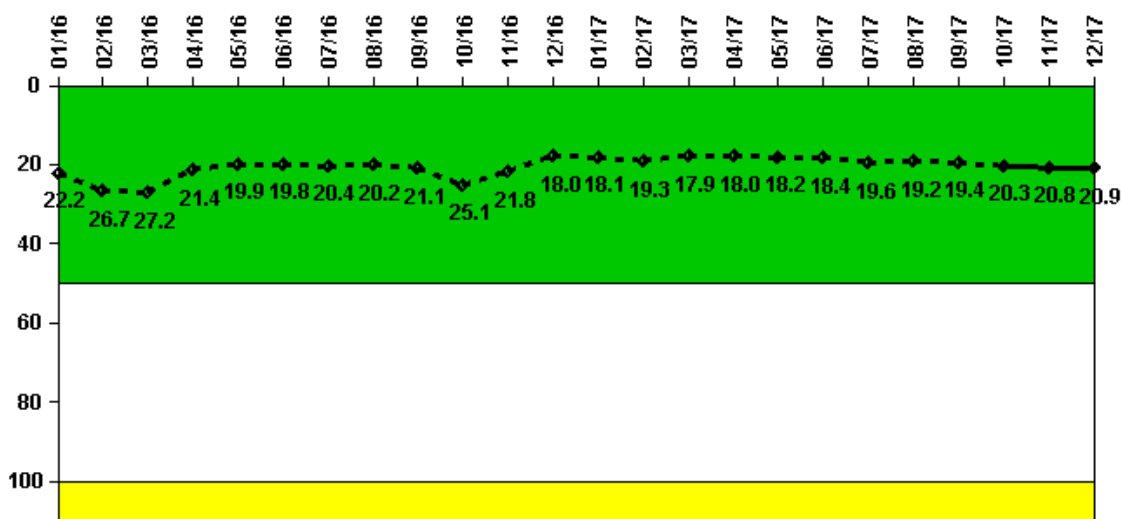
Notes

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	0.000007	0.000010	0.000020	0.000008	0.000022	0.000011	0.000027	0.008630	0.000041	0.000062	0.000021	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	0	4.3	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	0.000009	0.000006	0.000007	0.000013	0.000007	0.000008	0.000008	0.000009	0.000010	0.000009	0.000008	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

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Licensee Comments: none

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	5.550	6.680	6.800	5.350	4.970	4.960	5.100	5.050	5.280	6.270	5.450	4.510
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

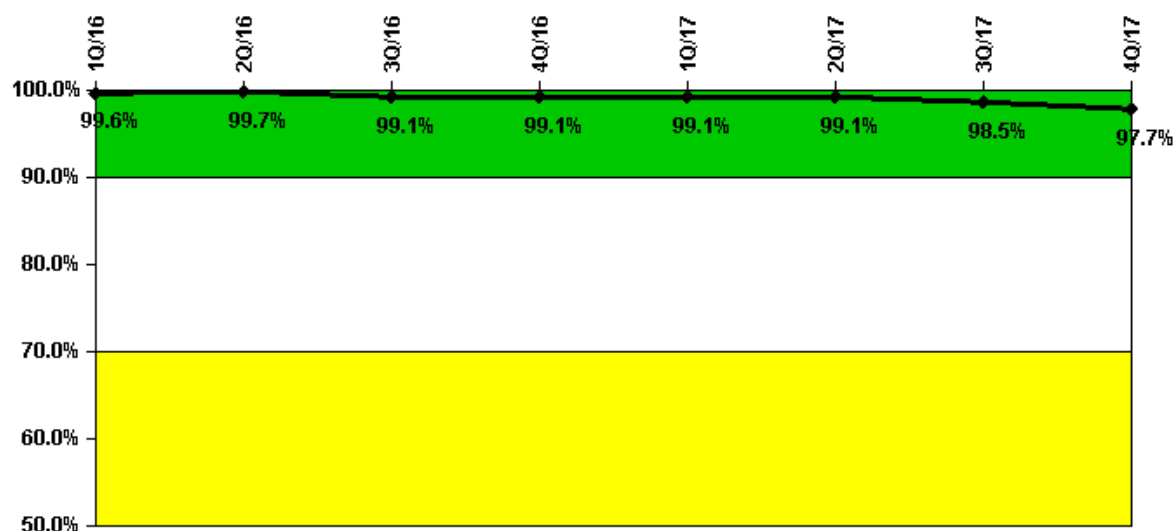
Indicator value	22.2	26.7	27.2	21.4	19.9	19.8	20.4	20.2	21.1	25.1	21.8	18.0
Reactor Coolant System Leakage	1/17	2/17	3/17	4/17	5/17	6/17	7/17	8/17	9/17	10/17	11/17	12/17
Maximum leakage	4.530	4.830	4.470	4.490	4.540	4.590	4.900	4.790	4.840	5.080	5.210	5.230
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0

Indicator value	18.1	19.3	17.9	18.0	18.2	18.4	19.6	19.2	19.4	20.3	20.8	20.9
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Licensee Comments: none

Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

Notes

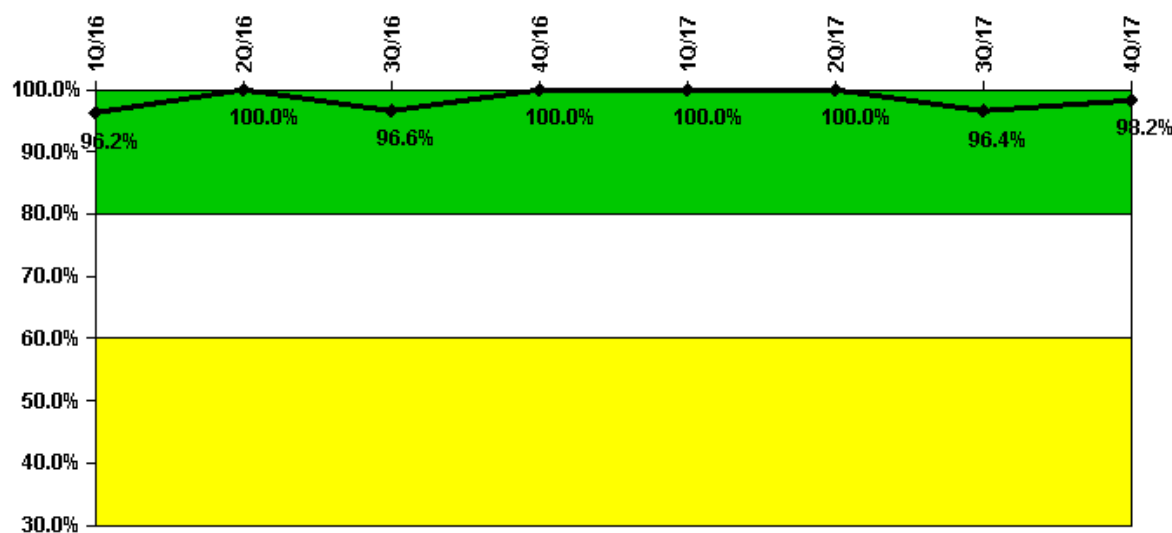
Drill/Exercise Performance	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
Successful opportunities	53.0	108.0	12.0	17.0	55.0	64.0	14.0	21.0
Total opportunities	54.0	108.0	14.0	17.0	55.0	64.0	16.0	24.0

Indicator value **99.6% 99.7% 99.1% 99.1% 99.1% 99.1% 98.5% 97.7%**

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Licensee Comments: none

ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

Notes

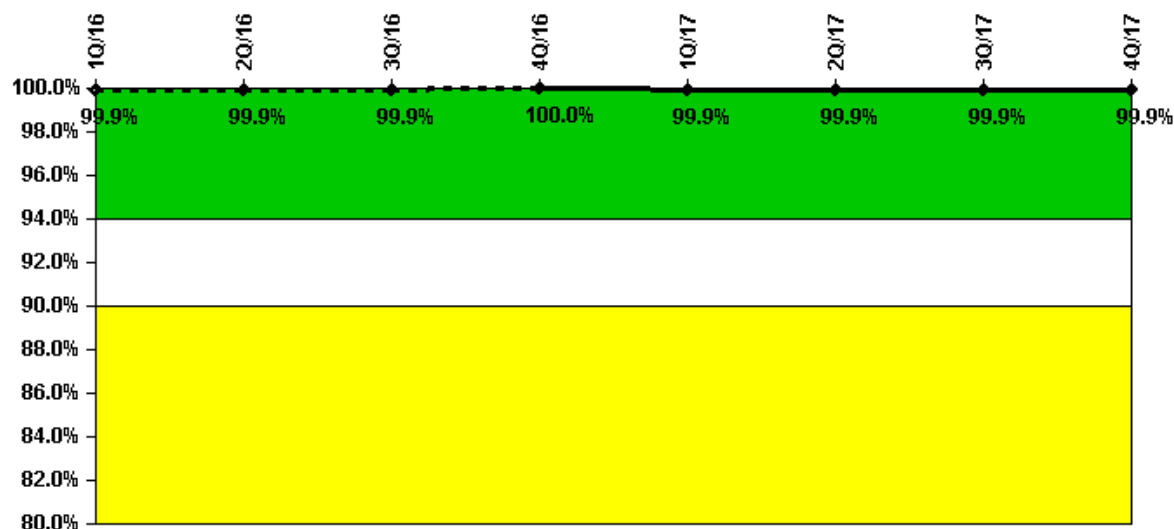
ERO Drill Participation	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
Participating Key personnel	51.0	56.0	56.0	59.0	59.0	59.0	53.0	56.0
Total Key personnel	53.0	56.0	58.0	59.0	59.0	59.0	55.0	57.0

Indicator value 96.2% 100.0% 96.6% 100.0% 100.0% 100.0% 96.4% 98.2%

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Licensee Comments: none

Alert & Notification System



Thresholds: White < 94.0% Yellow < 90.0%

Notes

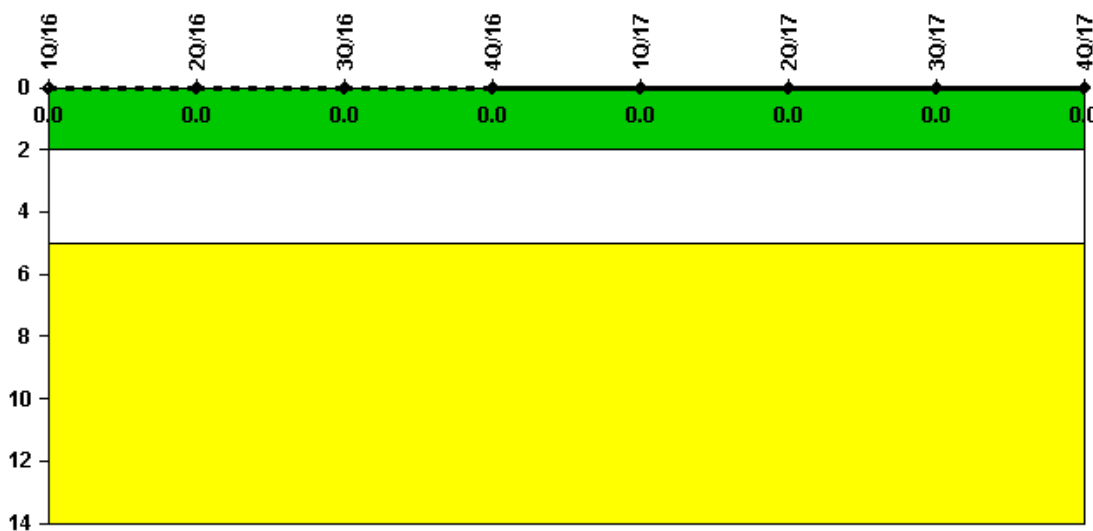
Alert & Notification System	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17	4Q/17
Successful siren-tests	546	545	546	546	545	544	546	546
Total sirens-tests	546	546	546	546	546	546	546	546

Indicator value 99.9% 99.9% 99.9% 100.0% 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

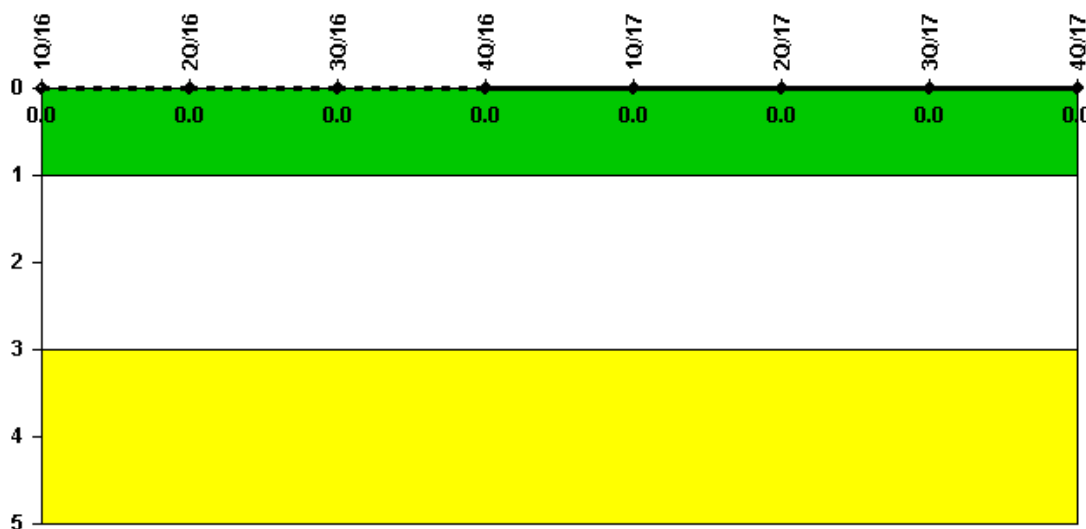
Occupational Exposure Control Effectiveness 1Q/16 2Q/16 3Q/16 4Q/16 1Q/17 2Q/17 3Q/17 4Q/17

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

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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