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## D.C. Cook 1 – Quarterly Performance Indicators

### 3Q/2017 Performance Indicators

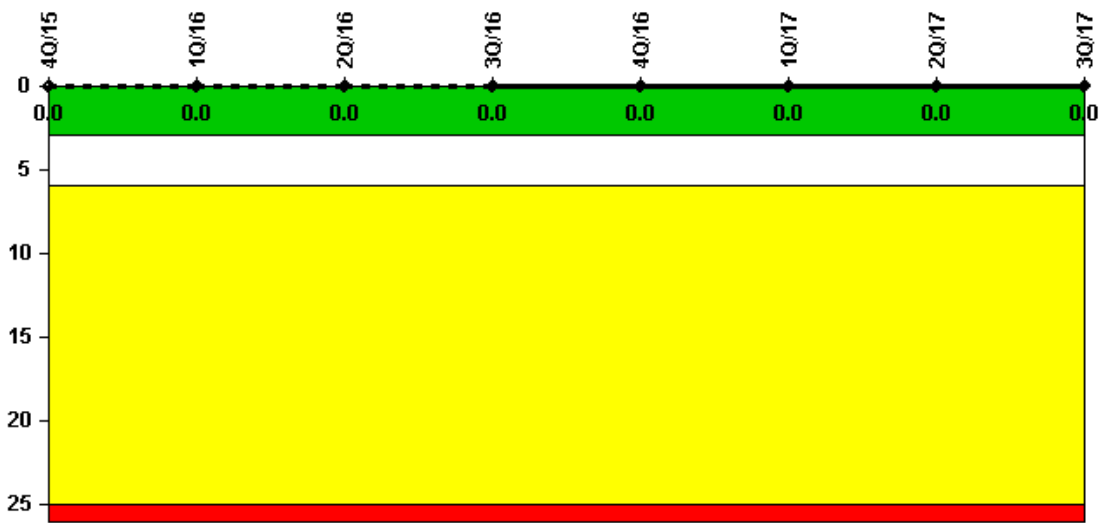
The solid trend line represents the current reporting period.

Licensee's General Comments: none

On this page:

- Unplanned Scrams (IE01)
- Unplanned Power Changes per 7000 Critical Hours (IE03)
- Unplanned Scrams with Complications (IE04)
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- Emergency AC Power Systems (MS06)
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- Heat Removal Systems (MS08)
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- Reactor Coolant System Activity (BI01)
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- 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**

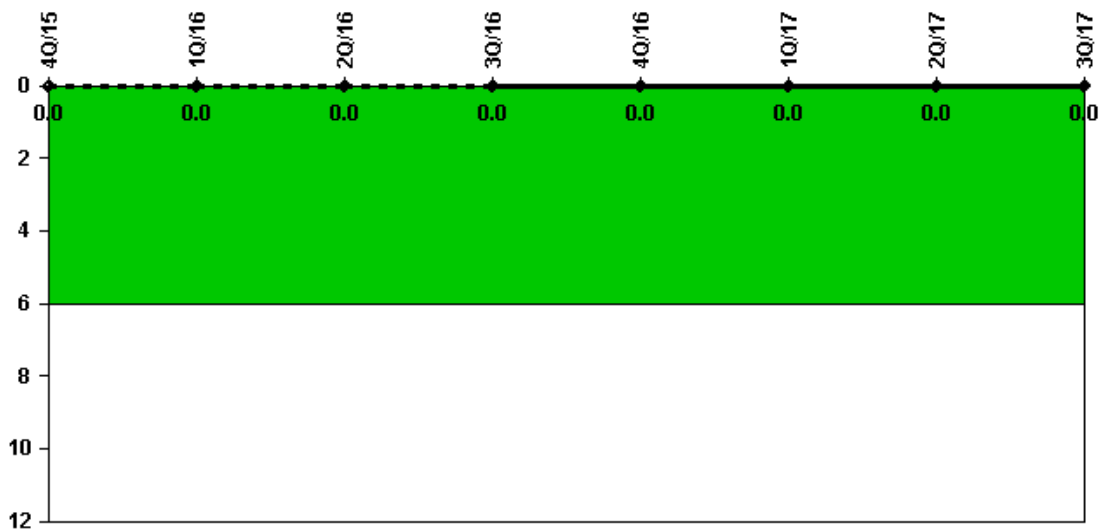
Unplanned Scrams per 7000 Critical Hrs	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17
Unplanned scrams	0	0	0	0	0	0	0	0
Critical hours	2209.0	1967.0	1552.1	2208.0	2209.0	2159.0	2184.0	1776.0

Indicator value	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17
	0	0	0	0	0	0	0	0

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Licensee Comments: none

### Unplanned Power Changes per 7000 Critical Hrs



Thresholds: White > 6.0

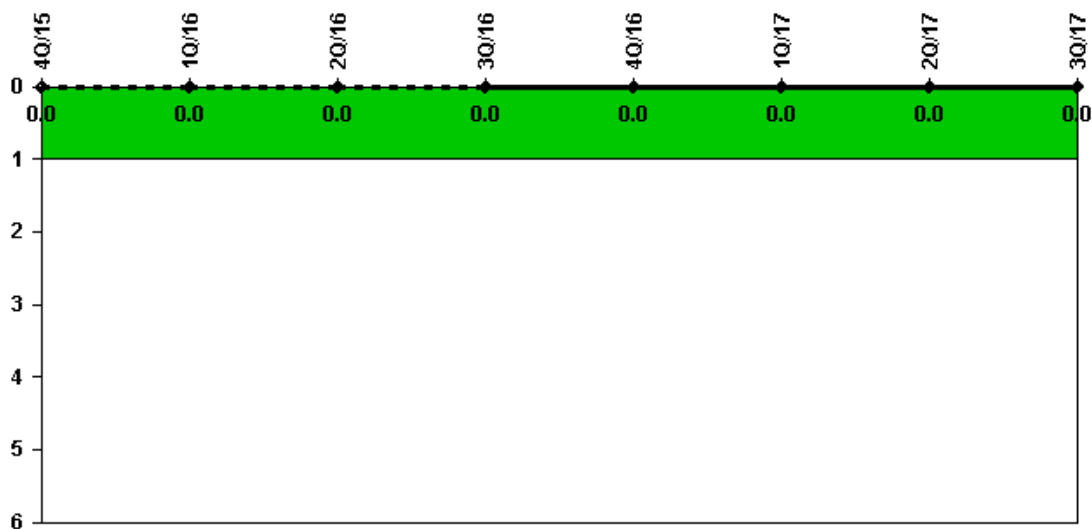
**Notes**

<b>Unplanned Power Changes per 7000 Critical Hrs</b>	<b>4Q/15</b>	<b>1Q/16</b>	<b>2Q/16</b>	<b>3Q/16</b>	<b>4Q/16</b>	<b>1Q/17</b>	<b>2Q/17</b>	<b>3Q/17</b>
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2209.0	1967.0	1552.1	2208.0	2209.0	2159.0	2184.0	1776.0
<b>Indicator value</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

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Licensee Comments: none

**Unplanned Scrams with Complications**



Thresholds: White > 1.0

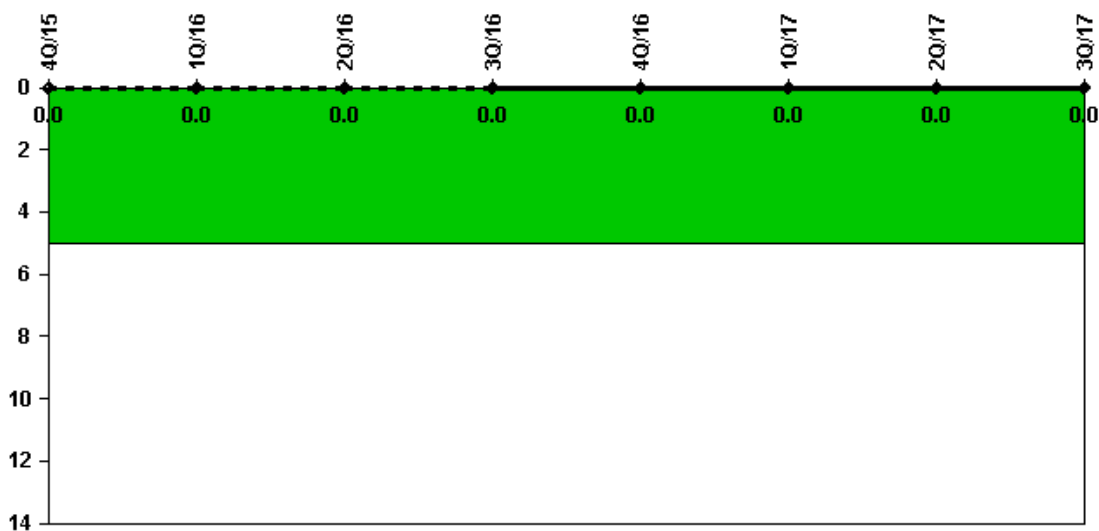
**Notes**

<b>Unplanned Scrams with Complications</b>	<b>4Q/15</b>	<b>1Q/16</b>	<b>2Q/16</b>	<b>3Q/16</b>	<b>4Q/16</b>	<b>1Q/17</b>	<b>2Q/17</b>	<b>3Q/17</b>
Scrams with complications	0	0	0	0	0	0	0	0
<b>Indicator value</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>

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Licensee Comments: none

### Safety System Functional Failures (PWR)



Thresholds: White > 5.0

#### Notes

Safety System Functional Failures (PWR) 4Q/15 1Q/16 2Q/16 3Q/16 4Q/16 1Q/17 2Q/17 3Q/17

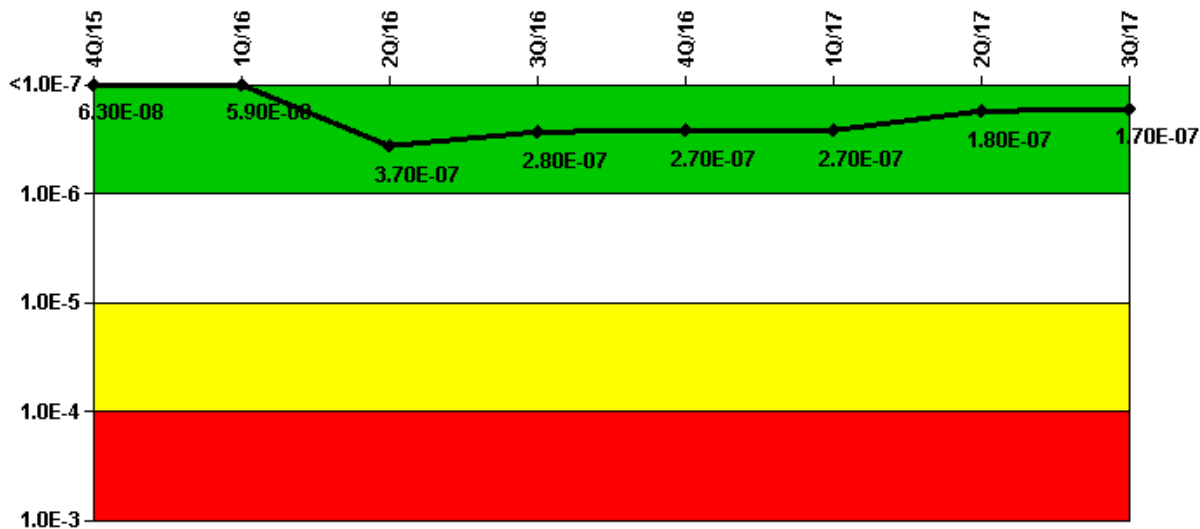
Safety System Functional Failures 0 0 0 0 0 0 0 0

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	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17
UAI (ΔCDF)	9.65E-08	9.28E-08	1.62E-07	7.43E-08	7.39E-08	7.40E-08	7.41E-08	7.02E-08
URI (ΔCDF)	-3.34E-08	-3.37E-08	2.03E-07	2.01E-07	2.00E-07	2.00E-07	1.05E-07	1.04E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
<b>Indicator value</b>	<b>6.30E-08</b>	<b>5.90E-08</b>	<b>3.70E-07</b>	<b>2.80E-07</b>	<b>2.70E-07</b>	<b>2.70E-07</b>	<b>1.80E-07</b>	<b>1.70E-07</b>

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Licensee Comments:

3Q/17: Changed PRA Parameter(s). The D.C. Cook PRA Model revision was approved on 06/30/17 with a corresponding MSPI Basis Document revision approved on 08/31/17. Revision 13 of the D.C. Cook MSPI Basis Document incorporates the update of the PRA. The PRA model revision was an update to the model which added flooding events that were initially screened out of the PRA. Because MSPI expressly excludes flooding from the analysis, these changes had no impact on PRA MSPI data. In addition to the flooding changes, this model of record incorporates the addition of failure modes to interfacing systems LOCA modeling in order to resolve F&Os from the 2015 peer review. Containment event trees for AFW were also modified in order to increase quantification efficiency.

4Q/16: Engineering testing is being conducted on the fuel injection pump delivery valve holders to evaluate a design and manufacturing issue which will determine the impact on the run time failures being reported. Run time failures are being reported conservatively pending the results of this testing.

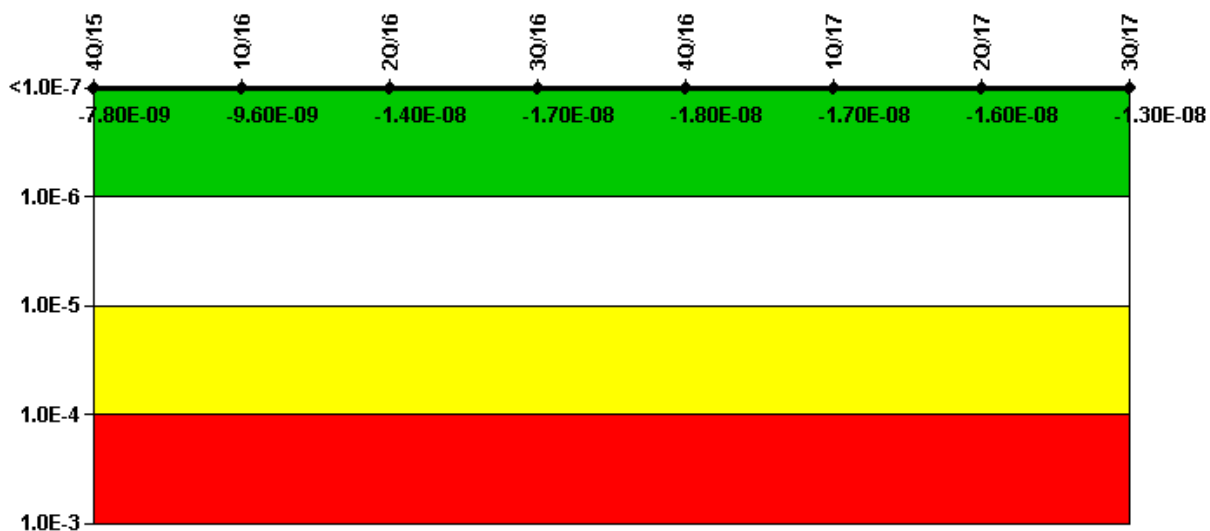
4Q/16: Engineering testing and analysis determined that the previously identified design and manufacturing issue with the fuel injection pump delivery valve holders did not result in a run time failure for any of the emergency diesel generators.

3Q/16: Changed PRA Parameter(s). The D.C. Cook PRA Model revision was approved on 06/30/16 with a corresponding MSPI Basis Document revision approved on 09/09/16. Revision 12 of the D.C. Cook MSPI Basis Document incorporates the update of the PRA. The PRA model revision was an update to the model which included crediting of offsite power recovery in accident scenarios that do not begin with a Loss of Offsite Power. As a result of the PRA model change, the CDF and Fussel-Vesely numbers for all monitored trains and components were revised.

2Q/16: Changed PRA Parameter(s). The D.C. Cook PRA Model Revision 2 was approved on 03/31/16 with a corresponding MSPI Basis Document Revision 10 approved on 06/02/16. New software was used to form the PRA model and to calculate risk importance to provide increased precision on the calculated metrics. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised. Additionally, this revision includes changes to the model of record made to resolve facts and observations from the 2015 Peer Review of the D.C Cook PRA model of record. The MSPI Basis Document was also updated to show compliance with the changes to NEI 99-02 Appendix G from the approval of FAQ 14-01. No new components were scoped into MSPI or excluded from monitoring due to the changes incorporated in this revision. MSPI Basis Document Revision 11 was approved on 06/29/16. This revision was for correction of typographical errors and had no numerical or programmatic impact.

4Q/15: An FAQ has been submitted due to an unresolved issue from the NRC 3rd Quarter Baseline Inspection. The unresolved issue is related to a PRA Modeling error discovered and entered into the Station Corrective Action Program and corrected in the 3rd Quarter 2015 submittal following approval of the PRA Model revision in the 2nd Quarter 2015. The NRC Resident Inspectors questioned why previously submitted MSPI data was not corrected when the error was discovered. The Station's understanding of NEI 99-02 guidance for correcting previously submitted data is that changes based on PRA Model revisions, including error correction, are implemented in the quarter following approval of the revised PRA Model and previously submitted data is not updated.

### 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)	1.45E-09	-3.43E-10	1.10E-09	-2.55E-09	-3.47E-09	-1.87E-09	-1.51E-09	1.53E-09
URI (ΔCDF)	-9.24E-09	-9.24E-09	-1.56E-08	-1.49E-08	-1.49E-08	-1.49E-08	-1.49E-08	-1.47E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
<b>Indicator value</b>	<b>-7.80E-09</b>	<b>-9.60E-09</b>	<b>-1.40E-08</b>	<b>-1.70E-08</b>	<b>-1.80E-08</b>	<b>-1.70E-08</b>	<b>-1.60E-08</b>	<b>-1.30E-08</b>

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Licensee Comments:

3Q/17: Changed PRA Parameter(s). The D.C. Cook PRA Model revision was approved on 06/30/17 with a corresponding MSPI Basis Document revision approved on 08/31/17. Revision 13 of the D.C. Cook MSPI Basis Document incorporates the update of the PRA. The PRA model revision was an update to the model which added flooding events that were initially screened out of the PRA. Because MSPI expressly excludes flooding from the analysis, these changes had no impact on PRA MSPI data. In addition to the flooding changes, this model of record incorporates the addition of failure modes to interfacing systems LOCA modeling in order to resolve F&Os from the 2015 peer review. Containment event trees for AFW were also modified in order to increase quantification efficiency.

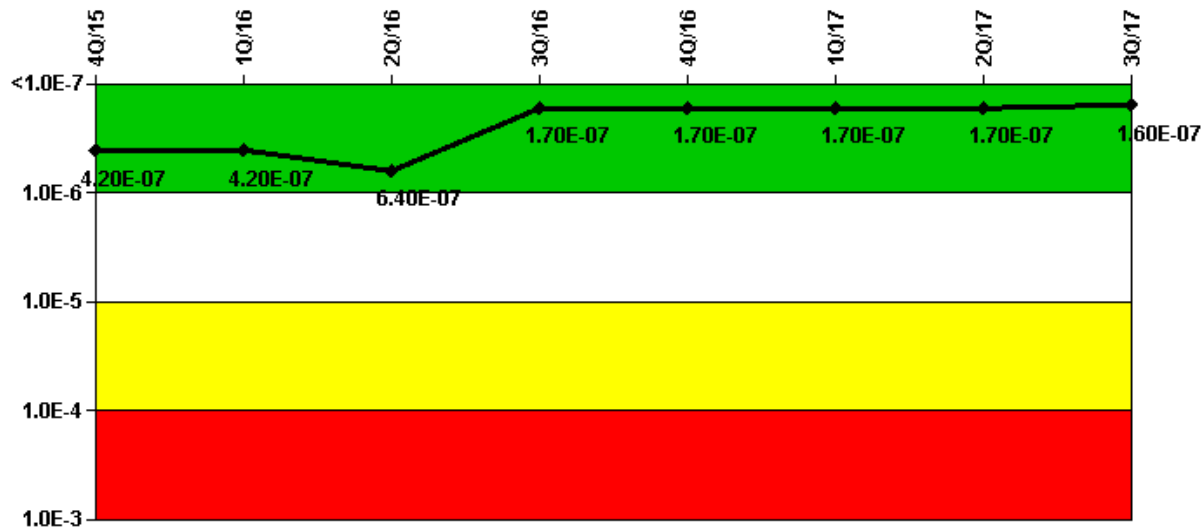
4Q/16: Changed PRA Parameter(s).

3Q/16: Changed PRA Parameter(s). The D.C. Cook PRA Model revision was approved on 06/30/16 with a corresponding MSPI Basis Document revision approved on 09/09/16. Revision 12 of the D.C. Cook MSPI Basis Document incorporates the update of the PRA. The PRA model revision was an update to the model which included crediting of offsite power recovery in accident scenarios that do not begin with a Loss of Offsite Power. As a result of the PRA model change, the CDF and Fussell-Vesely numbers for all monitored trains and components were revised.

2Q/16: Changed PRA Parameter(s). The D.C. Cook PRA Model Revision 2 was approved on 03/31/16 with a corresponding MSPI Basis Document Revision 10 approved on 06/02/16. New software was used to form the PRA model and to calculate risk importance to provide increased precision on the calculated metrics. As a result of the PRA model change, the CDF, Fussell-Vesely and Basic Event Probabilities for all monitored trains and components were revised. Additionally, this revision includes changes to the model of record made to resolve facts and observations from the 2015 Peer Review of the D.C Cook PRA model of record. The MSPI Basis Document was also updated to show compliance with the changes to NEI 99-02 Appendix G from the approval of FAQ 14-01. No new components

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### 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)	-7.23E-09	-7.20E-09	-1.89E-08	-4.79E-09	-4.79E-09	-4.79E-09	-4.79E-09	-4.72E-09
URI (ΔCDF)	4.31E-07	4.31E-07	6.61E-07	1.70E-07	1.70E-07	1.70E-07	1.70E-07	1.68E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
<b>Indicator value</b>	<b>4.20E-07</b>	<b>4.20E-07</b>	<b>6.40E-07</b>	<b>1.70E-07</b>	<b>1.70E-07</b>	<b>1.70E-07</b>	<b>1.70E-07</b>	<b>1.60E-07</b>

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**Licensee Comments:**

3Q/17: Changed PRA Parameter(s). The D.C. Cook PRA Model revision was approved on 06/30/17 with a corresponding MSPI Basis Document revision approved on 08/31/17. Revision 13 of the D.C. Cook MSPI Basis Document incorporates the update of the PRA. The PRA model revision was an update to the model which added flooding events that were initially screened out of the PRA. Because MSPI expressly excludes flooding from the analysis, these changes had no impact on PRA MSPI data. In addition to the flooding changes, this model of record incorporates the addition of failure modes to interfacing systems LOCA modeling in order to resolve F&Os from the 2015 peer review. Containment event trees for AFW were also modified in order to increase quantification efficiency.

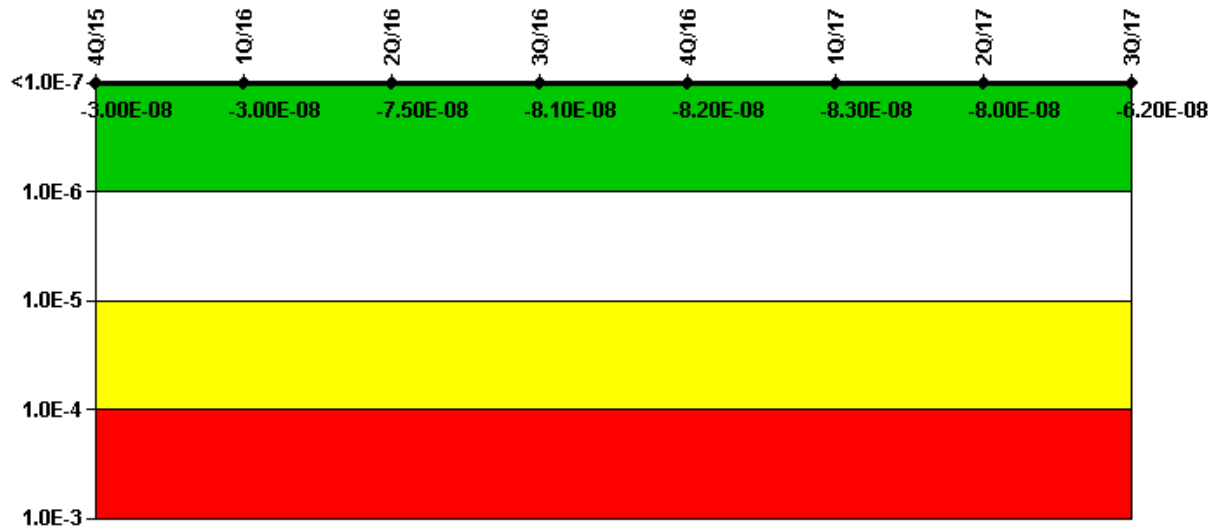
3Q/16: Changed PRA Parameter(s). The D.C. Cook PRA Model revision was approved on 06/30/16 with a corresponding MSPI Basis Document revision approved on 09/09/16. Revision 12 of the D.C. Cook MSPI Basis Document incorporates the update of the PRA. The PRA model revision was an update to the model which included crediting of offsite power recovery in accident scenarios that do not

begin with a Loss of Offsite Power. As a result of the PRA model change, the CDF and Fussel-Vesely numbers for all monitored trains and components were revised.

2Q/16: Changed PRA Parameter(s). The D.C. Cook PRA Model Revision 2 was approved on 03/31/16 with a corresponding MSPI Basis Document Revision 10 approved on 06/02/16. New software was used to form the PRA model and to calculate risk importance to provide increased precision on the calculated metrics. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised. Additionally, this revision includes changes to the model of record made to resolve facts and observations from the 2015 Peer Review of the D.C Cook PRA model of record. The MSPI Basis Document was also updated to show compliance with the changes to NEI 99-02 Appendix G from the approval of FAQ 14-01. No new components were scoped into MSPI or excluded from monitoring due to the changes incorporated in this revision. MSPI Basis Document Revision 11 was approved on 06/29/16. This revision was for correction of typographical errors and had no numerical or programmatic impact.

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### 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)	1.74E-09	2.13E-09	4.82E-09	-1.15E-09	-1.15E-09	-1.15E-09	3.09E-09	2.15E-08
URI (ΔCDF)	-3.19E-08	-3.23E-08	-7.99E-08	-7.99E-08	-8.10E-08	-8.21E-08	-8.32E-08	-8.35E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-3.00E-08	-3.00E-08	-7.50E-08	-8.10E-08	-8.20E-08	-8.30E-08	-8.00E-08	-6.20E-08



Licensee Comments:

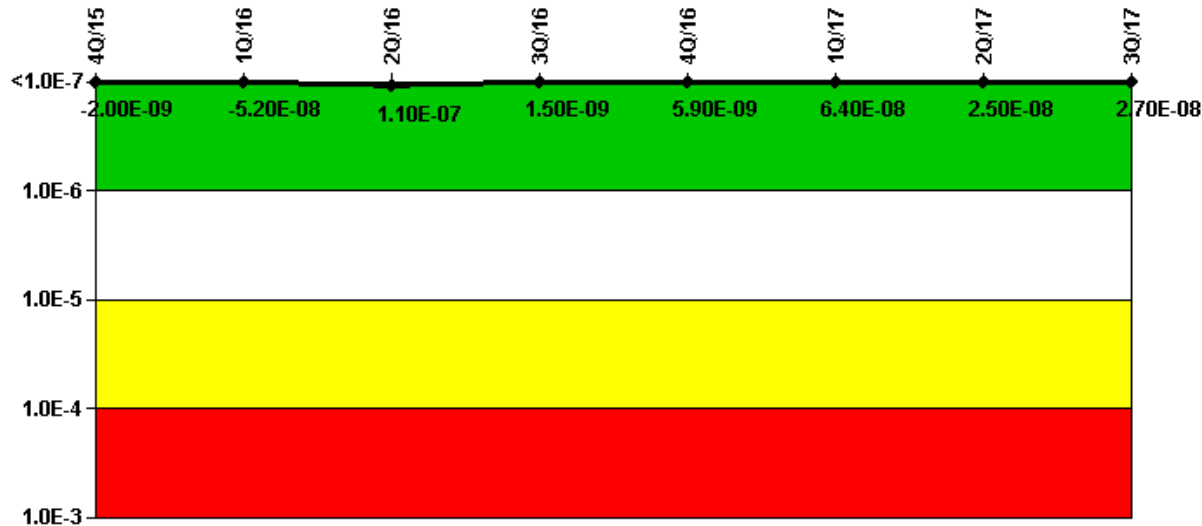
3Q/17: Changed PRA Parameter(s). The D.C. Cook PRA Model revision was approved on 06/30/17 with a corresponding MSPI Basis Document revision approved on 08/31/17. Revision 13 of the D.C. Cook MSPI Basis Document incorporates the update of the PRA. The PRA model revision was an update to the model which added flooding events that were initially screened out of the PRA. Because MSPI expressly excludes flooding from the analysis, these changes had no impact on PRA MSPI data. In addition to the flooding changes, this model of record incorporates the addition of failure modes to interfacing systems LOCA modeling in order to resolve F&Os from the 2015 peer review. Containment event trees for AFW were also modified in order to increase quantification efficiency.

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2Q/16: Changed PRA Parameter(s). The D.C. Cook PRA Model Revision 2 was approved on 03/31/16 with a corresponding MSPI Basis Document Revision 10 approved on 06/02/16. New software was used to form the PRA model and to calculate risk importance to provide increased precision on the calculated metrics. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised. Additionally, this revision includes changes to the model of record made to resolve facts and observations from the 2015 Peer Review of the D.C Cook PRA model of record. The MSPI Basis Document was also updated to show compliance with the changes to NEI 99-02 Appendix G from the approval of FAQ 14-01. No new components were scoped into MSPI or excluded from monitoring due to the changes incorporated in this revision. MSPI Basis Document Revision 11 was approved on 06/29/16. This revision was for correction of typographical errors and had no numerical or programmatic impact.

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**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/15 1Q/16 2Q/16 3Q/16 4Q/16 1Q/17 2Q/17 3Q/17

UAI (ΔCDF)	9.31E-08	4.36E-08	2.66E-08	2.68E-08	3.20E-08	9.08E-08	5.20E-08	5.50E-08
URI (ΔCDF)	-9.51E-08	-9.54E-08	8.23E-08	-2.53E-08	-2.60E-08	-2.67E-08	-2.74E-08	-2.78E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
<b>Indicator value</b>	<b>-2.00E-09</b>	<b>-5.20E-08</b>	<b>1.10E-07</b>	<b>1.50E-09</b>	<b>5.90E-09</b>	<b>6.40E-08</b>	<b>2.50E-08</b>	<b>2.70E-08</b>

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Licensee Comments:

3Q/17: Changed PRA Parameter(s). The D.C. Cook PRA Model revision was approved on 06/30/17 with a corresponding MSPI Basis Document revision approved on 08/31/17. Revision 13 of the D.C. Cook MSPI Basis Document incorporates the update of the PRA. The PRA model revision was an update to the model which added flooding events that were initially screened out of the PRA. Because MSPI expressly excludes flooding from the analysis, these changes had no impact on PRA MSPI data. In addition to the flooding changes, this model of record incorporates the addition of failure modes to interfacing systems LOCA modeling in order to resolve F&Os from the 2015 peer review. Containment event trees for AFW were also modified in order to increase quantification efficiency.

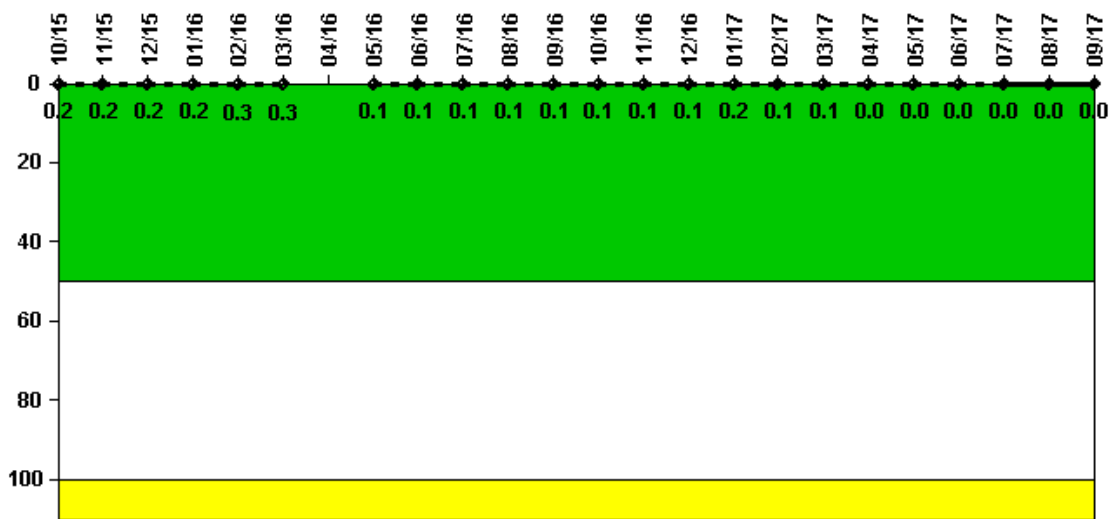
4Q/16: Changed PRA Parameter(s).

3Q/16: Changed PRA Parameter(s). The D.C. Cook PRA Model revision was approved on 06/30/16 with a corresponding MSPI Basis Document revision approved on 09/09/16. Revision 12 of the D.C. Cook MSPI Basis Document incorporates the update of the PRA. The PRA model revision was an update to the model which included crediting of offsite power recovery in accident scenarios that do not begin with a Loss of Offsite Power. As a result of the PRA model change, the CDF and Fussel-Vesely numbers for all monitored trains and components were revised.

2Q/16: Changed PRA Parameter(s). The D.C. Cook PRA Model Revision 2 was approved on 03/31/16 with a corresponding MSPI Basis Document Revision 10 approved on 06/02/16. New software was used to form the PRA model and to calculate risk importance to provide increased precision on the calculated metrics. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised. Additionally, this revision includes changes to the model of record made to resolve facts and observations from the 2015 Peer Review of the D.C Cook PRA model of record. The MSPI Basis Document was also updated to show compliance with the changes to NEI 99-02 Appendix G from the approval of FAQ 14-01. No new components were scoped into MSPI or excluded from monitoring due to the changes incorporated in this revision. MSPI Basis Document Revision 11 was approved on 06/29/16. This revision was for correction of typographical errors and had no numerical or programmatic impact.

4Q/15: An FAQ has been submitted due to an unresolved issue from the NRC 3rd Quarter Baseline Inspection. The unresolved issue is related to a PRA Modeling error discovered and entered into the Station Corrective Action Program and corrected in the 3rd Quarter 2015 submittal following approval of the PRA Model revision in the 2nd Quarter 2015. The NRC Resident Inspectors questioned why previously submitted MSPI data was not corrected when the error was discovered. The Station's understanding of NEI 99-02 guidance for correcting previously submitted data is that changes based on PRA Model revisions, including error correction, are implemented in the quarter following approval of the revised PRA Model and previously submitted data is not updated.

### Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

**Notes**

Reactor Coolant System Activity	10/15	11/15	12/15	1/16	2/16	3/16	4/16	5/16	6/16	7/16	8/16	9/16
Maximum activity	0.000577	0.000609	0.000629	0.000648	0.000892	0.000940	N/A	0.000299	0.000333	0.000345	0.000379	0.000392
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	0.2	0.2	0.2	0.2	0.3	0.3	N/A	0.1	0.1	0.1	0.1	0.1

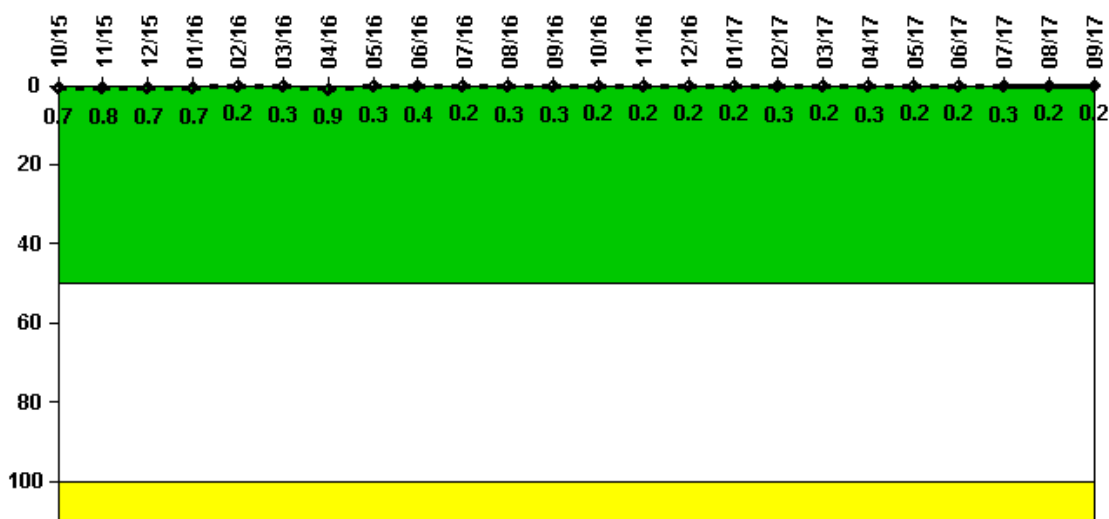
Reactor Coolant System Activity	10/16	11/16	12/16	1/17	2/17	3/17	4/17	5/17	6/17	7/17	8/17	9/17
Maximum activity	0.000454	0.000454	0.000451	0.000547	0.000491	0.000513	0.000265	0.000277	0.000285	0.000335	0.000312	0.000314
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	0.1	0.1	0.1	0.2	0.1	0.1	0	0	0	0	0	0

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Licensee Comments:

6/17: Technical Specification Limit I-131 value was changed 3/31/17. This change is effective beginning with the second quarter 2017. This change did not result in a change in indicator color.

### Reactor Coolant System Leakage



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	0.075	0.087	0.072	0.071	0.018	0.028	0.092	0.037	0.038	0.019	0.031	0.035
Technical specification limit	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8

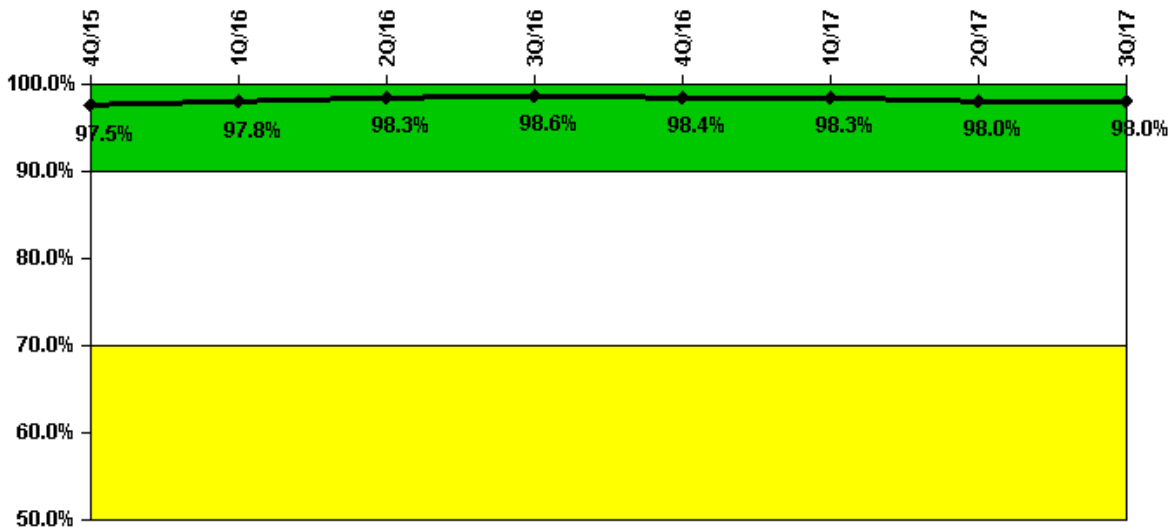
Reactor Coolant System Leakage	10/16	11/16	12/16	1/17	2/17	3/17	4/17	5/17	6/17	7/17	8/17	9/17
Indicator value	0.7	0.8	0.7	0.7	0.2	0.3	0.9	0.3	0.4	0.2	0.3	0.3
Maximum leakage	0.024	0.020	0.025	0.022	0.028	0.018	0.033	0.026	0.024	0.029	0.019	0.026
Technical specification limit	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8

Indicator value	0.2	0.2	0.2	0.2	0.3	0.2	0.3	0.2	0.2	0.3	0.2	0.2
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Licensee Comments: none

### Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

#### Notes

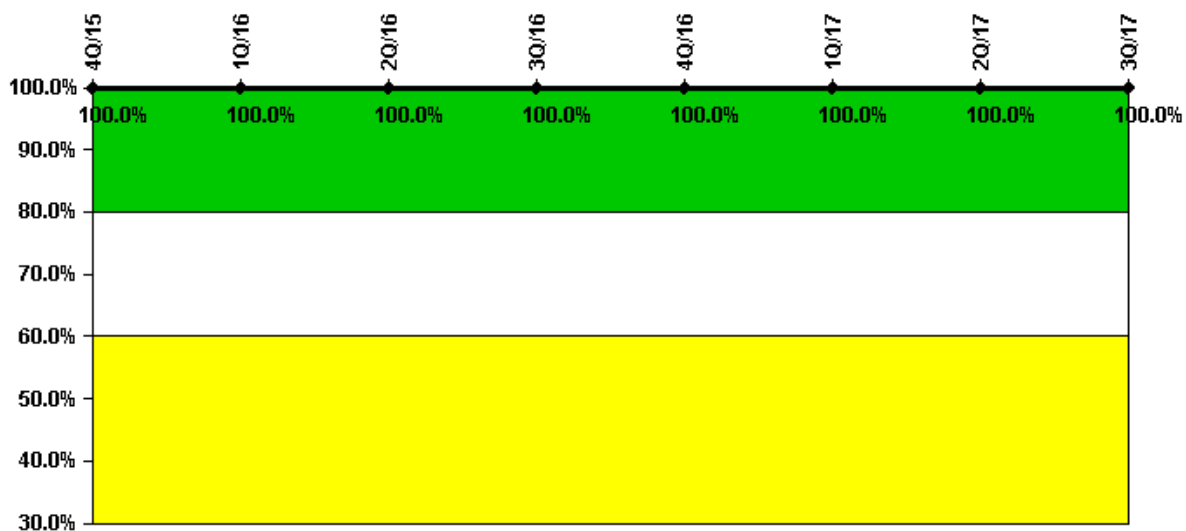
Drill/Exercise Performance	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17
Successful opportunities	56.0	62.0	34.0	81.0	1.0	48.0	58.0	51.0
Total opportunities	60.0	62.0	34.0	82.0	1.0	49.0	60.0	51.0

**Indicator value**                    **97.5% 97.8% 98.3% 98.6% 98.4% 98.3% 98.0% 98.0%**

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Licensee Comments: none

### ERO Drill Participation



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	132.0	132.0	109.0	116.0	115.0	110.0	110.0	110.0
Total Key personnel	132.0	132.0	109.0	116.0	115.0	110.0	110.0	110.0

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

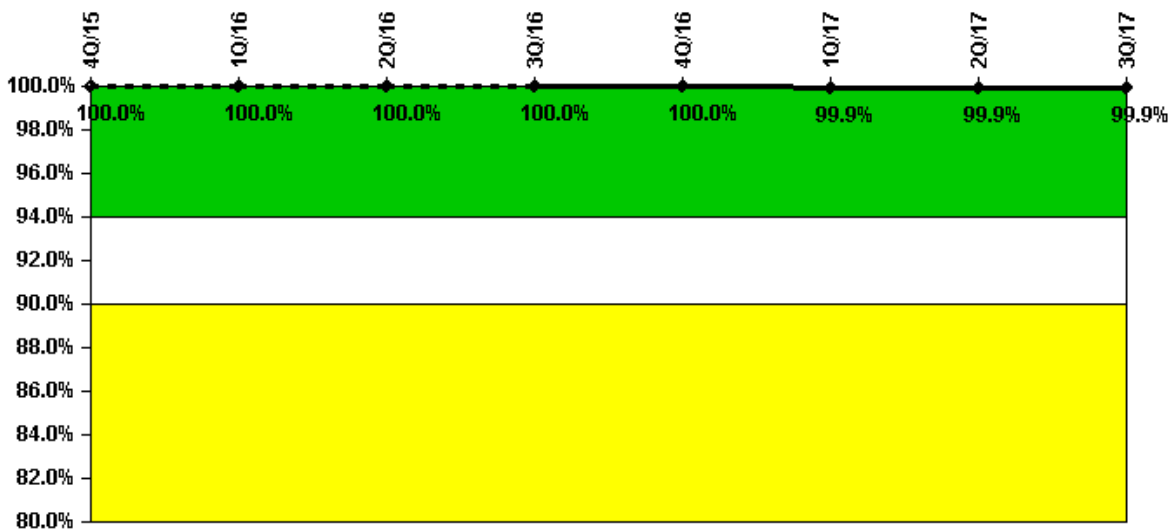
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Licensee Comments:

4Q/16: Newly added drill participant was not counted. Data was corrected to reflect the change.

3Q/16: Newly added drill participant was not counted. Data was corrected to reflect the change.

### Alert & Notification System



Thresholds: White < 94.0% Yellow < 90.0%

#### Notes

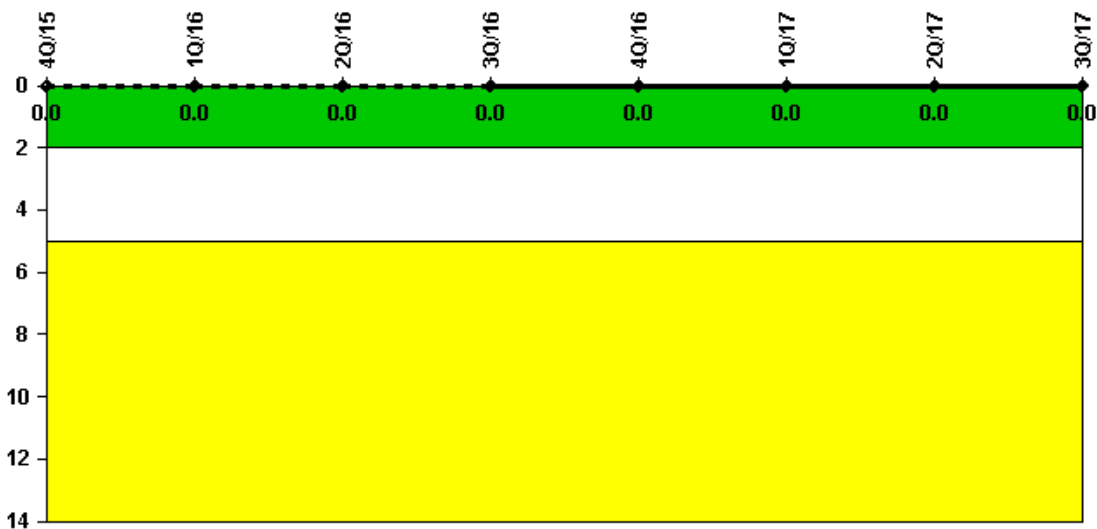
Alert & Notification System	4Q/15	1Q/16	2Q/16	3Q/16	4Q/16	1Q/17	2Q/17	3Q/17
Successful siren-tests	1120	1119	1119	1050	1120	1047	1119	1119
Total sirens-tests	1120	1120	1119	1050	1120	1050	1119	1120

**Indicator value**                    **100.0% 100.0% 100.0% 100.0% 100.0% 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** 4Q/15 1Q/16 2Q/16 3Q/16 4Q/16 1Q/17 2Q/17 3Q/17

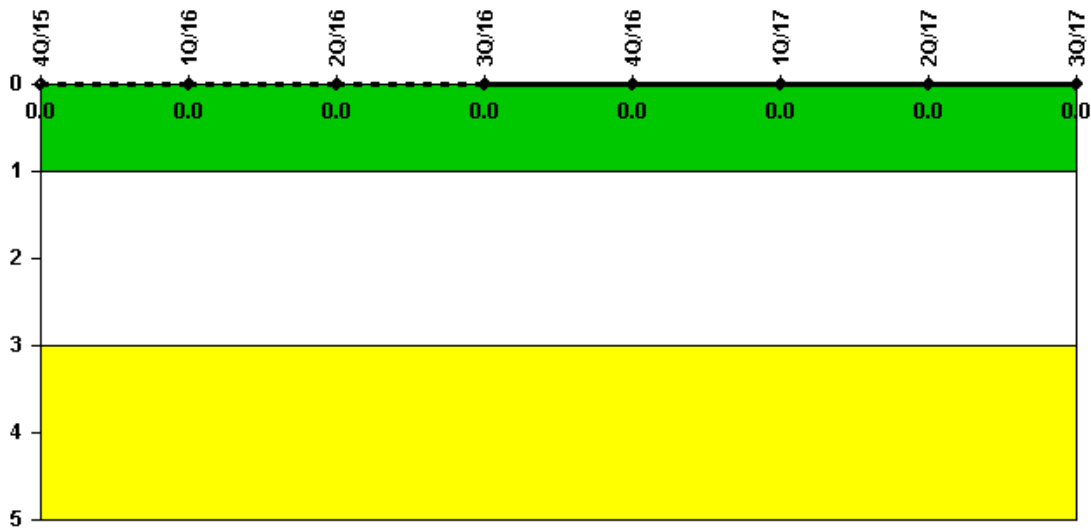
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
<b>Indicator value</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

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Licensee Comments: none



### RETS/ODCM Radiological Effluent



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

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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: October 31, 2017*

*Page Last Reviewed/Updated Monday, November 06, 2017*