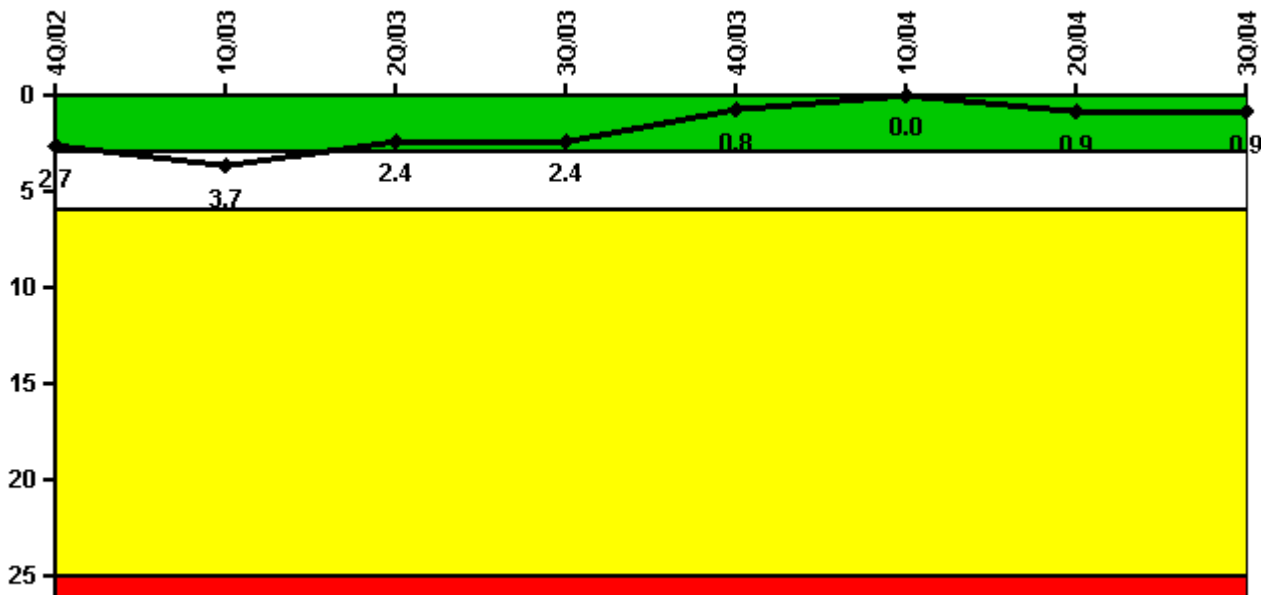


San Onofre 2

3Q/2004 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



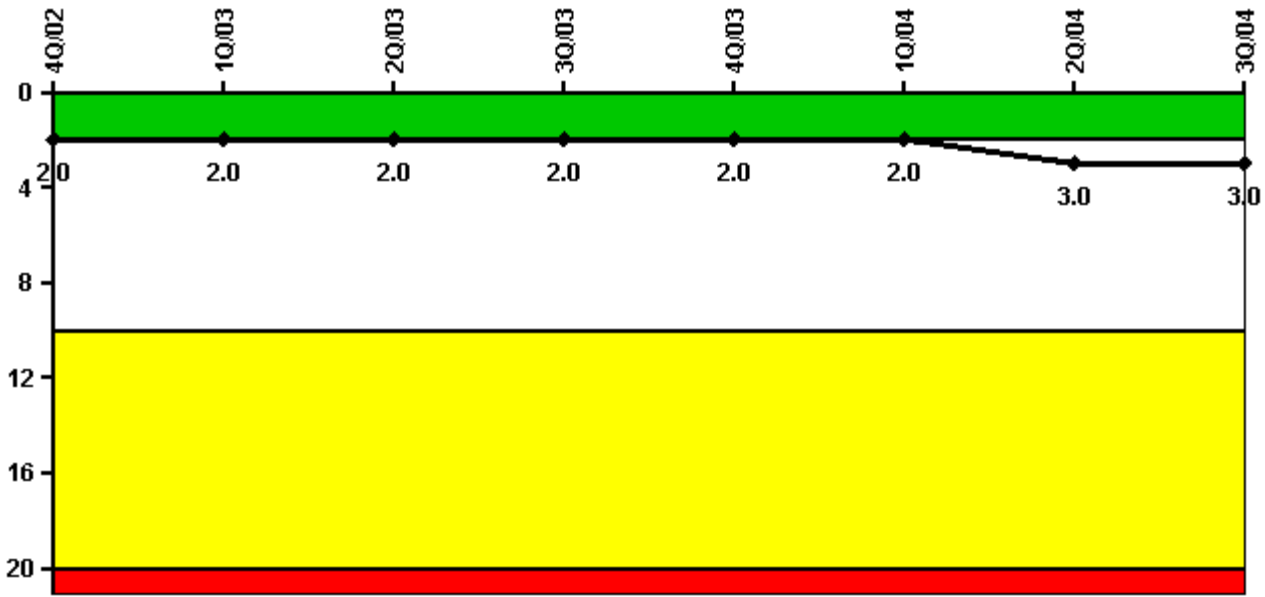
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Unplanned scrams	2.0	1.0	0	0	0	0	1.0	0
Critical hours	2124.1	2147.1	2139.7	2208.0	2209.0	977.7	2091.9	2208.0
Indicator value	2.7	3.7	2.4	2.4	0.8	0	0.9	0.9

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



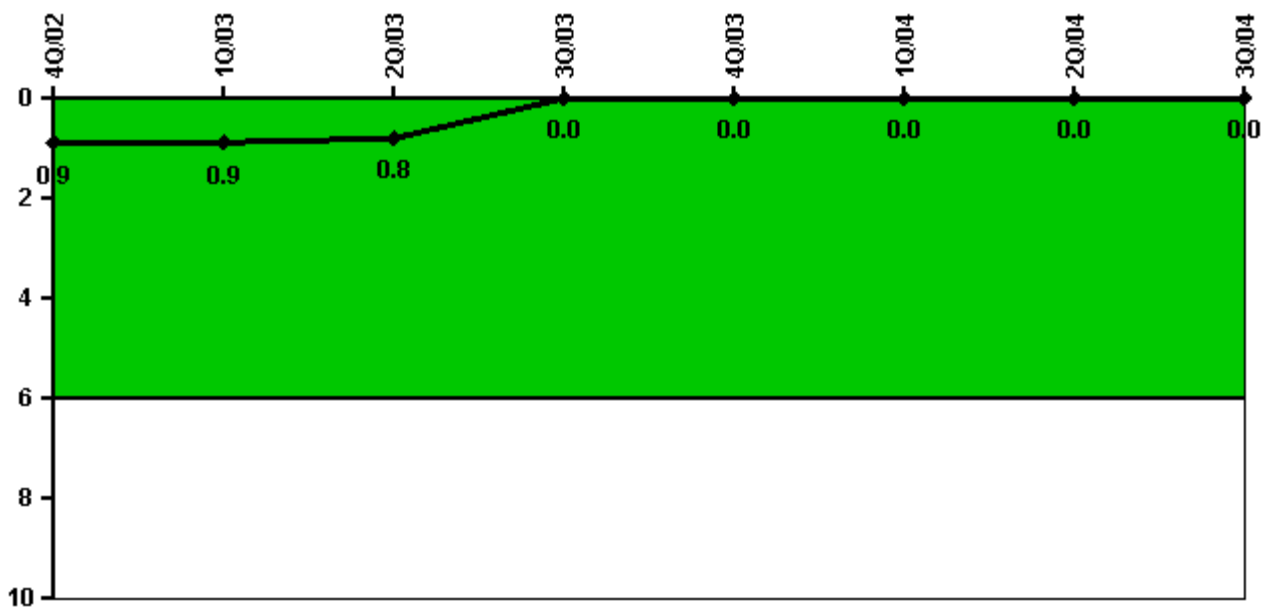
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Scrams	1.0	0	0	0	0	0	1.0	0
Indicator value	2.0	2.0	2.0	2.0	2.0	2.0	3.0	3.0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



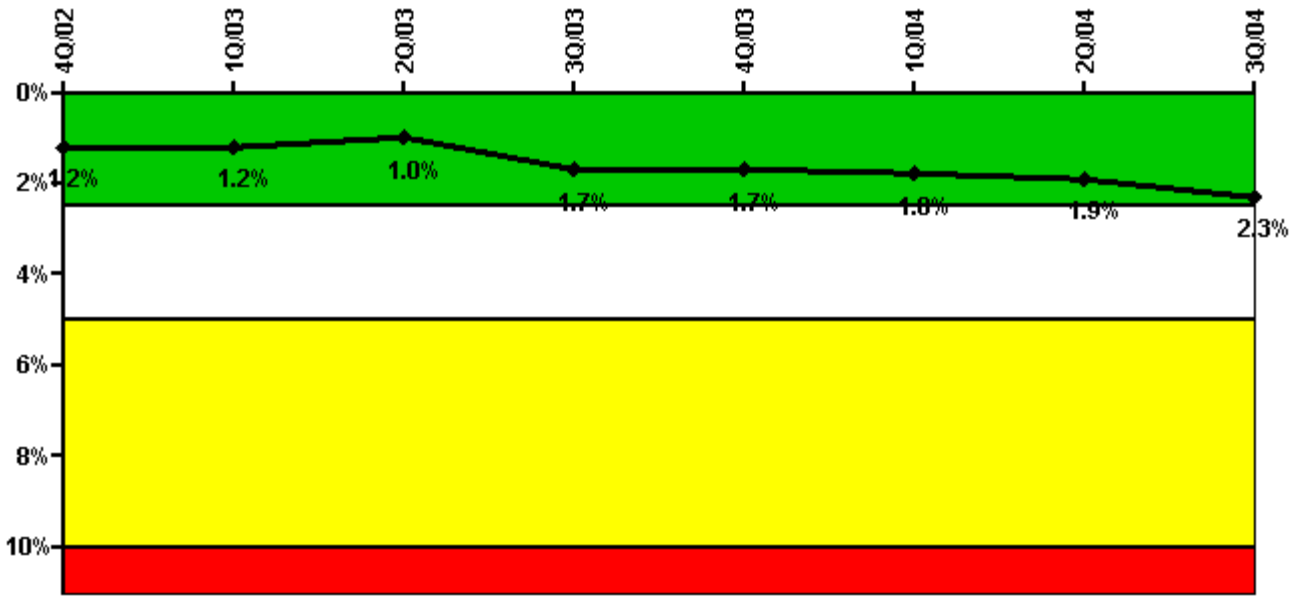
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2124.1	2147.1	2139.7	2208.0	2209.0	977.7	2091.9	2208.0
Indicator value	0.9	0.9	0.8	0	0	0	0	0

Licensee Comments: none

Safety System Unavailability, Emergency AC Power



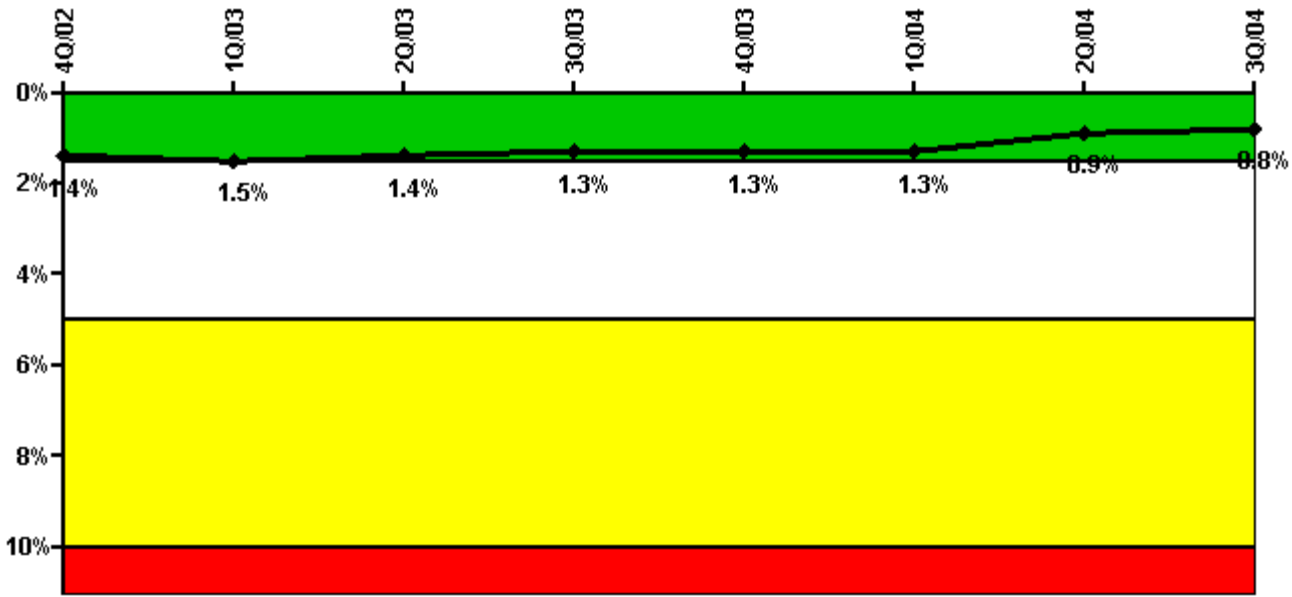
Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Emergency AC Power	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Train 1								
Planned unavailable hours	27.82	1.72	2.22	177.12	25.38	48.96	1.85	74.40
Unplanned unavailable hours	0	0	0	83.65	0	16.35	39.33	2.20
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2160.00	2183.00	2208.00	2209.00	2184.00	2183.00	2208.00
Train 2								
Planned unavailable hours	51.80	2.35	1.02	162.57	64.04	3.82	3.13	172.55
Unplanned unavailable hours	0	0	0	35.58	0	10.72	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2160.00	2183.00	2208.00	2209.00	2184.00	2183.00	2208.00
Indicator value	1.2%	1.2%	1.0%	1.7%	1.7%	1.8%	1.9%	2.3%

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)



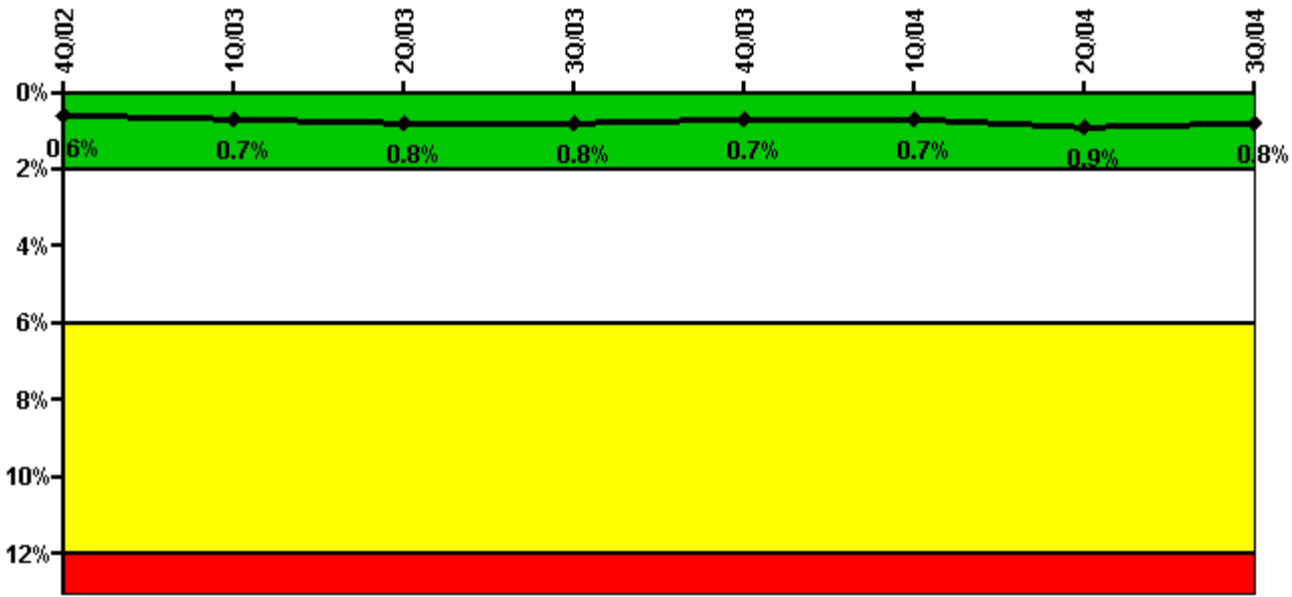
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Train 1								
Planned unavailable hours	10.38	0.25	28.48	0.30	2.35	0.17	2.69	36.90
Unplanned unavailable hours	0	16.85	0	0	3.50	1.53	1.57	17.80
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2124.09	2147.08	2139.68	2208.00	2209.00	977.73	2091.88	2208.00
Train 2								
Planned unavailable hours	13.40	29.24	3.33	1.58	19.43	2.05	2.32	4.20
Unplanned unavailable hours	5.53	1.67	1.82	0	0	1.13	0	13.65
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2124.09	2147.08	2139.68	2208.00	2209.00	977.73	2091.88	2208.00
Indicator value	1.4%	1.5%	1.4%	1.3%	1.3%	1.3%	0.9%	0.8%

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)



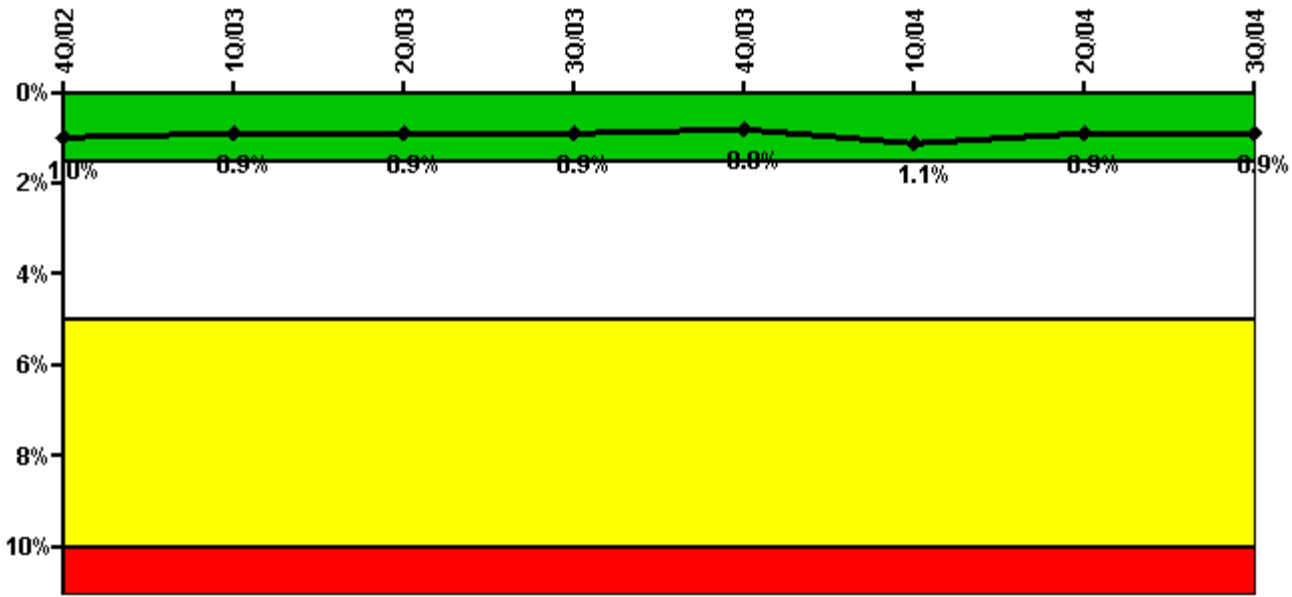
Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

Notes

Safety System Unavailability, Heat Removal System (AFW)	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Train 1								
Planned unavailable hours	1.42	0.50	30.00	13.58	0.70	0.55	17.33	50.06
Unplanned unavailable hours	0	0	0	0	0	0	39.02	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2124.09	2147.08	2139.68	2208.00	2209.00	977.73	2091.88	2208.00
Train 2								
Planned unavailable hours	23.75	0	17.80	11.15	15.15	0.95	0.42	9.09
Unplanned unavailable hours	0	65.25	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2124.09	2147.08	2139.68	2208.00	2209.00	977.73	2091.88	2208.00
Train 3								
Planned unavailable hours	0.25	0.77	37.92	17.07	0	15.42	43.35	0.62
Unplanned unavailable hours	0	0	0	0	0	0	14.58	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2124.09	2147.08	2139.68	2208.00	2209.00	977.73	2091.88	2208.00
Indicator value	0.6%	0.7%	0.8%	0.8%	0.7%	0.7%	0.9%	0.8%

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System



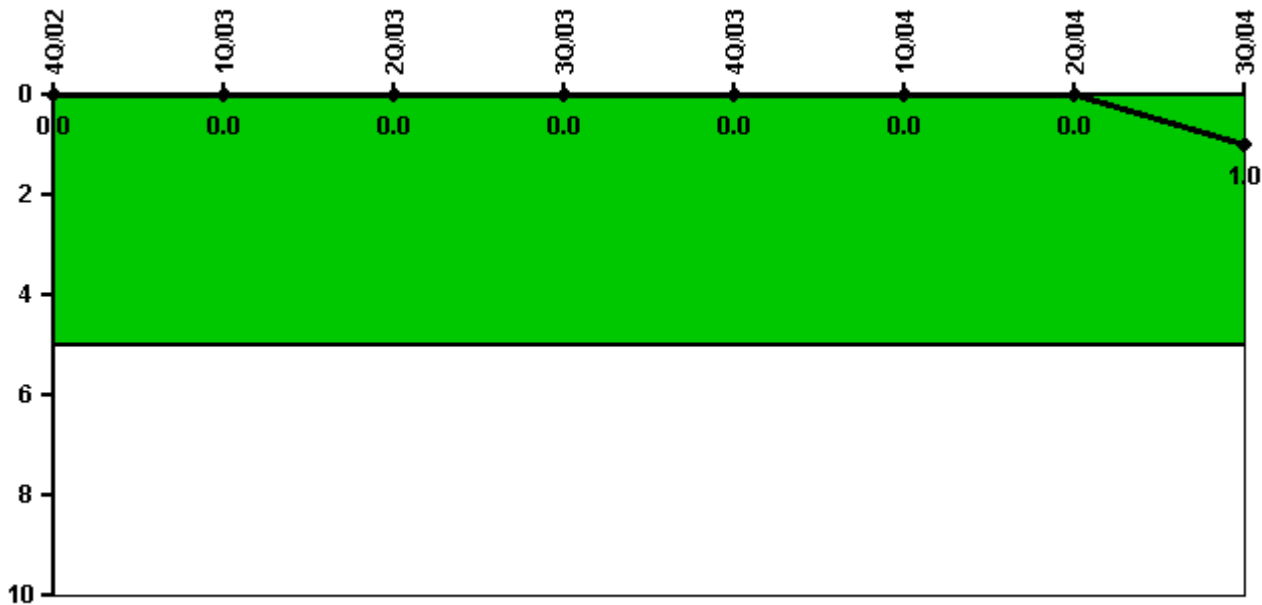
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Train 1								
Planned unavailable hours	12.65	0.25	25.45	8.88	2.30	0.17	12.39	58.75
Unplanned unavailable hours	0	16.85	0	0	3.50	1.53	1.57	17.80
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2160.00	2157.05	2208.00	2209.00	1042.69	2144.47	2208.00
Train 2								
Planned unavailable hours	3.35	38.47	20.77	19.20	19.43	1.00	2.62	13.22
Unplanned unavailable hours	4.78	1.67	1.82	0	0	1.13	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2160.00	2157.05	2208.00	2209.00	1042.69	2144.47	2208.00
Train 3								
Planned unavailable hours	0	0	0	0	0	22.25	0	0
Unplanned unavailable hours	0	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	0	0	25.95	0	0	1141.31	38.53	0
Train 4								
Planned unavailable hours	0	0	0	0	0	0	0	0
Unplanned unavailable hours	0	0	0	0	0	0	0.67	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	0	0	25.95	0	0	1141.31	38.53	0
Indicator value	1.0%	0.9%	0.9%	0.9%	0.8%	1.1%	0.9%	0.9%

Licensee Comments: none

Safety System Functional Failures (PWR)



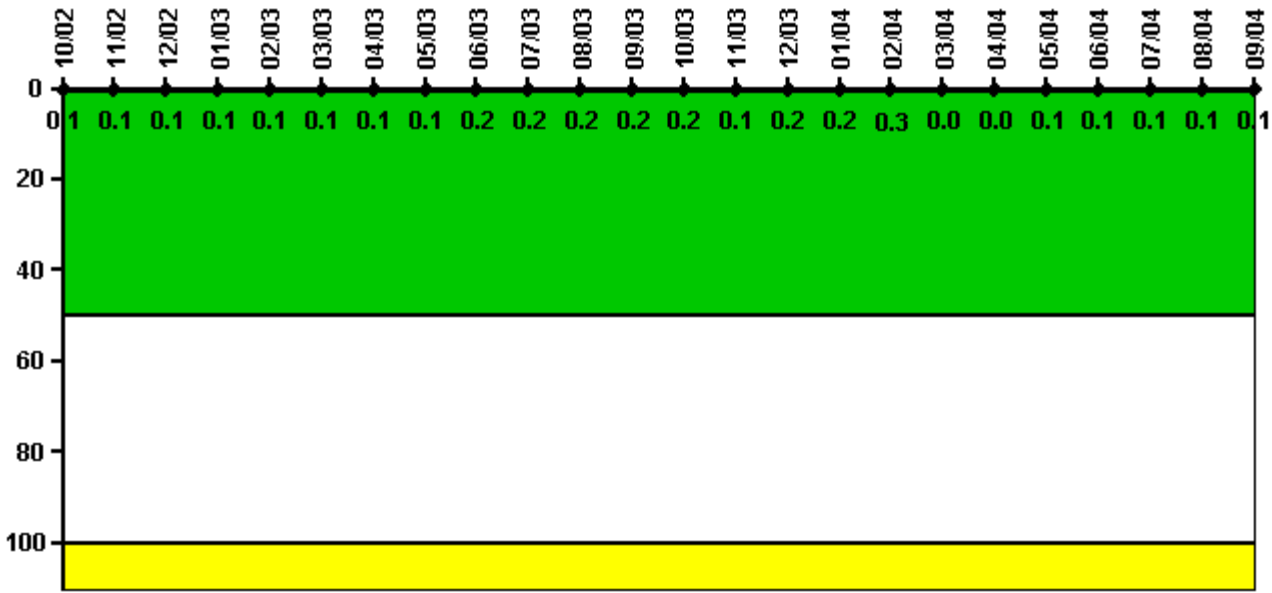
Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Safety System Functional Failures	0	0	0	0	0	0	0	1
Indicator value	0	0	0	0	0	0	0	1

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

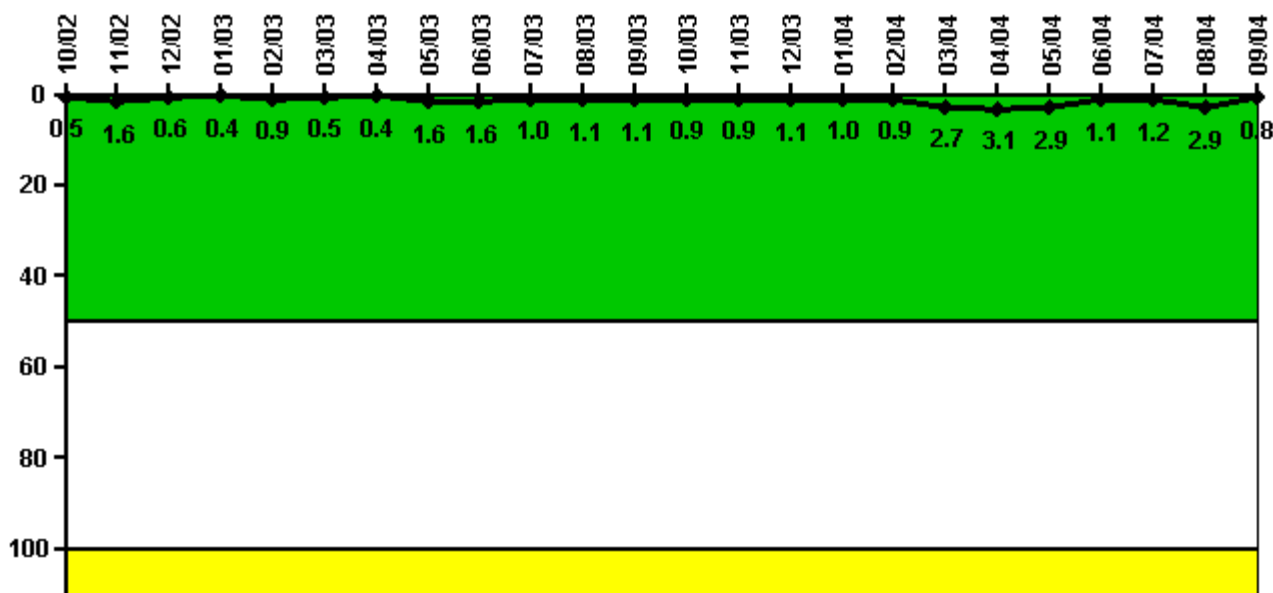
Notes

Reactor Coolant System Activity	10/02	11/02	12/02	1/03	2/03	3/03	4/03	5/03	6/03	7/03	8/03	9/03
Maximum activity	0.001000	0.001000	0.001000	0.001000	0.001000	0.001000	0.001000	0.001000	0.002000	0.002000	0.002000	0.002000
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	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2

Reactor Coolant System Activity	10/03	11/03	12/03	1/04	2/04	3/04	4/04	5/04	6/04	7/04	8/04	9/04
Maximum activity	0.001500	0.001480	0.001500	0.001500	0.003270	0	0.000427	0.000503	0.000524	0.000523	0.000529	0.000622
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	0.2	0.1	0.2	0.2	0.3	0	0	0.1	0.1	0.1	0.1	0.1

Licensee Comments: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

Notes

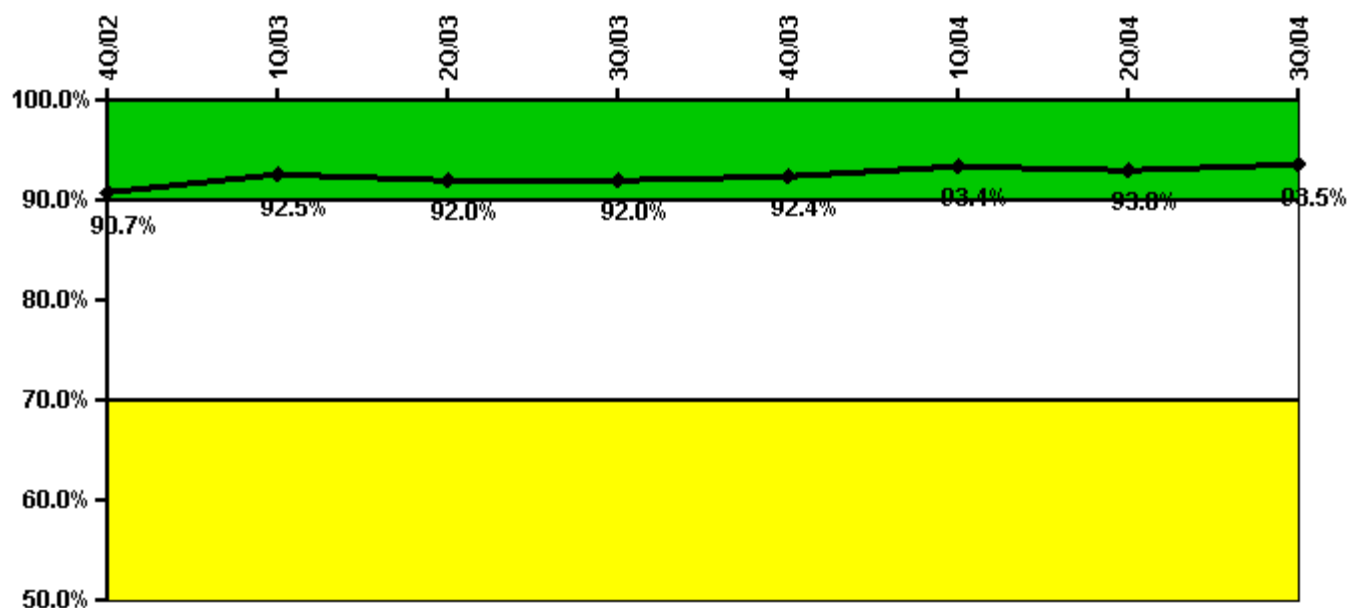
Reactor Coolant System Leakage	10/02	11/02	12/02	1/03	2/03	3/03	4/03	5/03	6/03	7/03	8/03	9/03
Maximum leakage	0.050	0.160	0.060	0.040	0.090	0.050	0.040	0.160	0.160	0.100	0.110	0.110
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.5	1.6	0.6	0.4	0.9	0.5	0.4	1.6	1.6	1.0	1.1	1.1

Reactor Coolant System Leakage	10/03	11/03	12/03	1/04	2/04	3/04	4/04	5/04	6/04	7/04	8/04	9/04
Maximum leakage	0.090	0.090	0.110	0.100	0.090	0.270	0.310	0.290	0.110	0.120	0.290	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	0.9	0.9	1.1	1.0	0.9	2.7	3.1	2.9	1.1	1.2	2.9	0.8

Licensee Comments:

9/04: Effective May 2003 the RCS Leakage being recorded is RCS TOTAL leakage versus RCS IDENTIFIED leakage. RCS Identified Leakage is generated only when RCS Total Leakage exceeds 1 GPM.

Drill/Exercise Performance



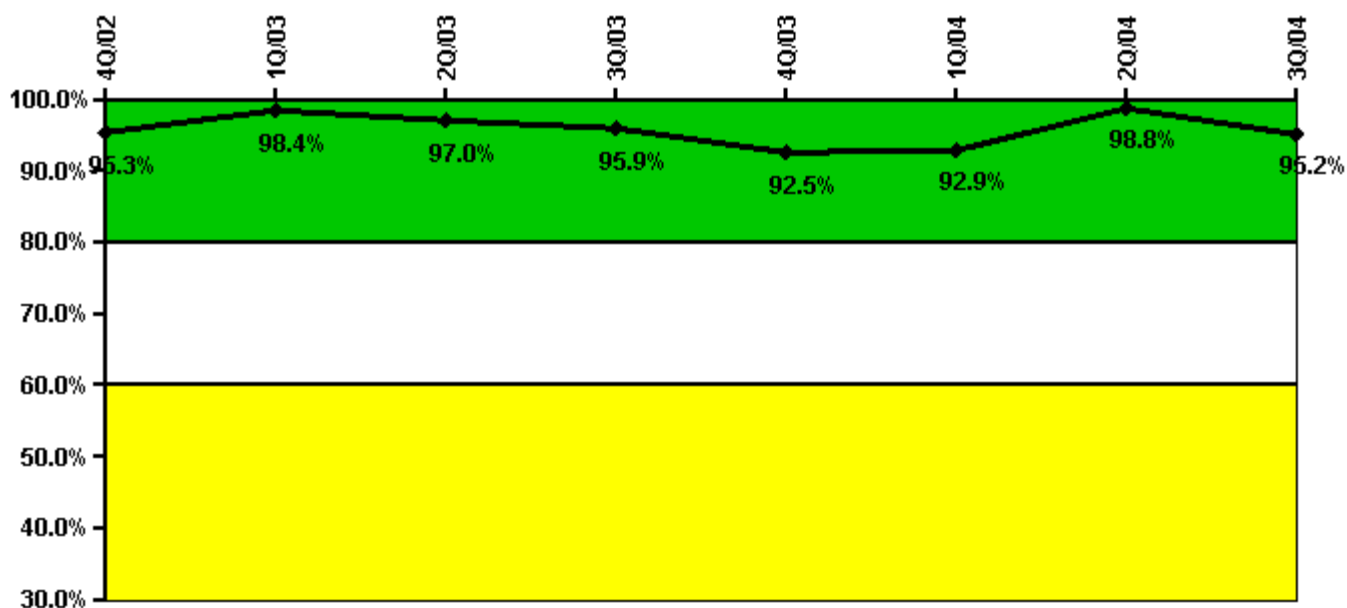
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Successful opportunities	11.0	43.0	48.0	19.0	9.0	0	42.0	0
Total opportunities	14.0	44.0	51.0	20.0	9.0	0	46.0	0
Indicator value	90.7%	92.5%	92.0%	92.0%	92.4%	93.4%	93.0%	93.5%

Licensee Comments: none

ERO Drill Participation



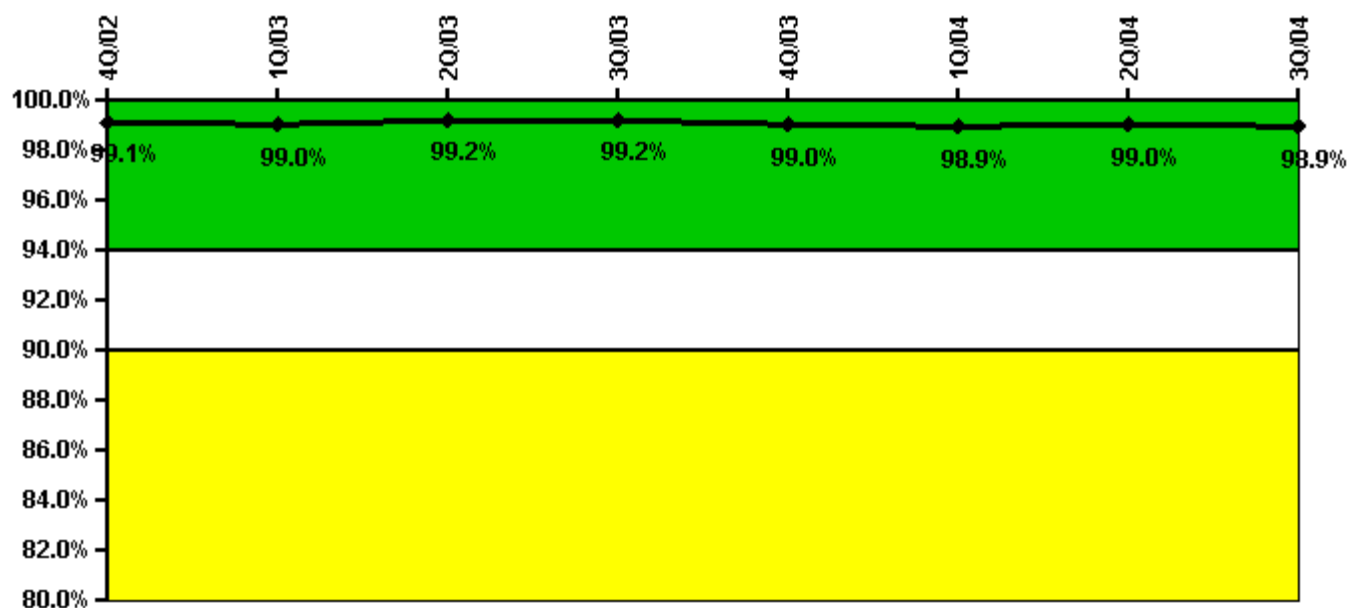
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Participating Key personnel	61.0	63.0	65.0	70.0	74.0	78.0	83.0	80.0
Total Key personnel	64.0	64.0	67.0	73.0	80.0	84.0	84.0	84.0
Indicator value	95.3%	98.4%	97.0%	95.9%	92.5%	92.9%	98.8%	95.2%

Licensee Comments: none

Alert & Notification System



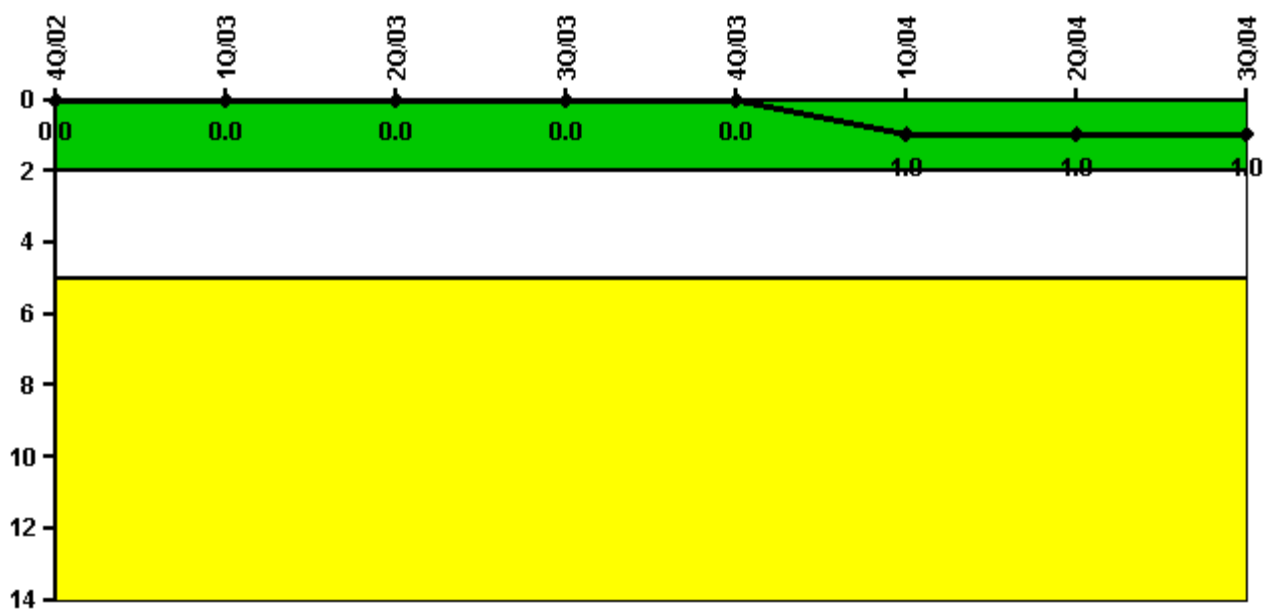
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Successful siren-tests	488	340	341	386	486	338	342	385
Total sirens-tests	490	343	343	392	490	343	343	392
Indicator value	99.1%	99.0%	99.2%	99.2%	99.0%	98.9%	99.0%	98.9%

Licensee Comments: none

Occupational Exposure Control Effectiveness



Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
High radiation area occurrences	0	0	0	0	0	1	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	1	1	1

Licensee Comments: none

RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
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.