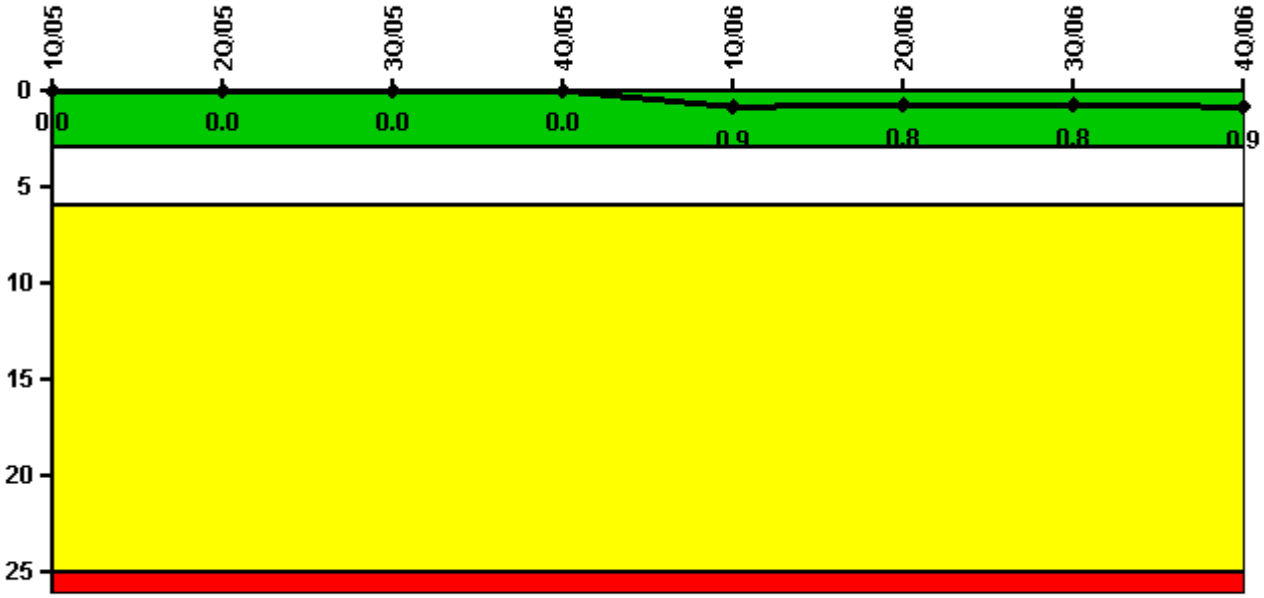
Millstone 2

4Q/2006 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



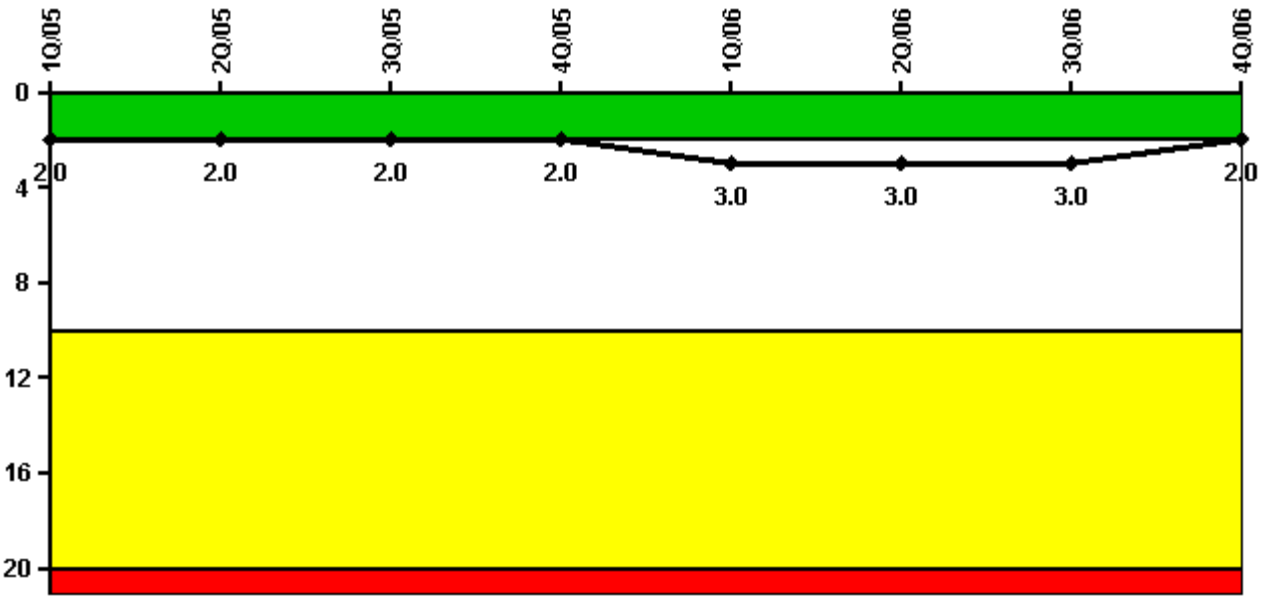
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
Unplanned scrams	0	0	0	0	1.0	0	0	0
Critical hours	2160.0	1255.4	2208.0	2209.0	2127.8	2007.6	2208.0	1177.1
Indicator value	**0**	**0**	**0**	**0**	**0.9**	**0.8**	**0.8**	**0.9**

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



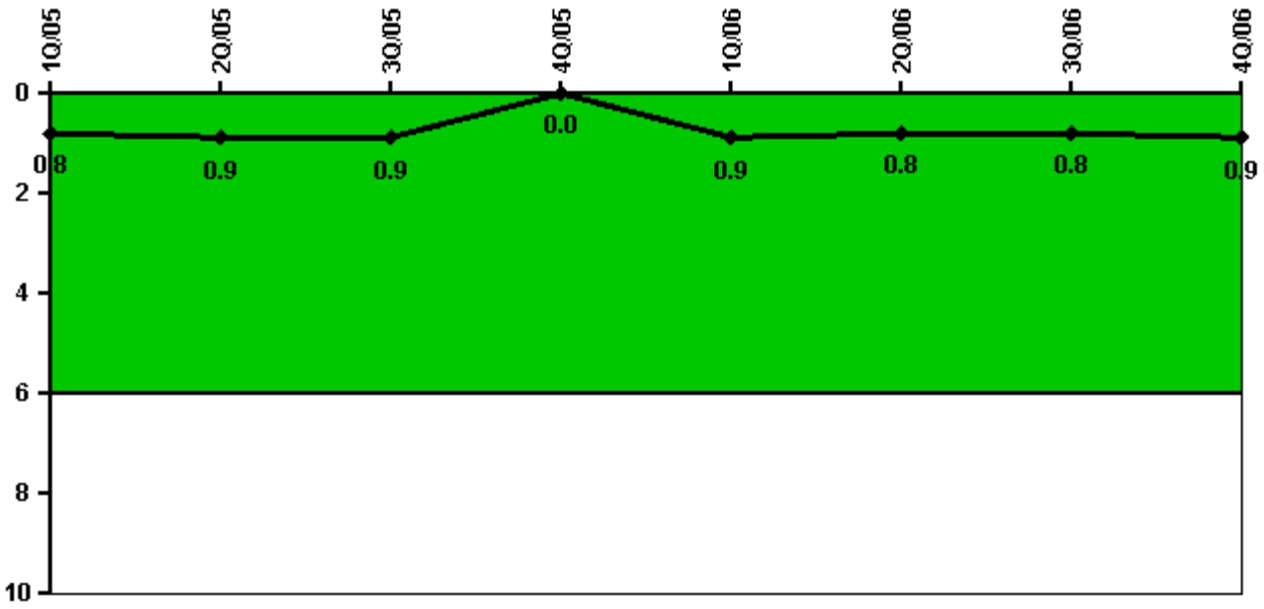
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
Scrams	0	0	0	0	1.0	0	0	0
Indicator value	**2.0**	**2.0**	**2.0**	**2.0**	**3.0**	**3.0**	**3.0**	**2.0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



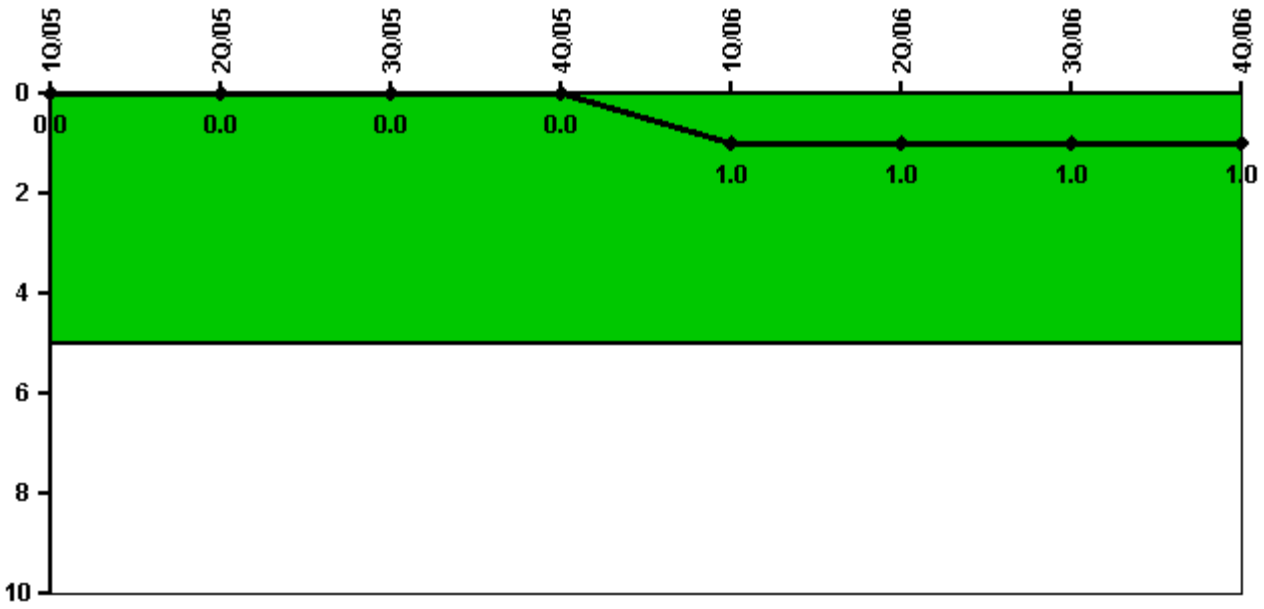
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
Unplanned power changes	0	0	0	0	1.0	0	0	0
Critical hours	2160.0	1255.4	2208.0	2209.0	2127.8	2007.6	2208.0	1177.1
Indicator value	**0.8**	**0.9**	**0.9**	**0**	**0.9**	**0.8**	**0.8**	**0.9**

Licensee Comments: none

Safety System Functional Failures (PWR)



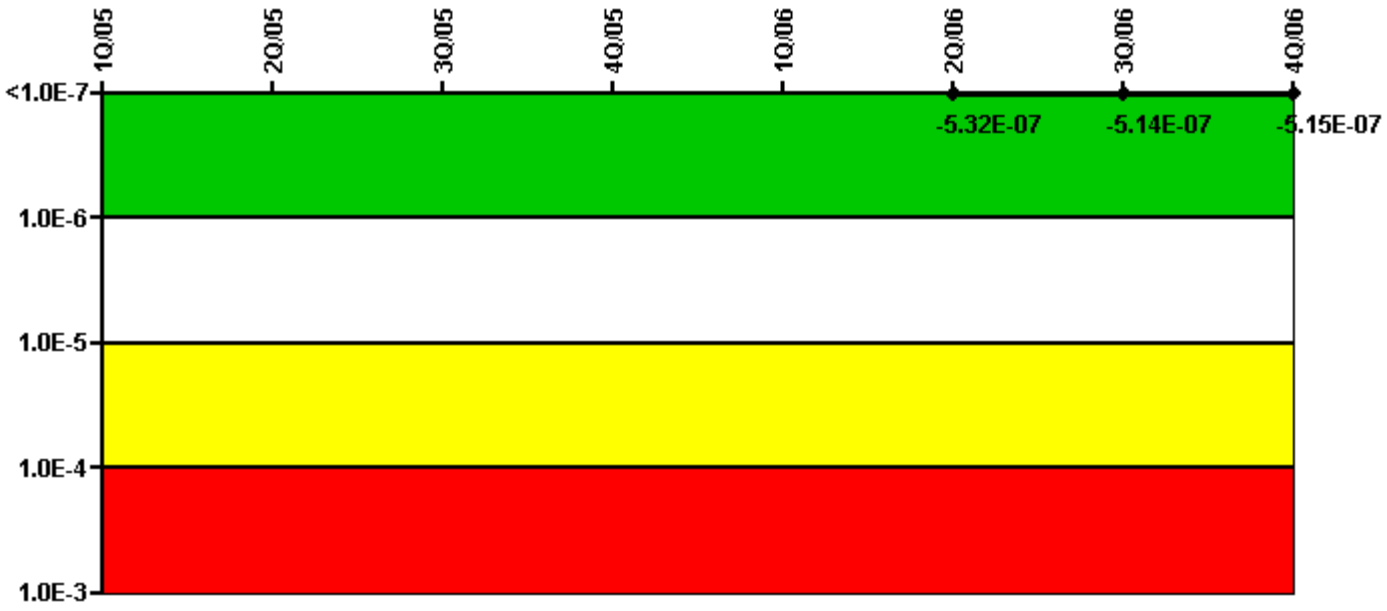
Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/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

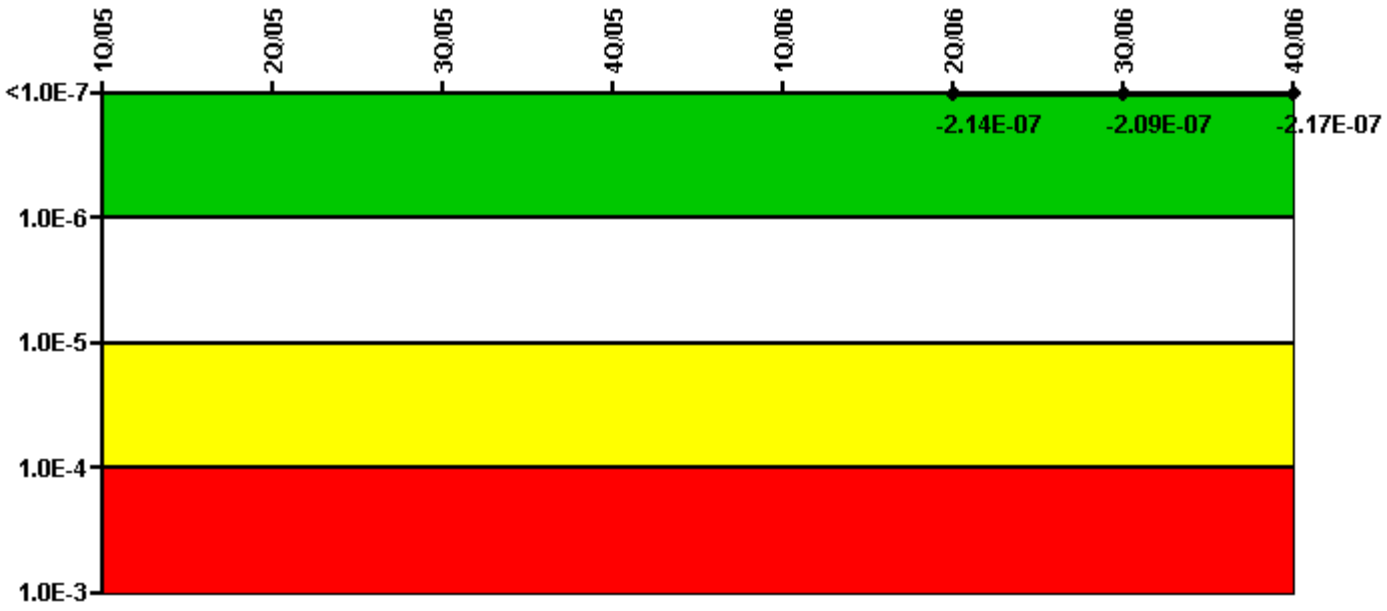
Notes

Mitigating Systems Performance Index, Emergency AC Power System	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
UAI (ΔCDF)						8.10E-09	2.60E-08	2.50E-08
URI (ΔCDF)						-5.40E-07	-5.40E-07	-5.40E-07
PLE						NO	NO	NO
Indicator value						**-5.32E-07**	**-5.14E-07**	**-5.15E-07**

Licensee Comments:

4Q/06: During an NRC Inspection for MSPI there were some inconsistencies identified between the station internal databases and CDE. As a result, the data was reviewed and CDE was corrected where. The corrections did not result in a threshold exceedance.

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)						-4.40E-08	-4.90E-08	-5.70E-08
URI (ΔCDF)						-1.70E-07	-1.60E-07	-1.60E-07
PLE						NO	NO	NO
Indicator value						**-2.14E-07**	**-2.09E-07**	**-2.17E-07**

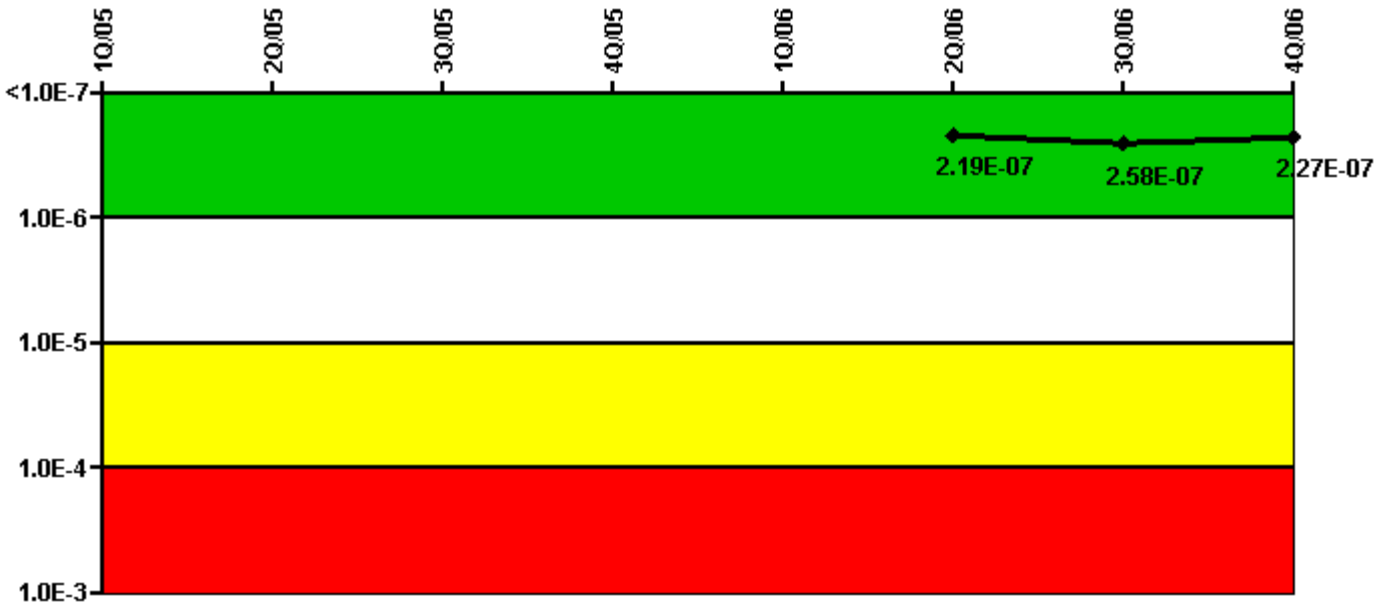
Licensee Comments:

4Q/06: Changed PRA Parameter(s). Changed PRA Parameter(s). During an NRC Inspection for MSPI there were some inconsistencies identified between the station internal databases and CDE. As a result, the data was reviewed and CDE was corrected where. The corrections did not result in a threshold exceedance.

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

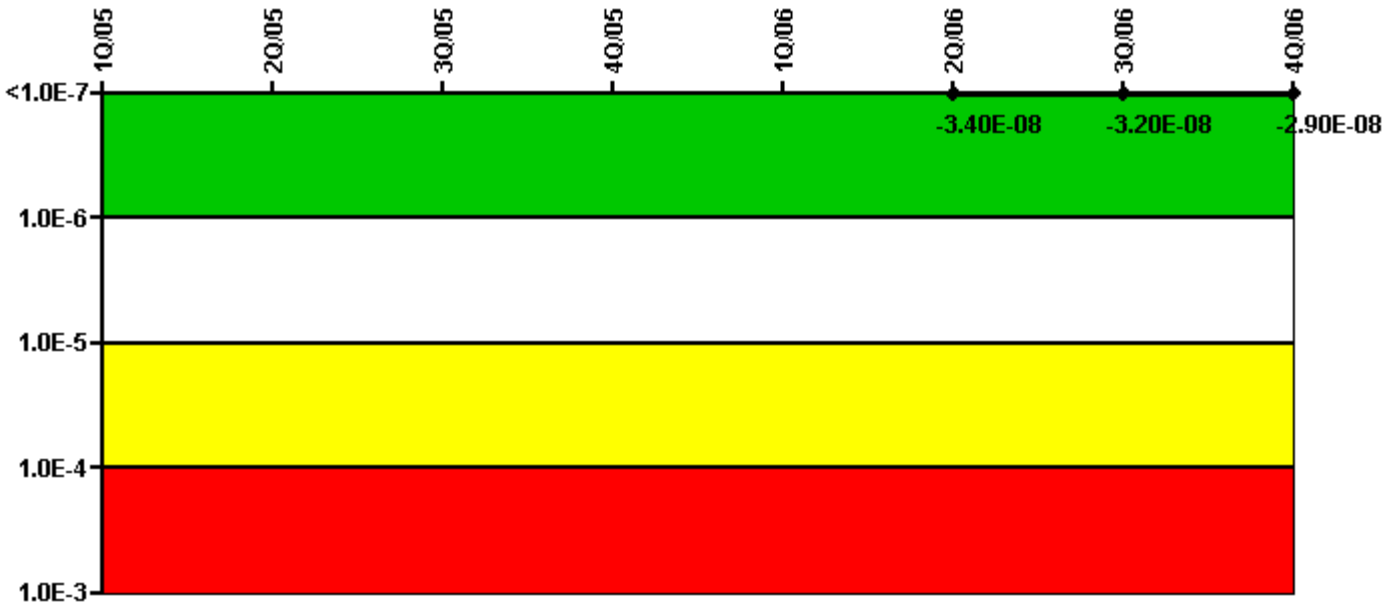
Notes

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)						2.90E-08	5.80E-08	5.70E-08
URI (ΔCDF)						1.90E-07	2.00E-07	1.70E-07
PLE						NO	NO	NO
Indicator value						**2.19E-07**	**2.58E-07**	**2.27E-07**

Licensee Comments:

4Q/06: During an NRC Inspection for MSPI there were some inconsistencies identified between the station internal databases and CDE. As a result, the data was reviewed and CDE was corrected where. The corrections did not result in a threshold exceedance.

Mitigating Systems Performance Index, Residual Heat Removal System



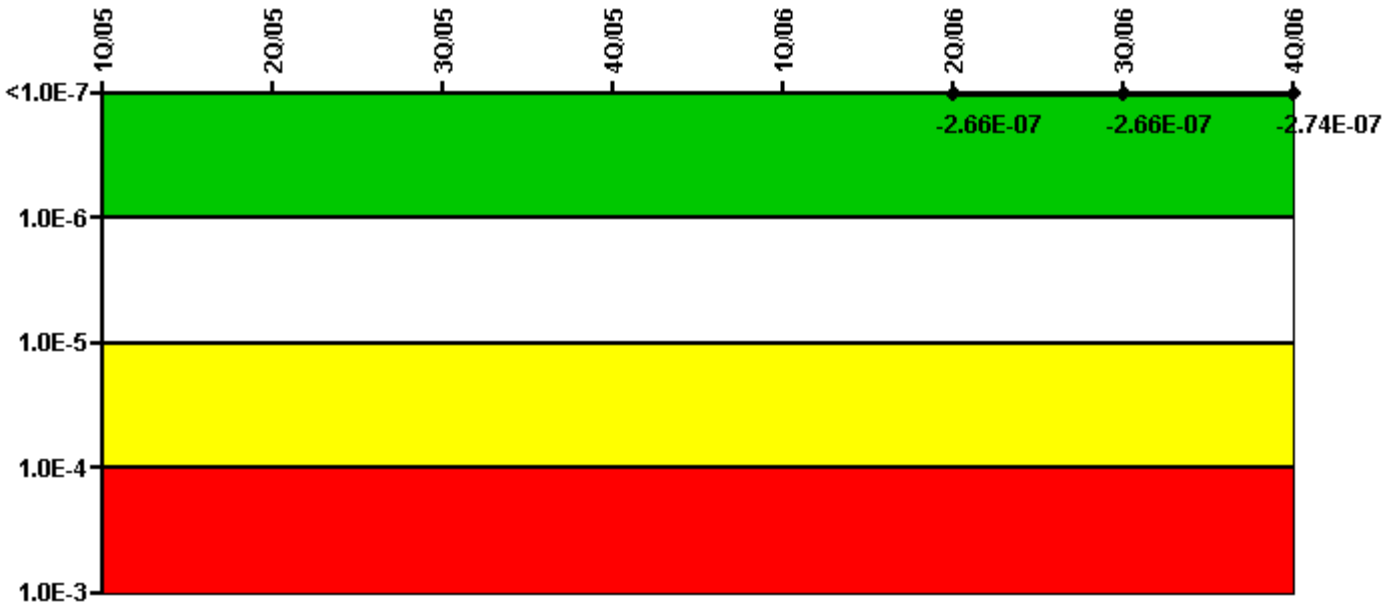
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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)						-1.00E-09	-1.00E-09	-1.00E-09
URI (ΔCDF)						-3.30E-08	-3.10E-08	-2.80E-08
PLE						NO	NO	NO
Indicator value						**-3.40E-08**	**-3.20E-08**	**-2.90E-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	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
UAI (ΔCDF)						-6.10E-09	-6.10E-09	-1.40E-08
URI (ΔCDF)						-2.60E-07	-2.60E-07	-2.60E-07
PLE						NO	NO	NO
Indicator value						**-2.66E-07**	**-2.66E-07**	**-2.74E-07**

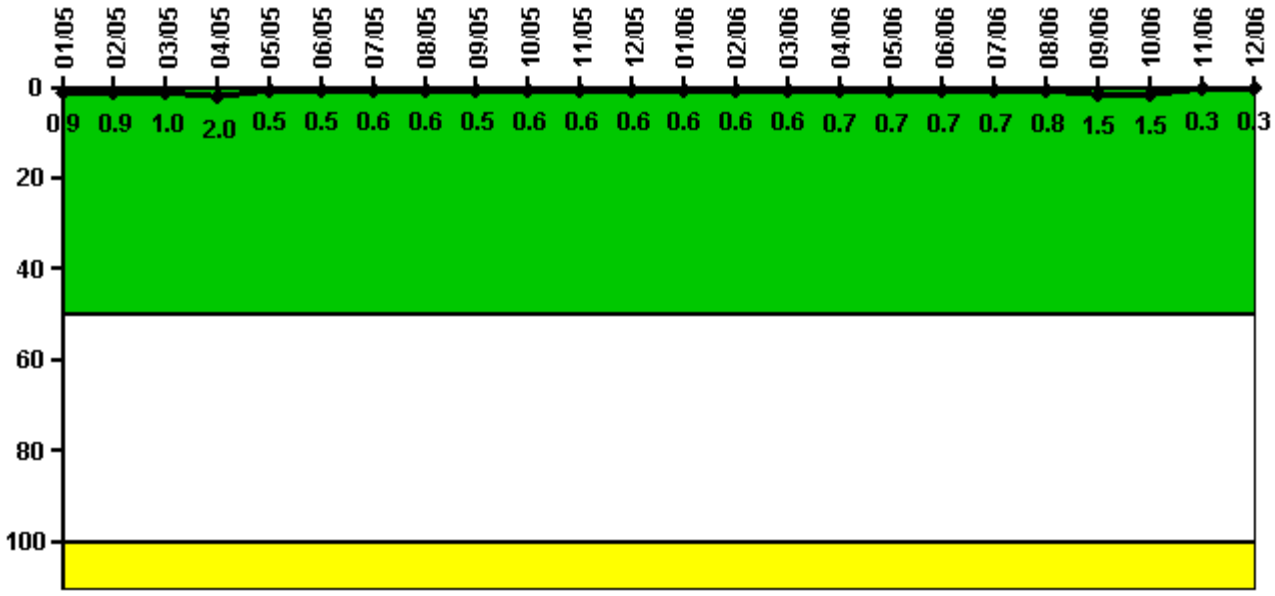
Licensee Comments:

4Q/06: Changed PRA Parameter(s). Changed PRA Parameter(s). During an NRC Inspection for MSPI there were some inconsistencies identified between the station internal databases and CDE. As a result, the data was reviewed and CDE was corrected where. The corrections did not result in a threshold exceedance.

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

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

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

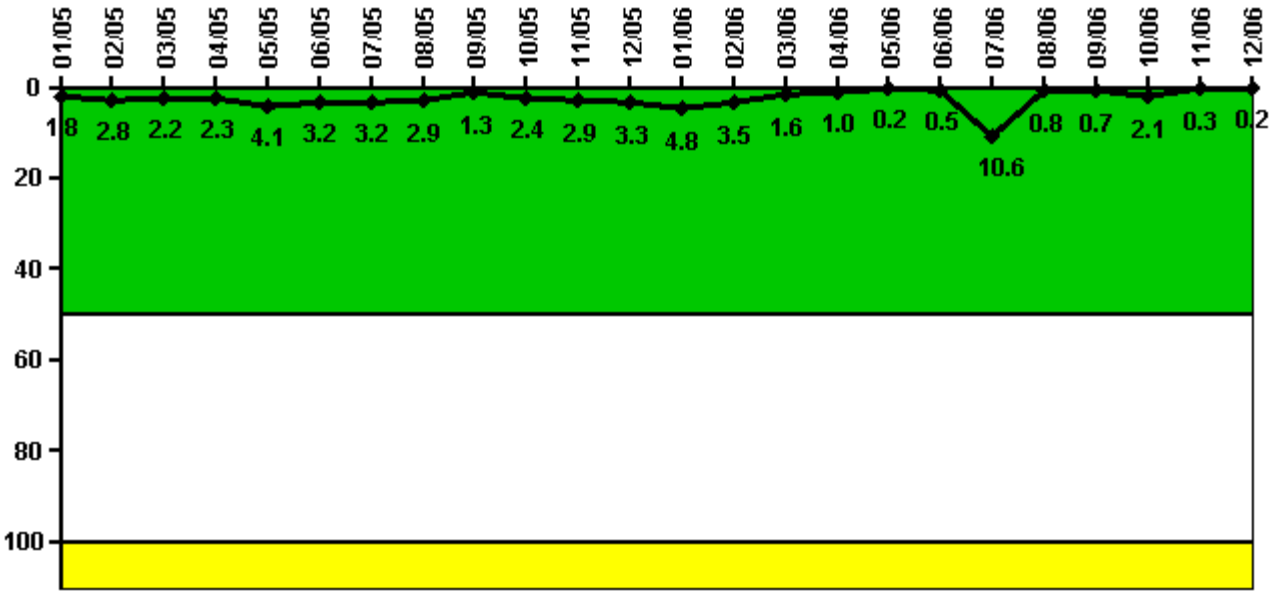
Notes

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	0.009100	0.009450	0.009580	0.020300	0.004560	0.005440	0.005700	0.005500	0.005410	0.006220	0.005770	0.006120
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**	**2.0**	**0.5**	**0.5**	**0.6**	**0.6**	**0.5**	**0.6**	**0.6**	**0.6**

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	0.006190	0.006460	0.006470	0.006670	0.007270	0.007110	0.007140	0.007520	0.014800	0.015000	0.002520	0.002840
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	**0.6**	**0.6**	**0.6**	**0.7**	**0.7**	**0.7**	**0.7**	**0.8**	**1.5**	**1.5**	**0.3**	**0.3**

Licensee Comments: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

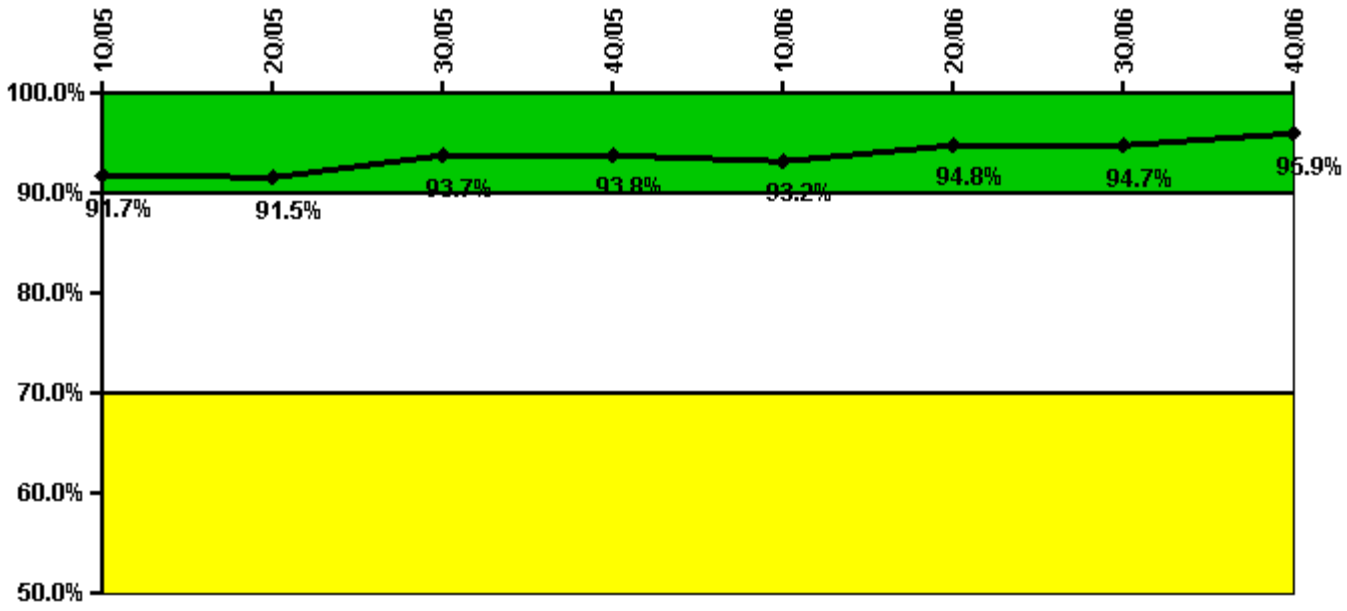
Notes

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	0.183	0.279	0.217	0.234	0.407	0.322	0.316	0.289	0.130	0.241	0.285	0.325
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	**1.8**	**2.8**	**2.2**	**2.3**	**4.1**	**3.2**	**3.2**	**2.9**	**1.3**	**2.4**	**2.9**	**3.3**

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	0.477	0.347	0.162	0.095	0.019	0.050	1.055	0.084	0.073	0.210	0.025	0.024
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	**4.8**	**3.5**	**1.6**	**1.0**	**0.2**	**0.5**	**10.6**	**0.8**	**0.7**	**2.1**	**0.3**	**0.2**

Licensee Comments: none

Drill/Exercise Performance



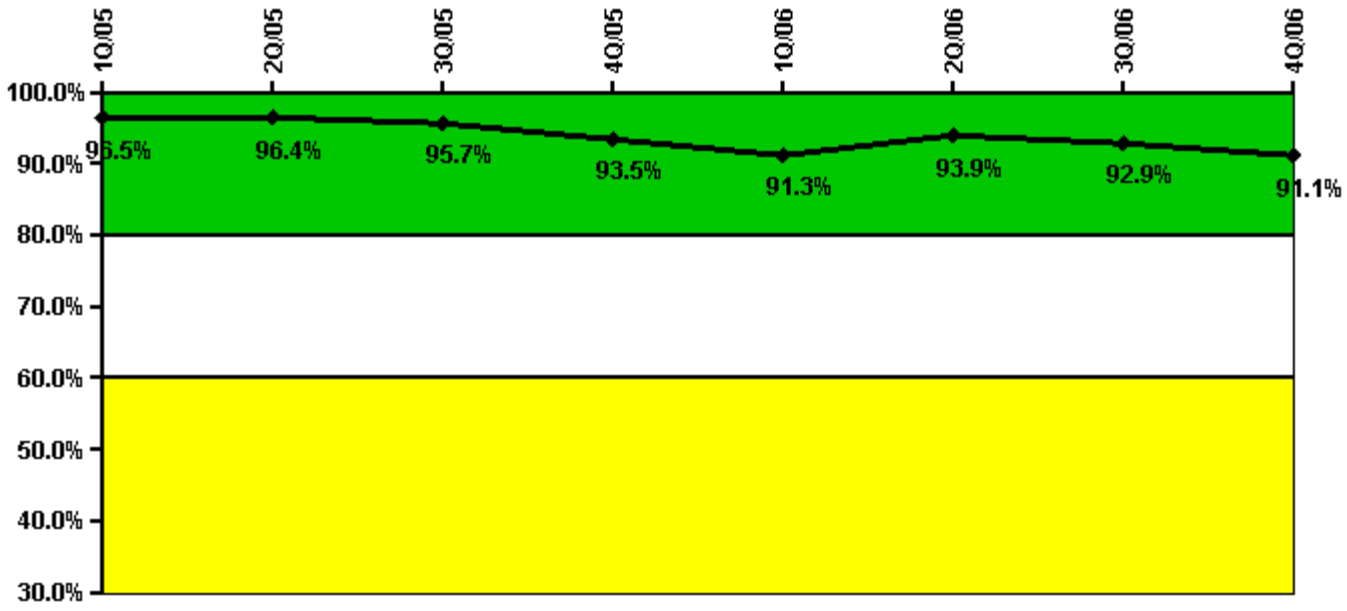
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
Successful opportunities	30.0	26.0	67.0	0	17.0	31.0	64.0	0
Total opportunities	30.0	27.0	67.0	0	19.0	32.0	70.0	0
Indicator value	**91.7%**	**91.5%**	**93.7%**	**93.8%**	**93.2%**	**94.8%**	**94.7%**	**95.9%**

Licensee Comments: none

ERO Drill Participation



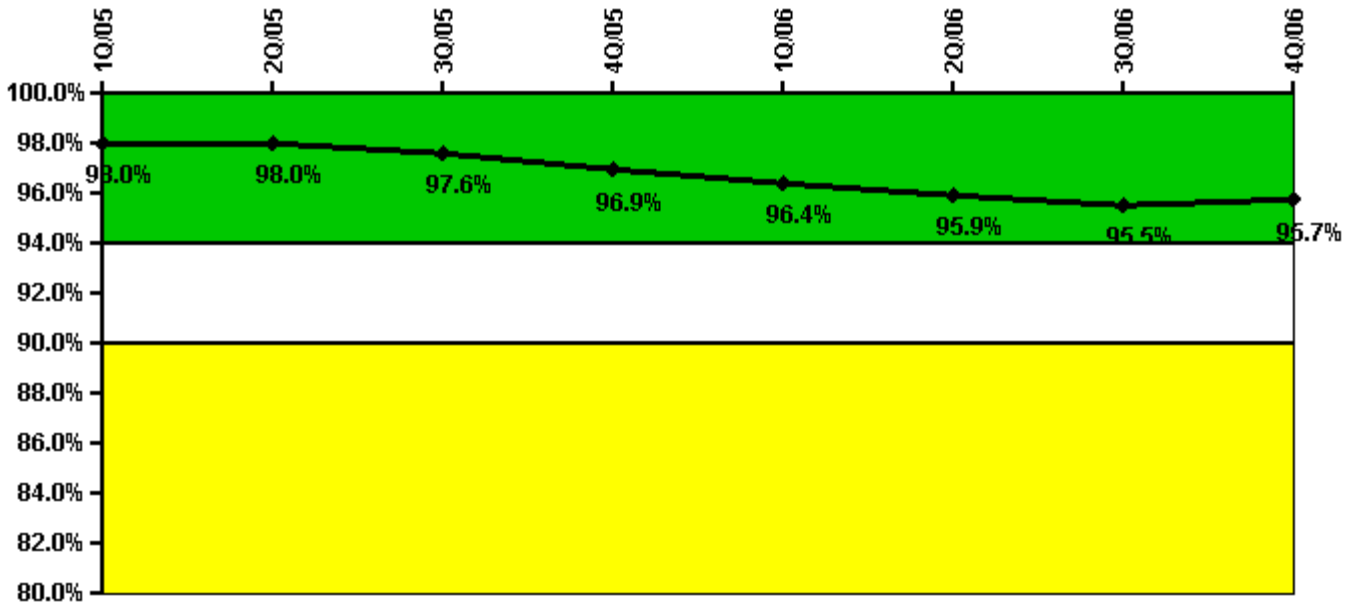
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
Participating Key personnel	136.0	132.0	132.0	130.0	136.0	138.0	143.0	133.0
Total Key personnel	141.0	137.0	138.0	139.0	149.0	147.0	154.0	146.0
Indicator value	**96.5%**	**96.4%**	**95.7%**	**93.5%**	**91.3%**	**93.9%**	**92.9%**	**91.1%**

Licensee Comments: none

Alert & Notification System



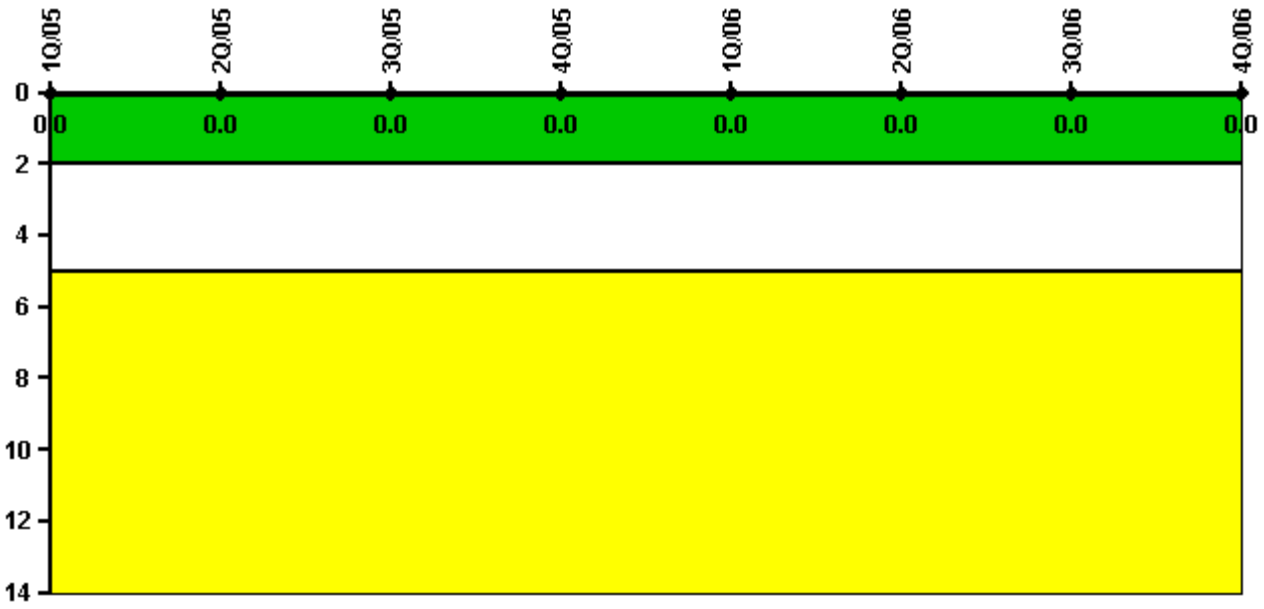
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06
Successful siren-tests	312	312	456	306	306	304	450	310
Total sirens-tests	318	318	477	318	318	318	477	318
Indicator value	**98.0%**	**98.0%**	**97.6%**	**96.9%**	**96.4%**	**95.9%**	**95.5%**	**95.7%**

Licensee Comments: none

Occupational Exposure Control Effectiveness



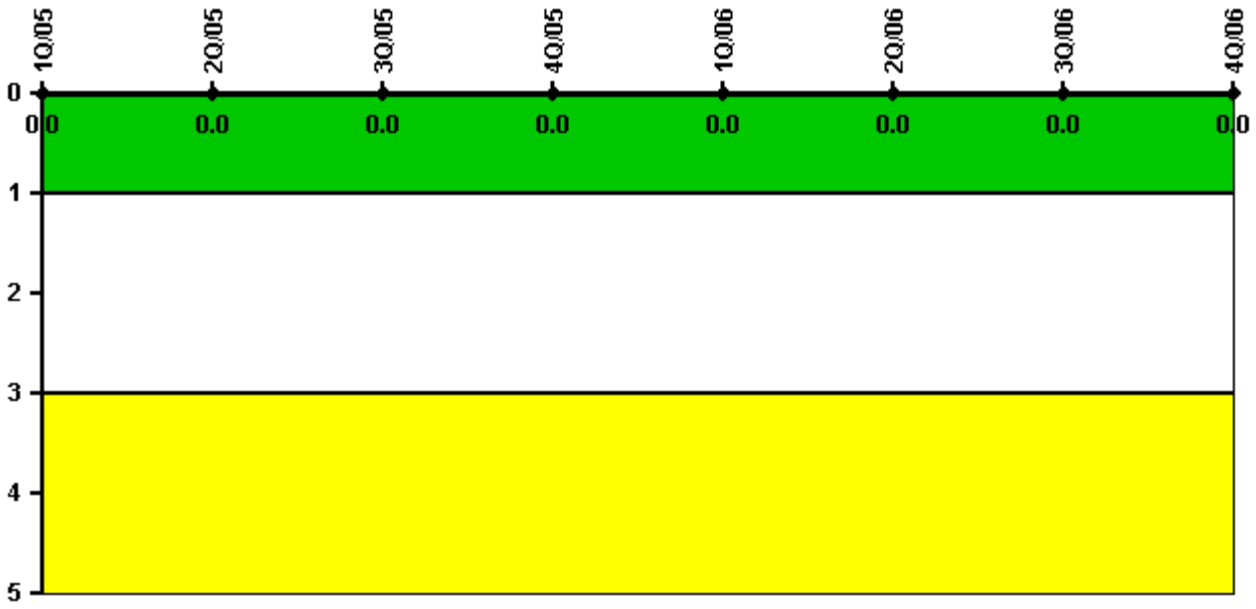
Thresholds: White > 2.0 Yellow > 5.0

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.

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

Last Modified: February 7, 2007