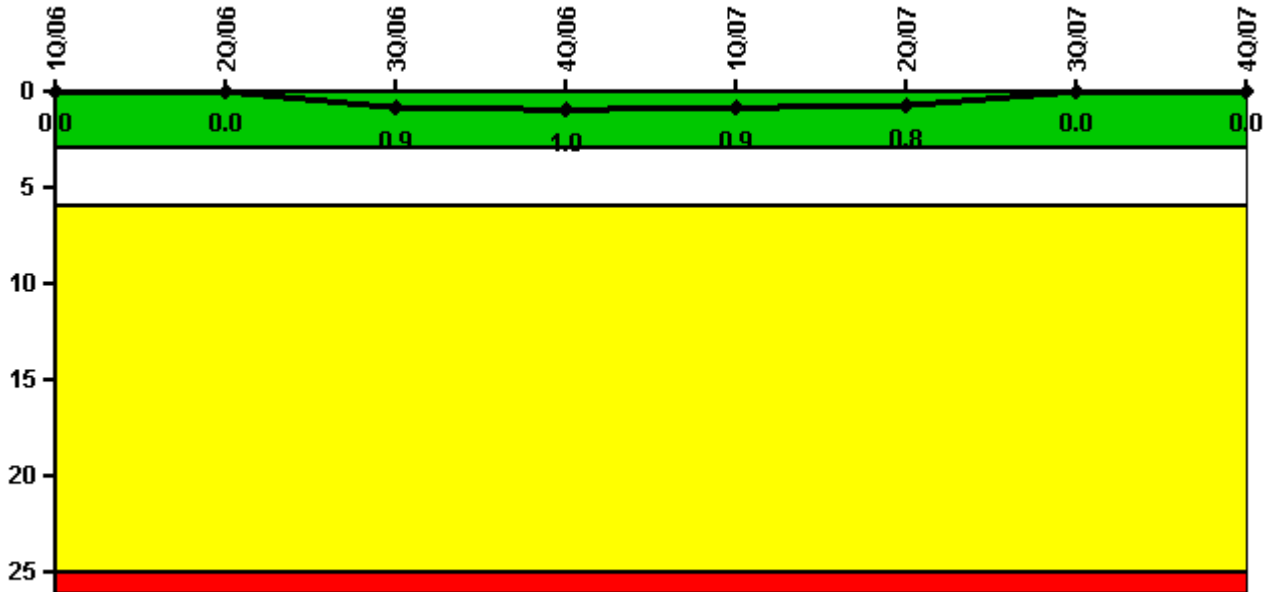


# Davis-Besse

## 4Q/2007 Performance Indicators

Licensee's General Comments: none

### Unplanned Scrams per 7000 Critical Hrs



Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

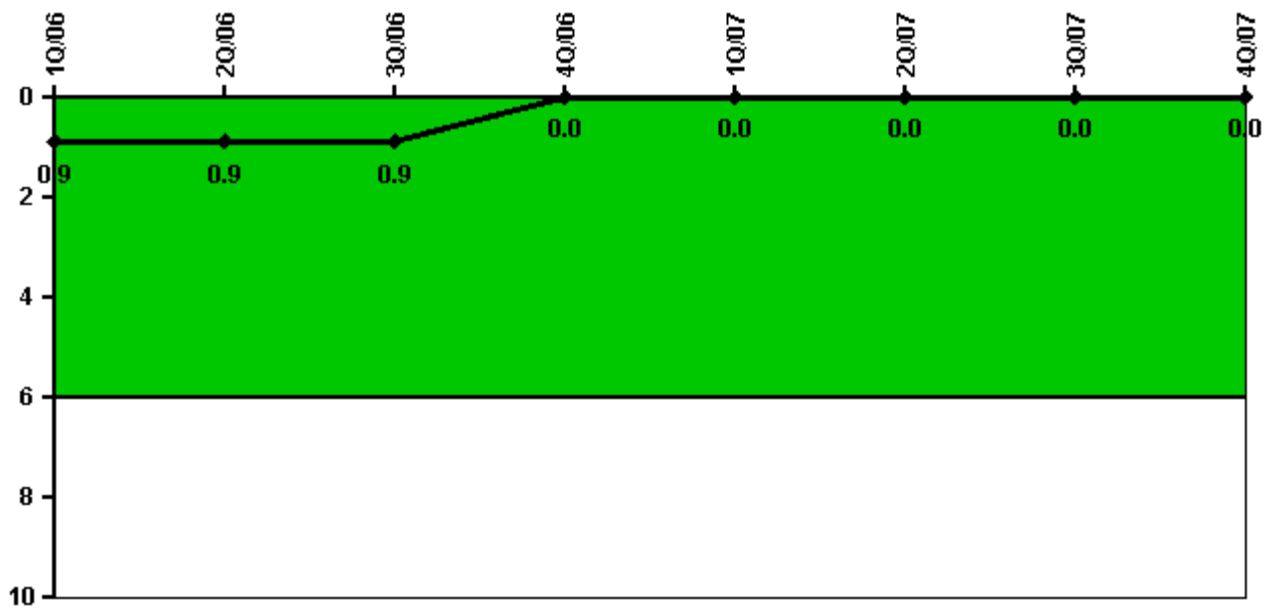
### Notes

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	0	1.0	0	0	0	0	0
Critical hours	1536.0	1588.9	2168.7	2061.6	2159.0	2184.0	2208.0	2163.3
Indicator value	0	0	0.9	1.0	0.9	0.8	0	0

Licensee Comments: none

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## Unplanned Power Changes per 7000 Critical Hrs



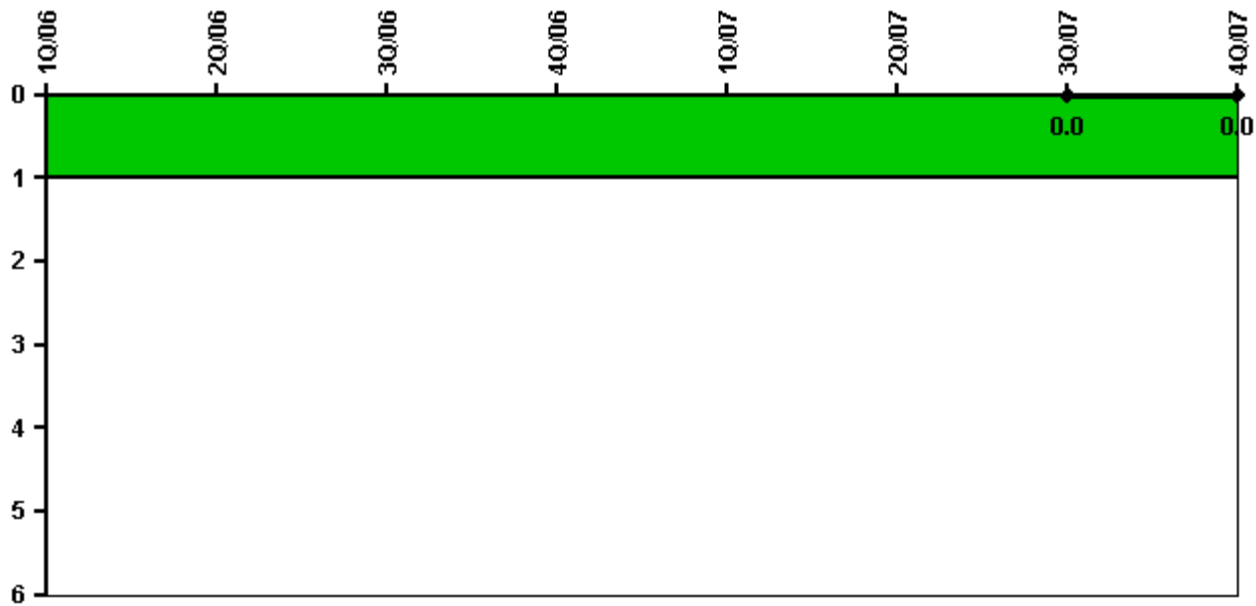
Thresholds: White > 6.0

### Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	1536.0	1588.9	2168.7	2061.6	2159.0	2184.0	2208.0	2163.3
Indicator value	0.9	0.9	0.9	0	0	0	0	0

Licensee Comments: none

# Unplanned Scrams with Complications



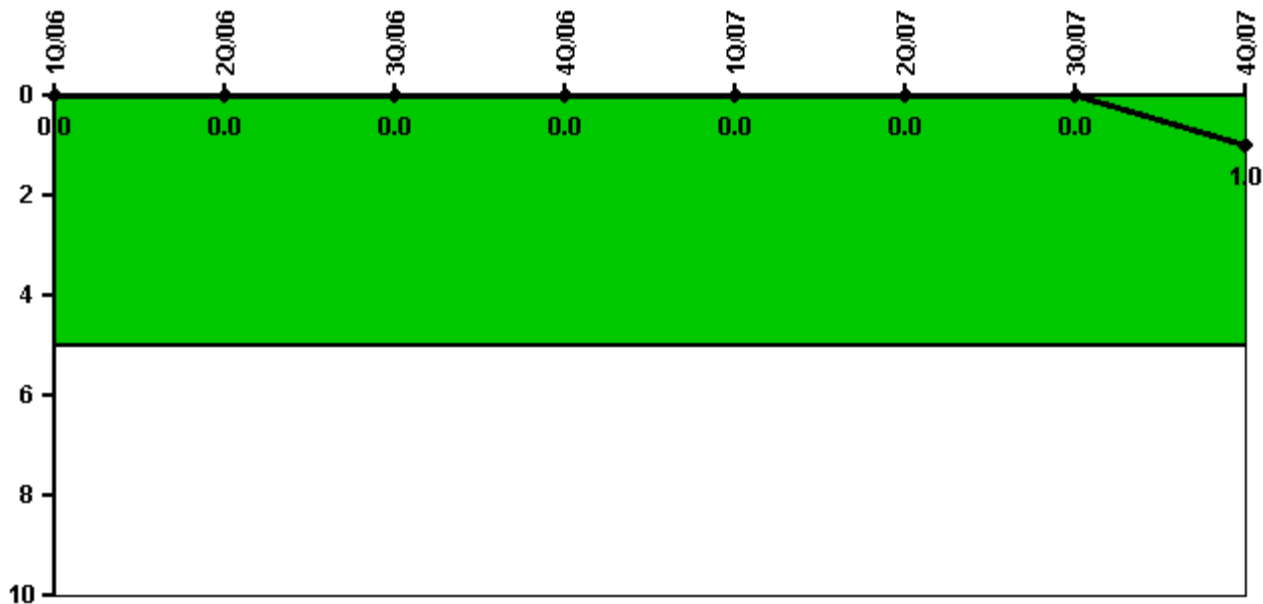
Thresholds: White > 1.0

## 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
<b>Indicator value</b>							<b>0.0</b>	<b>0.0</b>

Licensee Comments: none

## Safety System Functional Failures (PWR)



Thresholds: White > 5.0

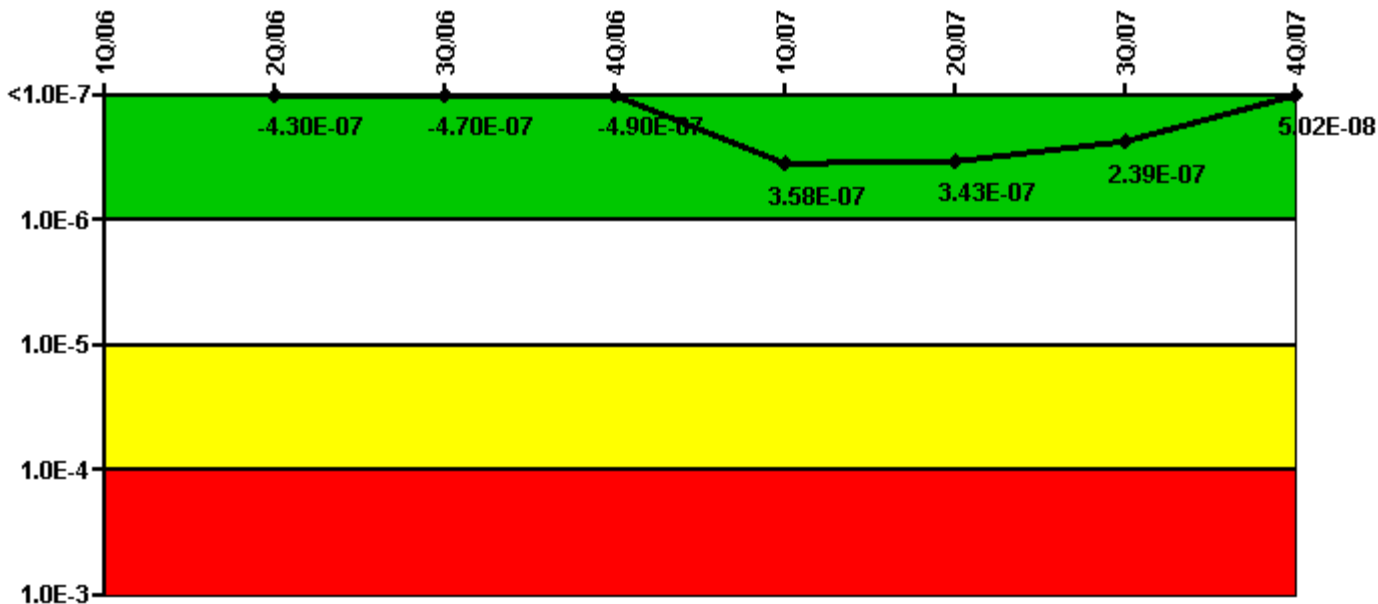
### Notes

Safety System Functional Failures (PWR)	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
Safety System Functional Failures	0	0	0	0	0	0	0	1
Indicator value	0	0	0	0	0	0	0	1

Licensee Comments:

4Q/07: LER 2007-001, Station Vent Radiation Monitor in Bypass due to Faulty Optical Isolation Board, dated 12/28/2007

# Mitigating Systems Performance Index, Emergency AC Power System



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

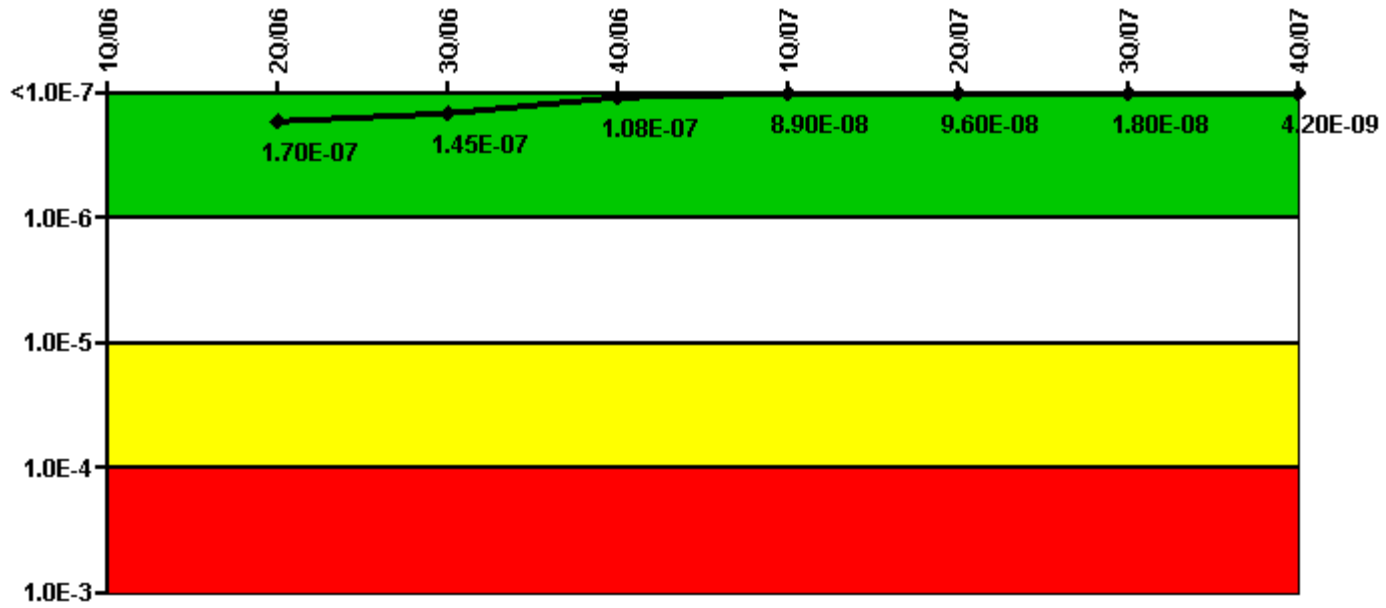
## Notes

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 ( $\Delta$ CDF)		$2.80E-07$	$1.50E-07$	$1.10E-07$	$2.70E-07$	$2.70E-07$	$1.60E-07$	$4.10E-08$
URI ( $\Delta$ CDF)		$-7.10E-07$	$-6.20E-07$	$-6.00E-07$	$8.80E-08$	$7.30E-08$	$7.90E-08$	$9.20E-09$
PLE		NO	NO	NO	NO	NO	NO	NO
Indicator value		$-4.30E-07$	$-4.70E-07$	$-4.90E-07$	$3.58E-07$	$3.43E-07$	$2.39E-07$	$5.02E-08$

Licensee Comments:

4Q/07: Changed PRA Parameter(s). MSPI Basis Document Change effective for 4Q2007.

# Mitigating Systems Performance Index, High Pressure Injection System



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

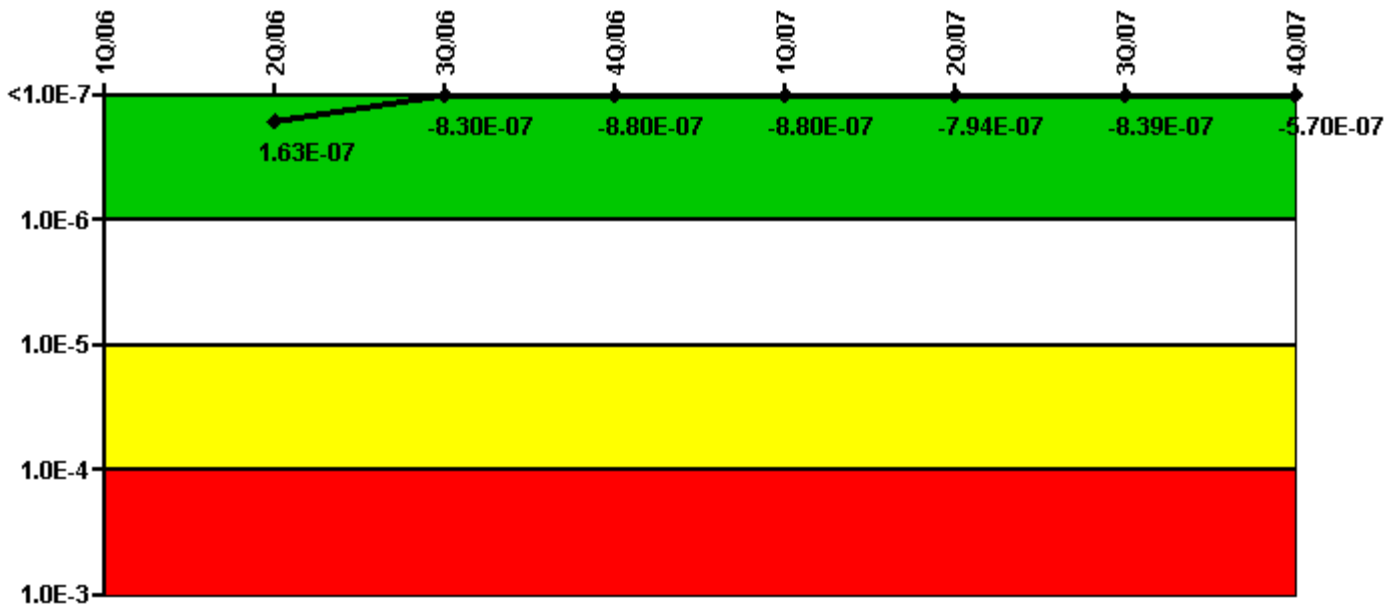
## Notes

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 ( $\Delta$ CDF)		$2.10E-07$	$1.80E-07$	$1.40E-07$	$1.20E-07$	$1.30E-07$	$5.20E-08$	$7.90E-09$
URI ( $\Delta$ CDF)		$-4.00E-08$	$-3.50E-08$	$-3.20E-08$	$-3.10E-08$	$-3.40E-08$	$-3.40E-08$	$-3.70E-09$
PLE		NO	NO	NO	NO	NO	NO	NO
Indicator value		$1.70E-07$	$1.45E-07$	$1.08E-07$	$8.90E-08$	$9.60E-08$	$1.80E-08$	$4.20E-09$

Licensee Comments:

4Q/07: Changed PRA Parameter(s). MSPI Basis Document Change effective for 4Q2007.

# Mitigating Systems Performance Index, Heat Removal System



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

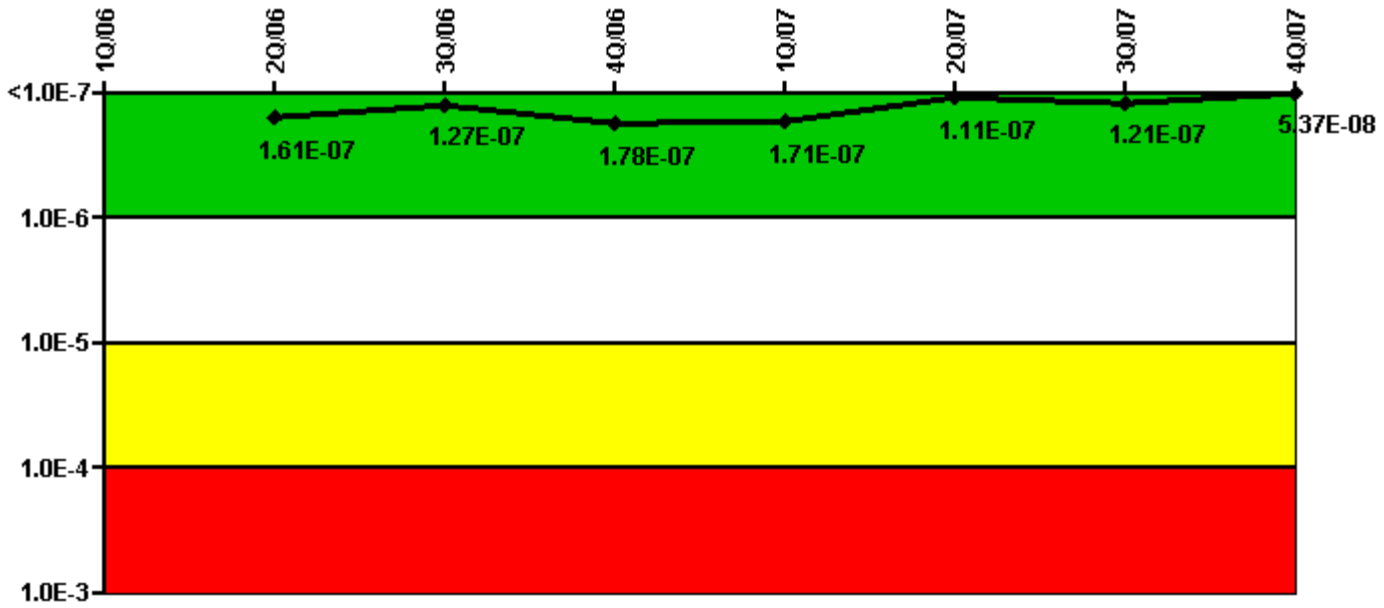
## Notes

Mitigating Systems Performance Index, Heat Removal System	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
UAI ( $\Delta$ CDF)		$1.60E-07$	$1.50E-07$	$1.10E-07$	$1.00E-07$	$8.60E-08$	$3.10E-08$	$1.00E-08$
URI ( $\Delta$ CDF)		$3.20E-09$	$-9.80E-07$	$-9.90E-07$	$-9.80E-07$	$-8.80E-07$	$-8.70E-07$	$-5.80E-07$
PLE		NO	NO	NO	NO	NO	NO	NO
Indicator value		$1.63E-07$	$-8.30E-07$	$-8.80E-07$	$-8.80E-07$	$-7.94E-07$	$-8.39E-07$	$-5.70E-07$

Licensee Comments:

4Q/07: Changed PRA Parameter(s). MSPI Basis Document Change effective for 4Q2007.

# Mitigating Systems Performance Index, Residual Heat Removal System



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

## Notes

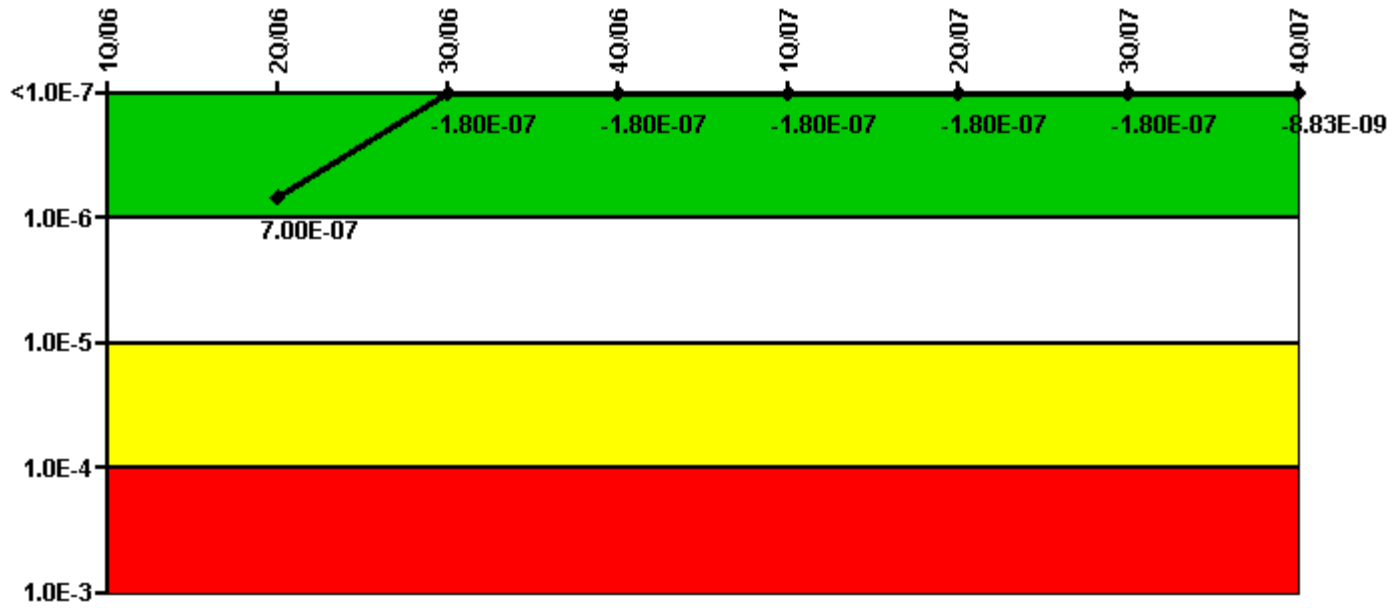
Mitigating Systems Performance Index, Residual Heat Removal System	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
UAI (ΔCDF)		2.60E-07	2.00E-07	2.30E-07	2.20E-07	1.60E-07	1.70E-07	4.60E-08
URI (ΔCDF)		-9.90E-08	-7.30E-08	-5.20E-08	-4.90E-08	-4.90E-08	-4.90E-08	7.70E-09
PLE		NO	NO	NO	NO	NO	NO	NO
Indicator value		1.61E-07	1.27E-07	1.78E-07	1.71E-07	1.11E-07	1.21E-07	5.37E-08

Licensee Comments:

4Q/07: Changed PRA Parameter(s).



# Mitigating Systems Performance Index, Cooling Water Systems



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

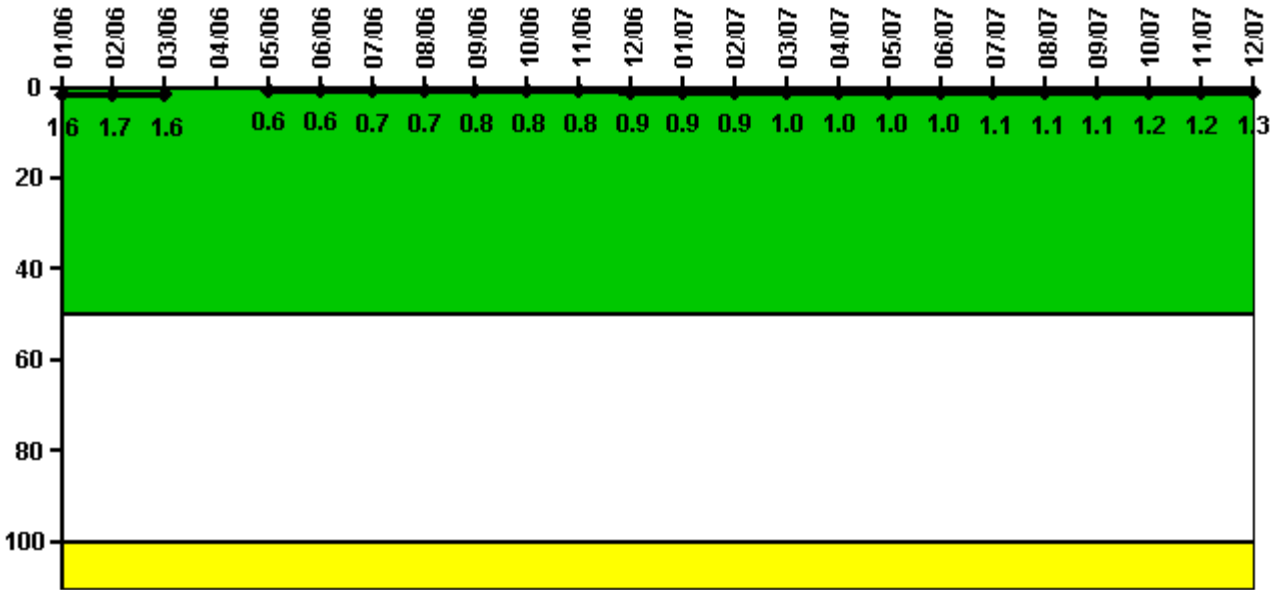
## Notes

Mitigating Systems Performance Index, Cooling Water Systems	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
UAI (ΔCDF)		-1.50E-10	-1.50E-10	-1.50E-10	-1.60E-10	-1.60E-10	-1.60E-10	-3.10E-11
URI (ΔCDF)		7.00E-07	-1.80E-07	-1.80E-07	-1.80E-07	-1.80E-07	-1.80E-07	-8.80E-09
PLE		NO	NO	NO	NO	NO	NO	NO
Indicator value		7.00E-07	-1.80E-07	-1.80E-07	-1.80E-07	-1.80E-07	-1.80E-07	-8.83E-09

Licensee Comments:

4Q/07: Changed PRA Parameter(s). MSPI Basis Document Change effective for 4Q2007.

# Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

## Notes

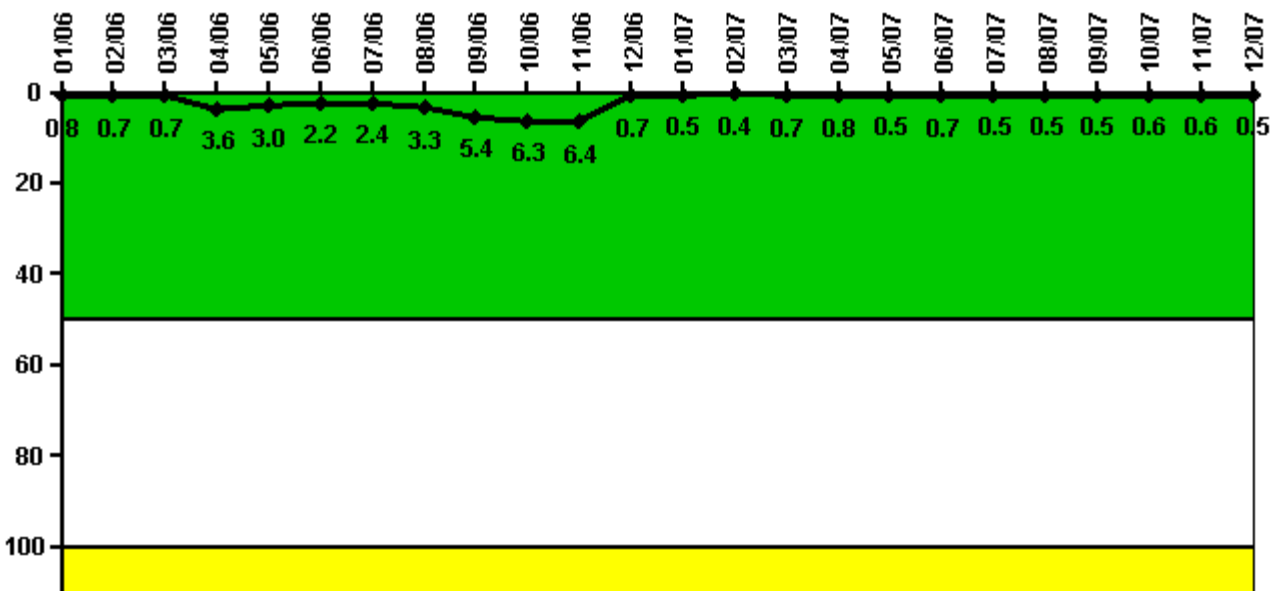
Reactor Coolant System Activity	1/06	2/06	3/06	4/06	5/06	6/06	7/06	8/06	9/06	10/06	11/06	12/06
Maximum activity	0.016000	0.017000	0.016000	N/A	0.005500	0.006300	0.006800	0.007400	0.007800	0.008300	0.008200	0.009100
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	1.6	1.7	1.6	N/A	0.6	0.6	0.7	0.7	0.8	0.8	0.8	0.9

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	0.009000	0.009200	0.009500	0.009700	0.010000	0.010000	0.011000	0.011000	0.011000	0.012000	0.012000	0.013000
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	0.9	0.9	1.0	1.0	1.0	1.0	1.1	1.1	1.1	1.2	1.2	1.3

Licensee Comments: none

# Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

## Notes

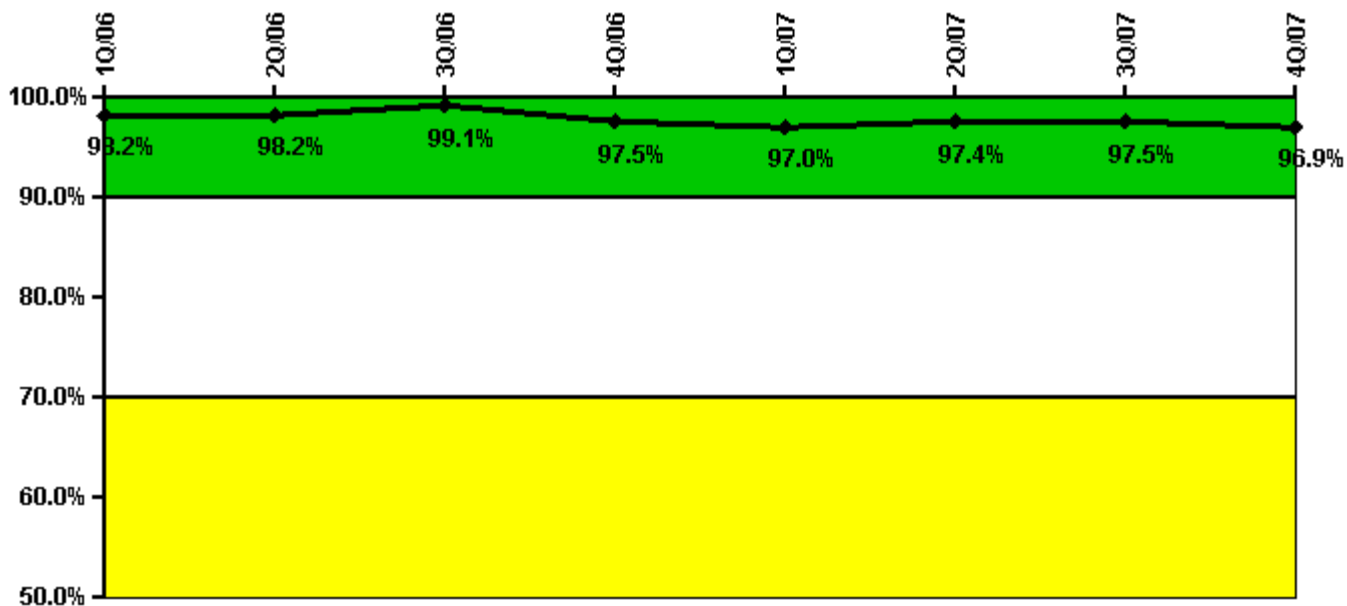
Reactor Coolant System Leakage	1/06	2/06	3/06	4/06	5/06	6/06	7/06	8/06	9/06	10/06	11/06	12/06
Maximum leakage	0.076	0.073	0.068	0.360	0.295	0.224	0.239	0.327	0.539	0.631	0.635	0.074
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.8	0.7	0.7	3.6	3.0	2.2	2.4	3.3	5.4	6.3	6.4	0.7

Reactor Coolant System Leakage	1/07	2/07	3/07	4/07	5/07	6/07	7/07	8/07	9/07	10/07	11/07	12/07
Maximum leakage	0.048	0.042	0.074	0.084	0.048	0.065	0.047	0.047	0.052	0.062	0.060	0.050
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.5	0.4	0.7	0.8	0.5	0.7	0.5	0.5	0.5	0.6	0.6	0.5

Licensee Comments: none

## Drill/Exercise Performance



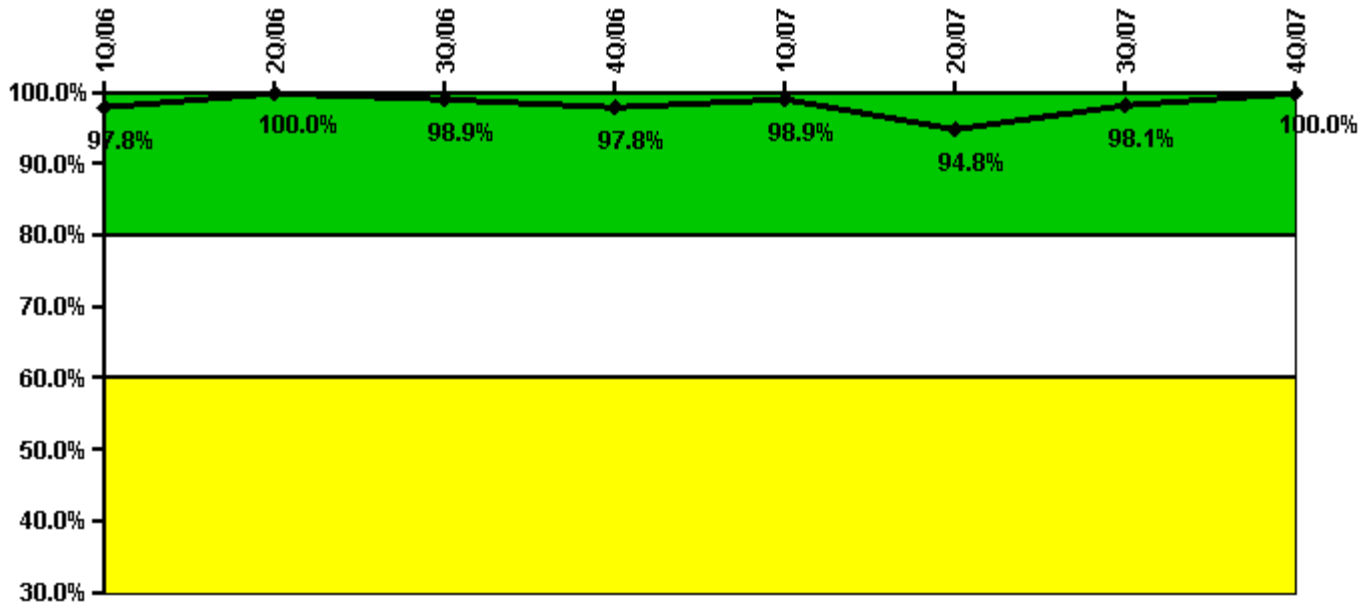
Thresholds: White < 90.0% Yellow < 70.0%

### Notes

Drill/Exercise Performance	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
Successful opportunities	0	16.0	24.0	58.0	9.0	38.0	29.0	45.0
Total opportunities	0	16.0	24.0	62.0	10.0	38.0	30.0	46.0
<b>Indicator value</b>	<b>98.2%</b>	<b>98.2%</b>	<b>99.1%</b>	<b>97.5%</b>	<b>97.0%</b>	<b>97.4%</b>	<b>97.5%</b>	<b>96.9%</b>

Licensee Comments: none

# ERO Drill Participation



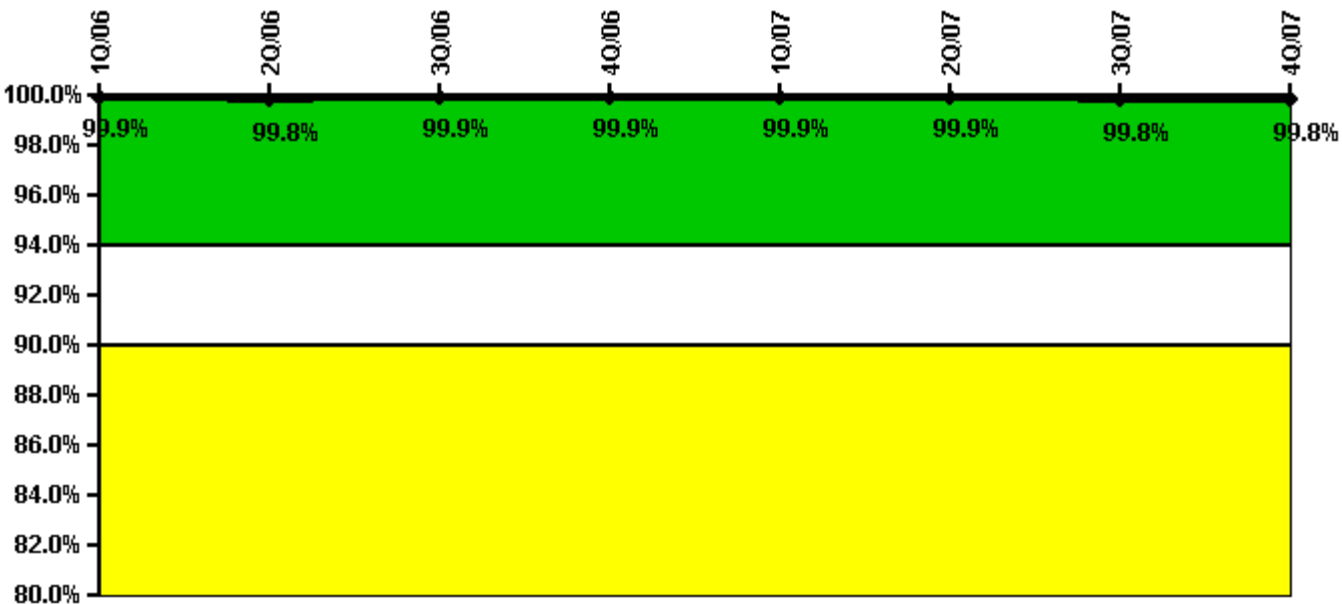
Thresholds: White < 80.0% Yellow < 60.0%

## Notes

ERO Drill Participation	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07
Participating Key personnel	89.0	94.0	87.0	88.0	90.0	91.0	103.0	101.0
Total Key personnel	91.0	94.0	88.0	90.0	91.0	96.0	105.0	101.0
<b>Indicator value</b>	<b>97.8%</b>	<b>100.0%</b>	<b>98.9%</b>	<b>97.8%</b>	<b>98.9%</b>	<b>94.8%</b>	<b>98.1%</b>	<b>100.0%</b>

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	690	700	702	702	697	699	700	700
Total sirens-tests	691	702	702	702	697	702	702	702
<b>Indicator value</b>	<b>99.9%</b>	<b>99.8%</b>	<b>99.9%</b>	<b>99.9%</b>	<b>99.9%</b>	<b>99.9%</b>	<b>99.8%</b>	<b>99.8%</b>

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
<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>

Licensee Comments: none

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# 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.