May 12, 2000

TO: Document Control Desk

FROM: Vanette Weaver, RII
Document Liaison Officer

Please scan the attached color document, place it into the Reg II-Docs Completed by HQ DPC. Please return the hard copy to Region II Document Processing Center via Federal Express within 24 hours.

Thanks

April 13, 2000

TO:

Bill McCollum	Bill Foster	Jeff Forbes
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Tom Curtis	Glenda Johns	Dean Hubbard
Lenny Azzarello	Lanny Wilkie	Jim Twiggs
Bryon Norris	Bob Medlin	Charlie Boyd
Tom Coutu	Linda Smith (EC05P) + 6 copies	

SUBJECT: Oconee Nuclear Performance Measures Report

FROM: Tommy Hartis

Attached please find the March, 2000 Oconee Nuclear Performance Measures Report.

Please let me know if you have questions, concerns, need additional information or need additional copies of the report.

/sy

xc: ONS Business Mgt. File

A001

Oconee Nuclear Station
Performance Measures Report

March 2000

Compiled and Published by:
Oconee Site Business Management Group

Contacts:

Tommy Hartis (TEH9450) 885-4694
Linda Turpin (LDT8274) 885-5190

ONS Performance Measures
March 2000

Indicators of Success
- Top Quartile in Nuclear Safety as measured by NRC and INPO
- Top Quartile in Capacity Factor
- Top 10 in Production Cost
- Top Decile in Industrial Safety

Corporate Measures

DUKE ENERGY EARNINGS / SHARE $	NUCLEAR GENERATION $ E.B.I.T.

Nuclear Safety

1 INPO RATING (Foster)	
2 PERFORMANCE INDICATOR INDEX $ (Forbes)	3 NUCLEAR SYSTEM EVENTS $ (Foster)
4 NUCLEAR SAFETY INDEX (Forbes)	5 INDUSTRIAL SAFETY INDEX $ (Foster)
6 RADIATION EXPOSURE (Forbes)	7 RADIATION RELEASES (Forbes)
8 REACTOR CORE SAFETY (Forbes)	9 ENVIRONMENTAL INDEX (Foster)
10 HUMAN PERFORMANCE INDEX (Rose)	11 CONFIGURATION MANAGEMENT (Nazar)
12 SELF ASSESSMENT PROGRAM (Foster)	13 CORRECTIVE ACTION PROGRAM (Foster)

Other Performance Data

- REGULATORY HEALTH	(Nicholson)	pg. 14
- TRAINING TRENDS	(Jones)	pg. 15
- HUMAN PERF. TRENDS	(Forbes)	pg. 16

Production

17 EFFECTIVE FULL-POWER DAYS $ (Forbes)	18 NUCLEAR GENER. MARKET MEASURE (Forbes)

Other Performance Data

- PRODUCTION HISTORY	(Forbes)	pg 19
- EQUIPMENT RELIABILITY	(Curtis)	pg 20
- RISK ASSESSMENT	(Nazar)	pg 21
- OUTAGE IMPROVEMENT	(Boyd)	pg 22

Competitive Positioning

23 PRODUCTION COST PER NET KWH $ (Martin)	24 NON FUEL O&M BUDGET (Martin)
25 CAPITAL BUDGET (Martin)	26 SYSTEM INVENTORY LEVEL (Sites)
27 PROJECTS (Martin)	

Other Performance Data

- WORK PROCESS MEASURES	(Boyd)	pg 28
- MOD. EFFECTIVENESS	(Hubbard)	pg 29
- ENGR. WORK MGMT.	(Edge)	pg 30

KEY:

Red	- Not Meeting Expectations
Yellow	- Needs Improvement
Green	- Meeting Expectations
Gray	- Currently Unreported

Quarterly Status YTD → 1Q 2Q 3Q 4Q

Current Status → MEASURE (Owner)

$ - Represents Site Incentive Goal

OCONEE IMPROVEMENT FOCUS AREAS

HUMAN PERFORMANCE (MCCOLLUM)	SELF ASSESSMENT (FOSTER)	DESIGN BASIS (NAZAR)
SYSTEM EQUIPMENT RELIABILITY (NAZAR)	OPERATIONAL FOCUS (FORBES)	
FINANCIAL MANAGEMENT (MARTIN)		

C-1

ONS Improvement Plan Focus Area Annunciator Panel

March 2000

Nuclear Safety

HUMAN PERFORMANCE — McCOLLUM

- Organization Performance & Effectiveness — Rose
- Training Effectiveness — Jones
- Rad Work Practices And Safety — Twiggs

SELF ASSESSMENT — FOSTER

- Timeliness And Effectiveness of Corrective Actions — Bond
- Self Assessments And Benchmarking — Foster

DESIGN BASIS — NAZAR

- Design Basis Clarification — Azzarello
- Plant Configuration — Coutu
- Configuration Management — Hubbard

Production

SYSTEM EQUIPMENT RELIABILITY — NAZAR

- System/Equipment Reliability Improvement — Curtis
- Risk Assessment Model — Little & Medlin
- Quality of Maintenance — Medlin

OPERATIONAL FOCUS — FORBES

- Innage Planning & Execution — Boyd
- Outage Planning & Execution — Boyd
- Procedure Quality — Coutu

Competitive Positioning

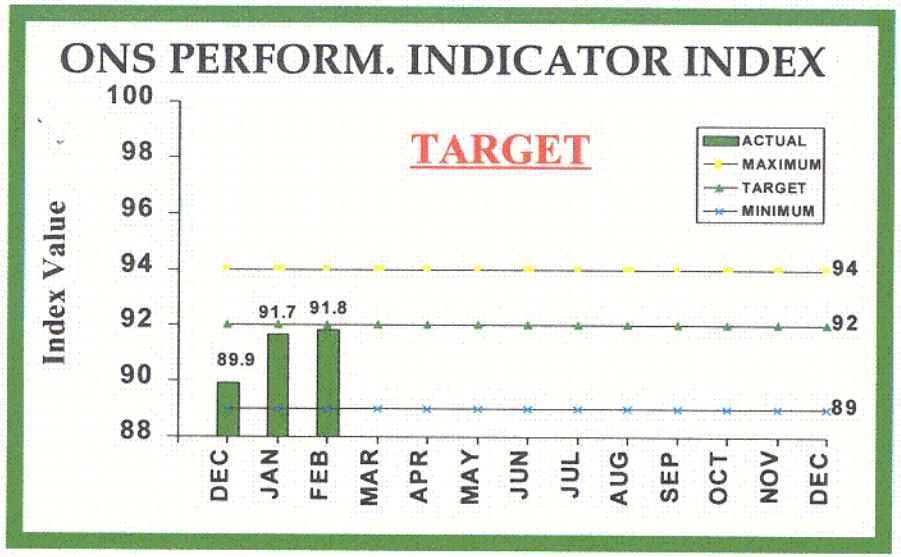
FINANCIAL MANAGEMENT — MARTIN

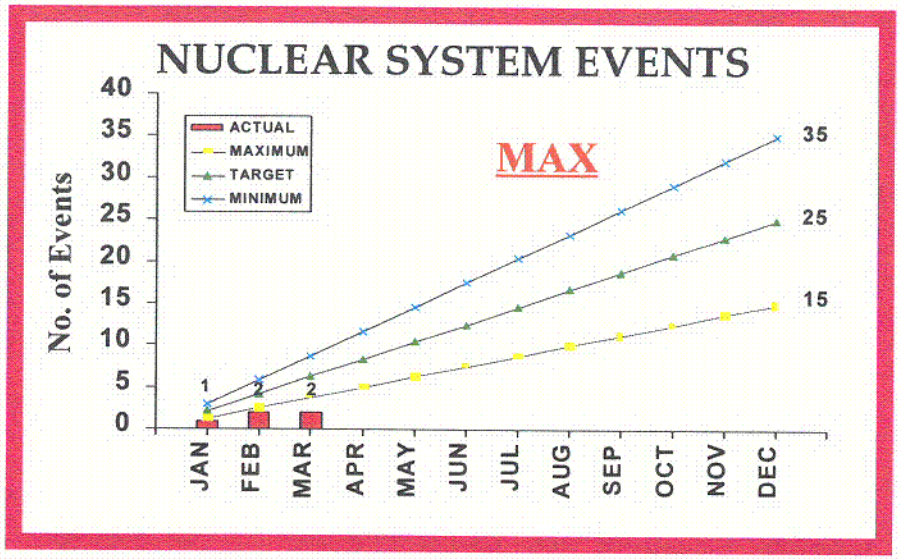
- Financial Performance — Martin
- Engineering Work Management — Edge
- NSM Effectiveness — Hubbard

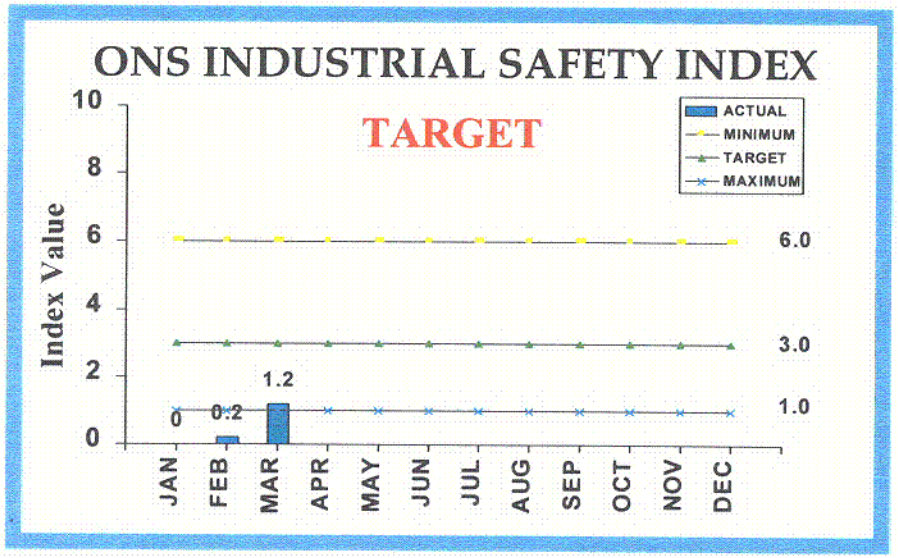
C-2

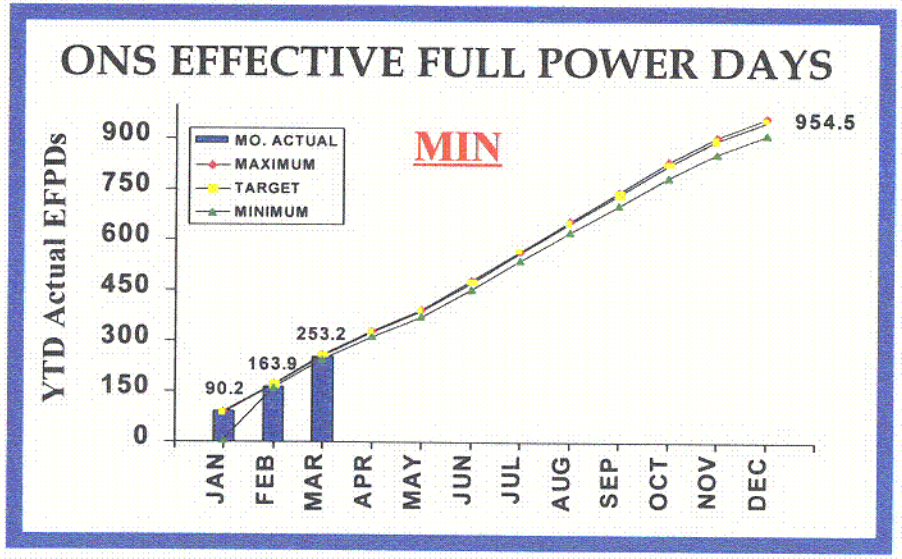
Oconee Nuclear Station

2000 Site Incentive Goals





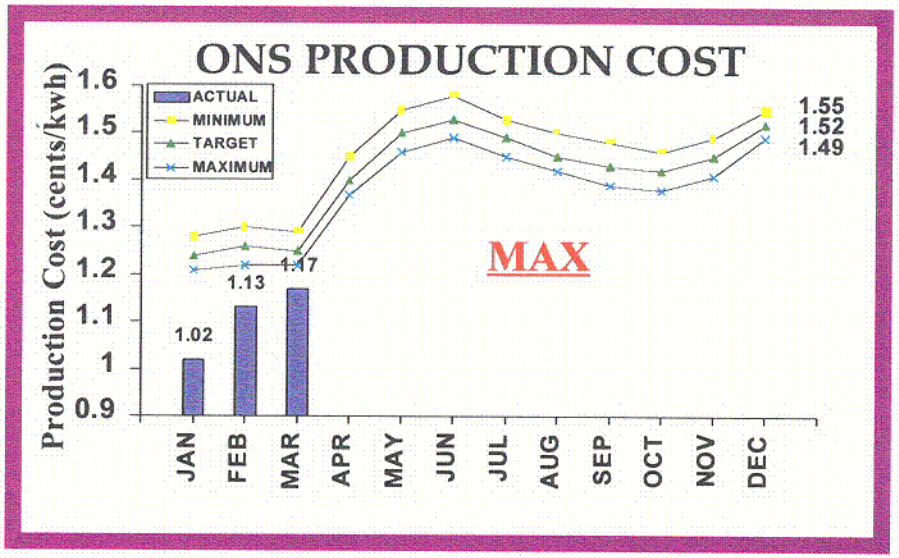


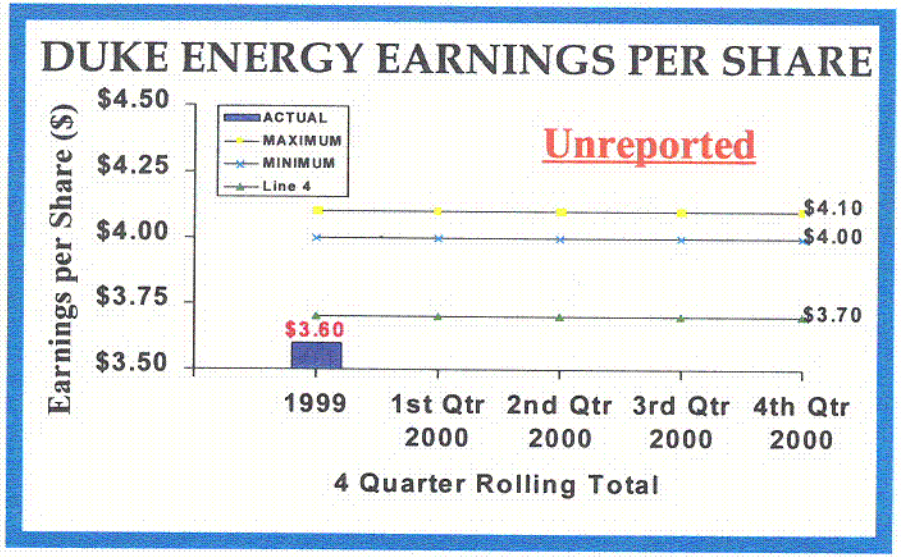


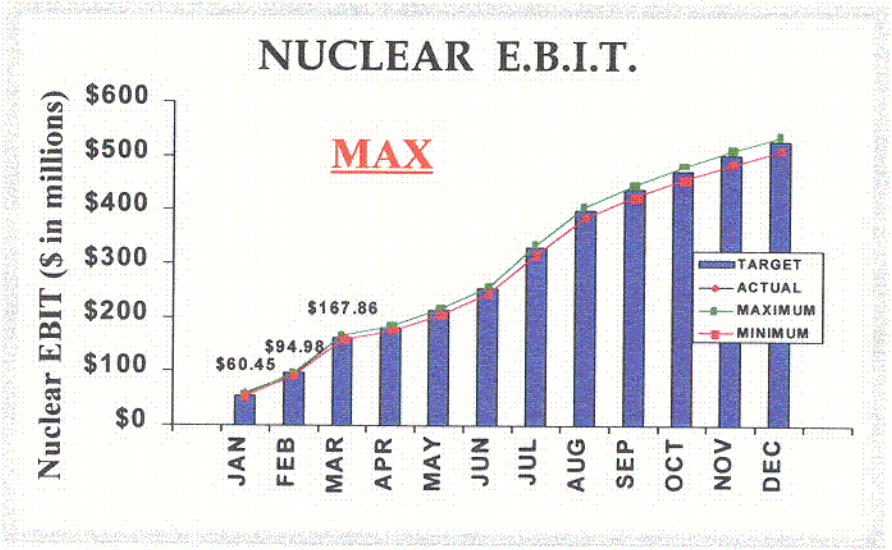
C-3

Oconee Nuclear Station

2000 Site Incentive Goals







C-4

Oconee Nuclear Site
NRC Performance Indicators Annunciator Panel
4th Quarter 1999

#	NRC Performance Indicator	Unit 1	Unit 2	Unit 3
	Initiating Events:			
IE-1	Unplanned Scrams Per 7000 Critical Hours (automatic & manual during previous 4 quarters)	1.9	3.7	0
IE-2	Scrams with a Loss of Normal Heat Removal (over the previous 12 quarters)	0	0	0
IE-3	Unplanned Power Reductions (Transients) per 7000 Critical Hours (over previous 4 quarters)	3.7	0.9	2.4
	Mitigating Systems:			
MS-1	Safety System Unavailability (SSU) - Emergency Power (average of previous 12 Quarters)	1.7%	1.9%	1.4%
MS-2	Safety System Unavailability (SSU) - High Pressure Safety Injection (average of previous 12 Quarters)	0.4%	0.3%	2.6%
MS-3	Safety System Unavailability (SSU) - Auxiliary Feedwater (average of previous 12 Quarters)	0.2%	0.3%	0.4%
MS-4	Safety System Unavailability (SSU) - Residual Heat Removal (average of previous 12 Quarters)	1.2%	0.9%	0.8%
MS-5	Safety System Functional Failures (over previous 4 Quarters)	0	0	1
	Barrier Integrity:			
BI-1	Reactor Coolant System (RCS) Specific Activity (maximum monthly values, % of Tech. Spec. Limit, during previous 4 Qtrs.)	0.6%	0.6%	0.6%
BI-2	RCS Identified Leak Rate (maximum monthly values, % of Tech. Spec. Limit, during previous 4 Qtrs.)	3.0%	0.0%	0.0%
	Emergency Preparedness:			
EP-1	Drill/Exercise Performance (over previous 8 Qtrs.)	97%	95%	95%
EP-2	ERO Drill Participation (% of Key ERO personnel that participated in a drill or exercise in the previous 8 quarters)	96%	96%	96%
EP-3	Alert & Notification System Reliability (% reliability during previous 4 quarters)	97.6%	96.4%	96.4%
	Occupational Radiation Safety:			
OR-1	Occupational Exposure Control Effectiveness (occurrences during previous 12 Qtrs.)	0	0	1
	Public Radiation Safety:			
PR-1	RETS/ODCM Radiological Effluent Occurrence (occurrences during previous 4 Qtrs.)	0	0	0
	Physical Protection:			
PP-1	Protected Area Security Equipment Performance Index (over a 4 quarter period)	0.02	0.02	0.02
PP-2	Personnel Screening Program Performance (reportable events during previous 4 Qtrs.)	0	0	0
PP-3	Fitness-For-Duty (FFD)/Personnel Reliability Program Performance (reportable events during previous 4 Qtrs.)	0	0	0

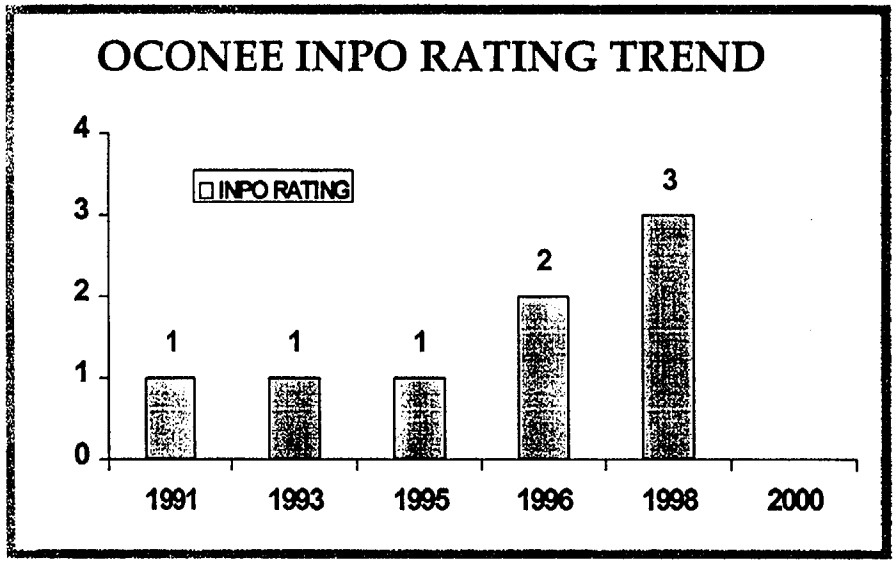
NRC Color Codes:
Acceptable Performance
Increased Regulatory Response
Required Regulatory Response
Unacceptable Performance

C-5

Nuclear Safety

INPO RATING

(RED)



DEFINITION:
The INPO rating is determined through INPO's Evaluation and Assistance (E&A) program. These evaluations, performed every 12 - 24 months assess performance in eight areas: Organization and Administration, Operations, Maintenance, Engineering Support Training and Qualification, Radiation Protection, Chemistry and Operating Experience. These evaluations assess performance of personnel, systems, components, programs/procedures and management effectiveness.

2000 MEASURES SUCCESS CRITERIA:

GREEN: INPO rating = 2.0
RED: INPO rating ≥ 3.0

CURRENT MONTH STATUS:

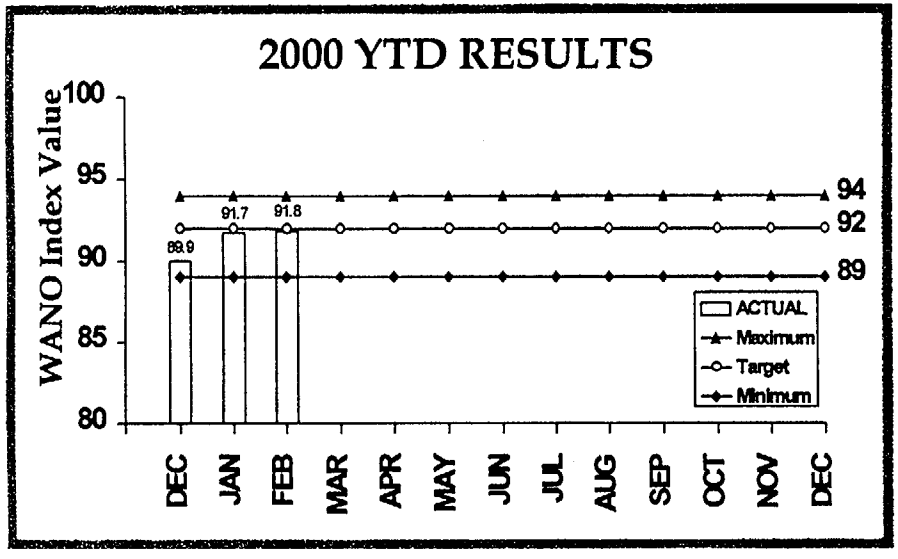
RED: Oconee did not receive an INPO evaluation in 1999. The measure is RED based on our last review completed in October, 1998. This review resulted in a 3.0 (poor) rating. This followed a 2.0 (adequate) rating in 1996. Our 2000 INPO evaluation is scheduled to take place August 21 - September 1, with the exit scheduled for October 4th.

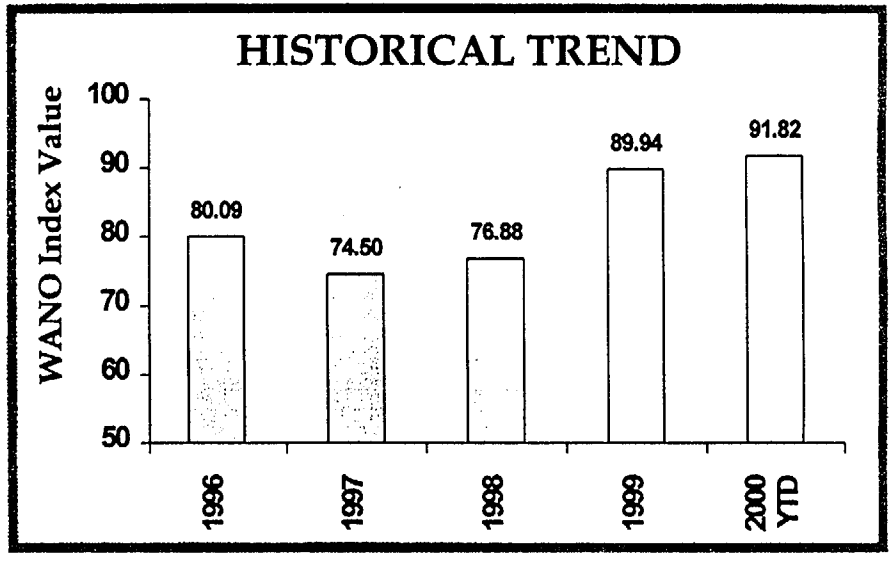
Nuclear Safety

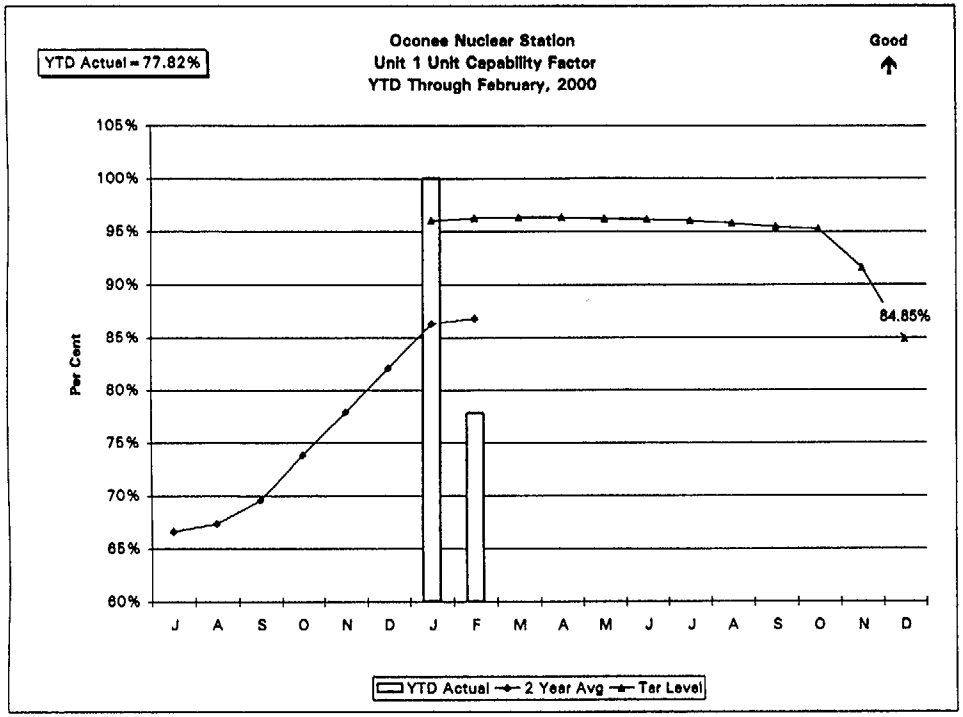
PERFORMANCE INDICATOR INDEX

PERFORMANCE INDICATOR INDEX (Forbes)

(YELLOW)







Definition:
Ratio of the available energy over a given time period to the reference energy generation over the same time period, expressed as a percentage. Availableenergy generation is the energy that could have been produced under reference ambient conditions considering only limitations within control of plant management. Reference energy generation is the energy that could be produced if the unit were operated continuously at full power under reference ambient conditions.

History	Unit 1	Unit 2	Unit 3
1997	43.2%	79.0%	62.6%
1998	80.9%	75.8%	79.9%
1999	83.2%	83.5%	98.0%

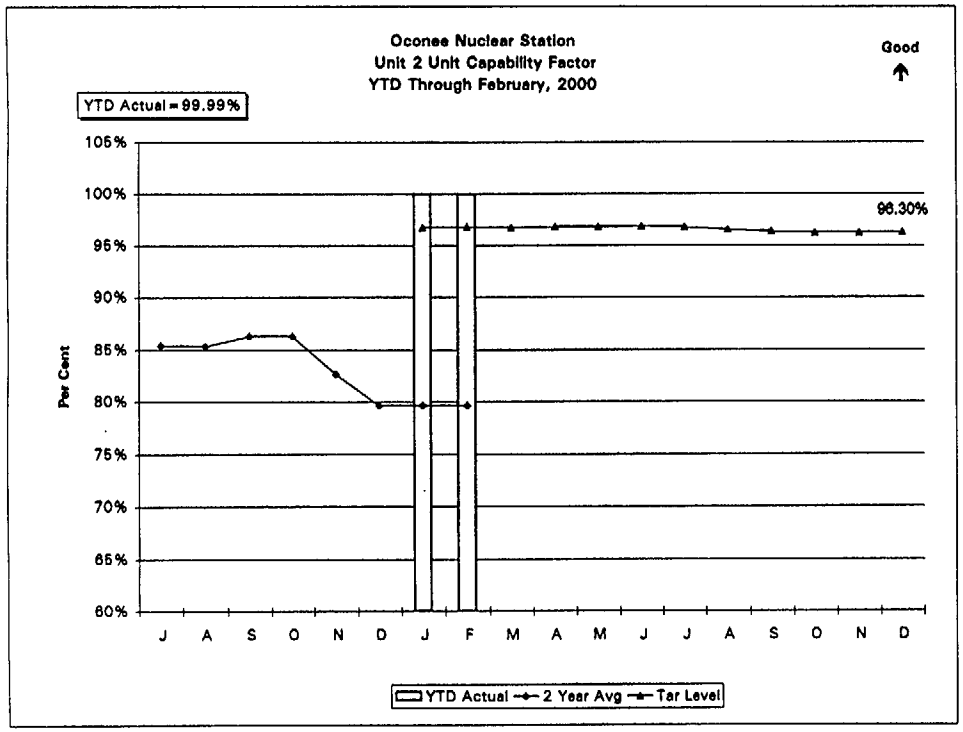
Data Source
R A Williams, 382-5346

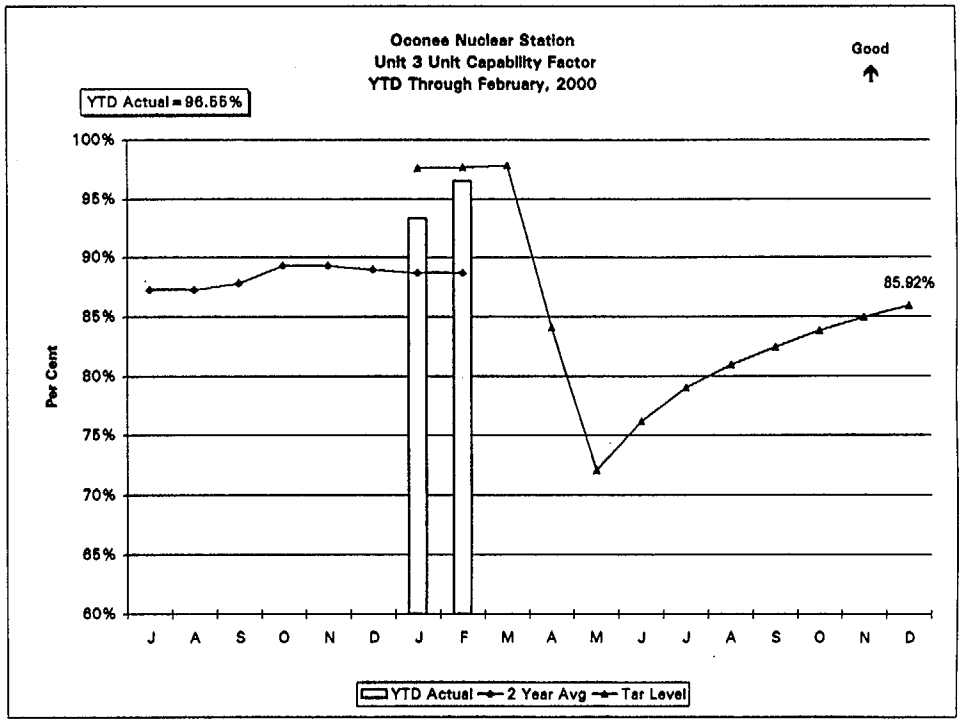
Contact
RH Anderson, 382-3817

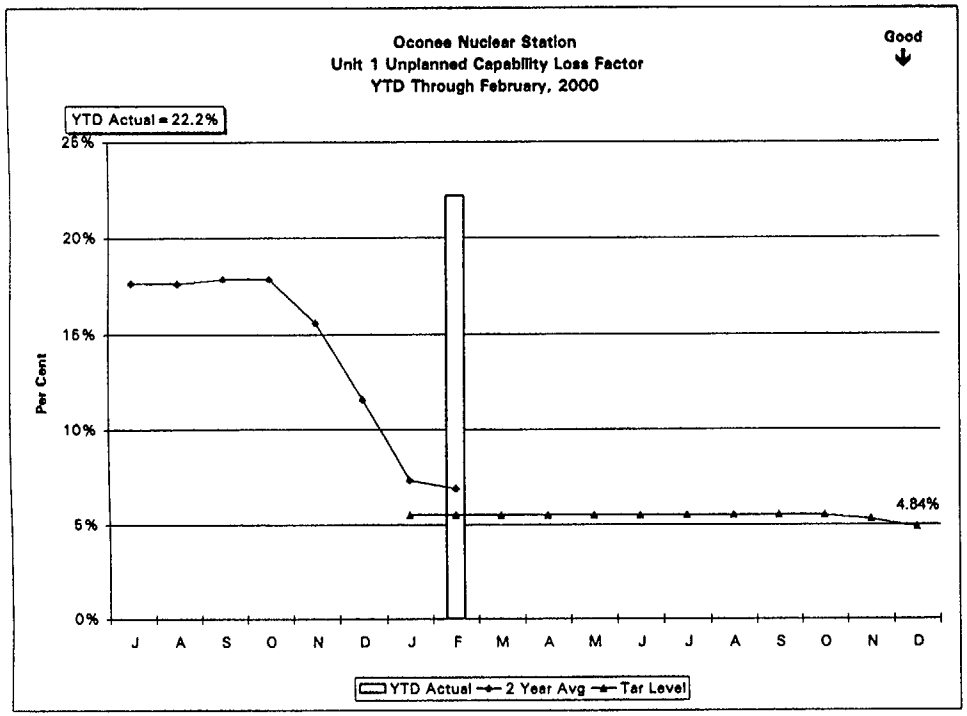
Unit 1 Notes:
Feb - forced outage to repair reactor coolant leak.

Unit 2 Notes:

Unit 3 Notes:
Jan - reactor trip on 1/2.







Definition:
Ratio of the unplanned energy losses during a given period of time, to the reference energy generation, expressed as a percentage. Unplanned energy loss is energy that was not produced during the period because of unplanned shutdowns, outage extensions, or unplanned load reductions due to causes under plant management control. Energy losses are considered unplanned if they are not scheduled at least four weeks in advance.

History	Unit 1	Unit 2	Unit 3
1997	38.1%	21.0%	36.8%
1998	18.9%	4.1%	6.2%
1999	11.6%	4.4%	4.1%

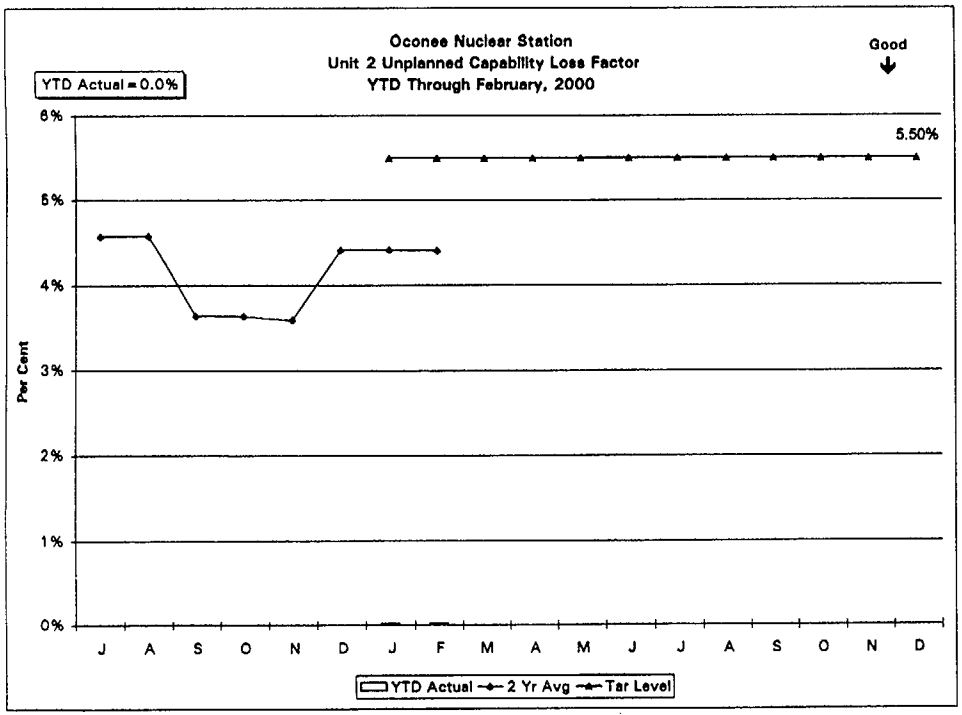
Data Source
R A Williams, 382-5346

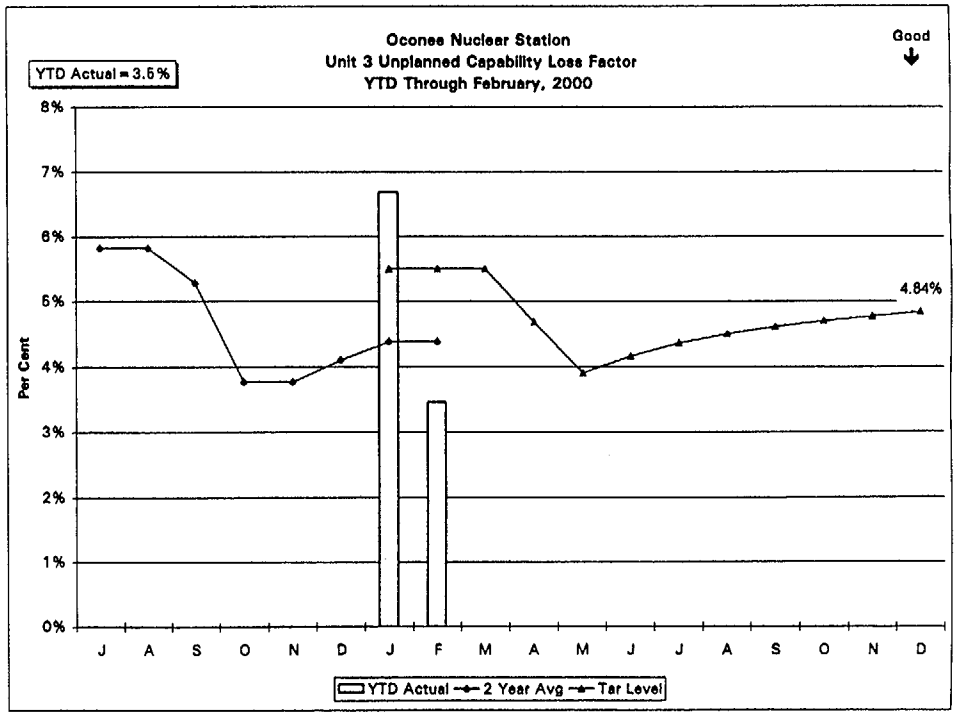
Contact
RH Anderson, 382-3817

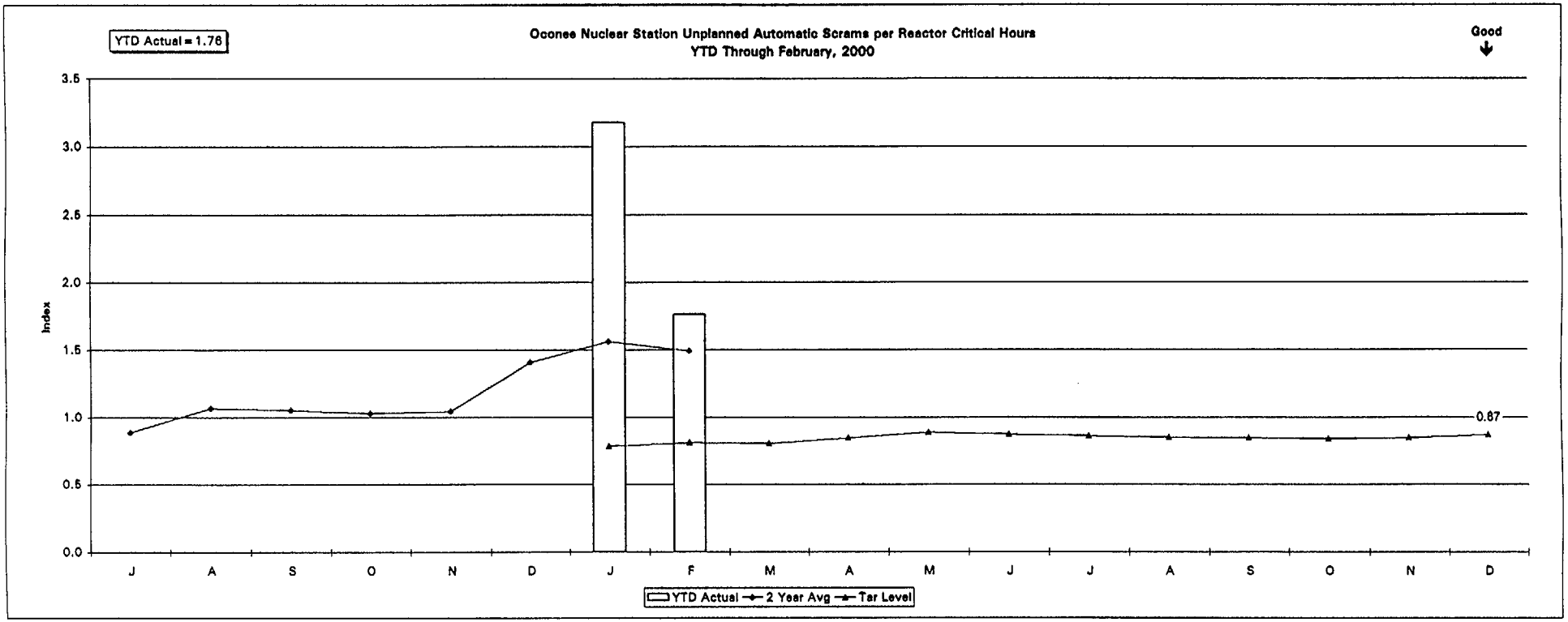
Unit 1 Notes:
Feb - forced outage to repair reactor coolant leak.

Unit 2 Notes:

Unit 3 Notes:
Jan - reactor trip on 1/2.







Definition:
The number of unplanned automatic scrams that occur per 7,000 hours of critical operation.

Assumptions:
Trips were set at 3 for Target .

	Trips YTD	Critical Hours YTD
Unit 1 Notes:	0	1124.7
Unit 2 Notes:	0	1440.0
Unit 3 Notes:	1	1411.0

Data Source : Auto Trips
C M Misenheimer, 382-6751

Data Source : Critical Hours
R A Williams, 382-5346

Contact
R H Anderson, 382-3817

Trip History

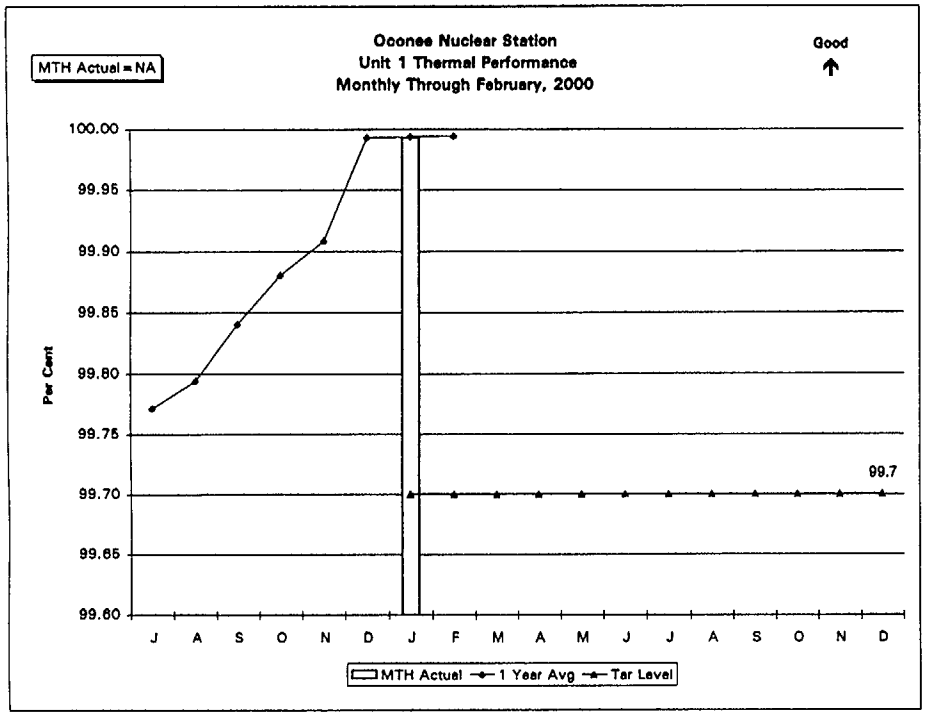
1996
Unit 1 - 2/28/96 Trip due to anticipatory reactor trip on loss of main feedwater
Unit 3 - 3/16/96 Loss of Main Feedwater

1997
Unit 3 - 3/20/97 Pinched wire in connector shorted out.

1998
Unit 2 - 11/3/98 damaged cable during fire stop work.
Unit 3 - 12/31/98 broken wire associated with CRD fuse.

1999
Unit 2 - 2/28 main turbine control valves closed quickly causing a reactor trip due to high reactor coolant pressure.
Unit 2 - 6/19 electrical ground that gave a high water level in the MSR's.
Unit 1 - 7/7 loss of aux feedwater.
Unit 1 - 8/18 due to control rod group five drop.
Unit 2 - 12/21 ground on intercept valve
Unit 2 - 12/24 ground on intercept valve

2000
Unit 3 - 1/3 failed instrument on generator stator cooling system.



Definition:
Ratio of the design gross heat rate (corrected for mods, etc.) to the adjusted gross heat rate. Gross heat rate is the ratio of total thermal energy produced by the reactor to the total gross electrical energy produced by the generator.

History	Unit 1	Unit 2	Unit 3
1997	99.33	99.87	99.92
1998	99.73	99.99	99.95
1999	99.99	99.99	99.99

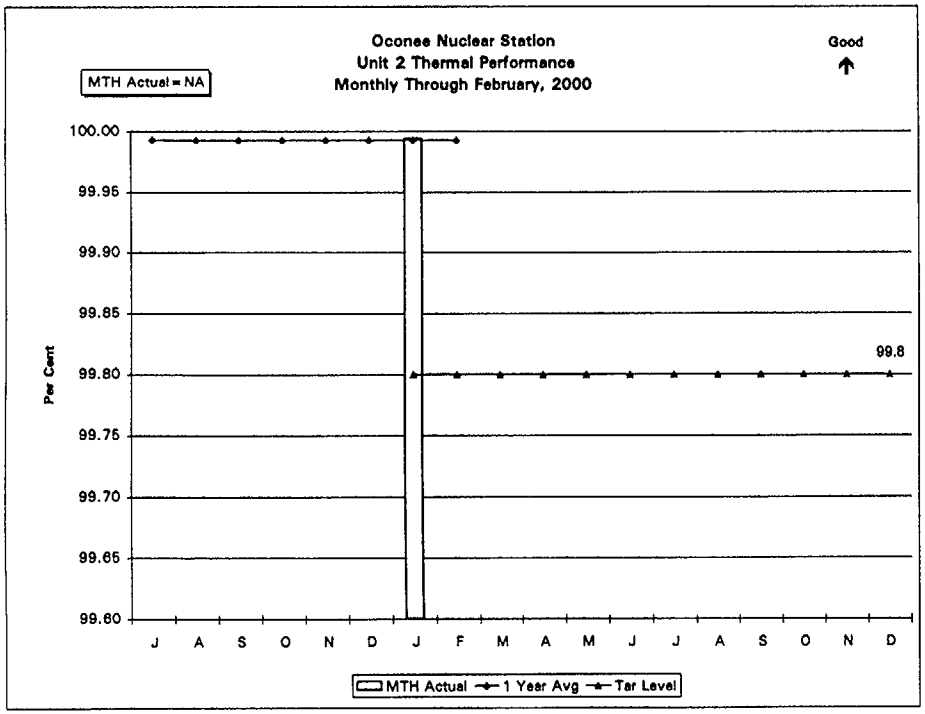
Data Source
L P Jarnagin 382-7786

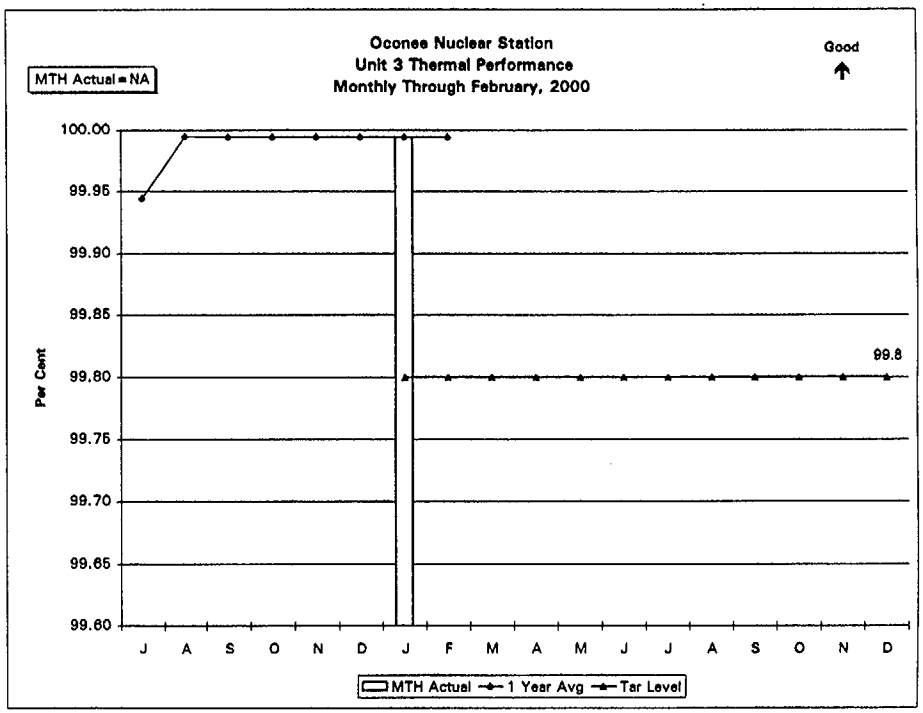
Contact
ME Smith, 382-5386

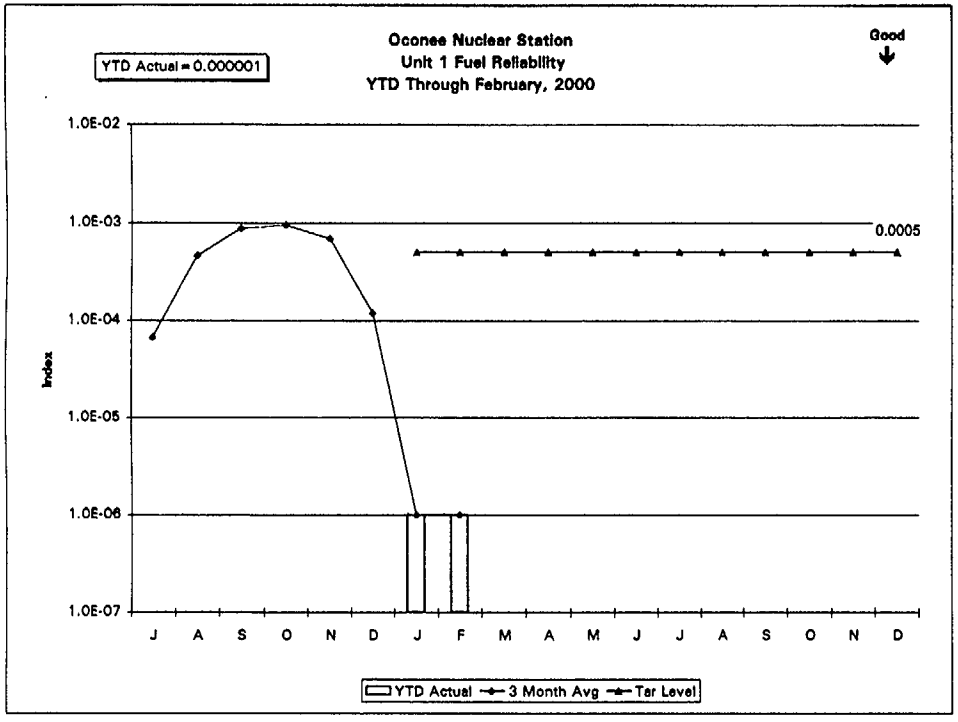
Unit 1 Notes:
Feb - running on two pumps, can not calculate TPI.

Unit 2 Notes:
Feb - running on two pumps, can not calculate TPI.

Unit 3 Notes:
Feb - running on two pumps, can not calculate TPI.







Definition:
The steady-state primary coolant iodine-131 activity (microcuries/gram), corrected for tramp contribution and power level and normalized to a common purification rate and average liners heat generation.

History	Unit 1	Unit 2	Unit 3
1996	7.79E-05	1.36E-04	3.55E-03
1997	5.02E-05	1.21E-04	6.51E-04
1998	5.42E-05	5.14E-05	7.72E-04

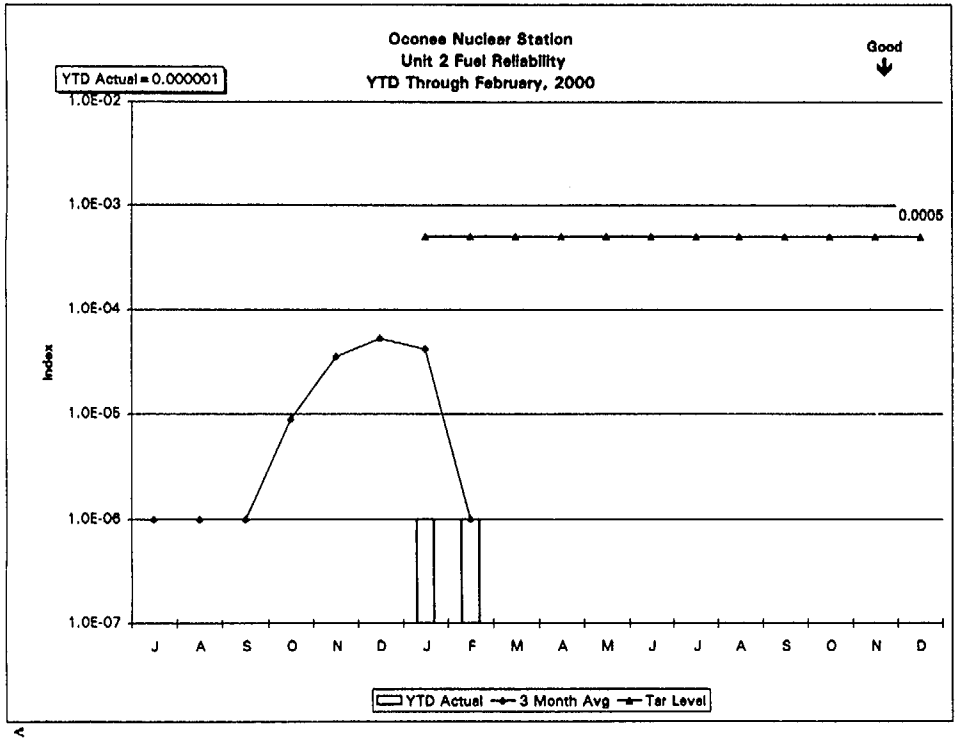
Data Source
B D Chapman, 382-6782

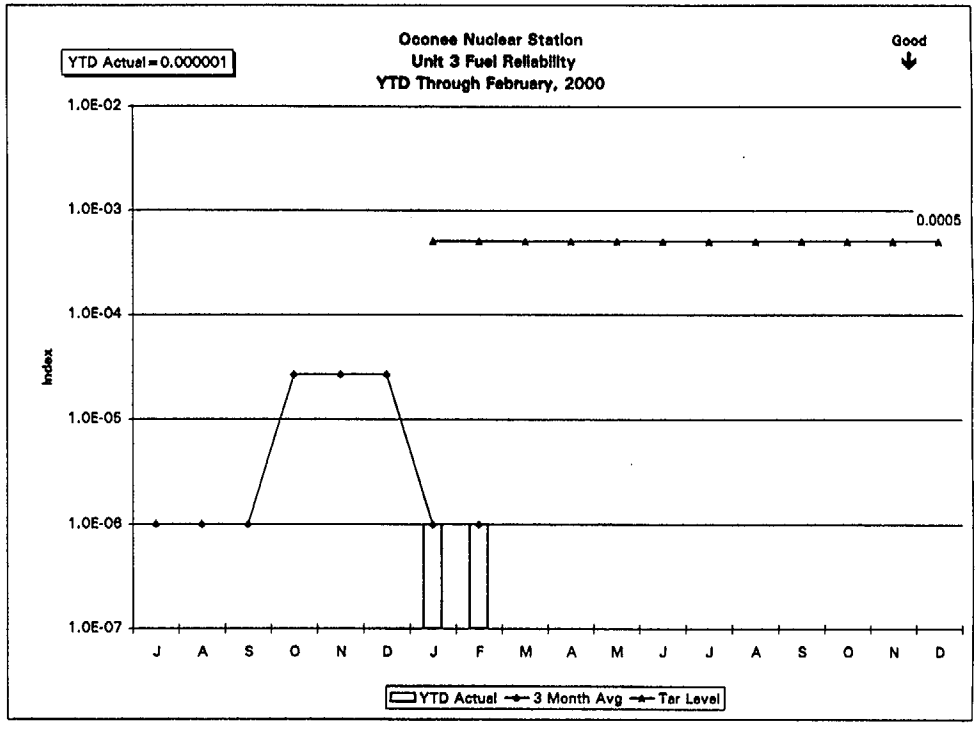
Contact
Al Boshers, 382-5161

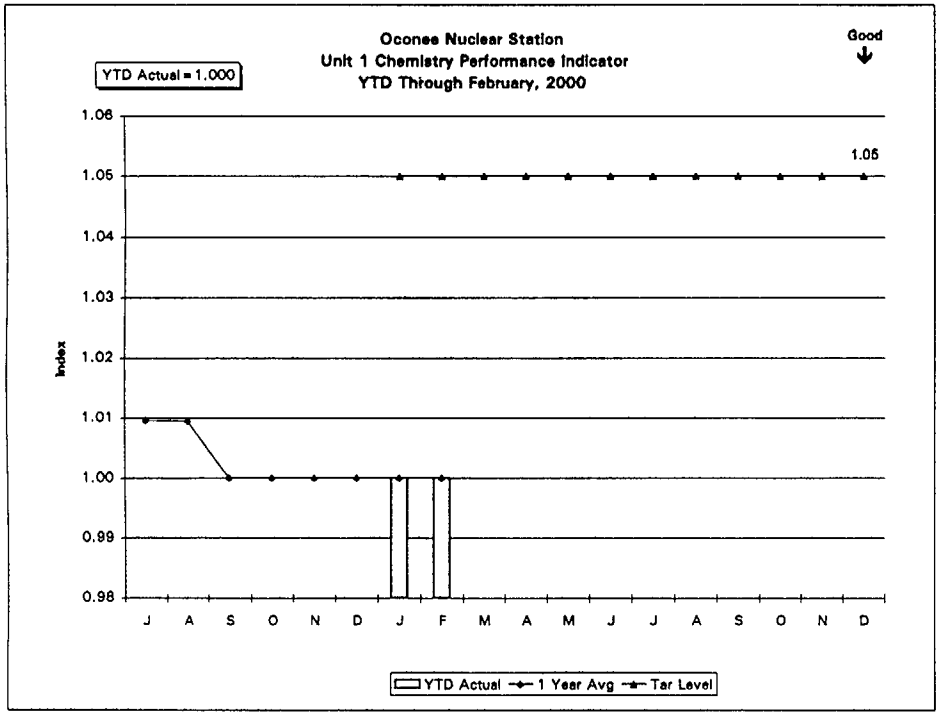
Unit 1 Notes:
Zero fuel defects.

Unit 2 Notes:
Zero fuel defects.

Unit 3 Notes:
Zero fuel defects.







Definition:
Comparison of selected impurities and corrosion products in the secondary side to to a liminting value. These limiting values are the industry medians based on 1993 results. 1.0 is the lowest value attainable.

History	Unit 1	Unit 2	Unit 3
1997	1.090	1.030	1.030
1998	1.020	1.020	1.030
1999	1.000	1.002	1.003

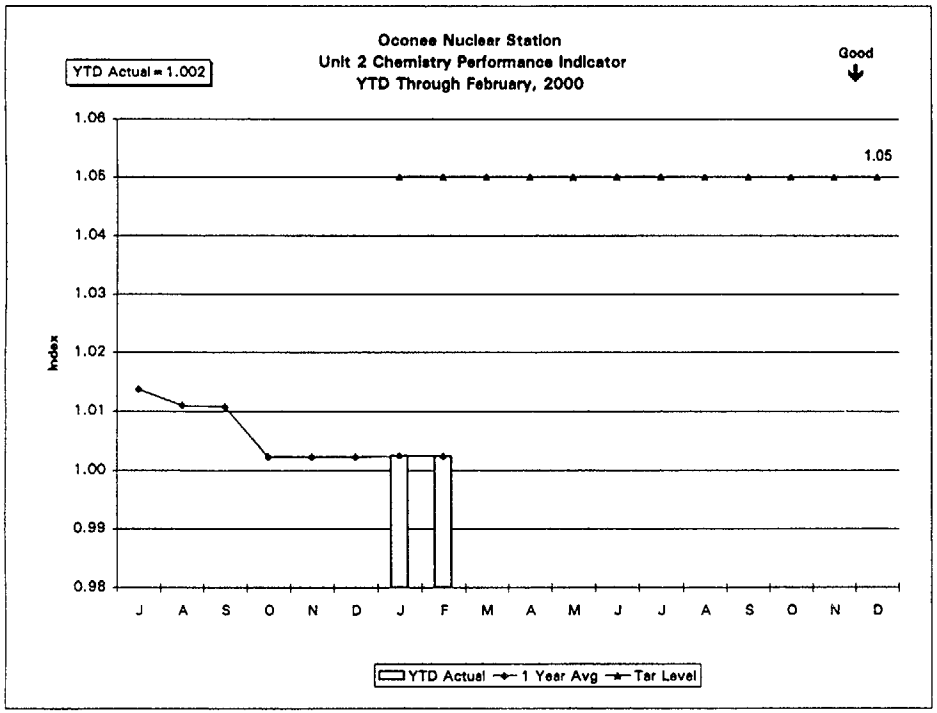
Data Source
MS Alley, 382-4509

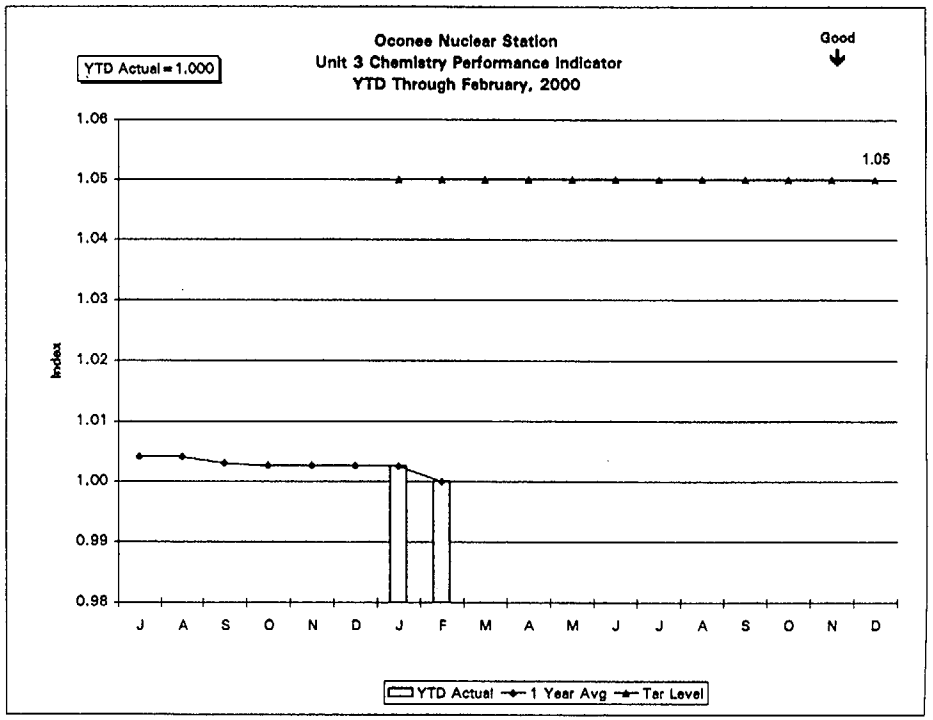
Contact
R H Anderson, 382-3817

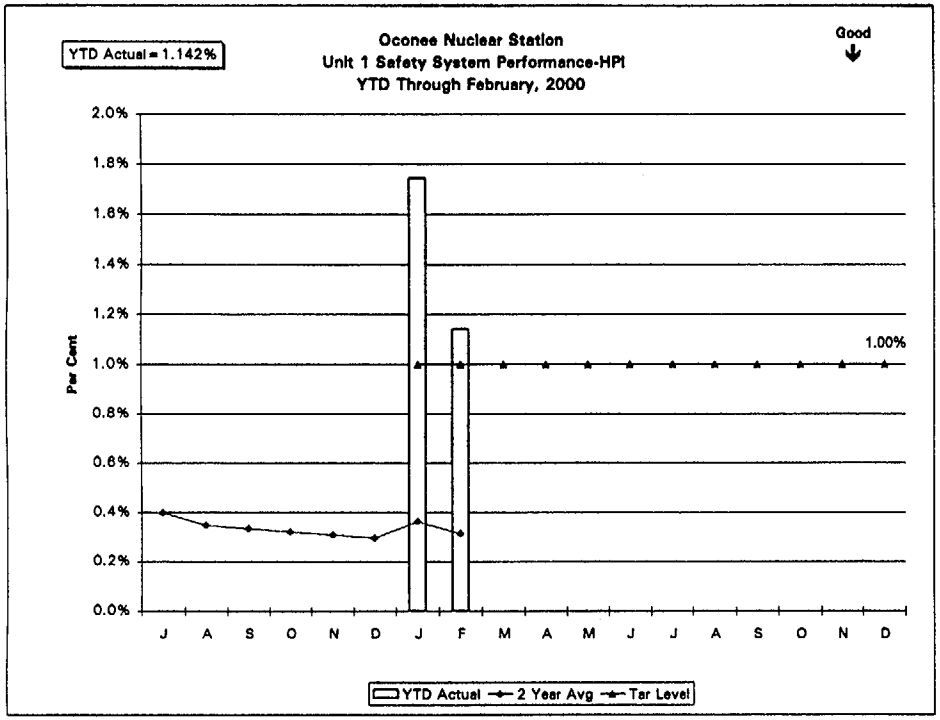
Unit 1 Notes:

Unit 2 Notes:

Unit 3 Notes:







Definition:
Ratio of the hours a train was unavailable to the hours system was required to be available for service.
For a unit, it is the average of the train unavailabilities for the system.

History	Unit 1	Unit 2	Unit 3
1997	0.26%	0.30%	4.35%
1998	0.24%	0.41%	0.36%
1999	0.35%	0.20%	0.20%

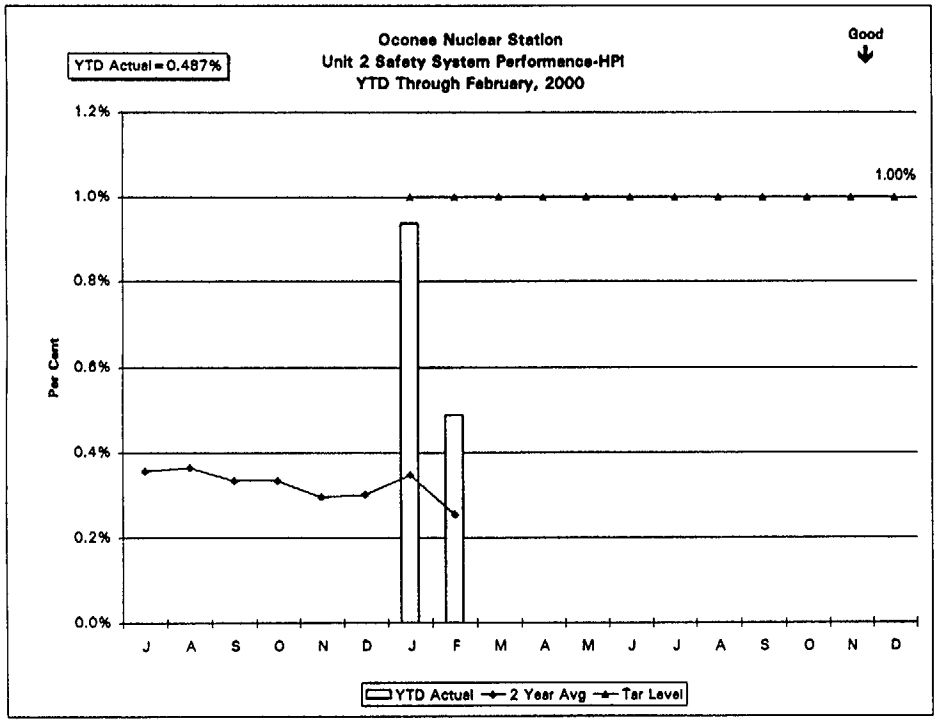
Data Source
C M Misenheimer, 382-6751

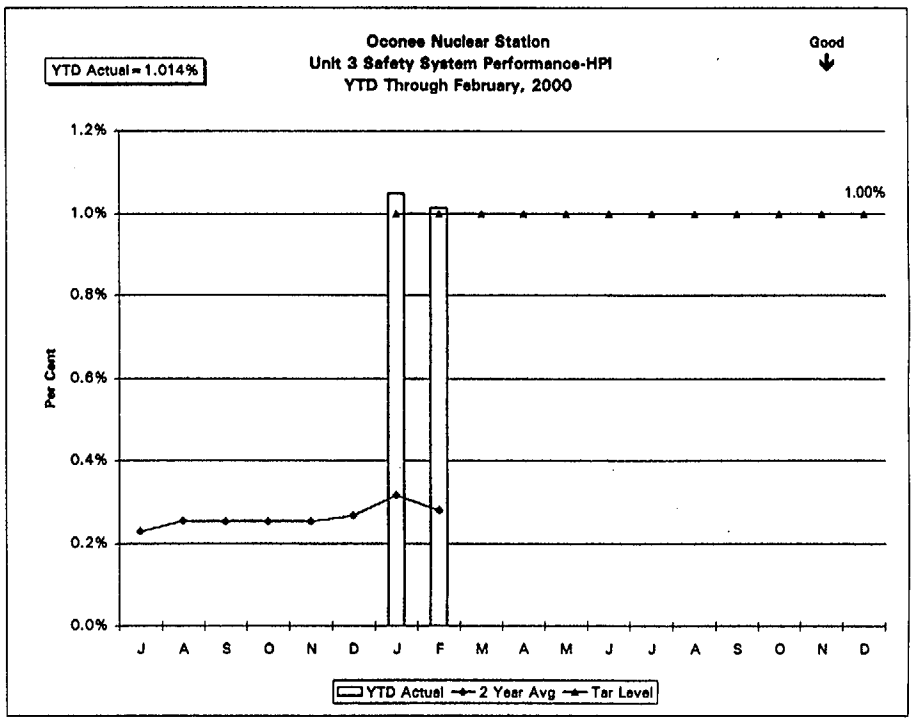
Contact
R H Anderson, 382-3817

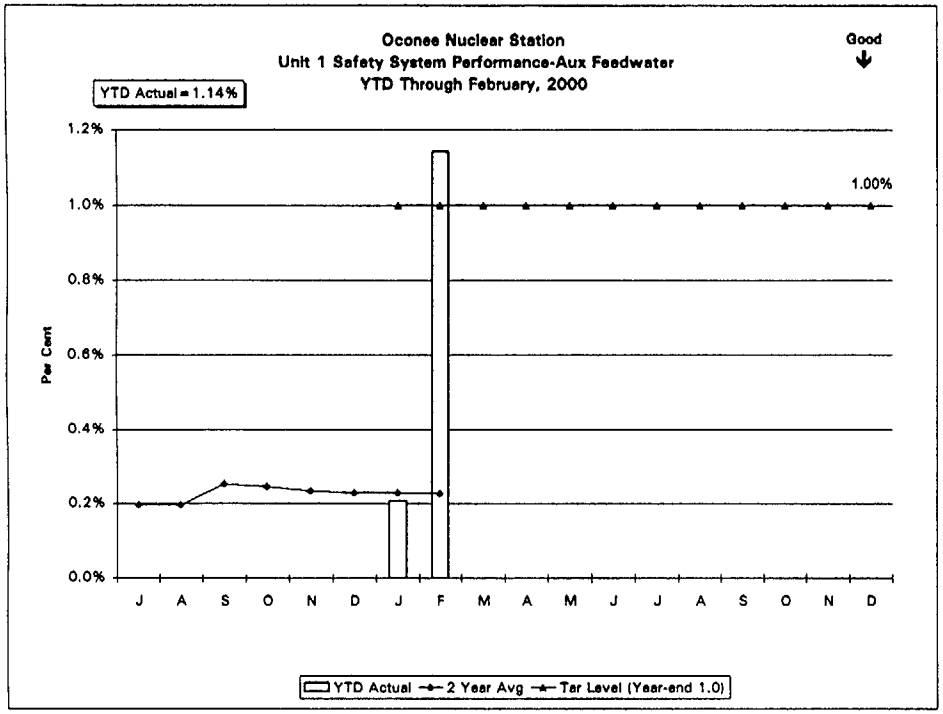
Unit 1 Notes:
Jan -planned pm's on 1A and 1B pumps.

Unit 2 Notes:
Jan -planned pm's on 2A and 2B pumps.

Unit 3 Notes:
Jan -planned pm's on 3A and 3B pumps.







Definition:
Ratio of the hours a train was unavailable to the hours system was required to be available for service.
For a unit, it is the average of the train unavailabilities for the system.

History	Unit 1	Unit 2	Unit 3
1996	0.13%	0.25%	.0.24%
1997	0.26%	0.18%	0.32%
1998	0.24%	0.41%	0.36%
1999	0.20%	0.30%	0.52%

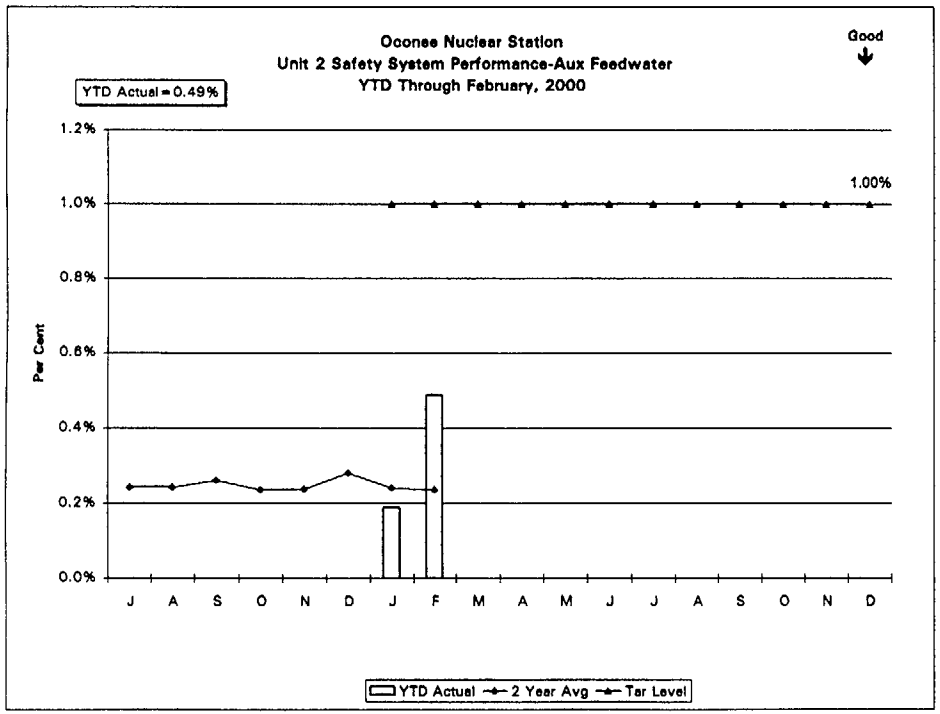
Data Source
C M Misenheimer, 382-6751

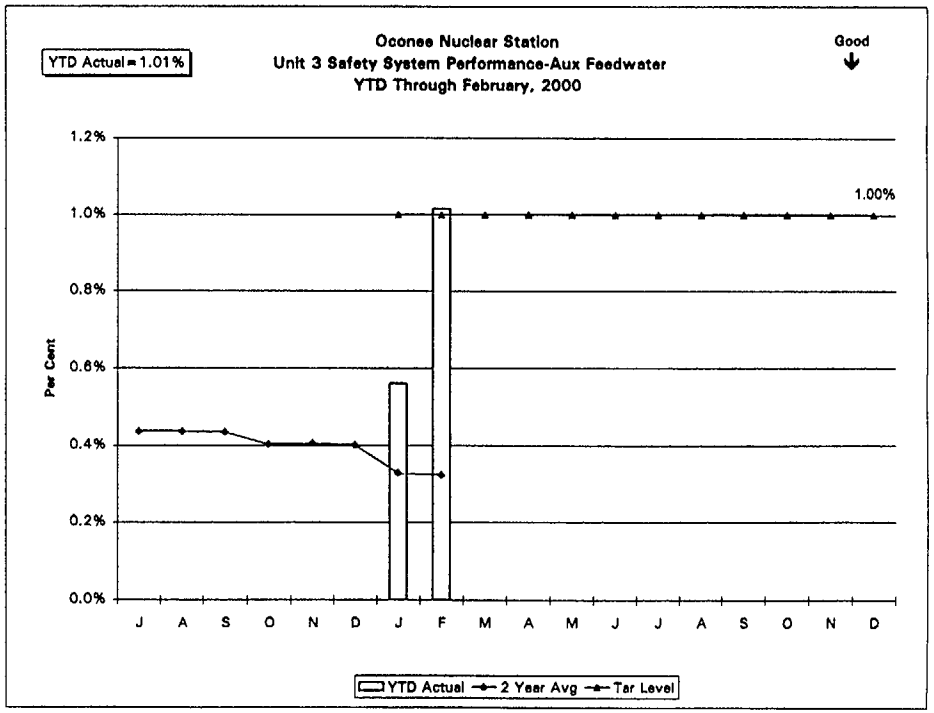
Contact
R H Anderson 382-3817

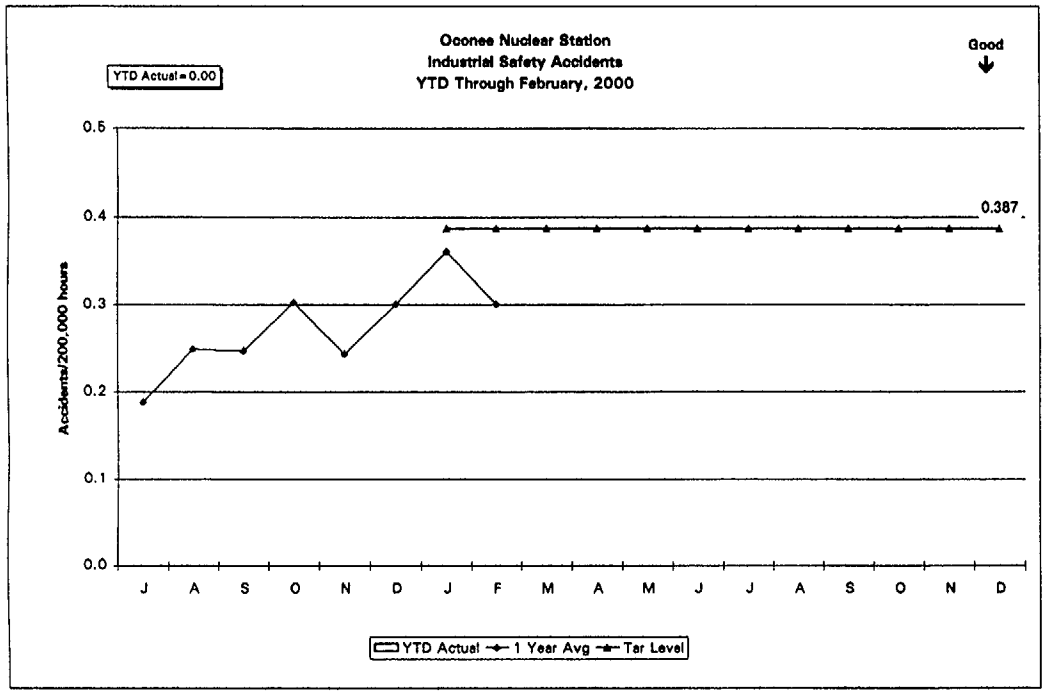
Unit 1 Notes:

Unit 2 Notes:

Unit 3 Notes:







Definition:
The number of accidents per 200,000 person hours worked for all utility personnel permanently assigned to the station that result in any of the following:
- one or more days of restricted work (excluding day of accident)
- one or more days away from work (excluding the day of the accident)
- fatalities

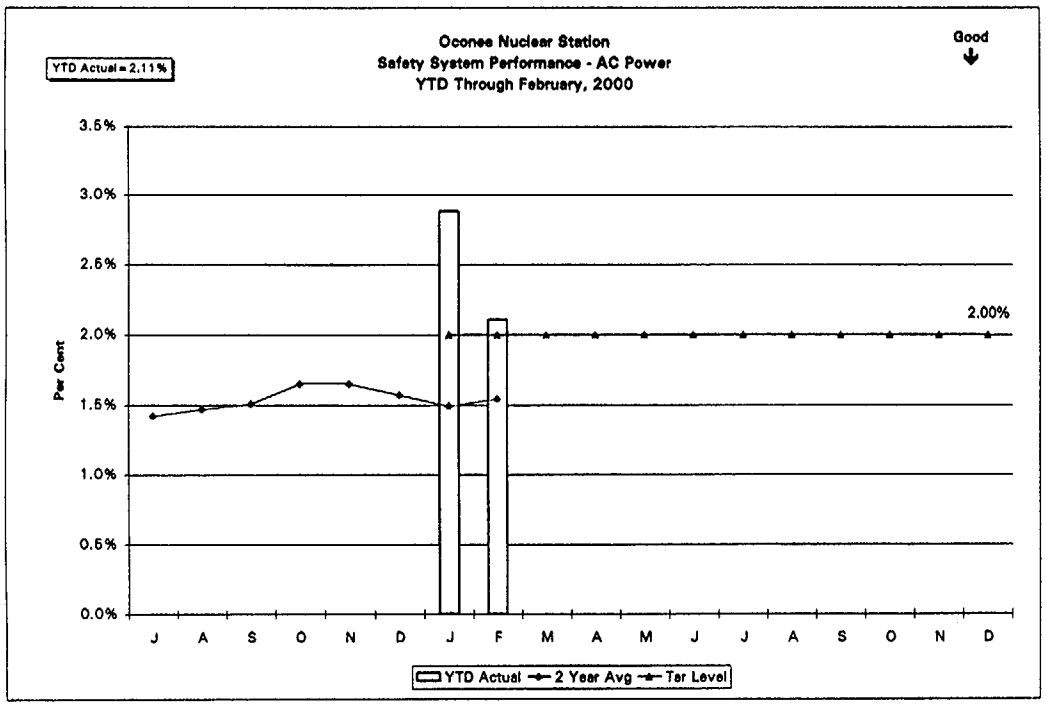
History	Rest.	Station Lost Wor	Fatali.
1996	4	8	0
1997	3	0	0
1998	2	2	0
1999	3	2	0

Data Source
Teresa Merck, 885-3020

Contact
R H Anderson 382-3817

Industrial Safety Accident Notes YTD

Hours	Restricted	Lost Work	Fatalities
[redacted]	[redacted]	[redacted]	[redacted]



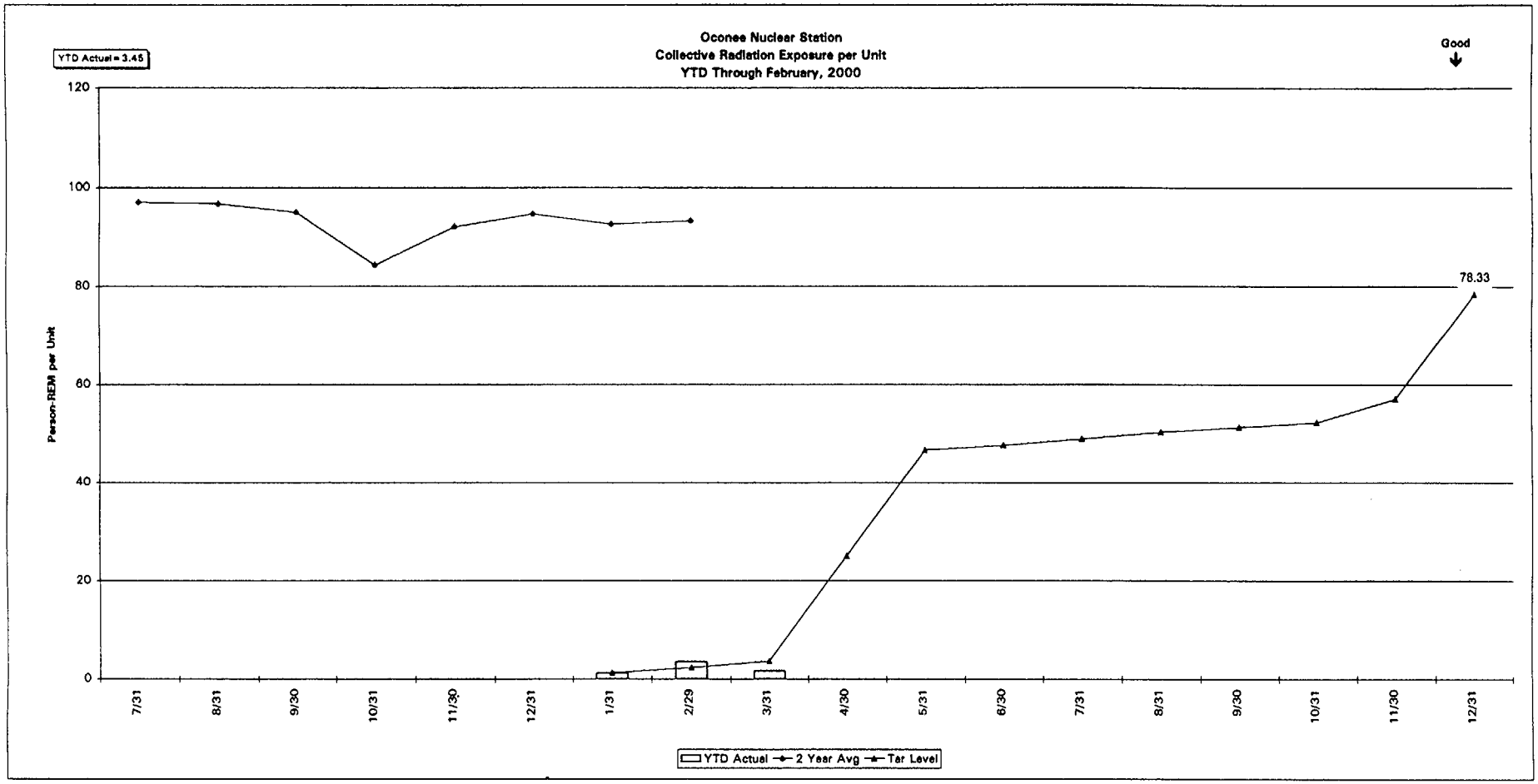
Definition:
Ratio of the hours a train was unavailable to the hours system was required to be available for service. For a unit, it is the average of the train unavailabilities for the system.

History	Station
1996	1.77%
1997	2.12%
1998	1.12%
1999	2.03%

Data Source
C M Misenheimer, 382-6751

Contact
RH Anderson, 382-3817

AC Power Notes:
Jan - planned work on ACB-2.



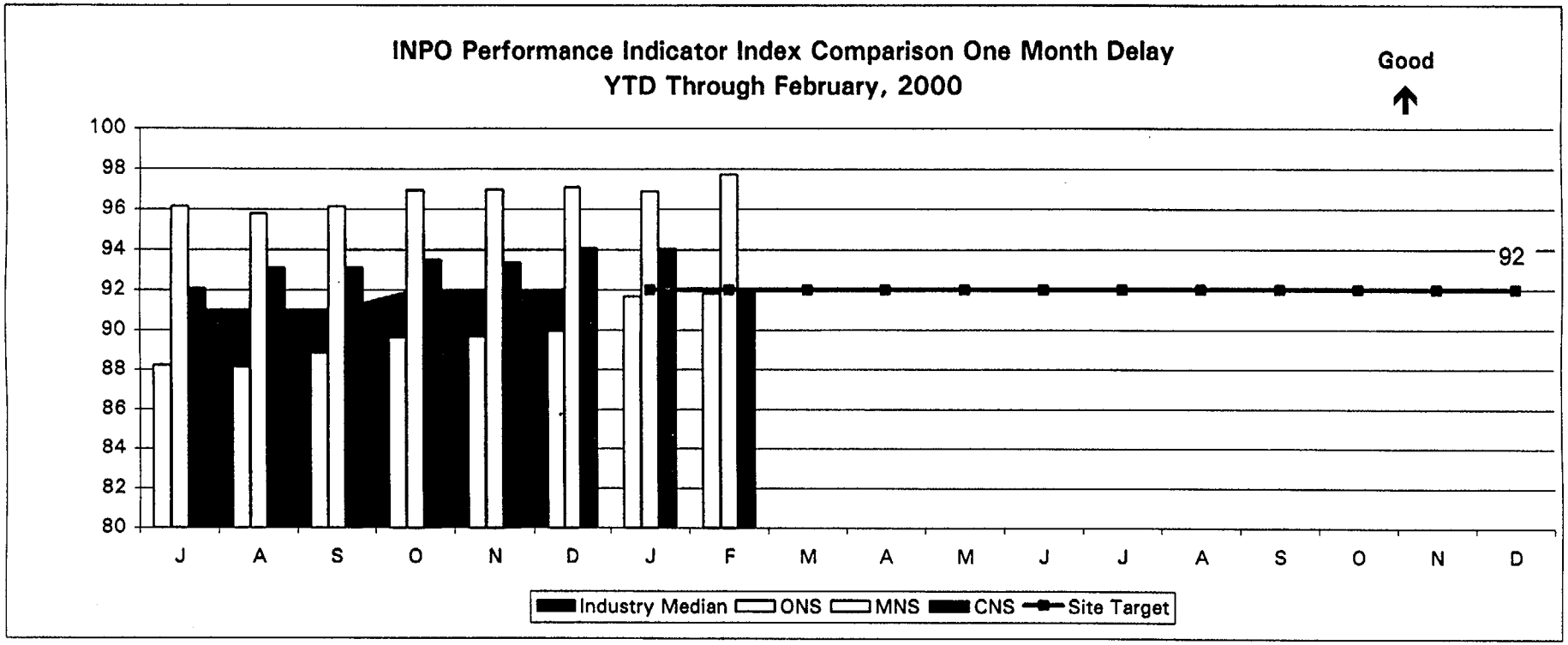
Definition:
The total external whole-body dose received by all personnel (including contractors and visitors) coming on site during a time period.

Data Source
JR Fox, 382-4376

Contact
RH Anderson, 382-3817

History	Per Unit
1996	85.8
1997	74.2
1998	122.0
1999	67.3

Notes:



Definition

The Performance Indicator Index is a measure of overall performance. It is calculated using a weighted combination of the ten performance indicator values and has a range from 0 to 100. A higher index generally represents better overall performance.

NOTE: INDUSTRY MEDIAN WILL BE UPDATED QUARTERLY AND WILL LAG BY A QUARTER.

Individual Indicator with Index less than 92

Indicators	ONS1	ONS2	ONS3	MNS1	MNS2	CNS1	CNS2
Unit Capability Factor		**79.33**					**91.09**
Unplanned Capability Loss Factor	**53.96**	**70.63**	**70.76**	**89.03**		**67.53**	**43.87**
Safety System Performance:							
Hi-pressure Injection							
Auxiliary Feedwater							
Emergency AC Power	**86.41**	**86.41**	**86.41**	**90.25**	**90.25**	**80.32**	**80.32**
Unplanned Auto Scrams		**62.39**					
Collective Radiation Exposure							
Fuel Reliability							
Thermal Performance							
Chemistry							
Industrial Safety Accident Rate							

February, 2000

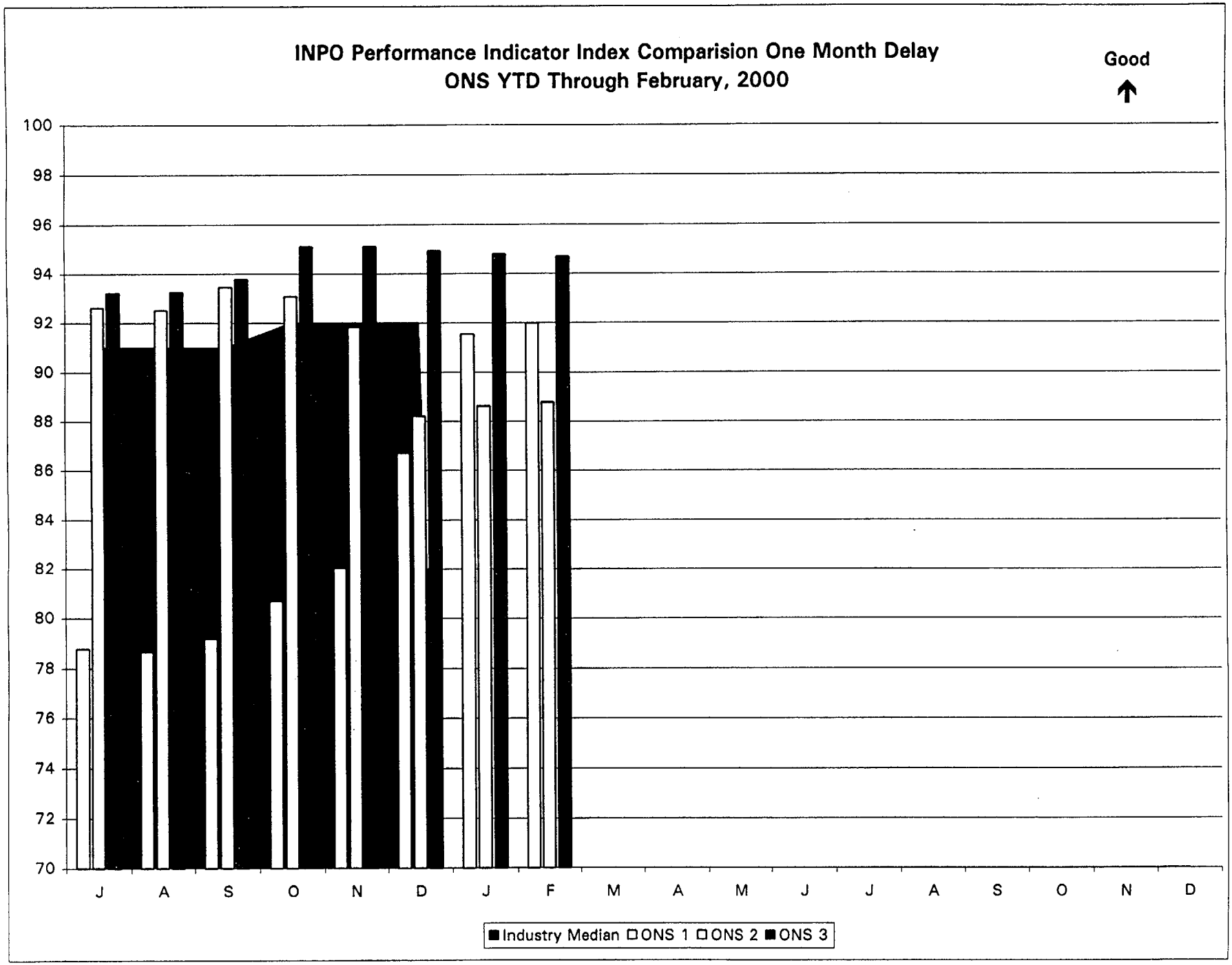
ONS	**91.82**
MNS	
CNS	**91.98**
SYS	**93.55**

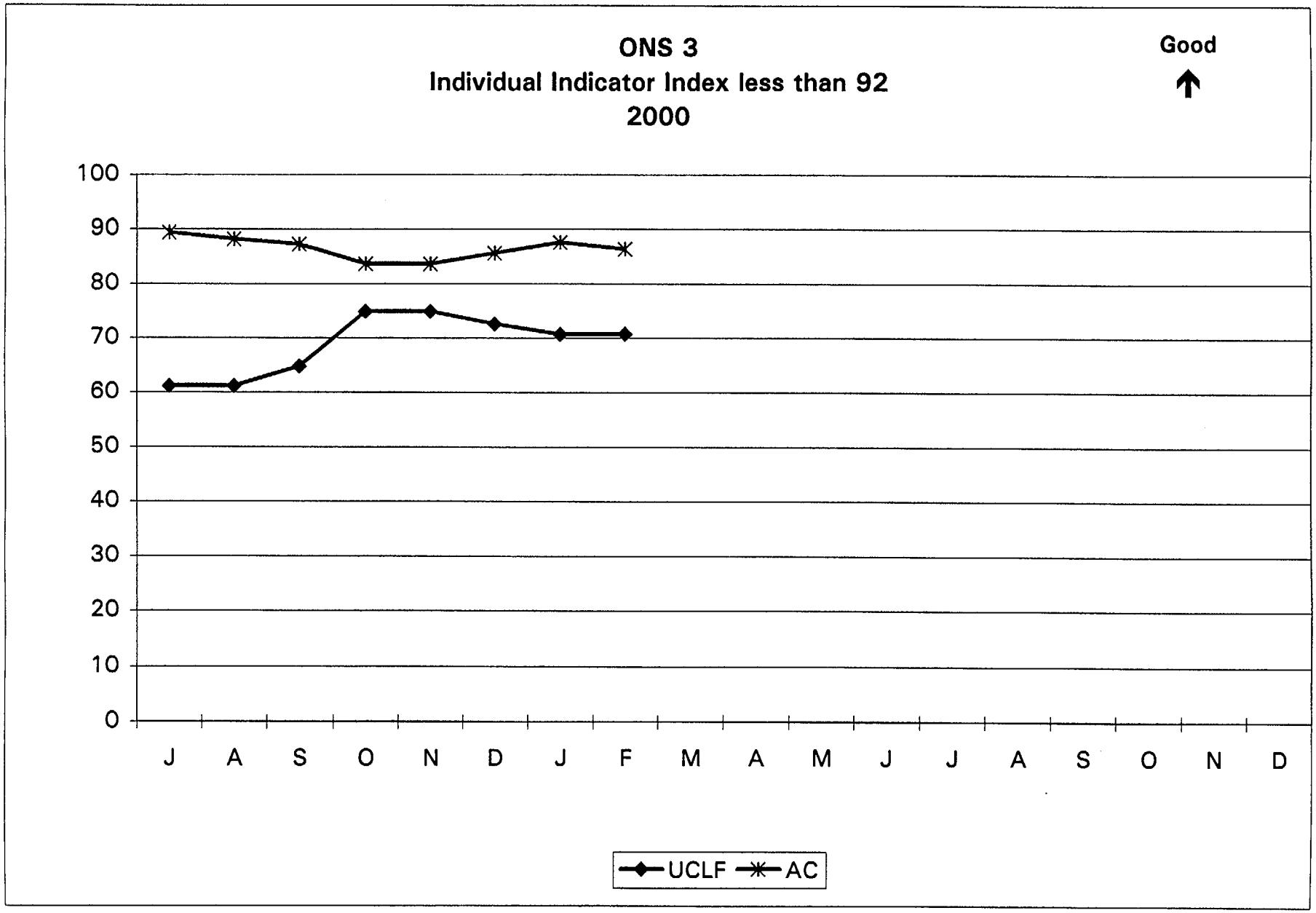
3Q99 Industry Median - 91.0

Less than 89(RED)

Equal to or greater than 89 but less than 92(YELLOW)

92 or greater(GREEN)


INPO Performance Indicator Index Comparision One Month Delay
ONS YTD Through February, 2000
Good
100
98
96
94
92
90
88
86
84
82
80
78
76
74
72
70
J A S O N D J F M A M J J A S O N D
Industry Median ONS 1 ONS 2 ONS 3


ONS 3
Individual Indicator Index less than 92
2000
Good
100
90
80
70
60
50
40
30
20
10
0
J A S O N D J F M A M J J A S O N D
UCLF
AC

Nuclear Safety

PERFORMANCE INDICATOR INDEX

DEFINITION:
The Performance Indicator Index is a weighted summation of scaled indicator point values based on the following 11 factors INPO has identified for safe and successful plant operation:

Unit Capability Factor - 2 year average
Unplanned Capability Loss Factor - 2 year average
Unplanned Automatic Scrams per 7000 hours of Reactor Critical Operation - 2 year average
HPI Safety Injection System Unavailability - 2 year average
Emergency Feedwater System Unavailability - 2 year average
Emergency AC Power System Unavailability - 2 year average
Thermal Performance - 1 year average
Fuel Reliability - 3 month average
Chemistry Index - 1 year average
Collective Radiation Exposure - 2 year average person rem/per unit
Industrial Safety Accident Rate - 1 year average rate per 200,000 work hours

2000 MEASURES SUCCESS CRITERIA:

GREEN:	Index Value ≥ 92.0	(Target Incentive Performance)
YELLOW:	Index Value ≥ 89.0	(Minimum Incentive Performance)
RED:	Index Value < 89.0	

CURRENT MONTH STATUS: YELLOW

Unit 1: 91.98
Unit 2: 88.78
Unit 3: 94.69
ONS Total: 91.82

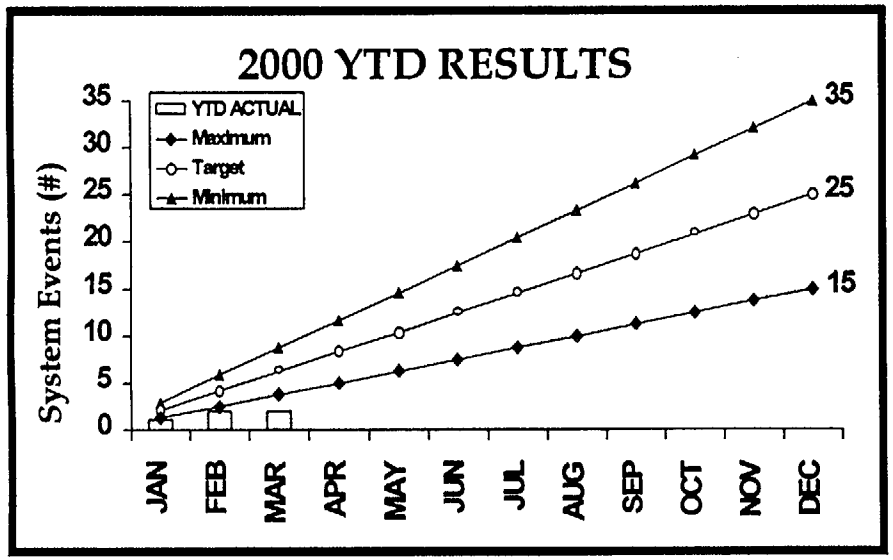
MNS Total: 97.71
CNS Total: 91.98
SYSTEM Total: 93.55
INDUSTRY Median: 91.0

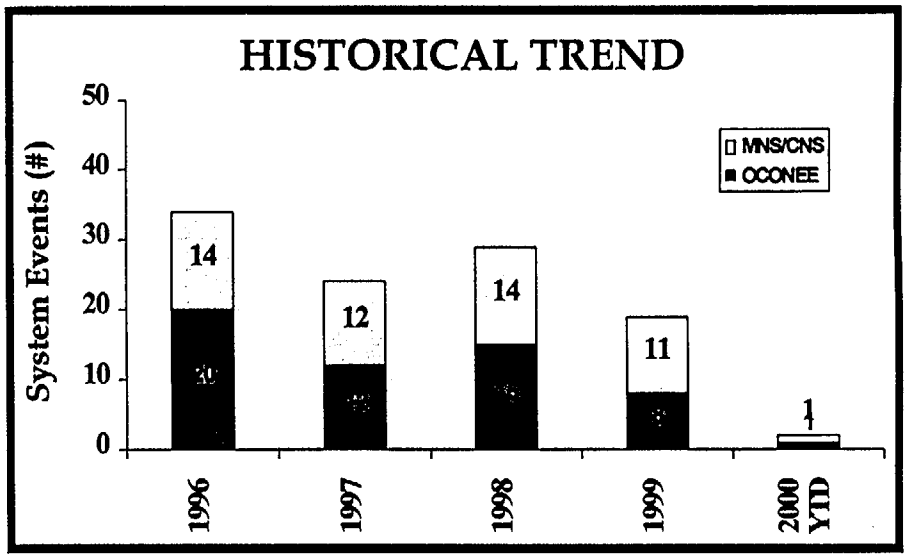
NOTE: - Measure is typically reported one month behind due to data gathering requirements.

Nuclear Safety

NUCLEAR SYSTEM EVENTS

(Green)





2000 OCONEE EVENTS

Date	Unit	Description of Event
1/3/00	Unit 3	Unit 3 Automatic Trip after manual main turbine trip due to instrument failure (NAS)

NUCLEAR SYSTEM EVENTS (cont'd)

McGUIRE

CATAWBA

Date	Unit	Description of Event
2/13/00	Unit 1	Unit 1 Reactor Trip Caused by turbine trip (NAS)

Nuclear Safety

NUCLEAR SYSTEM EVENTS

DEFINITION:

Combined events for ONS, MNS and CNS defined as follows:

NRC - Automatic SCRAMs while critical, Safety System Actuation's, Safety System Failures and Significant Events;
INPO - Significant Events;
DUKE - Precursor Events, Significant Shutdown Events and LERs due to Personnel Error.

2000 MEASURES SUCCESS CRITERIA:

GREEN: YTD Actual and 3-month trend indicate Target (≤ 25 events) is likely to be achieved.
YELLOW: YTD Actual and 3-month trend indicate Minimum (≤ 35 events) is likely to be achieved.
RED: YTD Actual and 3-month trend indicate Minimum is unlikely to be achieved (> 35 events).

CURRENT MONTH STATUS:

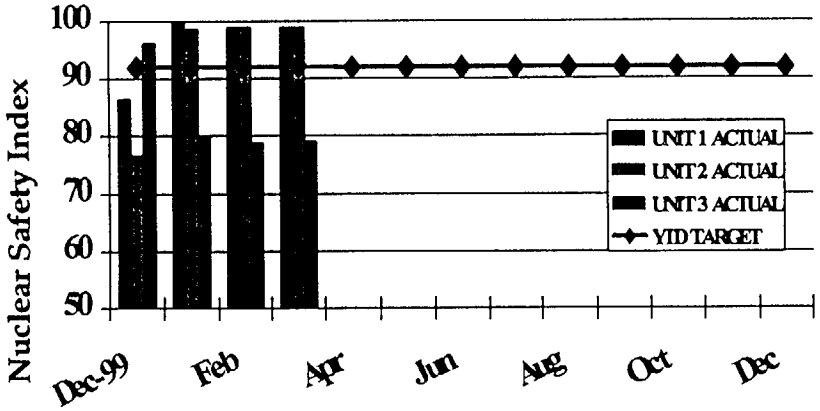
GREEN: Duke's nuclear system recorded 0 events in March.

Nuclear Safety

NUCLEAR SAFETY INDEX

(GREEN)

2000 YTD STATUS



ONS UNIT 1 DATA SHEET

Parameter	Range (0 - 100)	Weight	2000 YTD Actuals
Reactor Trips	4.0 - 0.0	20 %	0
Precursors	1.0 - 1.0	25 %	0
SSE	1.0 - 0.0	25 %	0
HP Injection	.03 - .0045	10 %	0.00692
Aux. Feedwtr.	.04 - .0045	10 %	0.00120
Emer. AC Pwr.	.05 - .0045	10 %	0.0139
Index Value			99.03

ONS UNIT 2 DATA SHEET

Parameter	Range (0 - 100)	Weight	2000 YTD Actuals
Reactor Trips	4.0 - 0.0	20 %	0
Precursors	1.0 - 1.0	25 %	0
SSE	1.0 - 0.0	25 %	0
HP Injection	.03 - .0045	10 %	0.00372
Aux. Feedwtr.	.04 - .0045	10 %	0.00409
Emer. AC Pwr.	.05 - .0045	10 %	0.0139
Index Value			99.03

ONS UNIT 3 DATA SHEET

Parameter	Range (0 - 100)	Weight	2000 YTD Actuals
Reactor Trips	4.0 - 0.0	20 %	1
Precursors	1.0 - 1.0	25 %	0
SSE	1.0 - 0.0	25 %	0
HP Injection	.03 - .0045	10 %	0.00778
Aux. Feedwtr.	.04 - .0045	10 %	0.00227
Emer. AC Pwr.	.05 - .0045	10 %	0.0139
Index Value			79.03

Nuclear Safety

NUCLEAR SAFETY INDEX

DEFINITION:

The Nuclear Safety Index is a weighted index designed to objectively track the performance of each individual nuclear unit. The objective is to focus on those aspects of plant operation which directly relate to the prevention of significant plant incidents related to Nuclear Safety and maintain a high level of readiness to mitigate plant accidents.

The index is calculated by obtaining the number of reactor trips requiring a scram, accident precursor events, significant shutdown events, and the safety system unavailability per unit. For each of these parameters, the range of the scoring index is selected to represent the expected span of the parameter. The scoring index is calculated for each parameter and multiplied by a weighting factor since the parameters do not all have the same nuclear safety significance. The sum of these weighted indexes for each parameter becomes the total unit Nuclear Safety Index.

2000 MEASURES SUCCESS CRITERIA:

GREEN: Nuclear Safety Index greater than or equal to 92.00%
YELLOW: Not applicable
RED: Nuclear Safety Index less than 92.00%.

CURRENT MONTH STATUS:

GREEN: Through March, the Oconee Site (92.4) is meeting the target (92.0). Individually, Unit 1 (99.0) had no events. Unit 2 (99.0) had no events. Unit 3 (79.0) had a reactor trip event in January. Keowee unavailability greater than 1.0% has reduced the score of each unit and is broken down as follows:

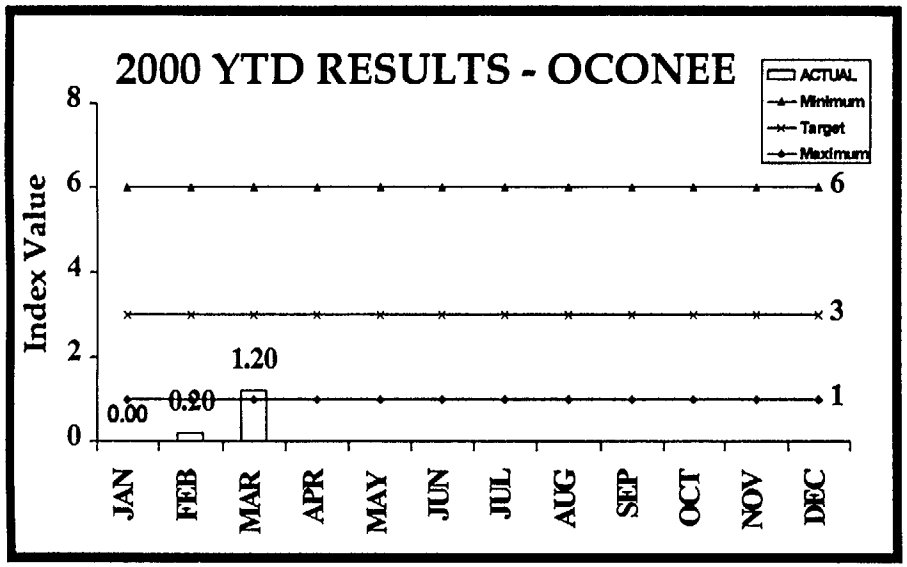
Although the Keowee units accured no SSU in December, KHU-1 was unavailable in January for 8.9 hours due to planned quarterly maintenance and KHU-2 was unavailable for 34.0 hours (5.0 unplanned) due to ACB-2 work. In February, KHU-1 was unavailable for 17.8 hours due to change out of CX transformer taps.

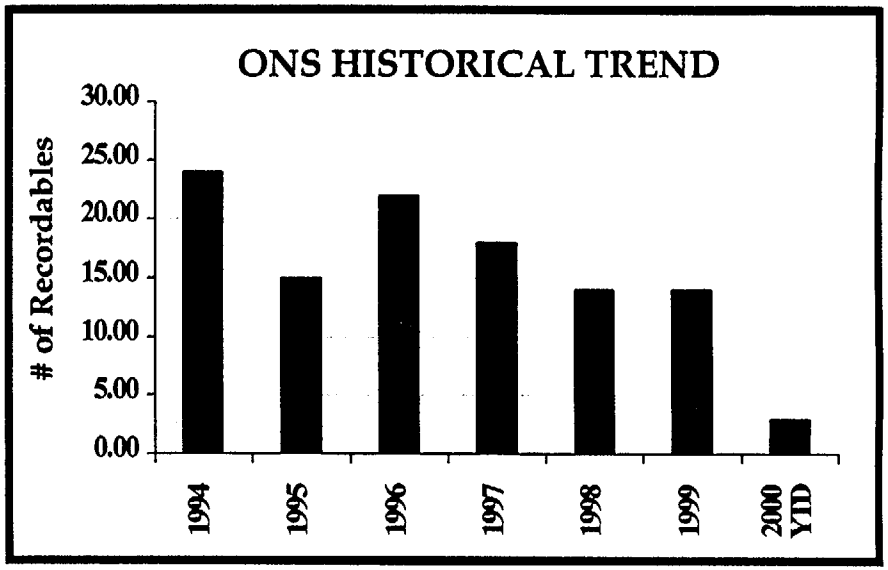
Top Quartile Industry performance for the period 4th Qtr 1998 - 3rd Qtr 1999 is 100%
Median Industry performance for the same period is 90.10%

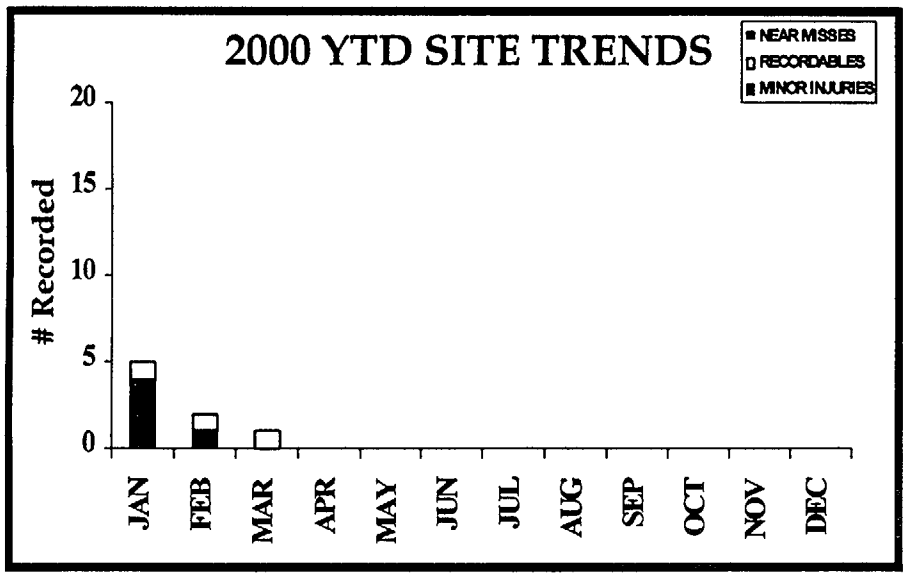
Nuclear Safety

INDUSTRIAL SAFETY INDEX

(Green)







2000 OCONEE RECORDABLE INJURIES

Date	Division	Description	Lost Workdays	Restricted Workdays
02/24	C&F	Tendonitis in wrist	0	0
03/09	Maint	Strain to neck	0	0
01/10	HR	Torn cartilage in knee	4	3

Nuclear Safety

INDUSTRIAL SAFETY INDEX

DEFINITION:

The Industrial Safety Index is measured at the site level and is calculated as follows:

(Total Severity Rate + OSHA Recordable Case Rate) / 2 where:

Severity Rate = [{Lost Work Days + (Restricted Work Days x 0.33) + (Fatalities x 6000)} x 200,000] / Total Cumulative Work Hours

OSHA Case Rate = (Total Cases x 200,000) / Total Cum. Work Hours

2000 MEASURES SUCCESS CRITERIA:

GREEN: Safety Index under target with no adverse trends indicated.

YELLOW: Safety Index under target but trend indicates year-end achievement in doubt **OR** Safety Index over target but trend indicates year-end goal is recoverable.

RED: Safety Index over target and year-end goal is unrecoverable or unlikely to be achieved.

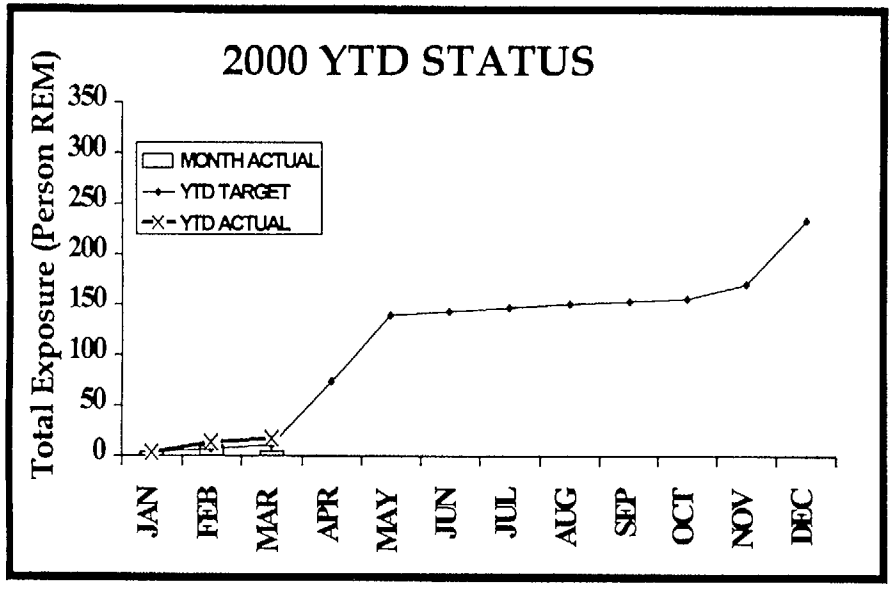
CURRENT MONTH STATUS:

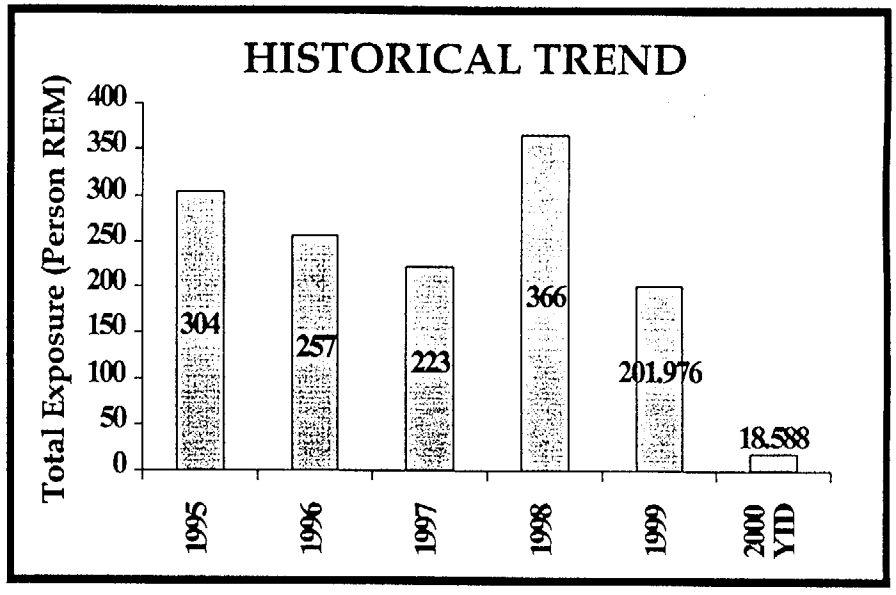
GREEN - ONS has 3 recordables for YTD March.

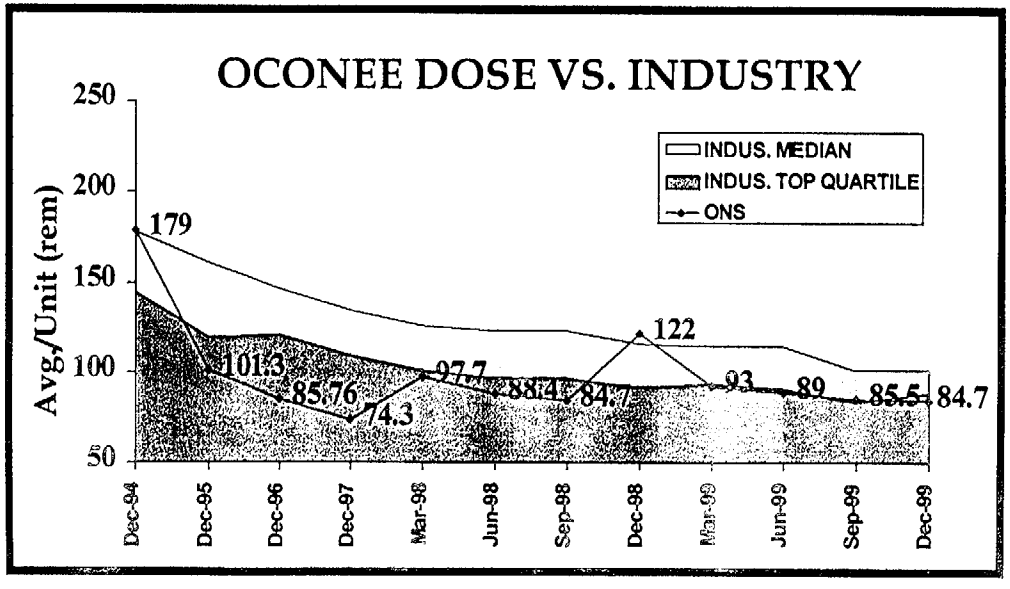
Nuclear Safety

RADIATION EXPOSURE

(RED)







Nuclear Safety

RADIATION EXPOSURE

DEFINITION:
Actual whole-body EFPD (TEDE) received by all personnel at ONS in 2000 (including contractors and visitors).. The 2000 goal is 235 rem.

2000 MEASURES SUCCESS CRITERIA:

GREEN:	Dose under YTD goal with no adverse trends indicated.
YELLOW:	Dose under YTD goal but trend indicates year-end goal in doubt OR Dose over YTD goal but trend indicates year-end goal recoverable.
RED:	Dose trending over YTD goal with year-end goal unrecoverable or unlikely to be achieved.

NOTE: Site RP, in setting the 2000 dose goals assumed non-outage dose as linear throughout the year. In actuality, the monthly dose goal will be
periodically adjusted to reflect movement of significant non-outge dose jobs from month-to-month.

CURRENT MONTH STATUS: RED
Total site exposure for March was 4.758 rem. The estimate for March was 3.862 rem.

Out of normal dose: Unit 1's Forced Outage "wrap-up", due to RCP Seal Failure on three pumps, contributed 0.331 rem. Inspection & Repair of concrete anchors in the Auxiliary Building accounted for 0.103 rem. Seal Supply Filter Replacement, primarily associated with changing power conditions (Unit 1), accounted for 0.433 rem. Letdown Filter Replacement (also, Unit 1) recorded 0.281 rem. Plus, at power entries for Units 1&3 totaled and contributed 0.255 rem.

Total exposure for the year-to-date is 18.588 rem out of an estimate for this period of 11.272 rem.

Increased contaminated areas of the plant included RCZs in Aux. Bldg. Rooms 218, 82, U3 SFP room and Radwaste Room 301. Total contaminated square footage is now 1523 sq. ft.

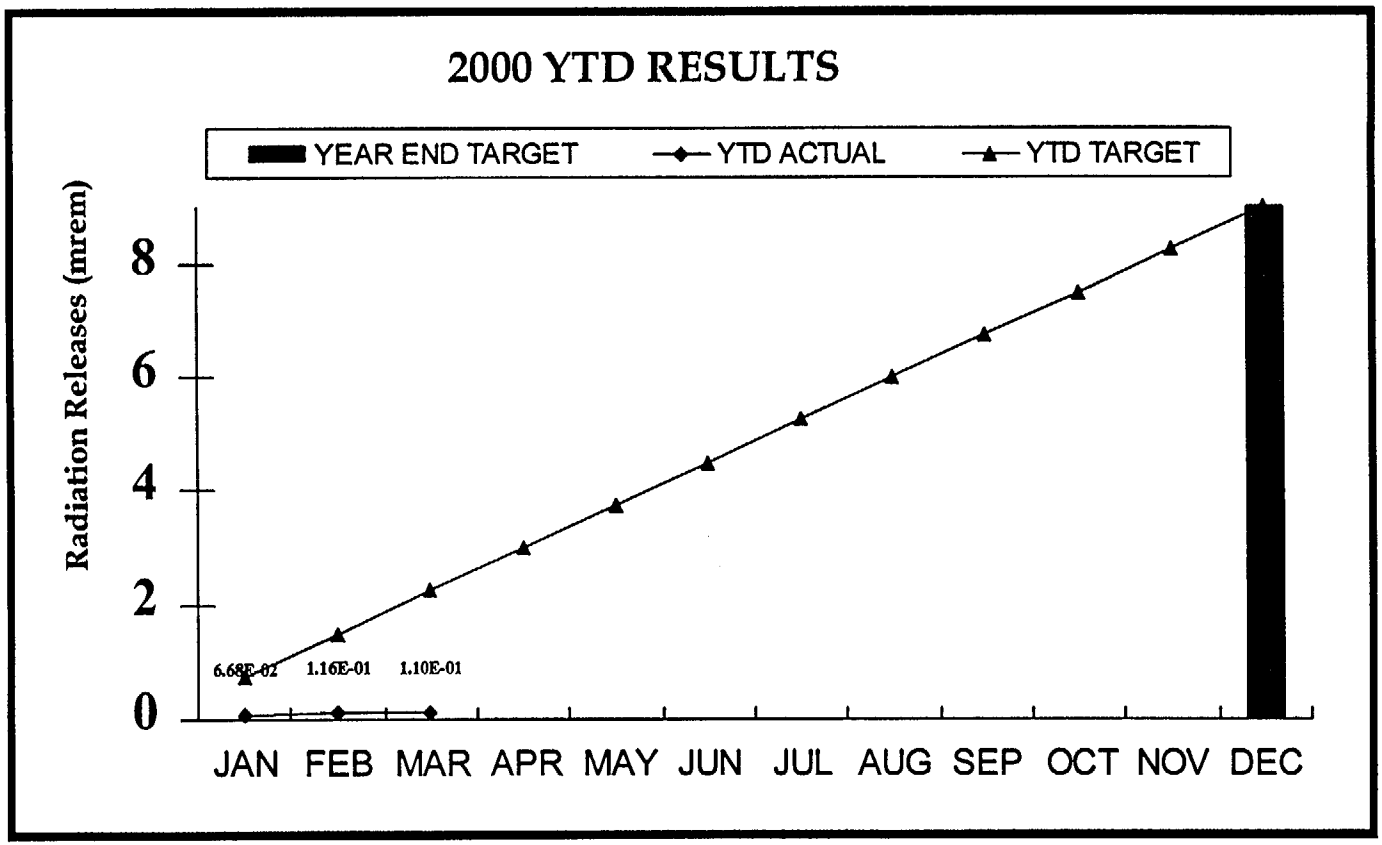
Present number of posted hot spots is 40. Significant source term removal activities in March included: 1) 3LWD-199 reduced from 5 R/hr to 20 mrem/hr during deborating demineralizer sluice, 2) 1LP-54 piping eliminated as hotspot during U1 Forced Outage, and 3) 2LP-129 eliminated as a hot spot by flushing PALS piping.

Oconee is in the First Quartile with 84.7 rem/unit. INPO First Quartile "Best" is 89 rem/unit. (Information from INPO is thru the fourth quarter 1999.)

Nuclear Safety

RADIATION RELEASES

(GREEN)



Nuclear Safety

RADIATION RELEASES

DEFINITION:

Radiation Releases is a measure of the exposure (mrem) received by the public ("Maximum Exposed Individual") as a result of gaseous and liquid radioactive releases made from the plant due to routine operations. It is imperative that we keep this specific measure and results in front of us to ensure optimum performance. Exposure to the public is a critical item. Oconee's annual goal is 9 mrem which equates to 5% of the Total Annual (ALARA) Exposure Limit to the public as defined in 10CFR50 Appendix I.

2000 MEASURES SUCCESS CRITERIA:

GREEN: Radiation releases less than YTD goal with no adverse trends noted

YELLOW: Radiation releases exceed YTD goal but trend indicates year-end goal achievable OR less than YTD goal but trend indicates year-end goal is in doubt.

RED: Radiation releases exceed YTD goal and year-end goal appears unrecoverable or unlikely to be achieved.

CURRENT MONTH STATUS:

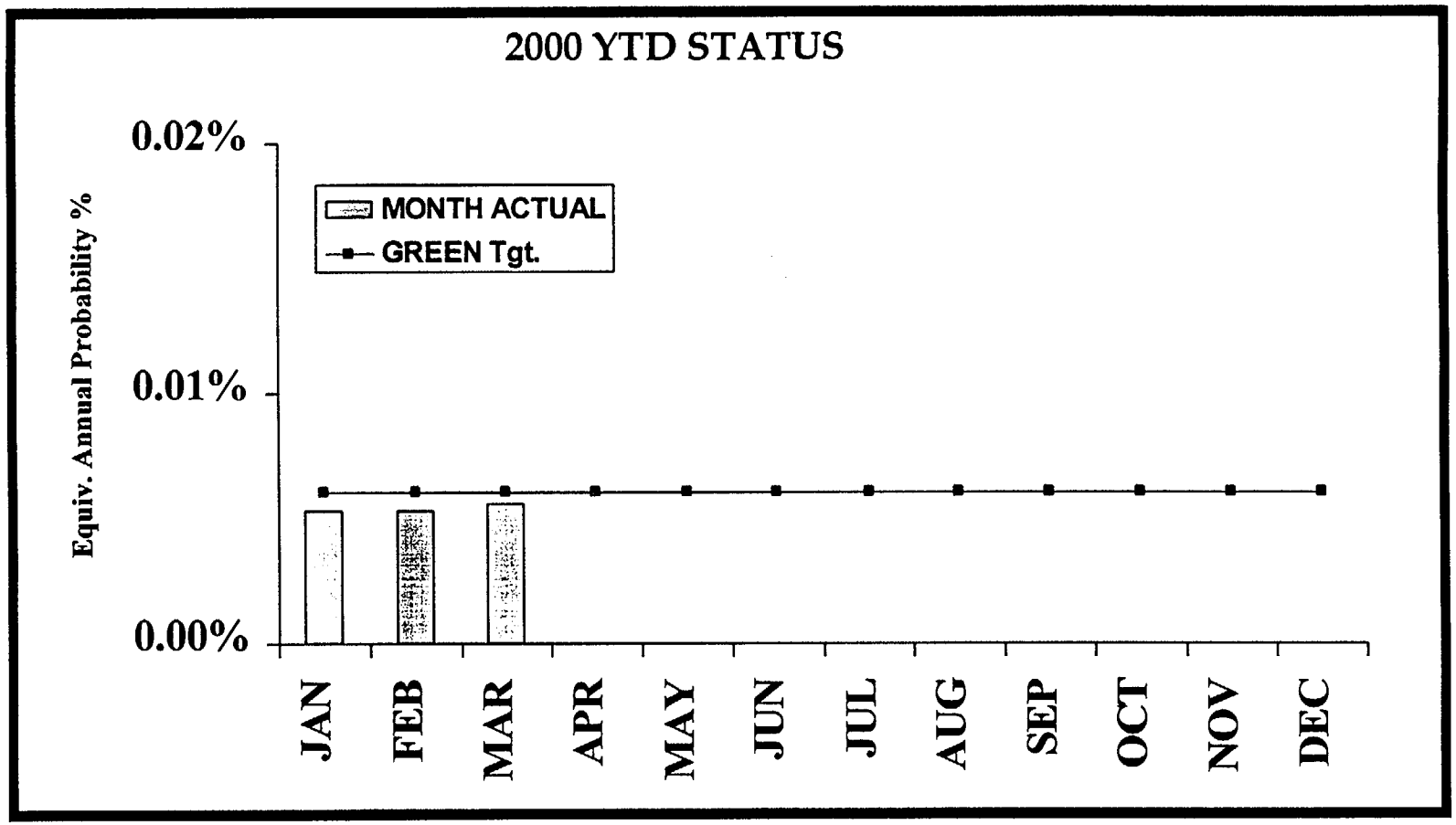
GREEN : YTD Radiation Releases total 1.10E-01 mrem, well below our year end goal of 9 mrem . The YTD total dose is comprised of the following:

Liquid Total Body Dose:	**3.57E-02 mrem**
Liquid Max Organ Dose:	**4.96E-02 mrem**
Gas Air Gamma Dose:	**4.24E-05 mrad**
Gas Air Beta Dose:	**1.39E-04 mrad**
Gas Max Organ Dose:	**2.44E-02 mrem**

Nuclear Safety

REACTOR CORE SAFETY

(GREEN)



Nuclear Safety

REACTOR CORE SAFETY

DEFINITION: The Reactor Core Safety measure is based on the desire to make use of risk-informed decision making to the extent reasonable and practical i and reliable operations of the nuclear power plants. The intent is to avoid accidents of concern and to maintain high readiness of safety systems and operator response capability, thereby achieving a high level of safety margin with respect to potential accidents resulting in core damage.

Proper planning of equipment and unit outages, integrated safety assessments by the ORAM-SENTINEL tool, recognizing and minimizing operation at high risk conditions, and appropriately balancing outage and innage work are considered to be the key elements of operational strategy to maintain the desired level of core damage safety margin.

A value for each individual reactor unit based on that unit's average baseline core damage frequency (excluding seismic events) will be used as the target value, considering both at power and shutdown conditions. This goal results in a very high safety margin (less than one chance in 10,000) of core damage accidents of concern and permits prudent actions to maintain power production capability and risk management.

Using the ORAM-SENTINEL tool, the core damage risk profile of each reactor unit will be evaluated based on actual out of service hours of the vital plant equipment. Calculations will be performed for both innage conditions and shutdown conditions to capture the total core damage risk. In addition to the ORAM-SENTINEL values of the core damage risk profile, any contribution from a core damage precursor event will be added to obtain the total risk value.

The Reactor Core Safety measure for each unit will be computed as the total of:

Innage Core Damage Probability (excl. seismic) + Outage Core Damage Probability + Precursor Core Damage Probability

The year-to-date values will be compiled and reported on a monthly basis.

2000 MEASURES SUCCESS CRITERIA:

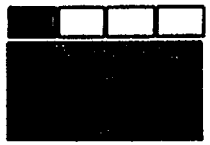
GREEN:	Core Damage Probability < 6.0E-5 (6/100,000) per year.
YELLOW:	Core Damage Probability ≥ 6.0E-5 and ≤ 7.5E-5 per year
RED:	Core Damage Probability > 7.5E-5 (7.5/100,000) per year

CURRENT STATUS: GREEN

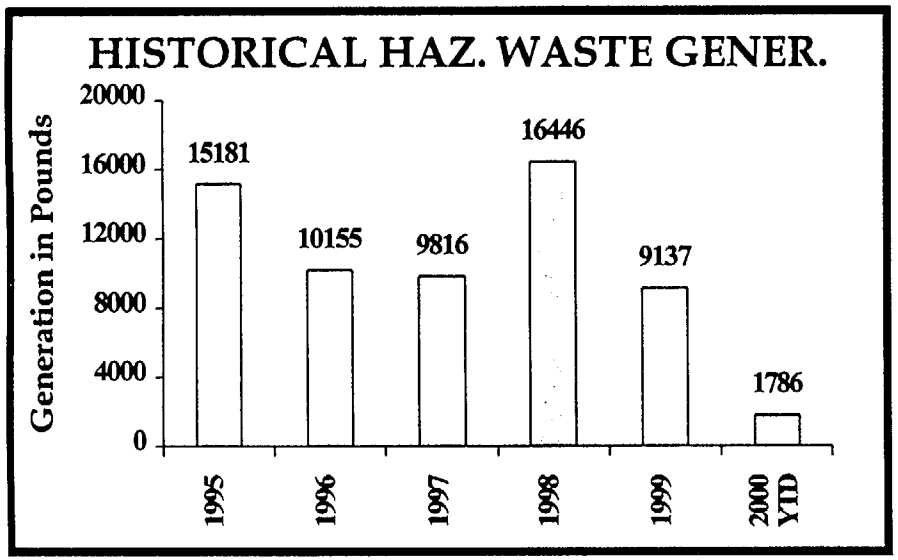
Unit 1: 5.43E-05
Unit 2: 5.48E-05
Unit 3: 5.82E-05

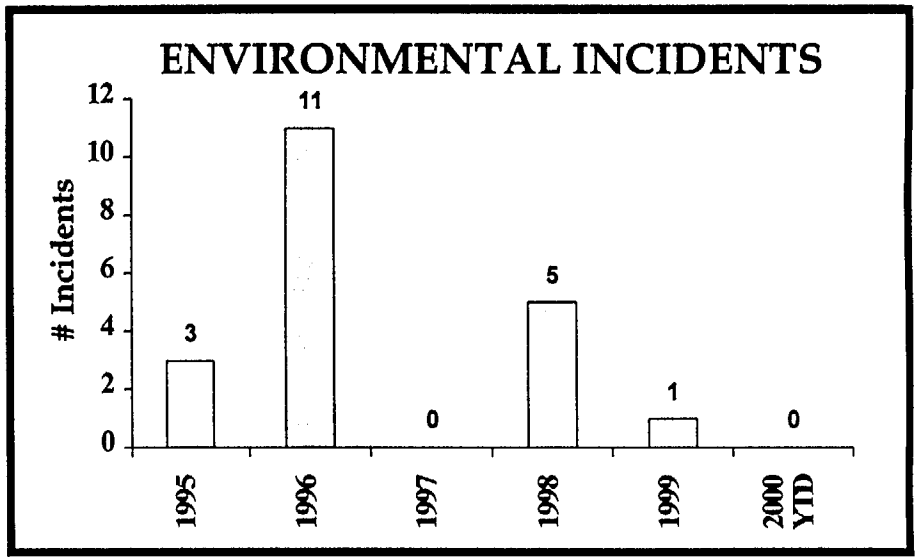
Nuclear Safety

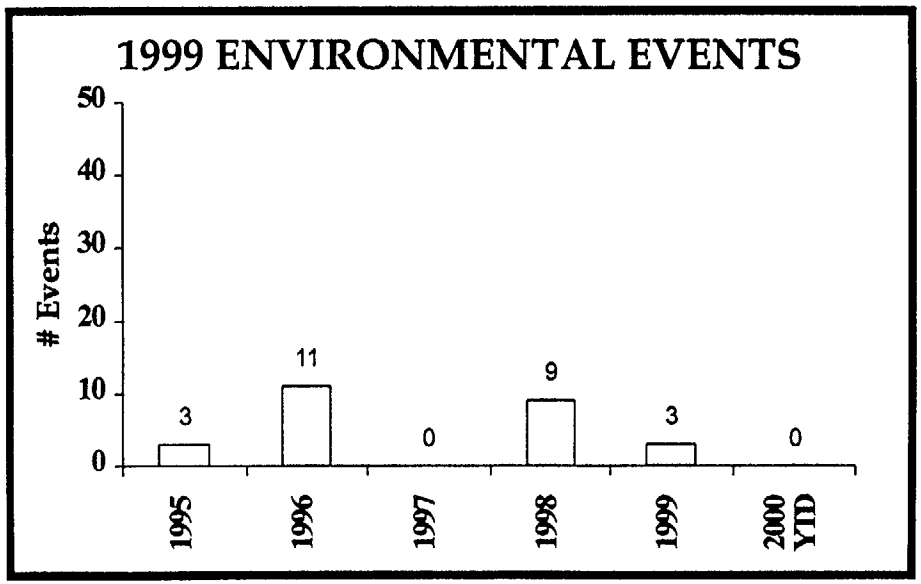
ENVIRONMENTAL INDEX



(Green)







Nuclear Safety

ENVIRONMENTAL INDEX

DEFINITION:
Environmental Performance is evaluated based on seven success measures of minimized impact to the environment due to plant operations.

1999 MEASURES SUCCESS CRITERIA:
GREEN: ≥ 5 of 6 Measures on target
YELLOW: ≥ 4 of 6 Measures on target
RED: < 4 of 6 measures on target

CURRENT MONTH STATUS:
GREEN: All Environmental Index sub-measures are on target YTD March.

OVERALL CRITERIA	GREEN	YELLOW	RED	ACTUAL
Sub-Measures On Target	≥ 5	≥ 4	< 4	6 - Green

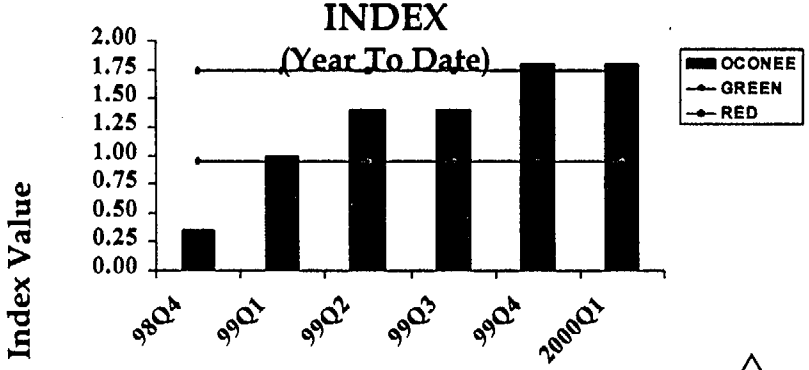
SUB-MEASURES	CRITERIA	ACTUAL	ON/OFF
Environmental Fines	0 Fines	0	ON
Hazardous Waste Generation	< 12,617 lbs.	1,786 lbs	ON
Environmental Incidents	≤ 1 per year	0	ON
Environmental Assessment Score	90-95 %		ON
Assessment Process Rating	Rating of 1 or 2		ON
Environmental Events	< 10 per year	0	ON
YTD Near Misses	2000 Trending Only	39	N/A

Nuclear Safety

HUMAN PERFORMANCE INDEX

(GREEN)

HUMAN PERFORMANCE INDEX
(Year To Date)



GOOD

SYSTEM CULTURE INDEX
(Year To Date)

CNS Culture Index = 14.15

MNS Culture Index = 14.03

ONS Culture Index = 13.80

SYSTEM AVERAGE = 13.99

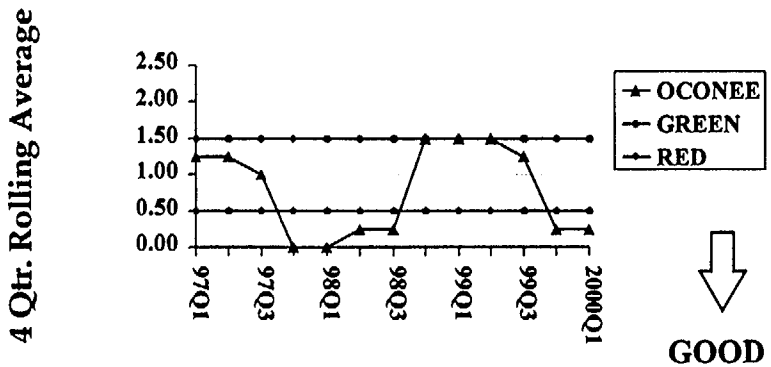
G ≥ 14.50

Y ≥ 13.50

R < 13.50

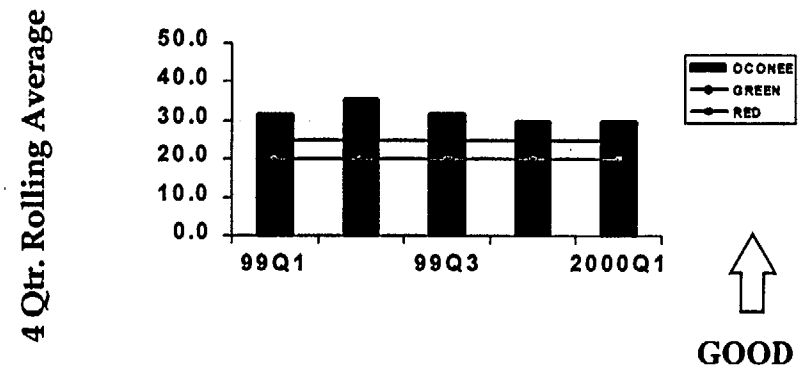
GOOD

HUMAN PERFORMANCE LERs
(4 Qtr. Rolling Average)



GOOD

LSE vs. MSE HUMAN PERFORMANCE PIPs
(4 Qtr. Rolling Ratio)*



GOOD

*Includes Cause Codes A-C, F-L, and O. Does not include Category 4 PIPs.

Nuclear Safety

HUMAN PERFORMANCE INDEX

DEFINITION:

The Human Performance index is a weighted summation of point values for the following factors:
- -- Site Culture Index (conducted annually)
- -- No. of Human Performance LERs - 4 Qtr. rolling average
- -- Ratio of LSEs vs. MSEs Human Performance PIPs - 4 Qtr. rolling average

2000 MEASURES SUCCESS CRITERIA:

Overall Measure = (Site Culture Index points x .20) + (H.P. LER points x .40) + (LSE/MSE PIP points x .40)

SUB-MEASURES	SITE CULTURE INDEX (20% of total weight) Goal: 14.5 by 12/31/99	HUMAN PERFORMANCE LERs (40% of total weight) Goal: Top Quartile (0.25/unit per Qtr.)	LSE vs. MSE HP PIPs (40% of total weight) Goal: 25 :1 ratio
2 points	≥ 14.5	≤ 0.50	≥ 25 :1
1 point	≥ 13.5	≤ 1.50	≥ 20 :1
0 points	< 13.5	> 1.50	< 20 :1

CURRENT QUARTER STATUS:

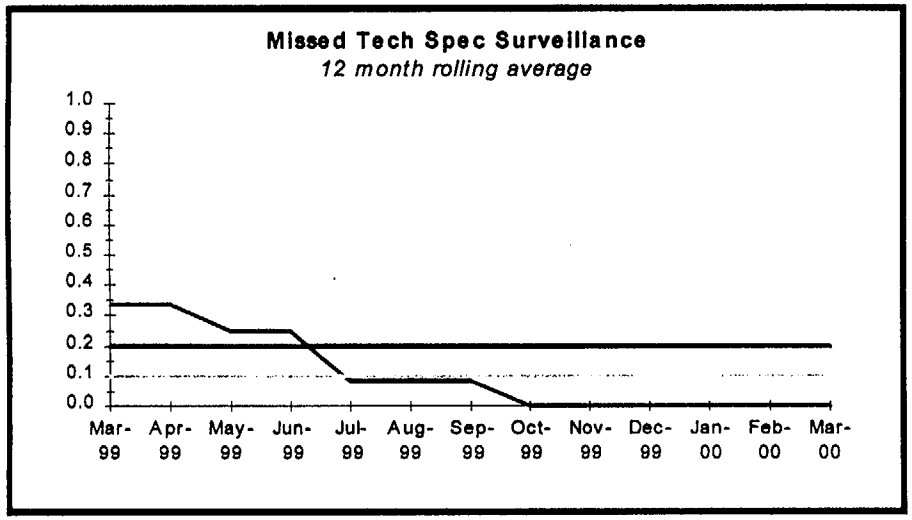
	Actual	Points		Weight		Index
Site Culture Index	13.80	1 point	x	.20	=	0.20
H.P. LERs	.25	2 point	x	.40	=	0.80
LSE vs. MSE PIP Ratio	30:1	2 point	x	.40	=	0.80
				CURRENT INDEX	=	1.80

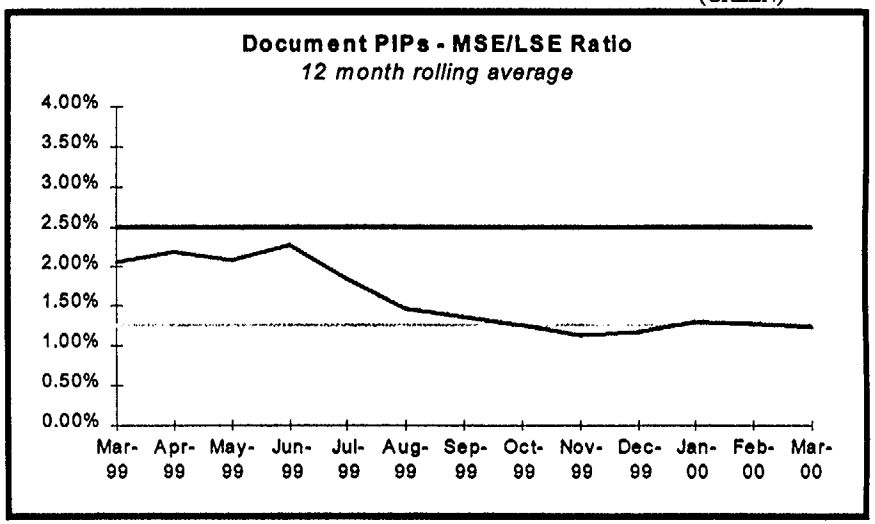
Green:	≥ 1.75 pts.
Yellow:	≥ 0.95 pts.
Red:	< 0.95 pts.

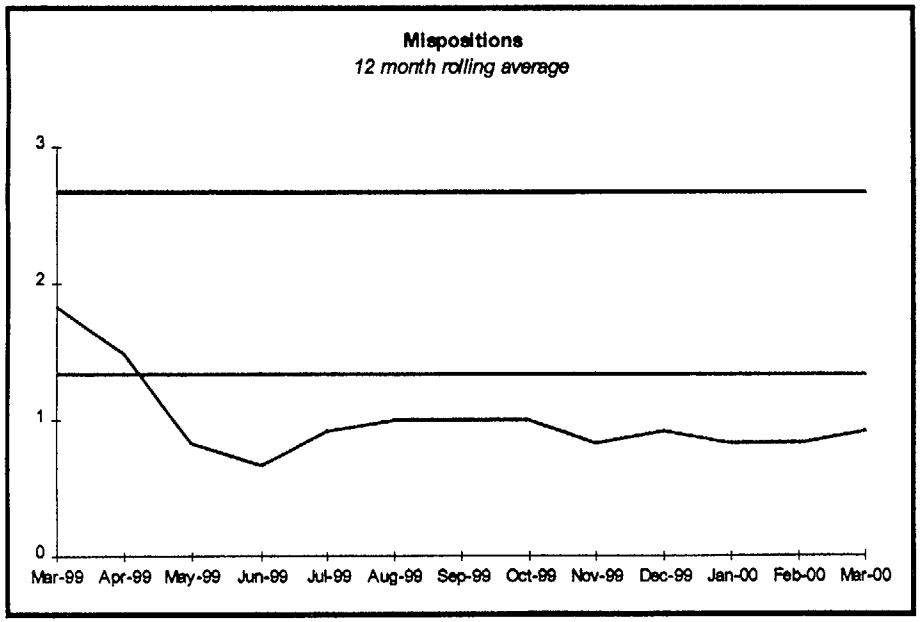
Nuclear Safety

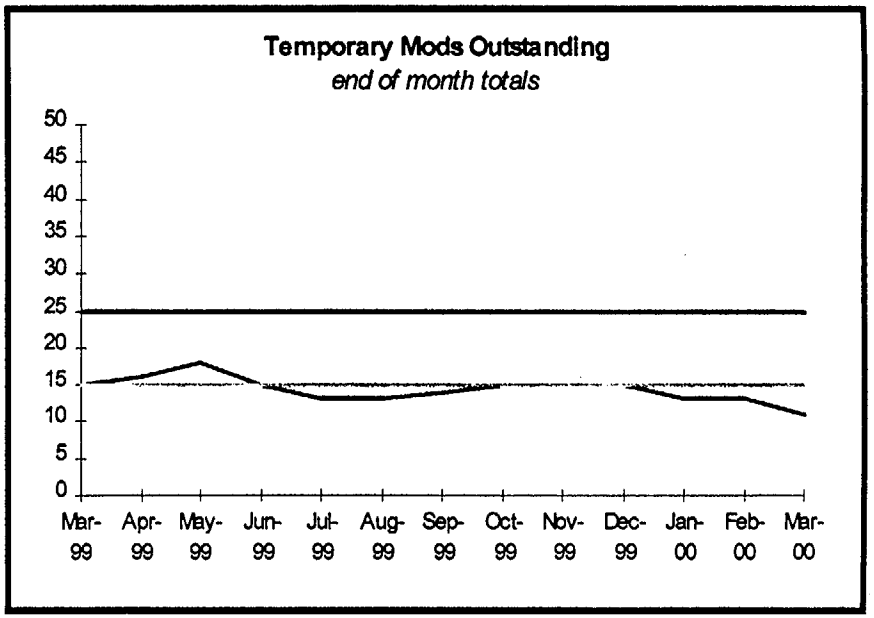
CONFIGURATION MGMT. HEALTH

(GREEN)









Nuclear Safety

CONFIGURATION MGMT. HEALTH

DEFINITIONS:

Configuration Management is evaluated based on four (4) sub-measures:

- Document Related PIPs - Ratio of MSEs to LSEs - Number of MSE PIPs divided by number of LSE PIPs with event codes D (Document Issues).
- Number of Missed Tech Spec Surveillances (PIPs) - PIPS with Event Code A4, A4a, A4b and A4c (not necessarily listed as Primary event code - MSE only
- Number of Mispos - PIPs with Event Code J (excluding the near misses).
- Temporary Mods Outstanding - Number of Temporary Mods outstanding (snapshot at end of month).

2000 MEASURES SUCCESS CRITERIA:

GREEN: ≥ 6 sub-measure points
YELLOW: 3 - 5 sub-measure points
RED: < 3 sub-measure points

CURRENT MONTH STATUS: GREEN

Configuration Management Index for period ending: March-00

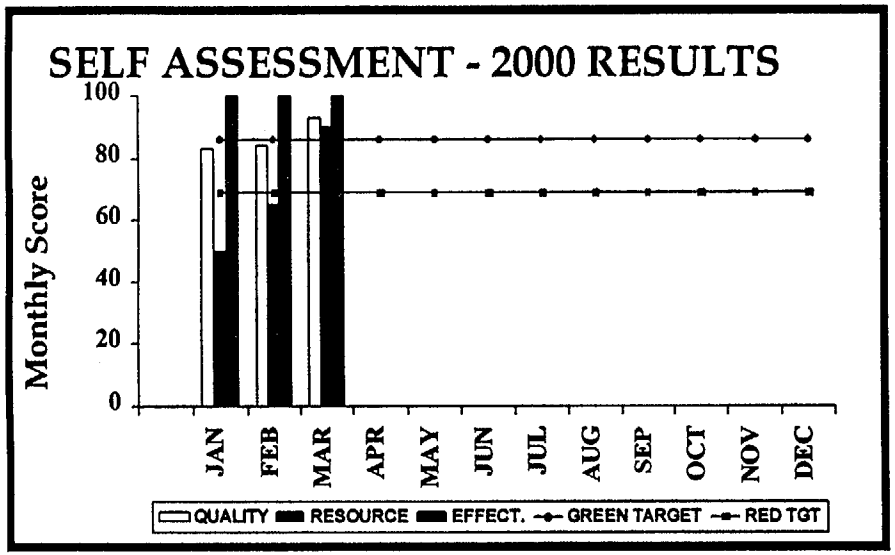
CRITERIA	GREEN (2 points)	YELLOW (1 point)	RED (0 points)	To Date Actual	POINTS	Color
Document Related PIPs - MSE/LSE ratio	< 1.25 %	1.25% - 2.5%	> 2.5 %	1.23%	2	GREEN
Number of Missed Tech Spec Surveillances (PIPs)	< 0.1	0.1 - 0.2	> 0.2	0.0	2	GREEN
Number of Mispos	< 1.33 per month (cumulative)	1.33-2.67 per month (cumulative)	>2.67 per month (cumulative)	0.9	2	GREEN
Temporary Mods Outstanding	< 15	15-25	> 25	11	2	GREEN
TOTAL		3 - 5	< 3		8	GREEN

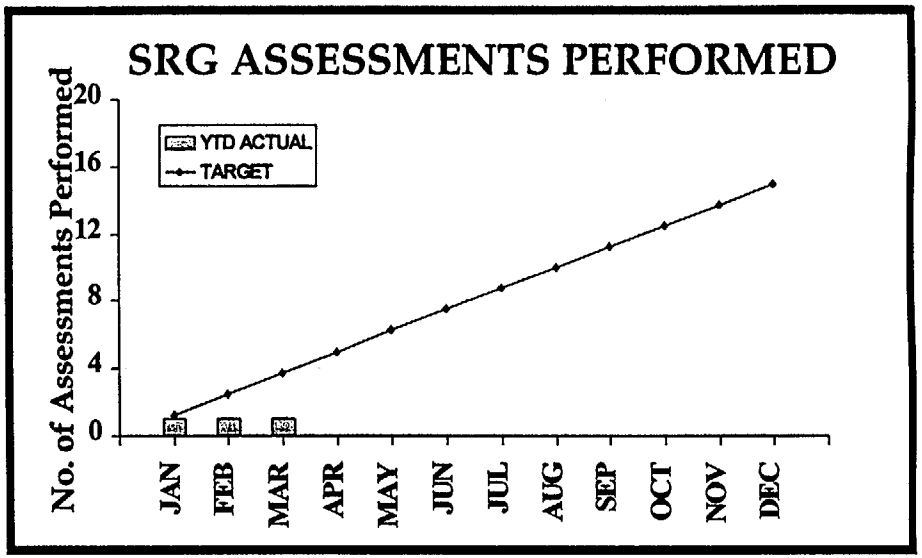
CM INDEX

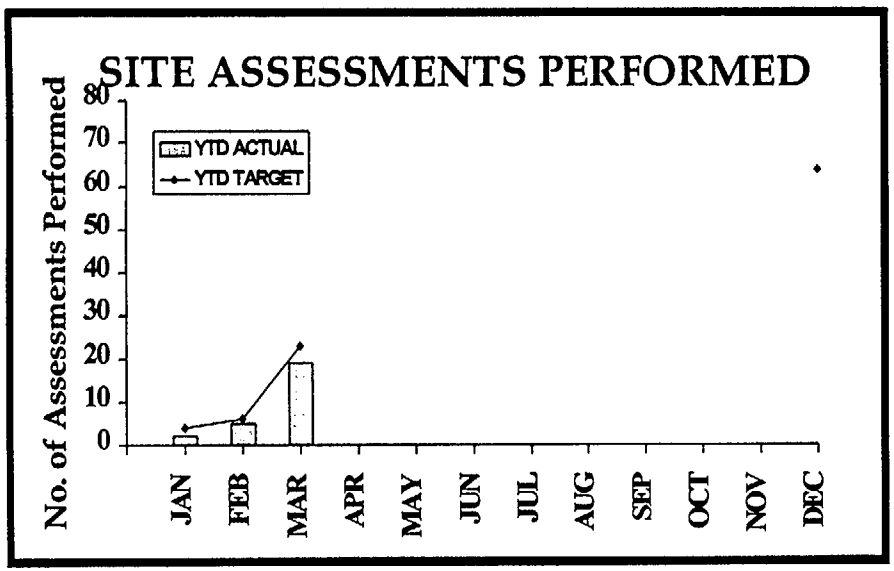
Nuclear Safety

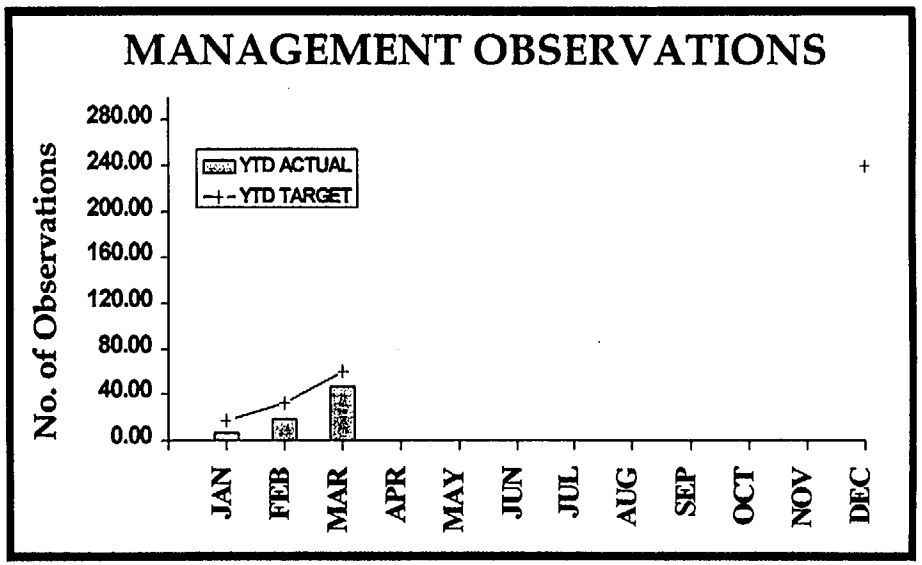
SELF ASSESSMENT PROGRAM

(GREEN)









Nuclear Safety

SELF ASSESSMENT PROGRAM

MARCH 2000

CRITERIA	POSSIBLE SCORE	MONTH ACTUAL	MONTH STATUS	YTD AVG.	ON/OFF TARGET
QUALITY MEASURE:					
-- Appropriate Assessment	20 points	19	Green	17	ON
-- Scope/Assessment Plan	15 points	12	Yellow	12	OFF
-- Documentation/Results	40 points	40	Green	39	ON
-- Appropriate Findings/Corrective Actions	25 points	23	Green	20	OFF
Total QUALITY	100 points	94	**GREEN**	**88**	**ON**
RESOURCE MEASURE:					
-- Level 1 and 2 Group Assessments	25 points	20	Yellow	23	ON
-- MOP	25 points	20	Yellow	23	ON
-- SRG Level 1 (2) Assessments	25 points	25	Green	13	OFF
-- G.O. Level 2 (3) Assessments	15 points	15	Green	05	OFF
-- Site-Wide Benchmarking	10 points	10	Green	03	OFF
Total RESOURCE	100 points	90	**GREEN**	**67**	**OFF**
EFFECTIVENESS MEASURE:					
-- INPO Identified Significant Event (SER or SOER) for the Site	Threshold	00	Green	00	ON
-- Level 1 MSE PIPs Discovered During the Month	50 points	50	Green	50	ON
-- Acceptance of Assessment Corrective Actions Assigned 3 Months Ago	50 points	50	Green	50	ON
Total EFFECTIVENESS	100 points	**100**	**GREEN**	**100**	**ON**
TOTAL SELF ASSESSMENT	**300 points**	**284**	**GREEN**	**252**	**OFF**

Nuclear Safety

SELF ASSESSMENT PROGRAM

DEFINITION:

The **Self Assessment Program** measure is evaluated in three parts: (1) a Quality Measure – how good are our assessments, are we looking at the right things, getting good results and identifying appropriate corrective actions, (2) a Resource Measure – are we doing enough Assessments, Manager Observations, SRG, and NAID activities and benchmarking to identify and improve on our short comings, and (3) an Effectiveness Measure – are we preventing events, are the corrective actions identified in assessments being accepted by the appropriate groups.

Quality Measure (100 possible points): NOTE: All Group Assessments and MOPs will be averaged to determine the monthly total.

– Appropriate Assessment	- Meets NSD 607 guidance = 20 points; Does not meet NSD 607 guidance = 0 points, OEP driven = 5 bonus points..
– Well-defined Plan, Purpose, Scope, Compliance with NSD 607	- Detailed Plan, Concise Purpose & Scope, and followed NSD 607 = 15 points; Marginal Plan, Purpose, & Scope, and Followed NSD 607 = = 10 points; No Plan, Vague Purpose and Scope, and Partial Compliance With NSD 607 = 5 points; No Plan, Purpose, and Scope, and No Compliance With NSD 607 = 0 points.
– Documentation and Results	- Clear and Concise Document With All Objectives Met = 40 points; Vague and Confusing Document With Some Objectives Met = 20 points; Poorly Written Document With No Objectives Met = 0 points.
– Appropriate Findings, Areas of Improvement and/or Corrective Actions	- All Identified Items Are Appropriate With Supporting Information Provided = 25 points; Most Identified Items Are Appropriate With Some Supporting Information Provided = 10; Few Identified Items Are Appropriate With No Supporting Information Provided = 0 points.

Resource Measure (100 possible points):

– Level 1 and 2 Group Assessments	≥ 90 % Completed vs. Scheduled = 25 points; ≥ 80 % Completed vs. Scheduled = 20 points; ≥ 70 % Completed vs. Scheduled = 15 points. 25 points maximum.
– MOP:	≥ 90 % Completed vs. Scheduled = 25 points; ≥ 80 % Completed vs. Scheduled = 20 points; ≥ 70 % Completed vs. Scheduled = 15 points. 25 points maximum.
– SRG Level 1 (2):	≥ 90 % Completed vs. Scheduled = 10 (15) points; ≥ 80 % Completed vs. Scheduled = 7 (10) points; ≥ 70 % Completed vs. Scheduled = 5 (7) points. (Add results of Level 1 and 2 assessments for total score). 25 points maximum.
– GO Level 2 (3):	≥ 90 % Completed vs. Scheduled = 5 (10) points; ≥ 80 % Completed vs. Scheduled = 3 (7) points; ≥ 70 % Completed vs. Scheduled =1 (5) points. (Add results of Level 2 and 3 assessments for total score). 15 points maximum.
– Site Wide Benchmarking:	Site maintains an average of ≥ 2 documented benchmarking efforts per month = 10 points; average of ≥ 1 documented benchmarking effort per month = 5 points. 10 points maximum.

Effectiveness Measure (100 possible points):

– INPO identified Significant Event (SER or SOER):	1 = ZERO for measure
– Level 1 MSE PIPs Discovered During the Month:	≤ 1/month = 50 points; ≤ 2/month = 30 points; ≤ 3/month = 20 points; ≤ 4/month = 10 points; > 4/month = 0.
– Acceptance of Assessment Corrective Actions Assigned 3 Months Ago:	≥ 90% CA accepted = 50 points; ≥ 80% = 30 points; ≥ 70% = 20 points; < 70% = 0 points.

2000 MEASURES SUCCESS CRITERIA:

GREEN:	> 255 total points (85% of total) with no sub-measures RED
YELLOW:	> 210 total points (70% of total) with no more than one sub measure RED
RED:	< 210 total points

CURRENT MONTH STATUS: GREEN

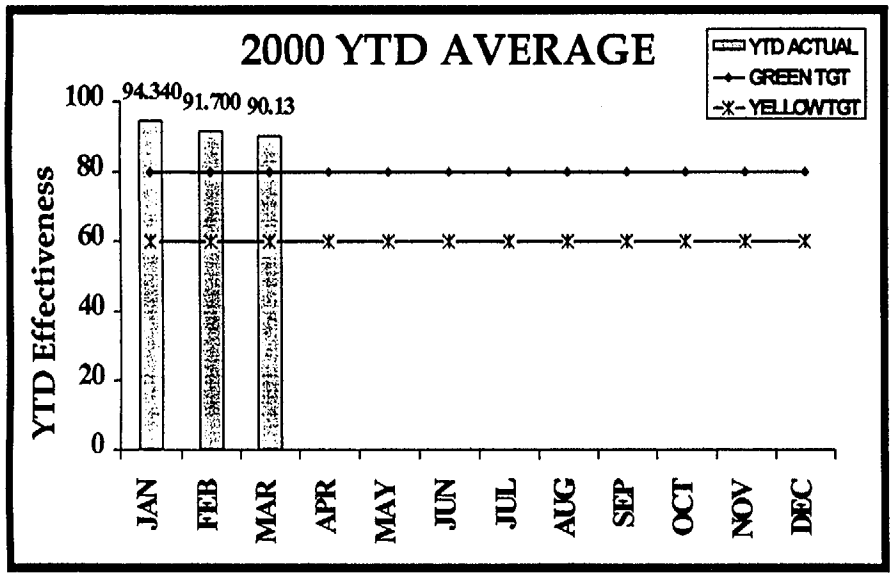
- For March, the Self Assessment measure stands at 284 of a possible 300 points. This represents a 35 point improvement over February. All sub-measures were Green. The overall measure for March is Green.

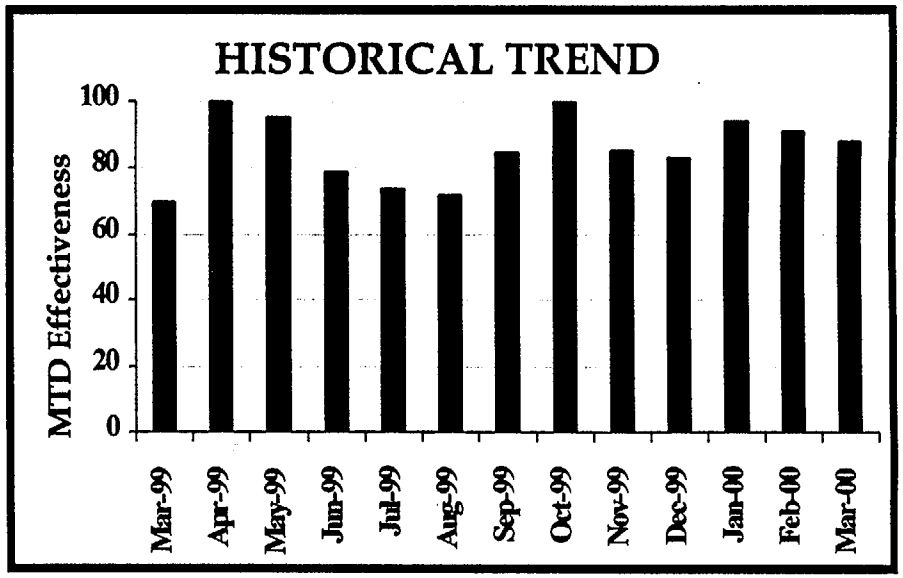
- Through March, the Year To Date Points Average for this measurement is 252 (An 11 point improvement over February)

Nuclear Safety

CORRECTIVE ACTION PROGRAM

(GREEN)





Nuclear Safety

CORRECTIVE ACTION PROGRAM

DEFINITION:

Corrective Action Program Health is evaluated based on how well PIPs are addressed at the site. Each PIP is evaluated based on three broad categories weighted as follows: Problem Evaluation Effectiveness (40%), Corrective Action Effectiveness (40%) and Trending Effectiveness (20%). The Problem Evaluation and Corrective Action categories are evaluated as to Quality and Timeliness while the Trending category is evaluated solely on Timeliness.

The overall score of the Corrective Action Program measure is based on the YTD average results for all PIPs included in the measure with 80% of possible points required to meet expectations. This overall score can be further reduced by multipliers for Repeat Events (0.8) and Similar Events (0.9). These multipliers are applied cumulatively.

2000 MEASURES SUCCESS CRITERIA:

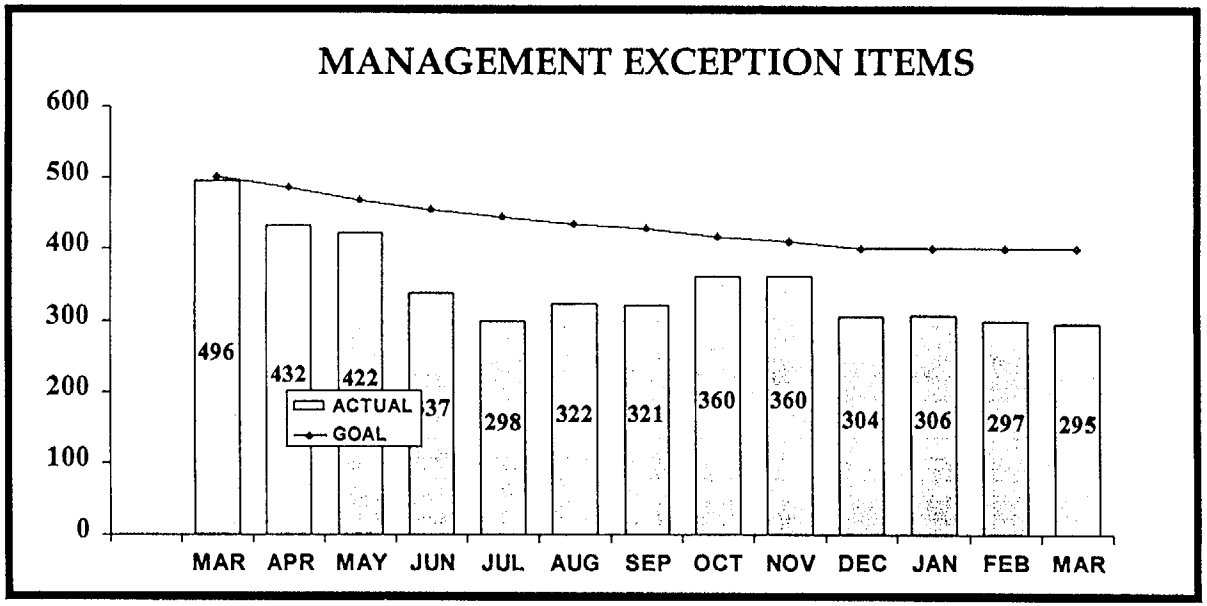
GREEN: ≥ 80% YTD Average Evaluation Score
YELLOW: ≥ 60% YTD Average Evaluation Score
RED: < 59% YTD Average Evaluation Score

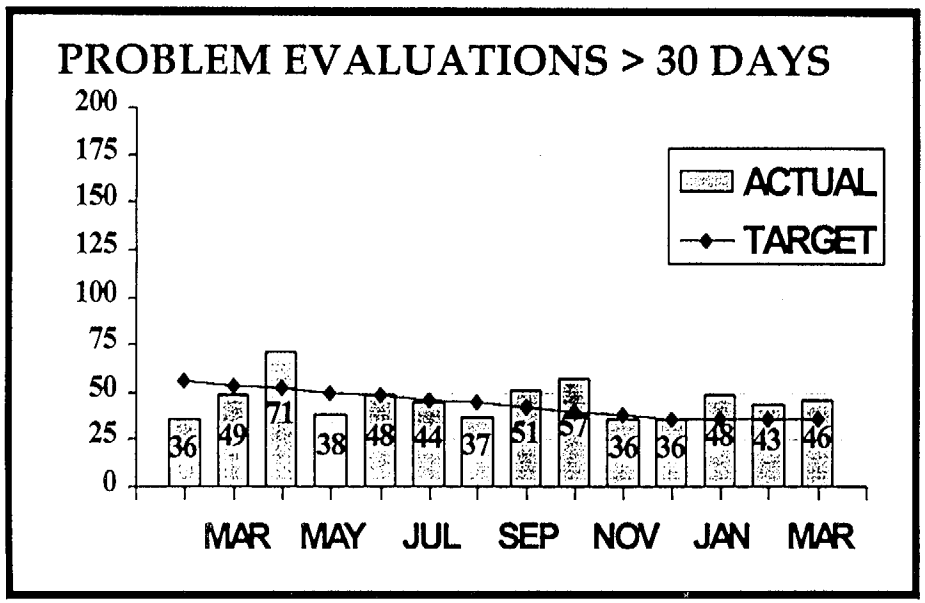
CURRENT MONTH STATUS: GREEN

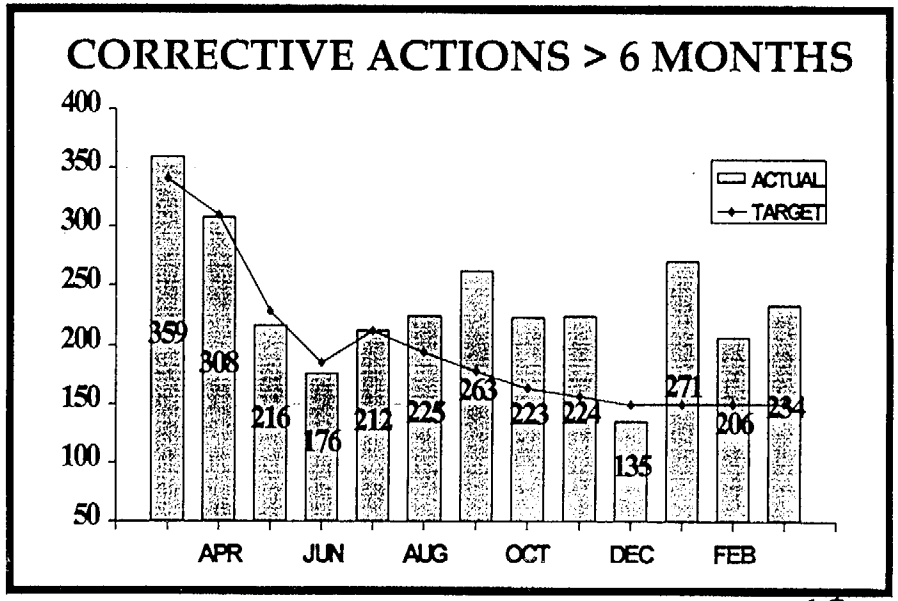
SUB-MEASURES	POSSIBLE SCORE	YTD AVG. SCORE
PROBLEM EVALUATION (40%):		
Quality - Root Cause	10	9.5
Quality - Apparent Cause	10	10
Timeliness - Root Cause	10	10
Timeliness - Apparent Cause	10	7
CORRECTIVE ACTION (40%):		
Quality of Corrective Actions	20	8.75
Timeliness of Corrective Actions	20	7
TRENDING (20%):		
Work Group Trending	10	10
Safety Review Group Trending	10	10
INITIAL CORRECTIVE ACTION SCORE	100	90.13
- Repeat/Similar Event Multiplier		- 0
FINAL CORRECTIVE ACTION SCORE		90.13

Nuclear Safety

CORRECTIVE ACTION PROGRAM (PIP TRENDS)



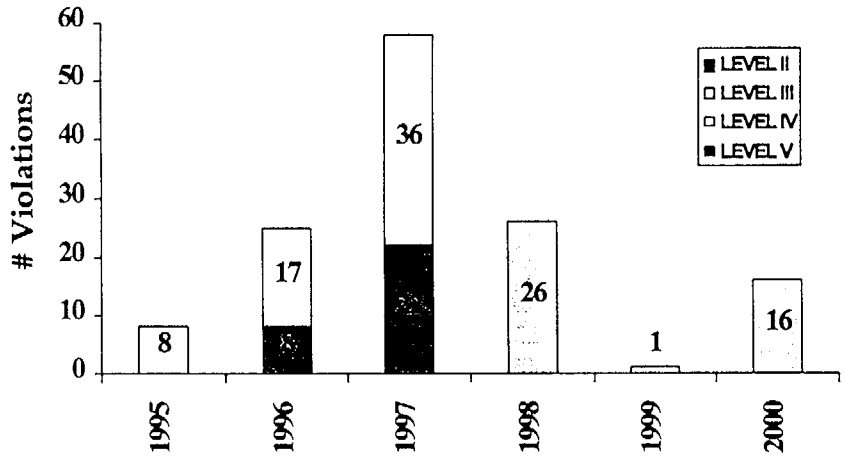




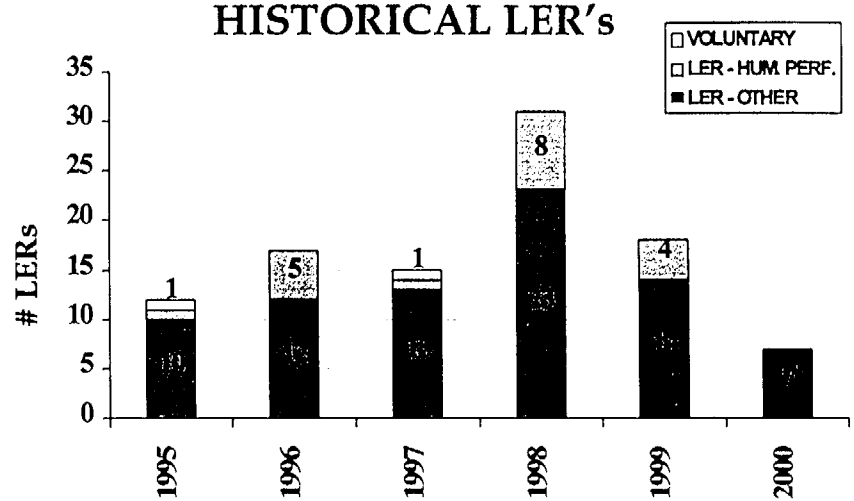
Nuclear Safety

REGULATORY HEALTH

HISTORICAL NRC VIOLATIONS



HISTORICAL LER's



2000 OCONEE NRC VIOLATIONS

Mon.	Level	Description of Violation

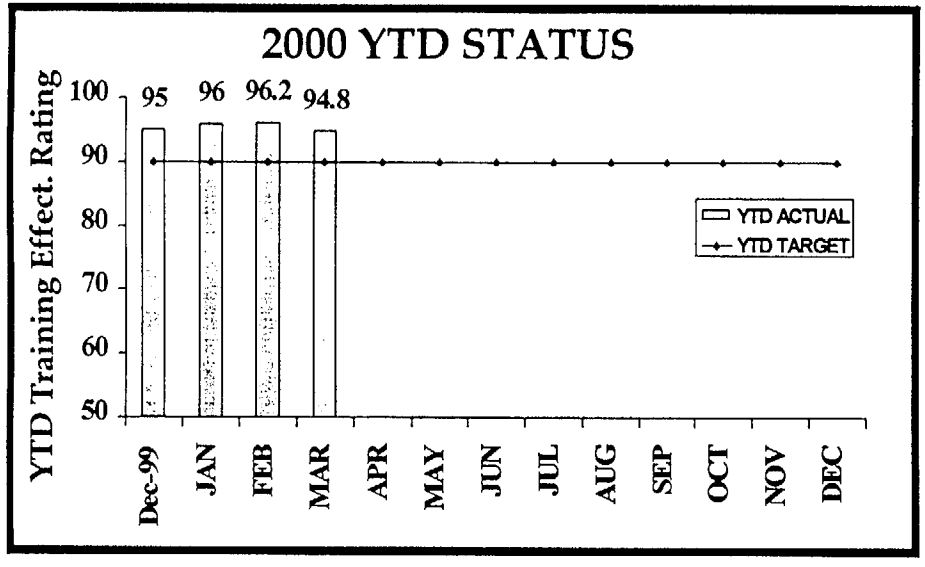
* ONS has 16 Level IV non cited violations through March

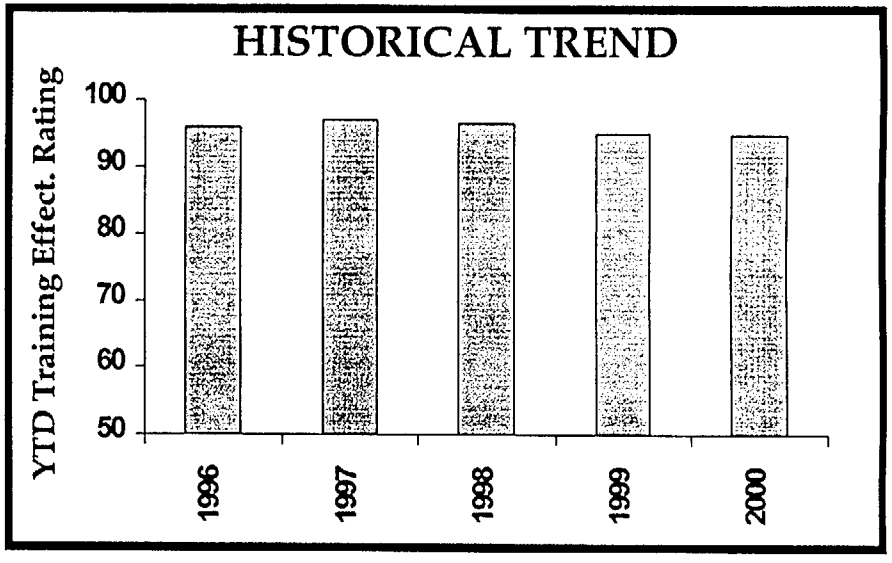
2000 OCONEE LER'S

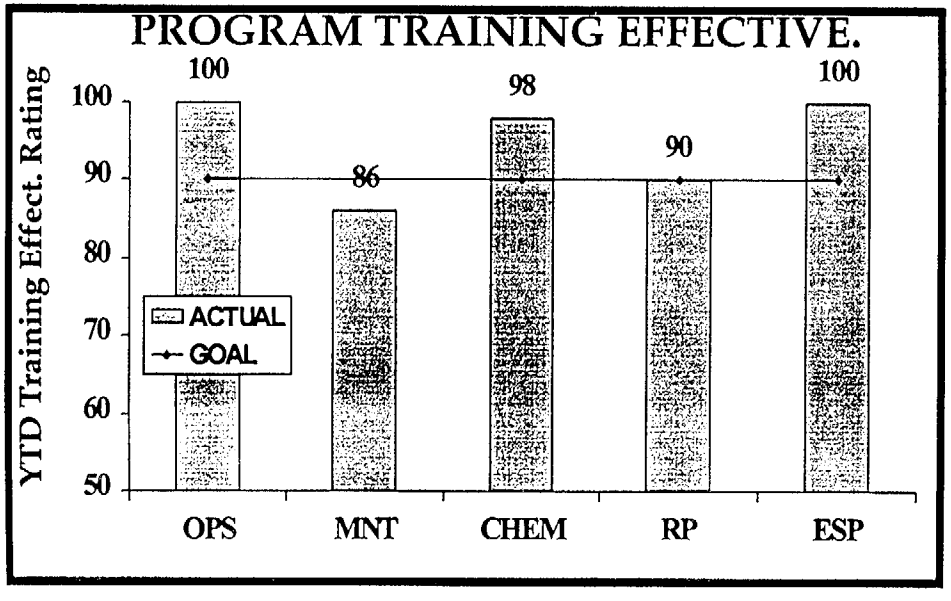
Date	Description of LER
1/13/00	3 RBCU Inoperable > 7 days
1/20/00	Unit Trip, control valves closed due to intermittent short circuit
2/2/00	Unit 3 reactor trip due to inadequate installation of temperature controller tubing
2/2/00	2RC-67 as found setpoint pressure outside +/- 1% of code
2/16/00	RCP Oil leak and missed reportability
2/23/00	Missed surveillance of 3LP 92 & 93
3/17/00	RCS pressure boundary leak on 1B2 cold leg drain line due to thermal fatigue in drain pipe

Nuclear Safety

TRAINING TRENDS

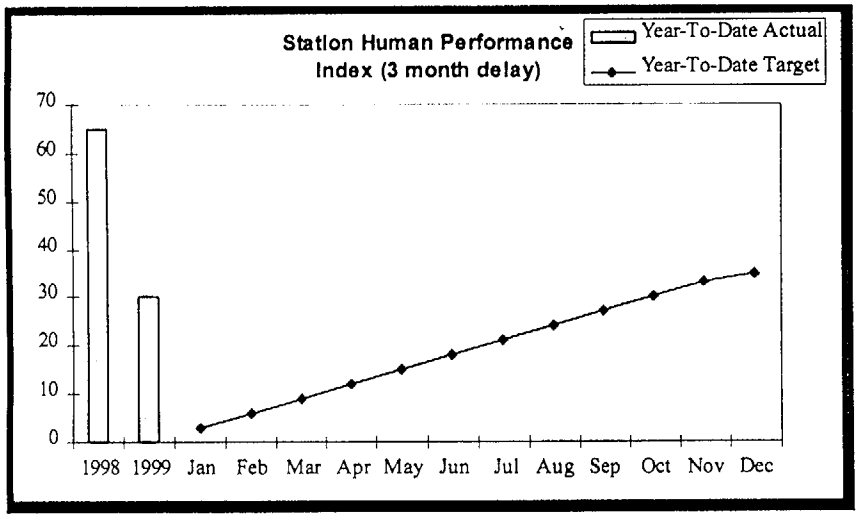


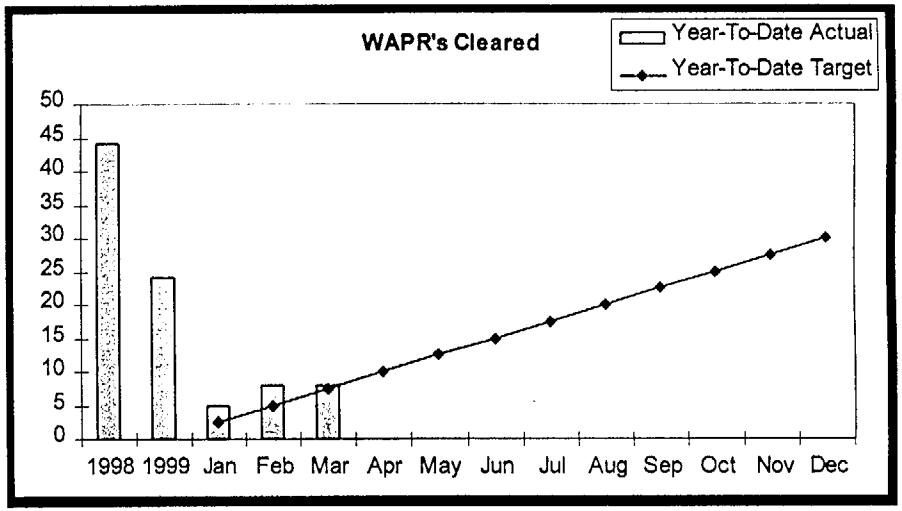


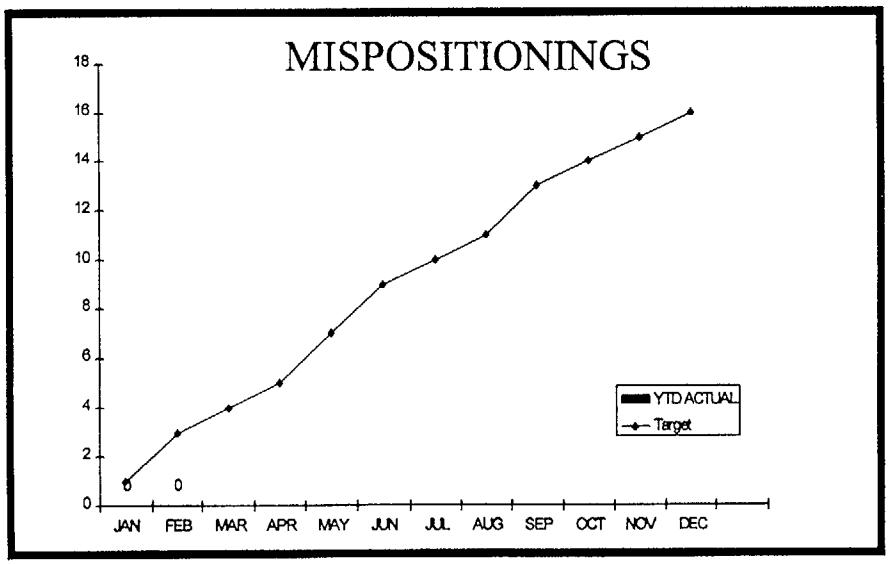


Nuclear Safety

HUMAN PERFORMANCE TRENDS





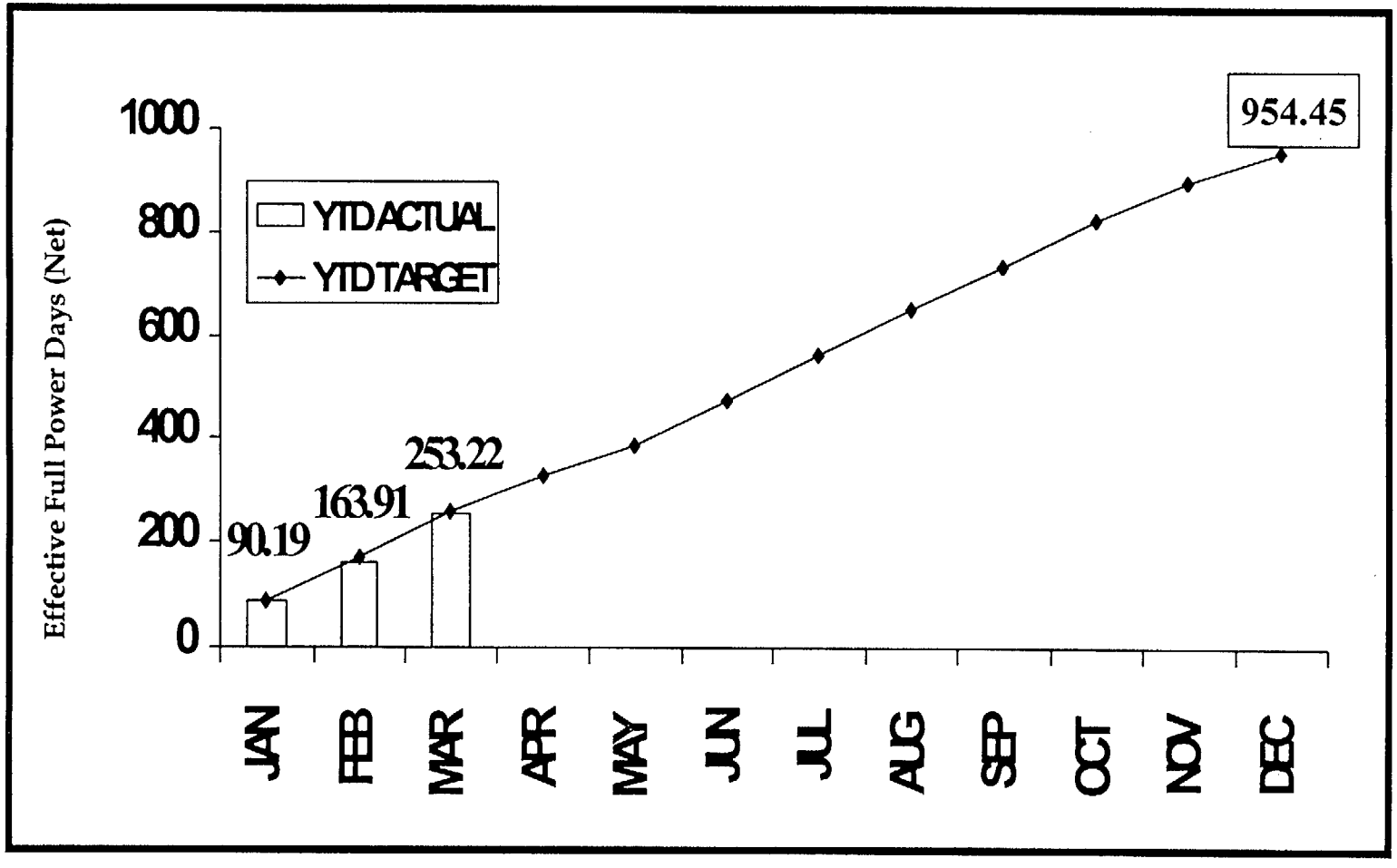


Production

EFFECTIVE FULL POWER DAYS

EFFECTIVE FULL-POWER DAYS (Forbes) $ (YELLOW)

2000 YTD RESULTS



Production

EFFECTIVE FULL POWER DAYS

DEFINITION:
Effective full-power days for Oconee based on actual fuel core burn. The 2000 target is based on 40 scheduled outage days for both Unit 1 and Unit 3 and a refueling-to-refueling capacity factor of 95.0% for these two units plus 95% capacity factor for Unit 2. Our 2000 target of 954.45 allows for 55.5 forced outage days.

2000 MEASURES SUCCESS CRITERIA:

GREEN:	YTD Actual and Year-end projection ≥ Target performance
YELLOW:	YTD Actual and Year-end projection ≥ Minimum performance
RED:	YTD Actual and Year-end projection < Minimum performance

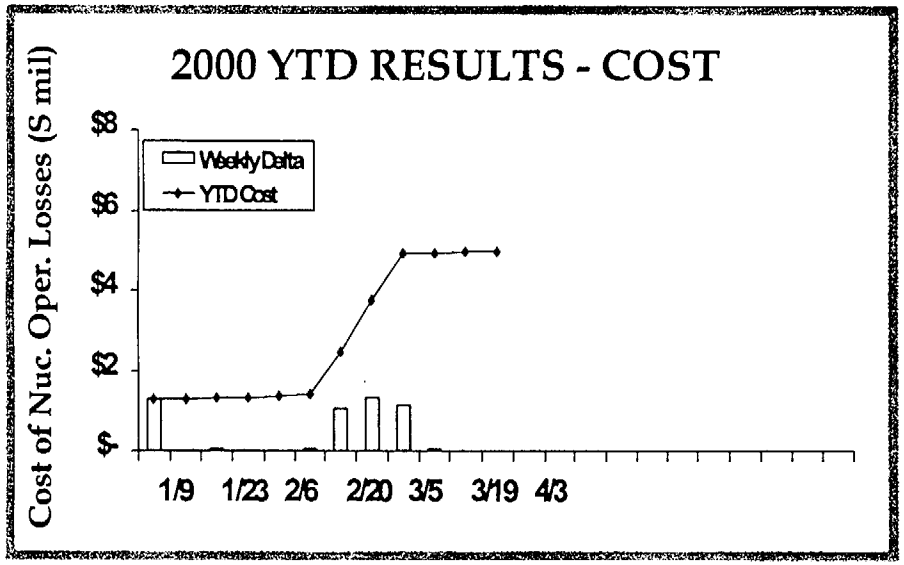
CURRENT MONTH STATUS: **GREEN. For March, ONS EFPDs totaled 89.31 exceeding our target of 87.89. Capacity factor for March was 98% exceeding the target of 97.09. Generation for the month was 1,850,460 MWHs exceeding the target of 1,833,263 MWHs.**

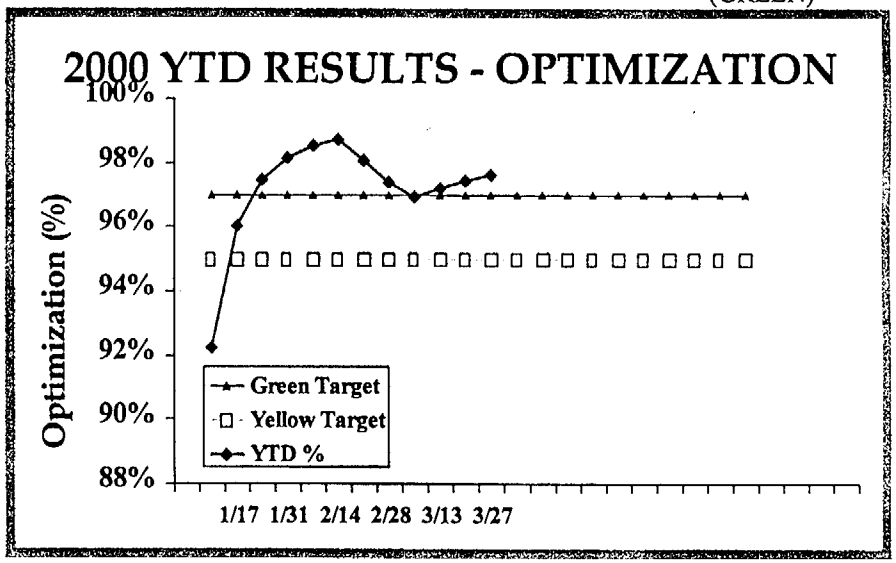
YTD STATUS: **YELLOW. YTD through March, EFPDs totaled 253.22 compared to the target of 257.99. Capacity Factor YTD is 94.95 compared to the target of 96.99%. YTD Generation totaled 5,262,829 mwhs compared to the target of 5,375,920. This is due to the Unit 1 17 day forced outage.**

Production

NUCLEAR GENER. MARKET MEASURE

(GREEN)





Production

NUCLEAR GENER. MARKET MEASURE

DEFINITION:
The Nuclear Generation Market Measure (NGMM) is a measure of our Nuclear System's operational impact on total Duke System operating costs. The measure is presented in both Lost Dollar Impact as well as in Optimum to Actual %. Using the Post Analysis Costing Evaluator (PACE) costing tool, an optimum system operating cost is calculated on a weekly basis. This optimum case is based on forecasted system load (includes Native Load plus Sales), planned outages (both nuclear and fossil) and fixed and variable production costs for each fossil and nuclear unit. The fossil system generation is presumed to be held constant. Against this "optimal" cost line, the actual system operating cost is compared and the delta between the two costs is the essence of this measure -- stated in terms of either actual "lost" dollars or optimum to actual percentage.

Nuclear can best impact this measure through good operating performance. Forced outages or power reductions will result in the measured cost being higher as baseline nuclear units (with high fixed but low variable costs) are replaced by fossil units with much higher marginal costs. In deriving the optimal cost line the following items are "excused":

1) Refueling outages as scheduled in the monthly Maintenance Outage Co-ordination meeting,
2) Core coastdowns as scheduled in the monthly Maintenance Outage Co-ordination meeting,
3) Reductions and outages for Generation Management as scheduled in the monthly Maintenance Outage Co-ordination meeting or as called for by the SOC,

and 4) SOC requested dispatch reductions.

The following times are specifically NOT "excused" from this measure:

1) Refueling outages that occur early due to a "forced outage" on the unit (the outage itself will be excused after the "scheduled" date),
2) Scheduled Refueling Outage days that extend past the scheduled date listed in the Maintenance Outage Co-ordination meeting (i.e. outage overruns -- these will not be excused even if reported in a subsequent Maintenance Outage Co-ordination meeting),
3) All other forced and scheduled outages and reductions.

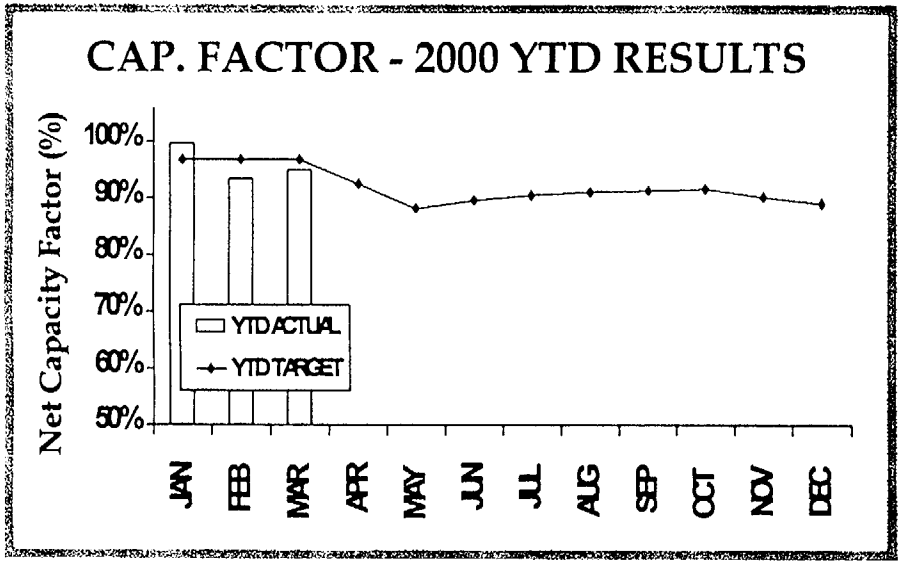
The Target for 2000 is set at achieving 97% of optimum performance. The threshold for meeting Minimum expectations is 95% of optimum.

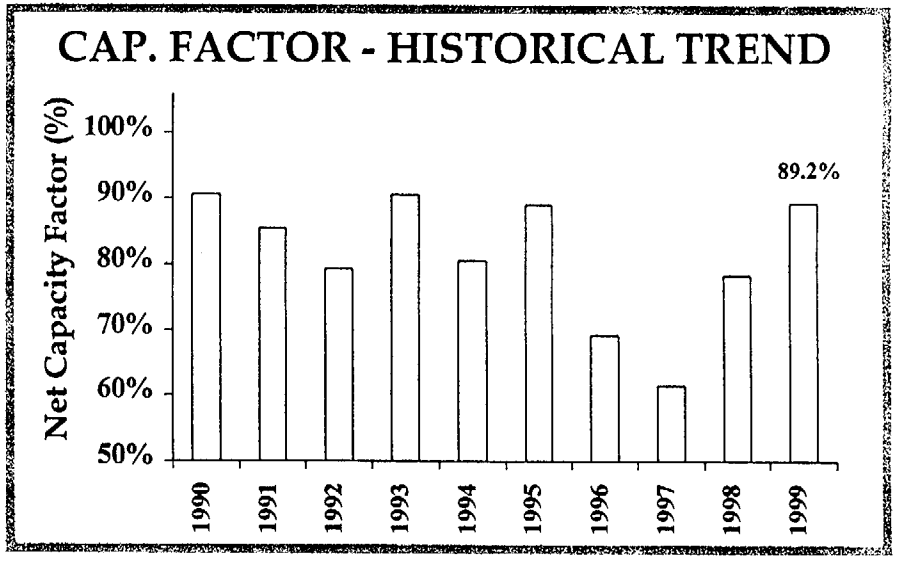
2000 MEASURES SUCCESS CRITERIA:

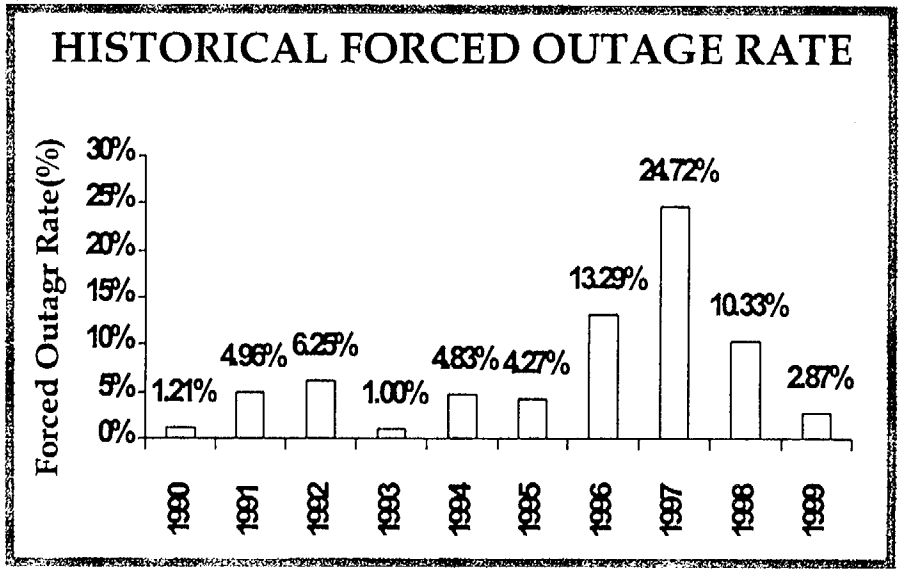
GREEN:	YTD Optimum cost / YTD Actual cost $\geq$ 97%
YELLOW:	YTD Optimum cost / YTD Actual cost $\geq$ 95%
RED:	YTD Optimum cost / YTD Actual cost < 95%

CURRENT MONTH STATUS: GREEN
Y-T-D is 97.66%
Y-T-D cost is $4,954,330

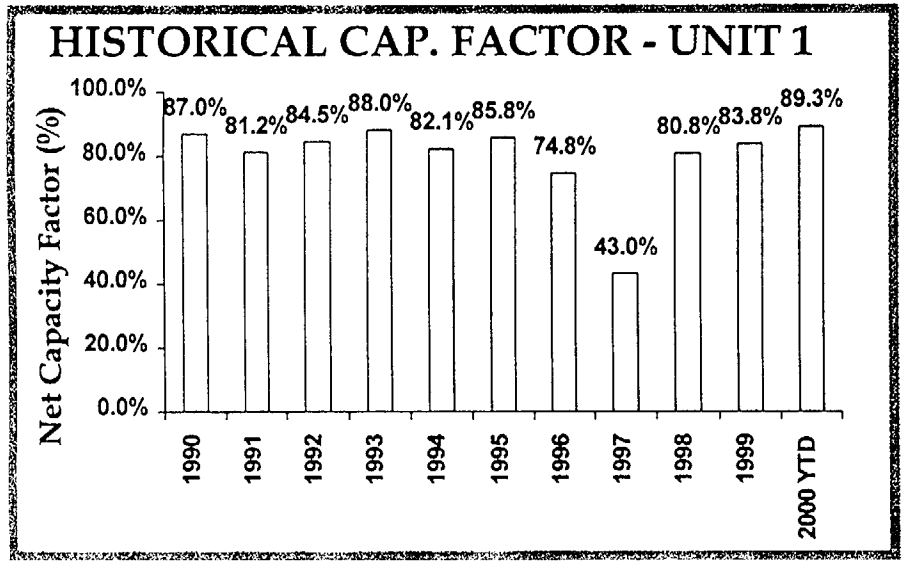
PRODUCTION HISTORY

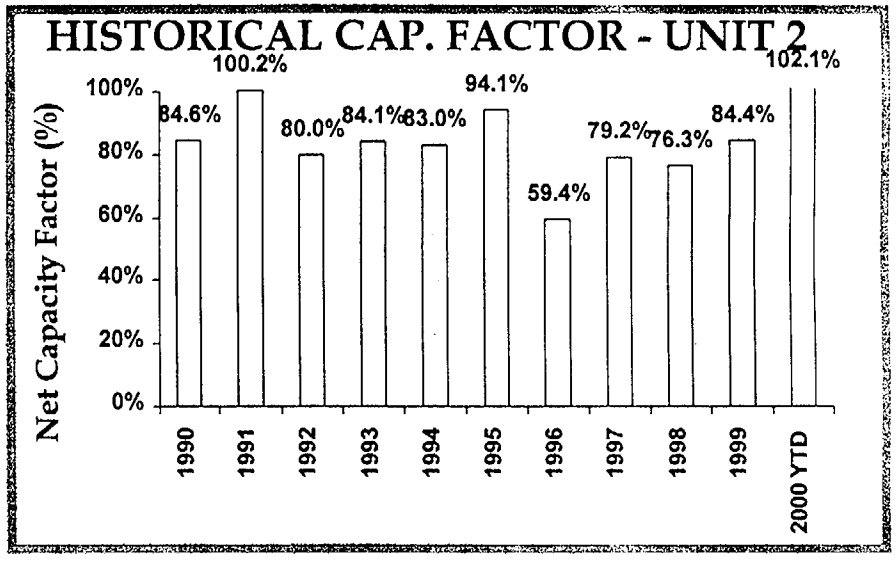


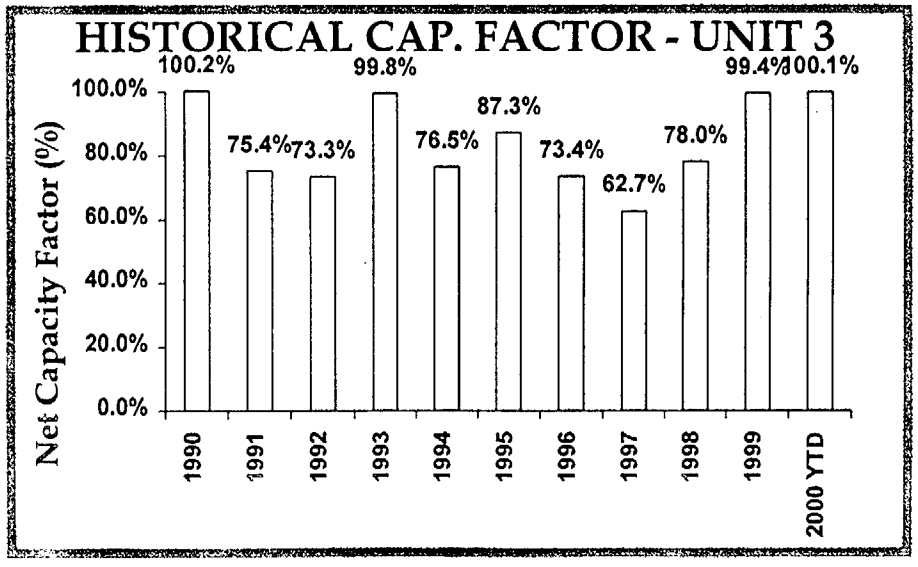




PRODUCTION HISTORY

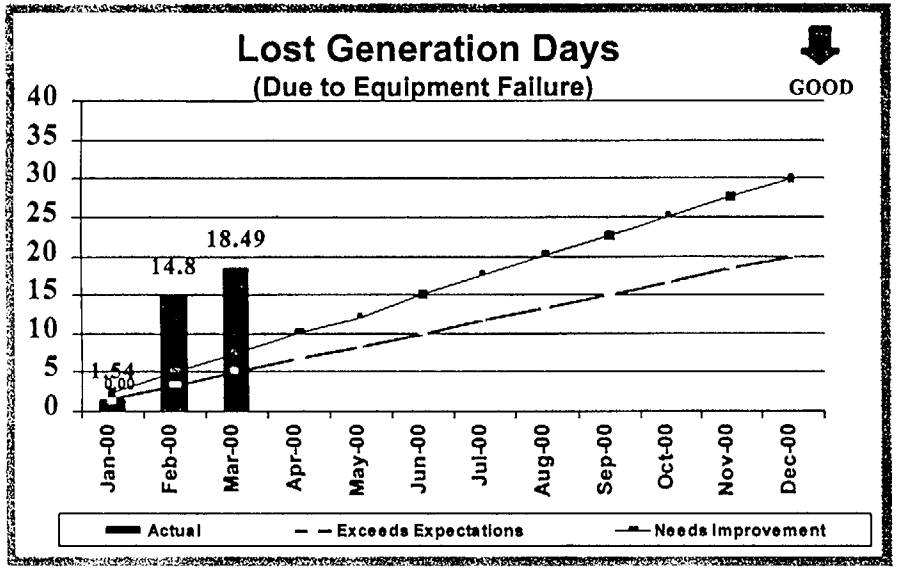


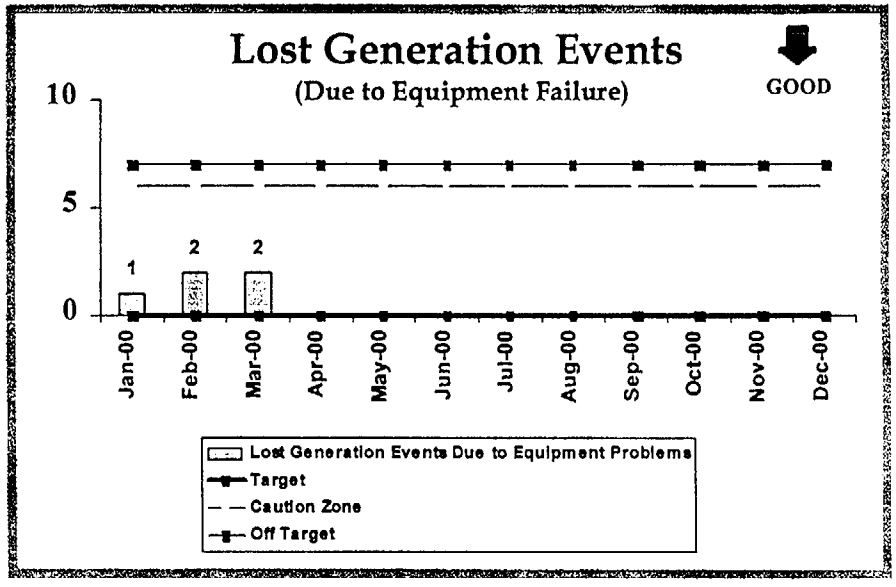


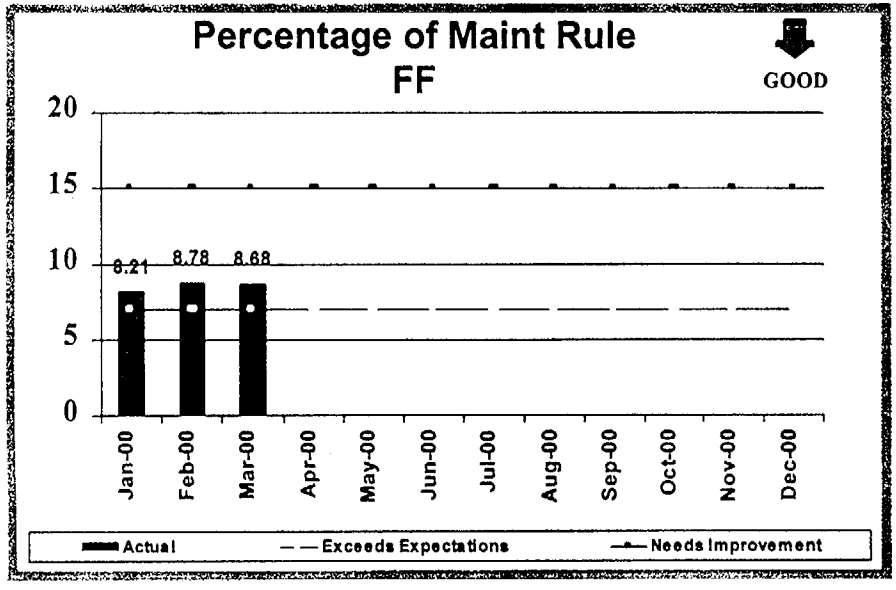


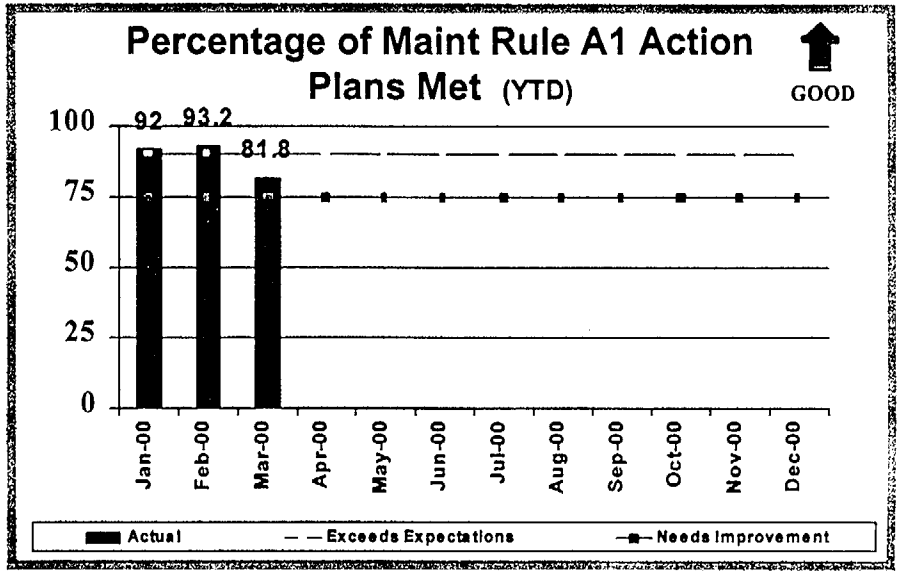
Production

EQUIPMENT RELIABILITY



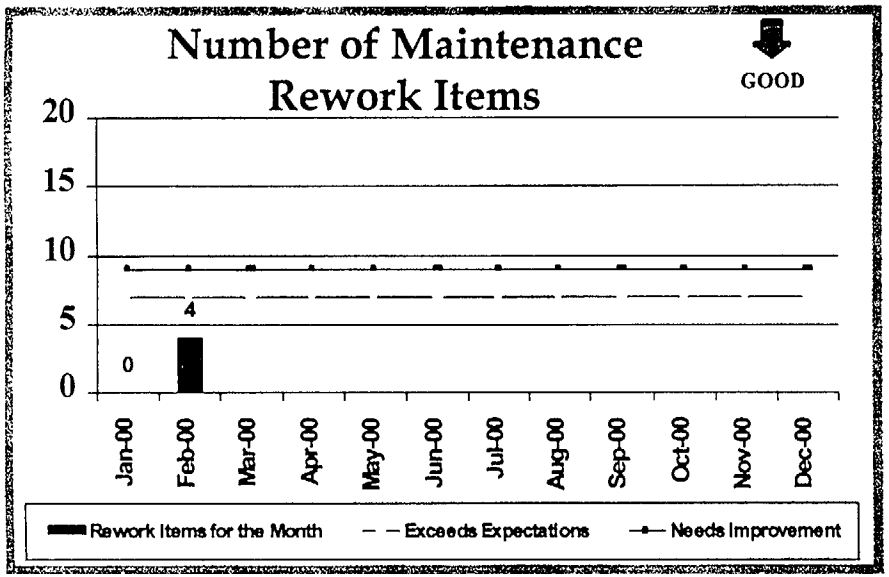


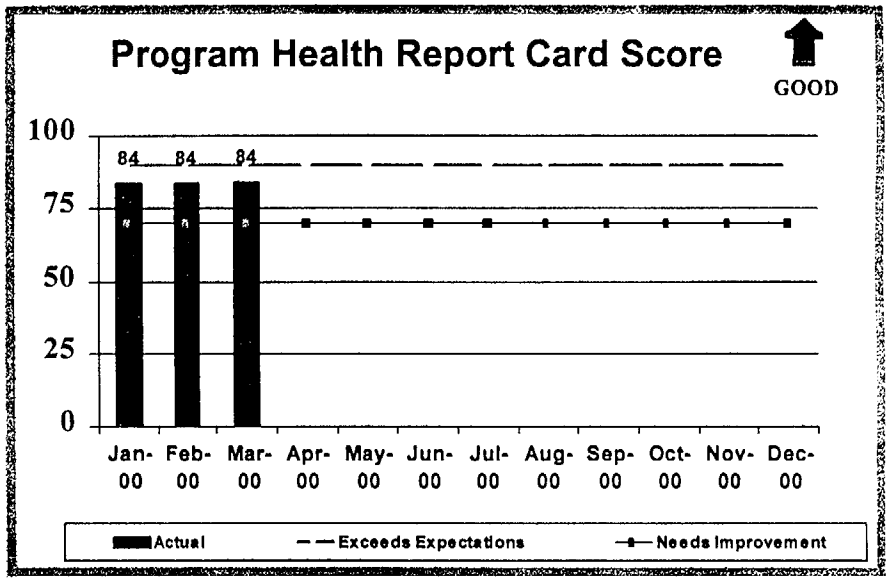


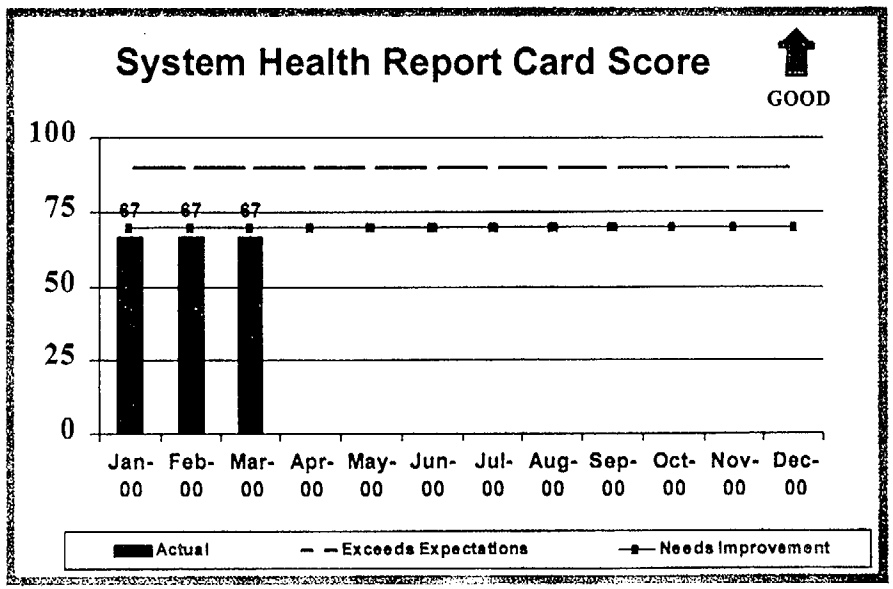


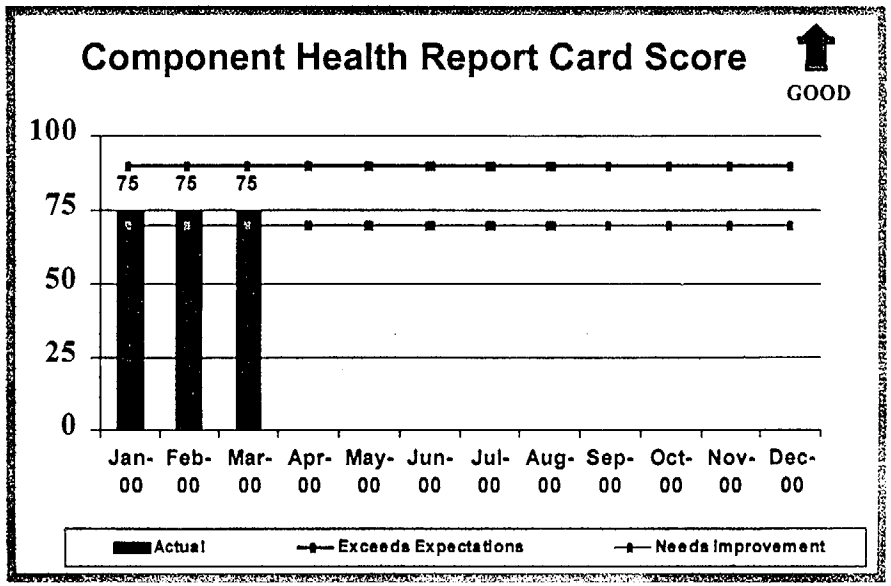
Production

EQUIPMENT RELIABILITY



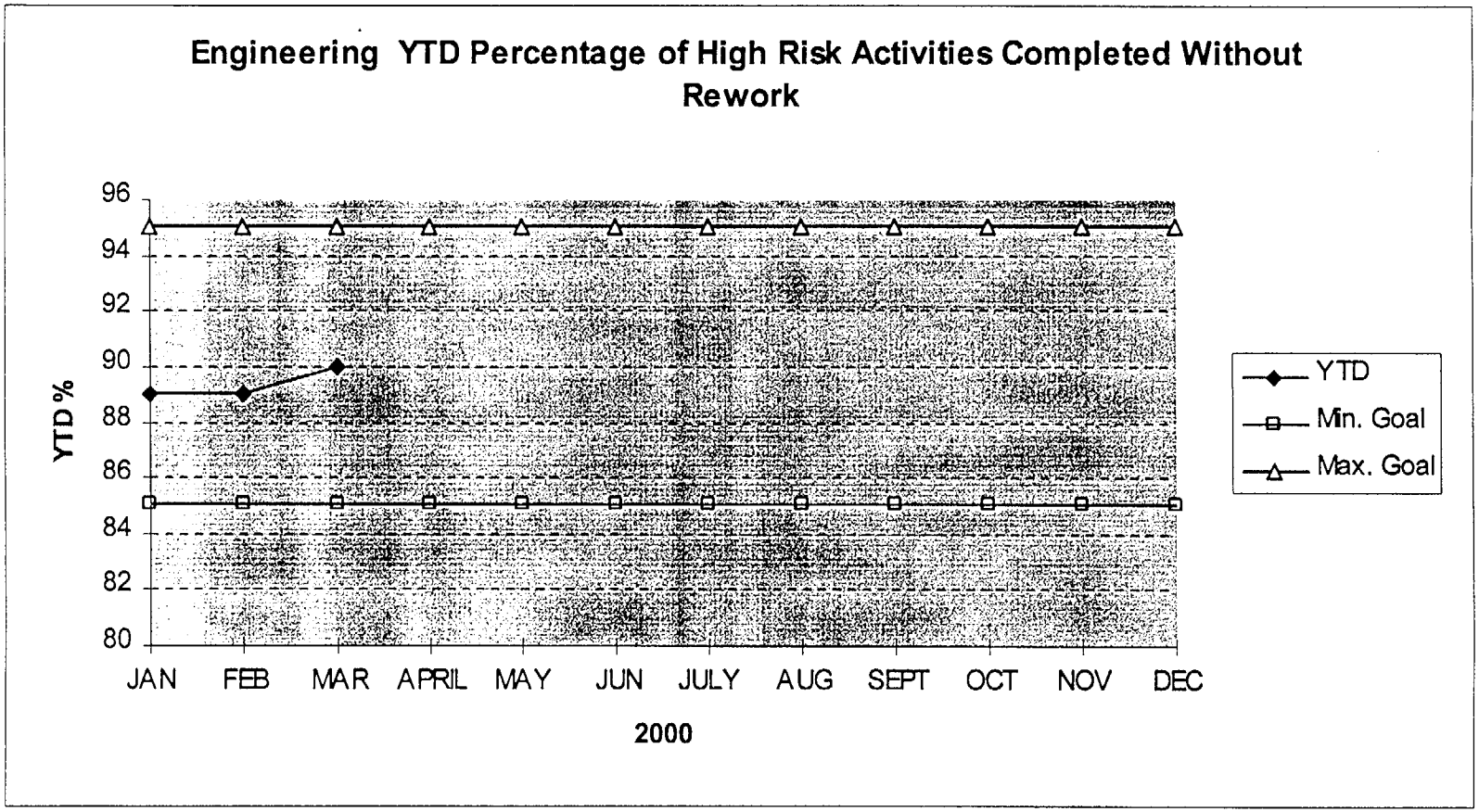






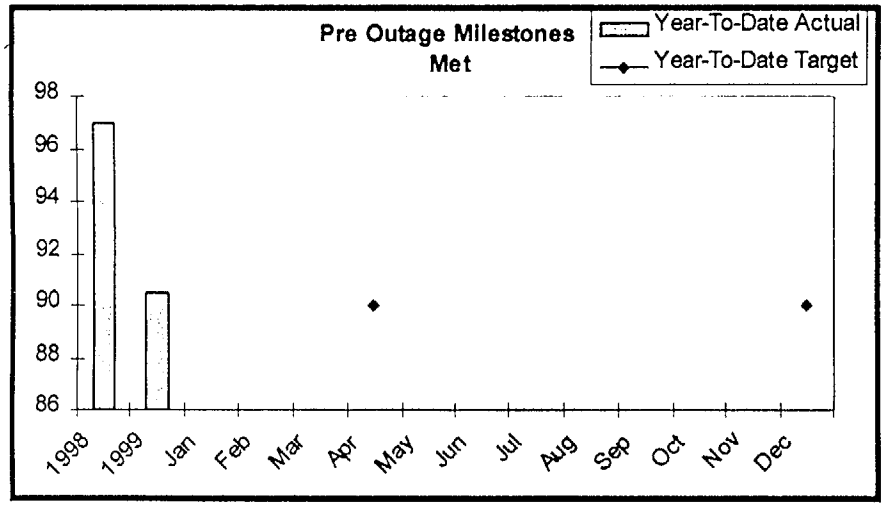
Production

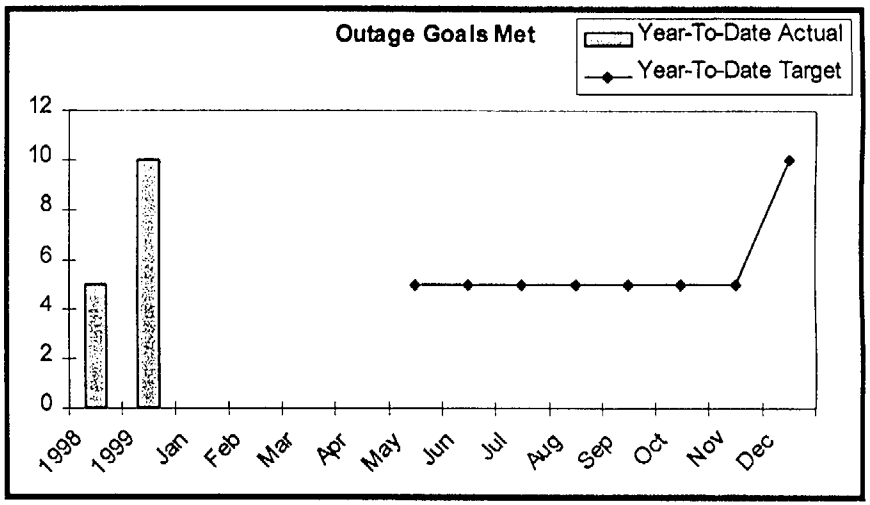
RISK ASSESSMENT

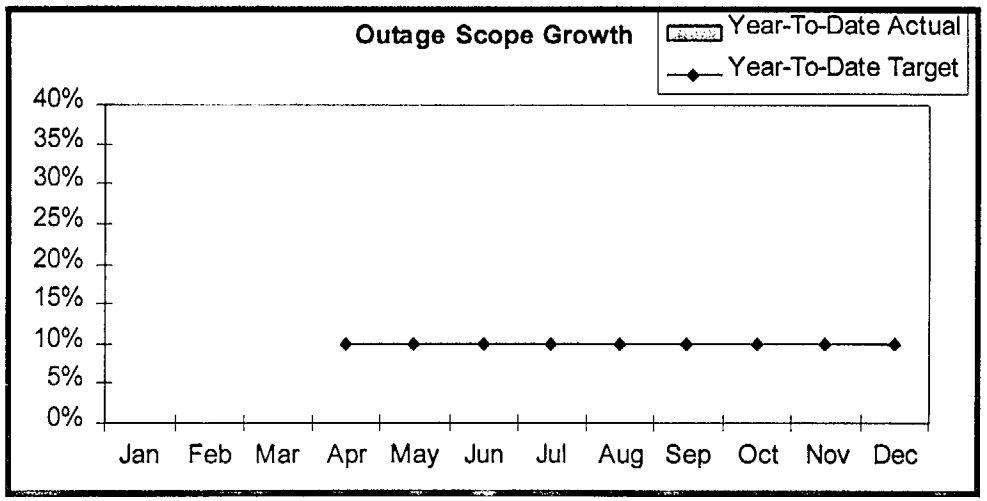


Production

OUTAGE IMPROVEMENT



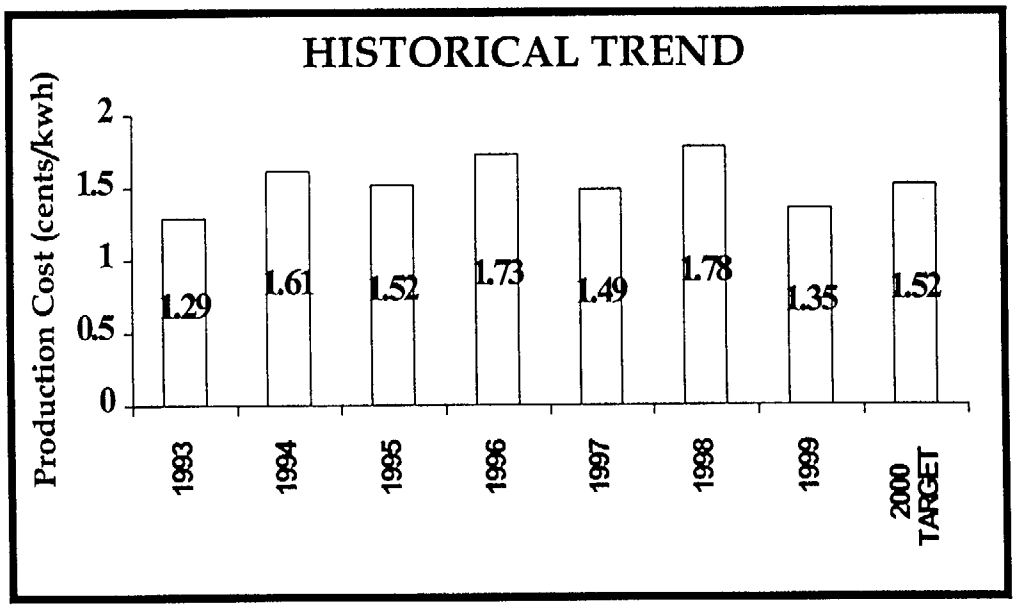




Competitive Positioning

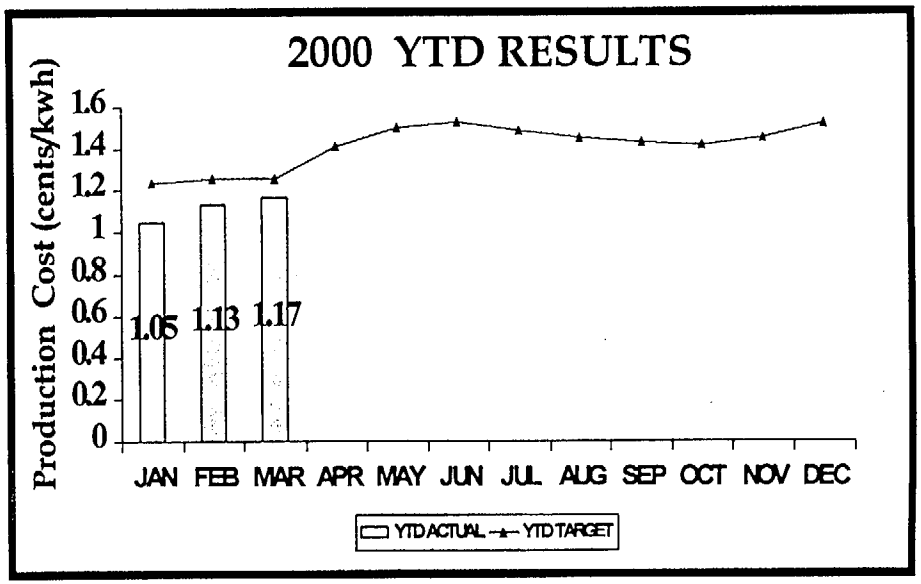
PRODUCTION COST PER NET KWH

(GREEN)



2000 RESULTS (Cost/Generation)

	O&M/ ($ mil)			Generation (Mwh)		
	Actual	Budget	Var	Actual	Target	Var.
January	19.890	22.682	2.79	1885.47	1827.85	57.62
February	38.634	44.501	5.87	3412.37	3542.66	(130.29)
March	61.562	67.422	5.86	5262.83	5375.92	(113.09)
April						
May						
June						
July						
August						
September						
October						
November						
December						



Competitive Positioning

PRODUCTION COST PER NET KWH

DEFINITION:
This is a standard industry measure of the station's total production cost per net kWh generated. The numerator is the sum of Oconee functional Non-Fuel Operating and Maintenance (O&M) costs and fuel costs for the site. The denominator is actual net generation for the site. This measure is an incentive goal for the Employee and Management Incentive plans. The 2000 target of 1.52 cents/kWh is based on achieving Top Quartile industry ranking based on two scheduled refueling outages (3EOC18 & 1EOC19) for the year.

NOTE: For incentive purposes, reported generation will be adjusted upward by adding back any "SOC"-related generation losses (loadfollow or reduced power operations to conserve fuel).

2000 MEASURES SUCCESS CRITERIA:

GREEN:	YTD Production Cost and Year-end Projection ≤ Target performance.
YELLOW:	YTD Production Cost and Year-end Projection ≤ Minimum performance.
RED:	YTD Production Cost and Year-end Projection > Minimum performance.

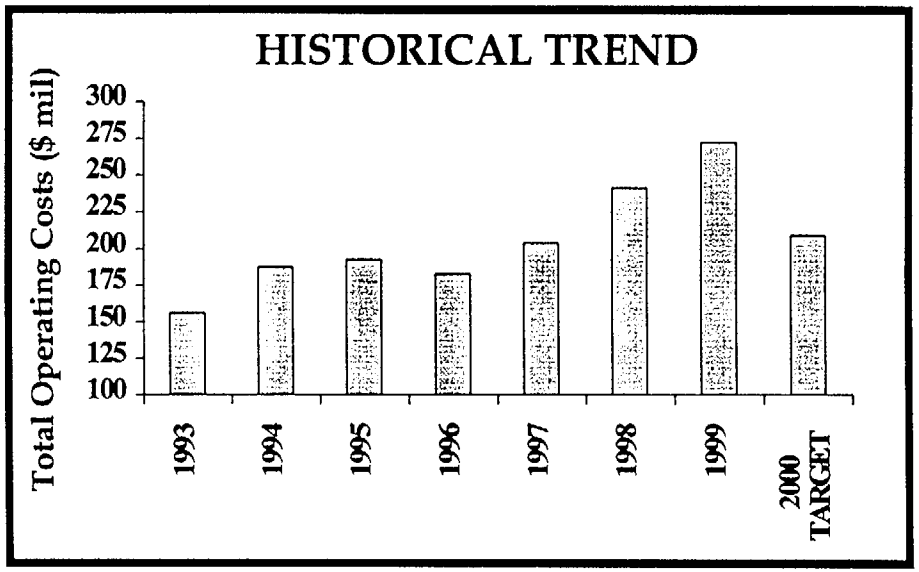
CURRENT MONTH STATUS:

GREEN: YTD March 2000 Production Cost per Net kWh was 1.17 cents against a YTD target of 1.25 cents. Year-to-date generation is 113.029 mWh (2%) under target. In addition, YTD Production costs are $5.86 million (8.7%) under target.

Competitive Positioning

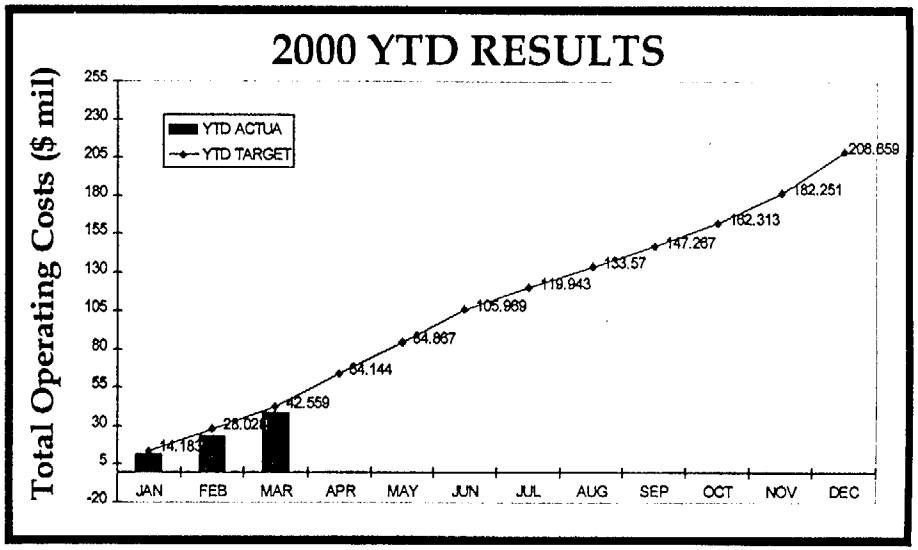
NON FUEL O&M BUDGET

(GREEN)



2000 RESULTS ($ millions)

	Current Month			Year-to-Date		
	Actual	Budget	Variance	Actual	Budget	Variance
January	11.520	14.183	2.663	11.520	14.183	2.663
February	11.839	13.845	2.006	23.359	28.028	4.669
March	15.361	14.396	(.965)	38.720	42.424	3.704
April						
May						
June						
July						
August						
September						
October						
November						
December						



Competitive Positioning

NON FUEL O&M BUDGET

DEFINITION:

Oconee Non Fuel O&M budget performance for 2000. Measure includes functional non-fuel O&M cost. It does not include fuel costs or allocated A&G costs.

2000 MEASURES SUCCESS CRITERIA:

GREEN: Total Spending under YTD target and projected to be under year-end target.

YELLOW: Total Spending under YTD target but projected to be over year-end target OR over YTD target but projected to be under year-end target

RED: Total Spending over YTD target with projection indicating year-end goal unlikely to be achieved or unrecoverable.

CURRENT MONTH STATUS: GREEN

Year to date actual through March, the ONS/Keowee business unit is $3.704 million under our non fuel operating (O&M) budget.

CAPITAL BUDGET

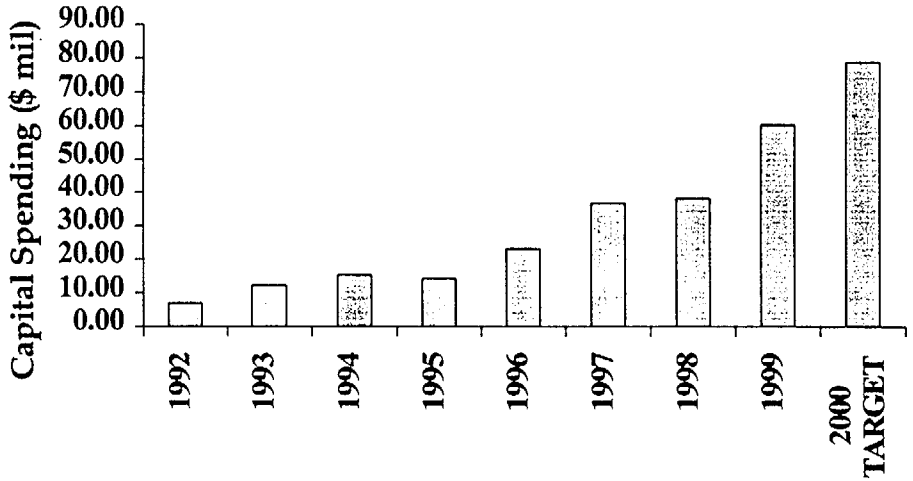
(Martin)

(YELLOW)

Competitive Positioning

CAPITAL BUDGET

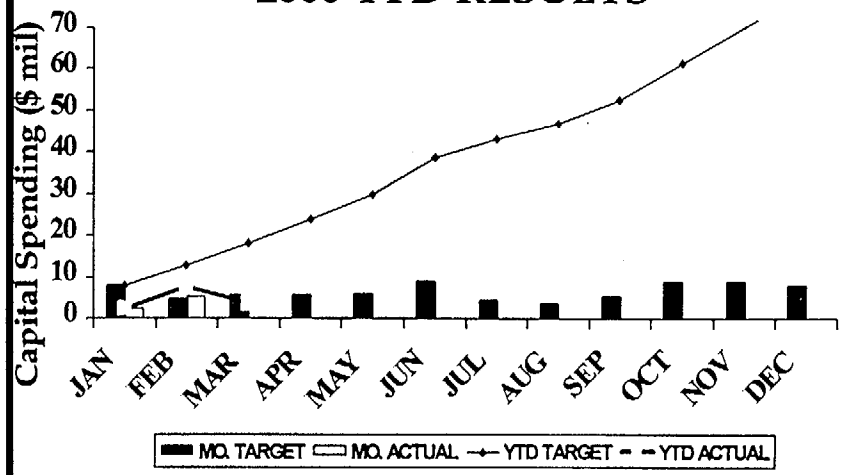
HISTORICAL TREND



2000 RESULTS ($ millions)

	Current Month			Year-to-Date		
	Actual	Budget	Variance	Actual	Budget	Variance
January	2.534	7.942	5.408	2.534	7.942	5.408
February	5.340	4.857	(0.483)	7.874	12.799	4.925
March	-4.059	18.339	9.599	3.815	18.339	14.524
April						
May						
June						
July						
August						
September						
October						
November						
December						

2000 YTD RESULTS



Competitive Positioning

CAPITAL BUDGET

DEFINITION:

Capital expenditures for Oconee in capital classes BB (Nuclear Betterment's), BE (Nuclear Environmental), SA (Buildings) and AB and AA (Refurbishment).

Goal is to complete the 2000 approved capital plan within +/- 10%.

2000 MEASURES SUCCESS CRITERIA:

GREEN:	YTD capital expenditures are within +/- 10% of YTD budget and projected to be within 10% of year-end budget
YELLOW:	YTD capital within +/- 10% but projected to be off Year-end target OR YTD expenditures are outside +/- 10% but are projected to be on target by year-end.
RED:	YTD capital expenditures are outside +/- 10% of YTD budget and are projected to be outside +/- 10% at year-end.

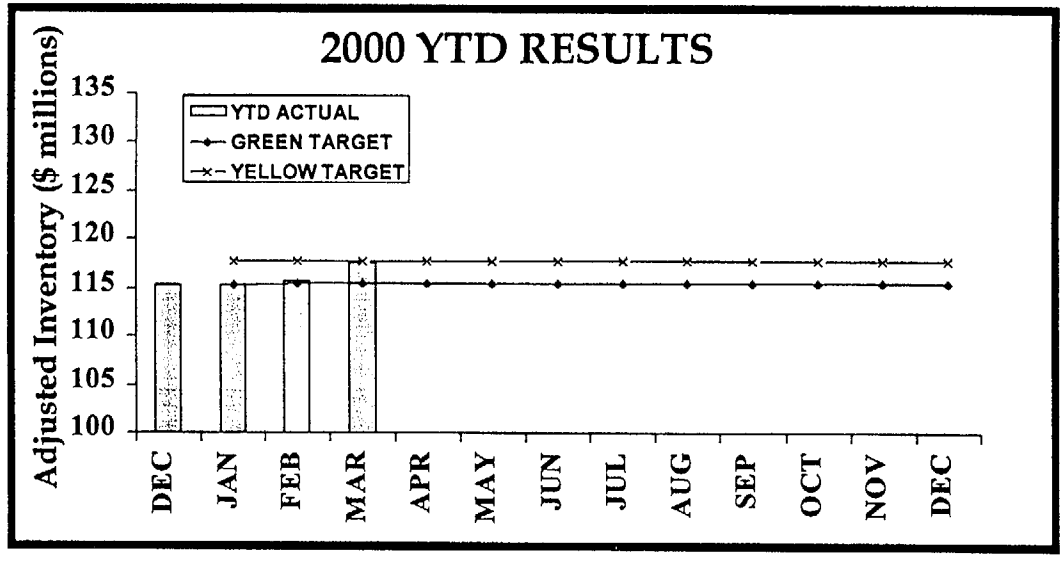
CURRENT MONTH STATUS: YELLOW

Year-to-date actual capital expenditures of $3.815 million are *79% under* the budget of $18.339 million.

Competitive Positioning

SYSTEM INVENTORY LEVEL

SYSTEM INVENTORY LEVEL (Sites) (YELLOW)



Competitive Positioning

SYSTEM INVENTORY LEVEL

OBJECTIVE: For the Nuclear Team to manage overall inventory through initiatives aimed at increasing % planned inventory.

DEFINITION:
Adjusted Inventory = Total NGD O&M Inventory dollars minus Total NGD Planned Inventory Dollars. Goal is to increase percent planned inventory.
Planned Inventory = WMS Reservations ($), Surplus $, Direct Stock $ and Emergency Inventory.
The 2000 goal is based on the 12/31/99 ending inventory ($115,340,908).

Total Inventory represents all inventory: O&M, Capital and Planned.

2000 MEASURES SUCCESS CRITERIA:

GREEN:	Adjusted O&M Inventory Level ≤ $115,340,908	(no increase from 12/31/99)
YELLOW:	Adjusted O&M Inventory Level ≤ $117,647,726	(no more than 2% increase)
RED:	Adjusted O&M Inventory Level > $117,647,726	(greater than 2% increase)

CURRENT MONTH STATUS:
YELLOW: NGD Adjusted O&M Inventory was $117.65 million through March, a net increase of $2.31 million (2%) from December, 1999.
Total Inventory has increased $1.31 million (0.78%) since December, 1999..

Total adjusted inventory is calculated as follows:	12/31/99	3/31/00
O&M Inventory $ On Hand	$ 147.29	**$ 148.83**
Less: Total Planned Inventory	(31.95)	**(31.18)**
Adjusted O&M Inventory	$ 115.34	**$ 117.65**
	======	======

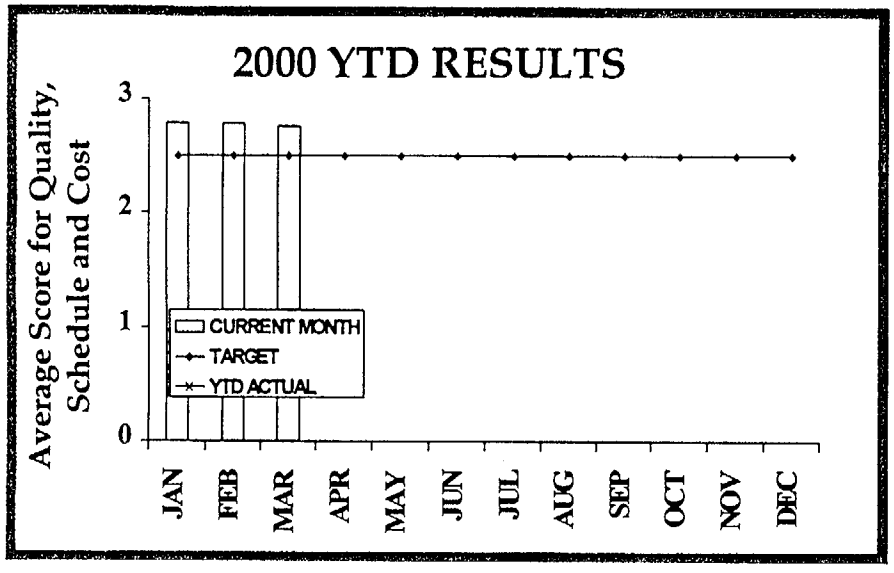
RECOVERY PLAN:
Actions include the following:

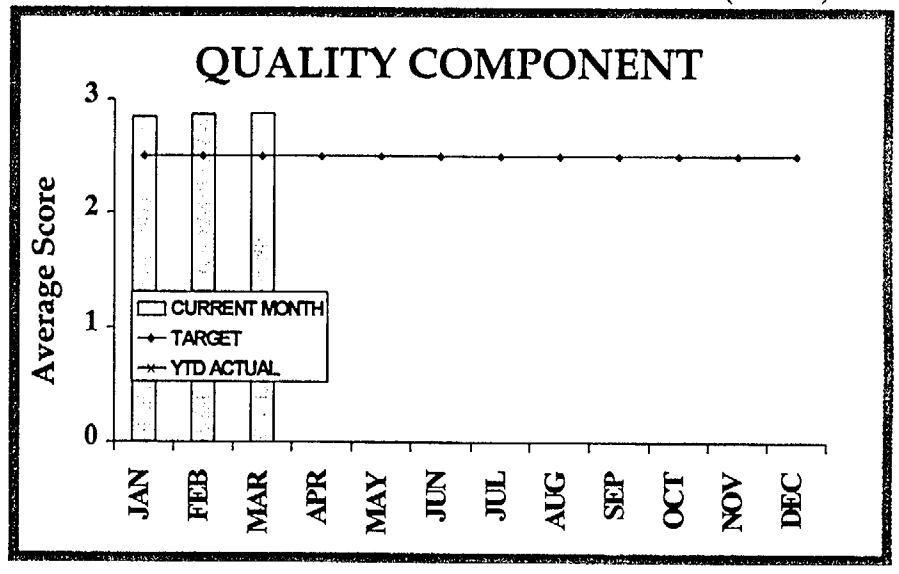
* Partnering with Maintenance for review/approvals on surplus and new orders.
* Monitoring reorders to assure optimum levels are being procured based on known demands.
* New Stock Code request are being monitored to validate need and to assure superseded items are excessed.
* Excess Inventory items are being circulated to Fossil and Power Delivery locations for their use vs purchase.
* Consignment negotiations are in progress now for Bolting, Piping, RP Clothing.
* Disposal of unused or reallocation of "5866" subclass inventory (one time purchases) to owners or surplused.
* Contracts with suppliers such as Westinghouse to "buy back" certain inventories (ie Turbine Valve parts).

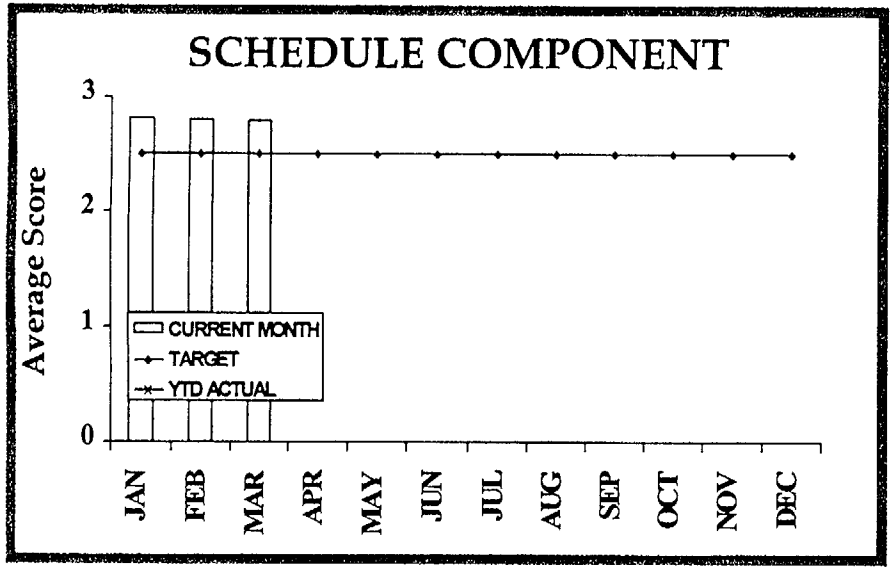
The Commodities Management BEST is sponsoring these initiatives which will help assure inventory targets are met.

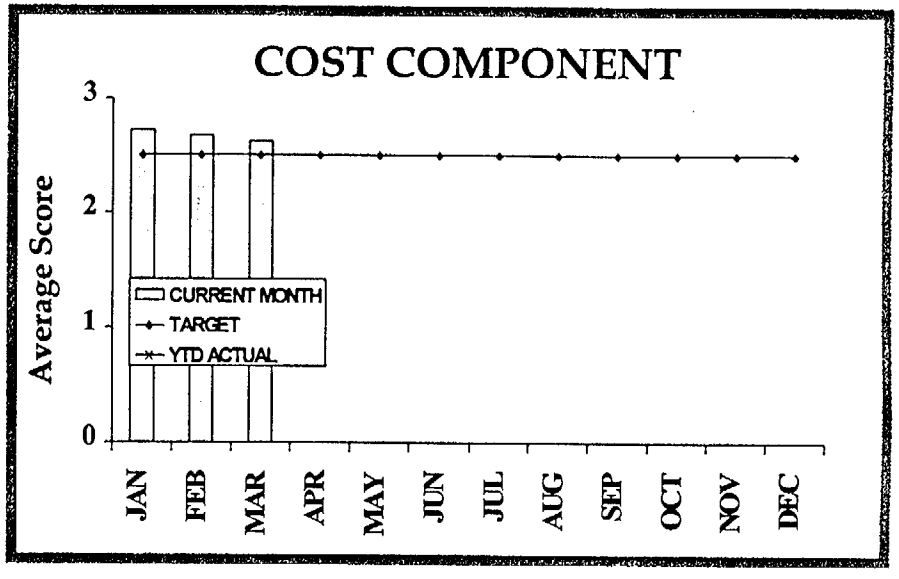
Competitive Positioning
PROJECTS

(GREEN)









ONS Projects Measured - Open / Active Projects Trended in Year 2000

Current Project Scores

Project #	Type	Project Name	PM	Spon	Quality	Schedule	Cost	Average	Annunciator
12980M	O&M	U1 MSRH Feed Forward	LJB	WBE	3.00	3.00	3.00	3.00	Green
12981M	O&M	U1 Powdex Controls Upgrade	LJB	MCB	3.00	3.00	3.00	3.00	Green
12998C	Cap	U1 Repl Vital I&C Batteries	ECG	MCB	3.00	3.00	3.00	3.00	Green
13026C	Cap	Main Generator Disconnect Switch	JM	MCB	3.00	3.00	3.00	3.00	Green
13054M	O&M	U1 MS Line Supports	LJB	WBE	3.00	3.00	3.00	3.00	Green
13056M	O&M	MDEFWP Pump Arc Valve Strainers	ESF	WBE	3.00	3.00	3.00	3.00	Green
13060M	O&M	Replace 1ESV-1 and 1ESV-2	ESF	WBE	3.00	3.00	3.00	3.00	Green
13066M	O&M	U1RCP Seal Leakage Instrumentation	LJB	WBE	3.00	2.00	3.00	2.67	Green
13067CN	Cap	U1UpgradeGL89-10 Main Steam Valve and	AWB	MCB	3.00	2.50	3.00	2.83	Green
1354C	Cap	Repl Bldg Spray Pump Motor U3	KW	TDM	3.00	3.00	3.00	3.00	Green
1361CN	Cap	Keowee ACB's 3 & 4	AWB	MCB	3.00	3.00	3.00	3.00	Green
1393CN	Cap	Reroof Auxiliary Building U1	SC	JES	3.00	2.67	3.00	2.89	Green
1395CN	Cap	Reroof Auxiliary Building U2	SC	JES	2.83	2.67	2.67	2.72	Green
1396C	Cap	U1 RCP Refurb	GO	TDM	2.75	2.50	2.50	2.58	Green
1397C	Cap	1C LPSW Replacement	KW	TDM	3.00	3.00	3.00	3.00	Green
1398C	Cap	U2 RCP Refurb	GO	TDM	3.00	2.25	3.00	2.75	Green
1421C	Cap	E Heater Drain Pump Repl	KW	TDM	3.00	2.50	3.00	2.83	Green
1425CN	Cap	600 Volt Breakers and Relays	EF	MCB	3.00	3.00	2.00	2.67	Green
1426CN	Cap	Refurbish 4kv and 7kv Breakers	EF	MCB	3.00	3.00	2.50	2.83	Green
1438CN	Cap	Westinghouse Relay Replacement	EF	MCB	3.00	2.67	3.00	2.89	Green
1441CN	Cap	Cutler Hammer Relay Replacement	KR	MCB	2.50	3.00	2.67	2.72	Green
1444CN	Cap	Small Bore Raw Water Piping	EGS	MCB	3.00	3.00	3.00	3.00	Green
1486CN	Cap	Control Room Habitability Upgrade	RB	LJA	3.00	3.00	3.00	3.00	Green
1493CN	Cap	2B Reactor Building Spray Pump Motor Rep	RR	MCB	2.75	3.00	3.00	2.92	Green
22865M	O&M	U2 RTD Replacements	ESF	WBE	3.00	3.00	3.00	3.00	Green
22885M	O&M	Repl. U-2 NV Pump Cold Leg Iso. Valves	ECG	WBE	3.00	3.00	3.00	3.00	Green
22980M	O&M	U2 MSRH Feed Forward	LJB	WBE	3.00	3.00	3.00	3.00	Green
22981CN	Cap	U2 Powdex Control	LJB	MCB	3.00	3.00	3.00	3.00	Green
23054M	O&M	U2 MS Line Supports	LJB	WBE	3.00	2.67	2.00	2.56	Green
23056M	O&M	MDEFWP Pump Arc Valve Strainers	ESF	WBE	3.00	3.00	3.00	3.00	Green
23060M	O&M	Replace 2ESV-1 and 2ESV-2	ESF	WBE	3.00	3.00	3.00	3.00	Green
23067CN	Cap	U2UpgradeGL89-10 Main Steam Valve and	AWB	MCB	3.00	2.50	3.00	2.83	Green
2914C	Cap	Fuel Handling Cranes	LCA	MCB	3.00	3.00	2.33	2.78	Green
3027CN	Cap	CY Starters	LC	MCB	2.80	2.75	2.00	2.52	Green
32980M	O&M	U3 MSRH Feed Forward	LJB	WBE	3.00	3.00	3.00	3.00	Green
32981M	O&M	U3 Powdex Controls Upgrade	LJB	MCB	3.00	1.00	3.00	2.33	Yellow
33043M	O&M	U3 Reactor Building Isolation	ESF	WBE	3.00	3.00	3.00	3.00	Green
33054M	O&M	U3 MS Line Supports	LJB	WBE	3.00	3.00	2.80	2.93	Green
33056M	O&M	MDEFWP Pump Arc Valve Strainers	ESF	WBE	3.00	3.00	3.00	3.00	Green
33060M	O&M	Replace 3ESV-1 and 3ESV-2	ESF	WBE	3.00	3.00	3.00	3.00	Green
33067CN	Cap	U3UpgradeGL89-10 Main Steam Valve and	AWB	MCB	3.00	2.00	3.00	2.67	Green
53014M	O&M	Keowee Undervoltage Under Frequency	LJB	WBE	2.67	2.33	2.50	2.50	Yellow
53049CN	Cap	Keowee SV Relay Replacement	LC	MCB	3.00	2.00	2.00	2.33	Yellow
53052CN	Cap	Keowee U2 Load Center DB Breakers	LC	MCB	3.00	3.00	3.00	3.00	Green
53065CN	Cap	Keowee Underground Cable Replace	AWB	MCB	3.00	2.50	2.50	2.67	Green
6100M	O&M	GL 96_06 Code Compliance Analysis	TB	LJA	3.00	3.00	3.00	3.00	Green
CRDS	Cap	Control Rod Drive System Repl (3032)	ESF	MCB	3.00	3.00	2.00	2.67	Green
DOMECOAT	Cap	Dome Coatings	RLH	MCB	2.67	2.89	2.75	2.77	Green
EOPRWP2	O&M	EOP Rewrite Phase 2	KM	DJC	3.00	3.00	3.00	3.00	Green
HELB	O&M	High Energy Line Break	TB	LJA	2.75	2.33	2.33	2.47	Yellow
MTLCDCAP	Cap	2000 Materiel Condition Upgrade	JK	MCB	3.00	3.00	3.00	3.00	Green
MTURLPNC	Cap	3LPC Turbine Rotor Repl	JK	MCB	3.00	2.00	2.50	2.50	Yellow
OSRDCQA5	O&M	OSRDC	HH	LJA	3.00	2.78	2.67	2.81	Green
SQUGKE	O&M	SQUG Keowee	RM	RBT	3.00	3.00	2.83	Green	Green
SQUGOUT	O&M	SQUG - Oconee	RM	RBT	3.00	3.00	2.83	Green	Green
VALVLPCN	Cap	Valve LP 17 & 18 Repl	EGS	MCB	2.00	2.00	1.60	1.87	Yellow
		Summary of all measured projects:	56		2.94	2.76	2.79	2.82	Green

ONS Projects Measured(Total Closed and Active) for Year 2000

Project #	Type	Project Name	PM	Spon	Quality	Schedule	Cost	Average	Annunciator
					Current Project Scores				
1284C	Cap	Repl of 1A Bldg Spray Pump Motor	KW	TDM	3.00	3.00	3.00	3.00	Green
12865M	O&M	U1 RTD Replacements	ESF	WBE	3.00	3.00	3.00	3.00	Green
12885M	O&M	Repl. U-1 NV Pump Cold Leg Iso. Valves	ECG	WBE	3.00	3.00	2.00	2.67	Green
12980M	O&M	U1 MSRH Feed Forward	LJB	WBE	3.00	3.00	3.00	3.00	Green
12981M	O&M	U1 Powdex Controls Upgrade	LJB	MCB	3.00	3.00	3.00	3.00	Green
12998C	Cap	U1 Repl Vital I&C Batteries	ECG	MCB	3.00	3.00	3.00	3.00	Green
13026C	Cap	Main Generator Disconnect Switch	JM	MCB	3.00	3.00	3.00	3.00	Green
13043M	O&M	U1 Reactor Building Isolation	ESF	WBE	3.00	3.00	3.00	3.00	Green
13054M	O&M	U1 MS Line Supports	LJB	WBE	3.00	3.00	3.00	3.00	Green
13056M	O&M	MDEFWP Pump Arc Valve Strainers	ESF	WBE	3.00	3.00	3.00	3.00	Green
13060M	O&M	Replace 1ESV-1 and 1ESV-2	ESF	WBE	3.00	3.00	3.00	3.00	Green
13066M	O&M	U1RCP Seal Leakage Instrumentation	LJB	WBE	3.00	2.00	3.00	2.67	Green
13067CN	Cap	U1UpgradeGL89-10 Main Steam Valve	AWB	MCB	3.00	2.50	3.00	2.83	Green
1331C	Cap	Turbine Seed Rotor (part of MTURLPNC)	JK	MCB	2.67	3.00	3.00	2.89	Green
1338CN	Cap	Keowee ACBs 1 & 2	AWB	MCB	2.50	2.75	2.00	2.42	Yellow
1354C	Cap	Repl Bldg Spray Pump Motor U3	KW	TDM	3.00	3.00	3.00	3.00	Green
1361CN	Cap	Keowee ACB's 3 & 4	AWB	MCB	3.00	3.00	3.00	3.00	Green
1393CN	Cap	Reroof Auxiliary Building U1	SC	JES	3.00	2.67	3.00	2.89	Green
1395CN	Cap	Reroof Auxiliary Building U2	SC	JES	2.83	2.67	2.67	2.72	Green
1396C	Cap	U1 RCP Refurb	GO	TDM	2.75	2.50	2.50	2.58	Green
1397C	Cap	1C LPSW Replacement	KW	TDM	3.00	3.00	3.00	3.00	Green
1398C	Cap	U2 RCP Refurb	GO	TDM	3.00	2.25	3.00	2.75	Green
1421C	Cap	E Heater Drain Pump Repl	KW	TDM	3.00	2.50	3.00	2.83	Green
1425CN	Cap	600 Volt Breakers and Relays	EF	MCB	3.00	3.00	2.00	2.67	Green
1426CN	Cap	Refurbish 4kv and 7kv Breakers	EF	MCB	3.00	3.00	2.50	2.83	Green
1428C	Cap	Oconee County Eoc Equip Installation	RW	WWF	3.00	2.00	3.00	2.67	Green
1438CN	Cap	Westinghouse Relay Replacement	EF	MCB	3.00	2.67	3.00	2.89	Green
1441CN	Cap	Cutler Hammer Relay Replacement	KR	MCB	2.50	3.00	2.67	2.72	Green
1444CN	Cap	Small Bore Raw Water Piping	EGS	MCB	3.00	3.00	3.00	3.00	Green
1486CN	Cap	Control Room Habitability Upgrade	RB	LJA	3.00	3.00	3.00	3.00	Green
1493CN	Cap	2B Reactor Building Spray Pump Motor Re	RR	MCB	2.75	3.00	3.00	2.92	Green
22865M	O&M	U2 RTD Replacements	ESF	WBE	3.00	3.00	3.00	3.00	Green
22885M	O&M	Repl. U-2 NV Pump Cold Leg Iso. Valves	ECG	WBE	3.00	3.00	3.00	3.00	Green
22980M	O&M	U2 MSRH Feed Forward	LJB	WBE	3.00	3.00	3.00	3.00	Green
22981CN	Cap	U2 Powdex Control	LJB	MCB	3.00	3.00	3.00	3.00	Green
22998C	Cap	U2 Repl Vital I&C Batteries	ECG	MCB	2.83	2.67	2.00	2.50	Yellow
23043M	O&M	U2 Reactor Building Isolation	ESF	WBE	3.00	3.00	3.00	3.00	Green
23054M	O&M	U2 MS Line Supports	LJB	WBE	3.00	2.67	2.00	2.56	Green
23056M	O&M	MDEFWP Pump Arc Valve Strainers	ESF	WBE	3.00	3.00	3.00	3.00	Green
23060M	O&M	Replace 2ESV-1 and 2ESV-2	ESF	WBE	3.00	3.00	3.00	3.00	Green
23067CN	Cap	U2UpgradeGL89-10 Main Steam Valve	AWB	MCB	3.00	2.50	3.00	2.83	Green
2914C	Cap	Fuel Handling Cranes	LCA	MCB	3.00	3.00	2.33	2.78	Green
3027CN	Cap	CY Starters	LC	MCB	2.80	2.75	2.00	2.52	Green
32980M	O&M	U3 MSRH Feed Forward	LJB	WBE	3.00	3.00	3.00	3.00	Green
32981M	O&M	U3 Powdex Controls Upgrade	LJB	MCB	3.00	1.00	3.00	2.33	Yellow
32999C	Cap	U3 Repl Power Batteries	ECG	MCB	3.00	3.00	2.67	2.89	Green
33043M	O&M	U3 Reactor Building Isolation	ESF	WBE	3.00	3.00	3.00	3.00	Green
33054M	O&M	U3 MS Line Supports	LJB	WBE	3.00	3.00	2.80	2.93	Green
33056M	O&M	MDEFWP Pump Arc Valve Strainers	ESF	WBE	3.00	3.00	3.00	3.00	Green
33060M	O&M	Replace 3ESV-1 and 3ESV-2	ESF	WBE	3.00	3.00	3.00	3.00	Green
33067CN	Cap	U3UpgradeGL89-10 Main Steam Valve	AWB	MCB	3.00	2.00	3.00	2.67	Green
52959C	Cap	Independent Spent Fuel Storage Installatio	JES	WBE	2.75	2.75	2.00	2.50	Yellow
53014M	O&M	Keowee Undervoltage Under Frequency	LJB	WBE	2.67	2.33	2.50	2.50	Yellow
53049CN	Cap	Keowee SV Relay Replacement	LC	MCB	3.00	2.00	2.00	2.33	Yellow
53052CN	Cap	Keowee U2 Load Center DB Breakers	LC	MCB	3.00	3.00	3.00	3.00	Green
53065CN	Cap	Keowee Underground Cable Replace	AWB	MCB	3.00	2.50	2.50	2.67	Green
6100M	O&M	GL 96_06 Code Compliance Analysis	TB	LJA	3.00	3.00	3.00	3.00	Green
CRDS	Cap	Control Rod Drive System Repl (3032)	ESF	MCB	3.00	3.00	2.00	2.67	Green
DOMECOAT	Cap	Dome Coatings	RLH	MCB	2.67	2.89	2.75	2.77	Green
EOPINSPP	O&M	EOP Inspection	LK	WWF	2.60	2.57	3.00	2.72	Green
EOPRWP2	O&M	EOP Rewrite Phase 2	KM	DJC	3.00	3.00	3.00	3.00	Green
FIRESEAL	O&M	ONS Intrusive Inspection and Repair	DL	JSF	3.00	2.67	3.00	2.89	Green
HELB	O&M	High Energy Line Break	TB	LJA	2.75	2.33	2.33	2.47	Yellow
MTLCDCAP	Cap	2000 Materiel Condition Upgrade	JK	MCB	3.00	3.00	3.00	3.00	Green
MTURLPNC	Cap	3LPC Turbine Rotor Repl	JK	MCB	3.00	2.00	2.50	2.50	Yellow
OSRDCQA5	O&M	OSRDC	HH	LJA	3.00	2.78	2.67	2.81	Green
SQUGKE	O&M	SQUG Keowee	RM	RBT	3.00	3.00	2.83	Green	Green
SQUGOUT	O&M	SQUG - Oconee	RM	RBT	3.00	3.00	2.83	Green	Green
VALVLPCN	Cap	Valve LP 17 & 18 Repl	EGS	MCB	2.00	2.00	1.60	1.87	Yellow
		Summary of all measured projects:	69		2.93	2.77	2.76	2.82	Green

ONS Projects Measured -Total Closed during last 12 Months (3/99-2/00

Project #	Type	Project Name	PM	Spon	Current Project Scores: Quality	Schedule	Cost	Average	Annunciator
1284C	Cap	Repl of 1A Bldg Spray Pump Motor	KW	TDM	3.00	3.00	3.00	3.00	Green
12865M	O&M	U1 RTD Replacements	ESF	WBE	3.00	3.00	3.00	3.00	Green
12885M	O&M	Repl. U-1 NV Pump Cold Leg Iso. Valves	ECG	WBE	3.00	3.00	2.00	2.67	Green
13043M	O&M	U1 Reactor Building Isolation	ESF	WBE	3.00	3.00	3.00	3.00	Green
1331C	Cap	Turbine Seed Rotor (part of MTURLPNC)	JK	MCB	2.67	3.00	3.00	2.89	Green
1338CN	Cap	Keowee ACBs 1 & 2	AWB	MCB	2.50	2.75	2.00	2.42	Yellow
1428C	Cap	Oconee County Eoc Equip Installation	RW	WWF	3.00	2.00	3.00	2.67	Green
22998C	Cap	U2 Repl Vital I&C Batteries	ECG	MCB	2.83	2.67	2.00	2.50	Yellow
23043M	O&M	U2 Reactor Building Isolation	ESF	WBE	3.00	3.00	3.00	3.00	Green
23054M	O&M	U2 MS Line Supports	LJB	WBE	3.00	2.67	2.00	2.56	Green
32999C	Cap	U3 Repl Power Batteries	ECG	MCB	3.00	3.00	2.67	2.89	Green
52959C	Cap	Independent Spent Fuel Storage InstallationC	JES	WBE	2.75	2.75	2.00	2.50	Yellow
EOPINSPP	O&M	EOP Inspection	LK	WWF	2.60	2.57	3.00	2.72	Green
FIRESEAL	O&M	ONS Intrusive Inspection and Repair	DL	JSF	3.00	2.67	3.00	2.89	Green
		Summary of all measured projects:	14		2.88	2.79	2.62	2.76	Green

Number of measured projects: **14**

Competitive Positioning
PROJECTS

DEFINITION:
This measure is for 201 level projects greater than $100,000, excluding projects for hardware purchases only, that complete during the year.
The project performance measure for 2000, will consist of three components weighted equally: Quality, Schedule, and Cost.

The **Quality** portion of this measure will focus on how well the project management objectives are met. Because each project is unique, deliverables will be adjusted for the project specific needs. Performance rating: A project evaluation report will be completed by the Primary Customer, the Project sponsor, and the Project Manager. Each evaluator will rate how well each deliverable met their expectations using the following ratings:

1 = Failed to meet expectations 2 = Partially met expectations 3 = Met expectations

The average of the three evaluators scores will be the performance rating.

The **Schedule** measure will focus on how well project milestones are met. Project milestones will be defined in the scope and plan when the project is launched. Performance rating: The performance rating for milestones met will be supplied by the Project Manager and Business Group. This can be extracted from the project schedule and performance package used to manage the project. The rating will be based on the following scale for each milestone:

1 = > 28 days late 2 = 1-28 days late 3 = On time or early

The average score for the milestones will be the performance rating

The **Cost** measure will focus on how we manage total project costs. Performance Rating: The performance rating for cost met will be supplied by the Business Group. This can be extracted from the project cost and performance package used to manage the project. The rating will be based on the following scale:

1 = Greater than 110% of estimate 2 = Within 110% of estimate 3 = Within 100% of estimate

The average of all three sub-components, **Quality, Schedule** and **Cost** will represent the overall score for the Project Measure

1999 MEASURE SUCCESS CRITERIA:

GREEN:	≥ 2.50 YTD average score for all projects
YELLOW:	≥ 1.75 YTD average score for all projects
RED:	< 1.75 YTD average score for all projects

CURRENT MONTH STATUS:

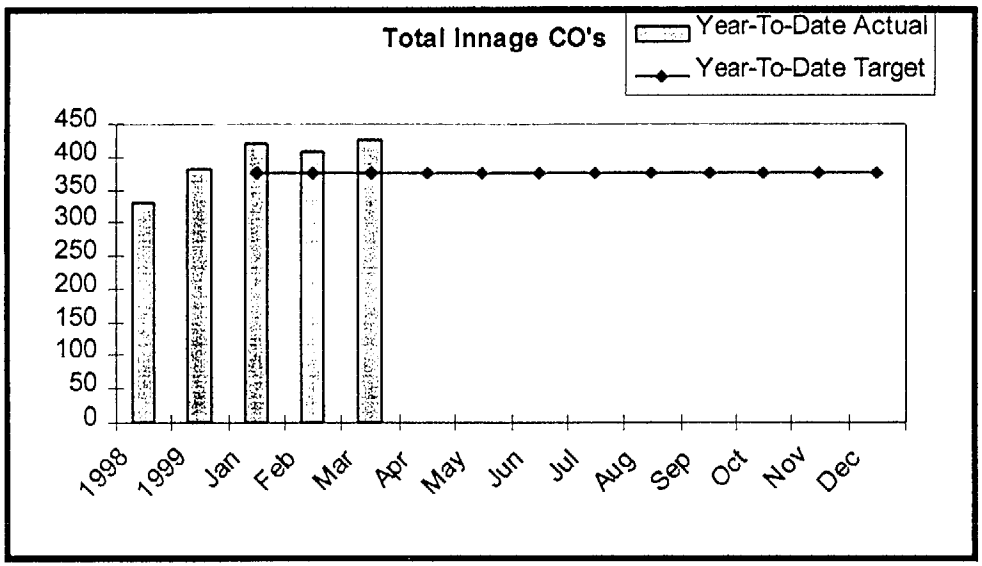
GREEN: The March measure is based on the status of 14 COMPLETED projects. These are projects completed during the last 12 months.

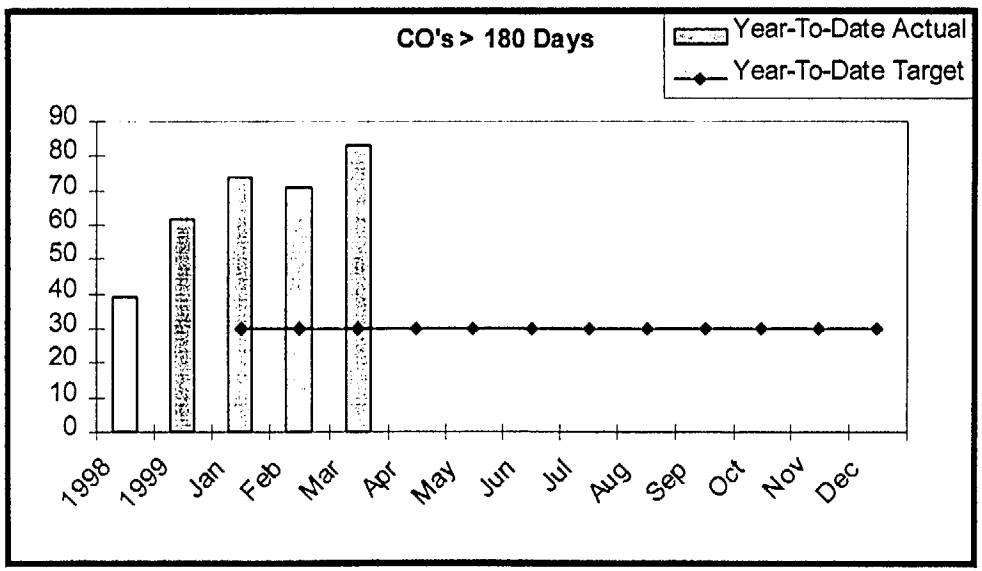
Quality	2.88
Schedule	2.79
Cost	2.62
Average	2.76

We are also currently measuring 63 additional active/open projects. The current status of these projects is also green.

Competitive Positioning

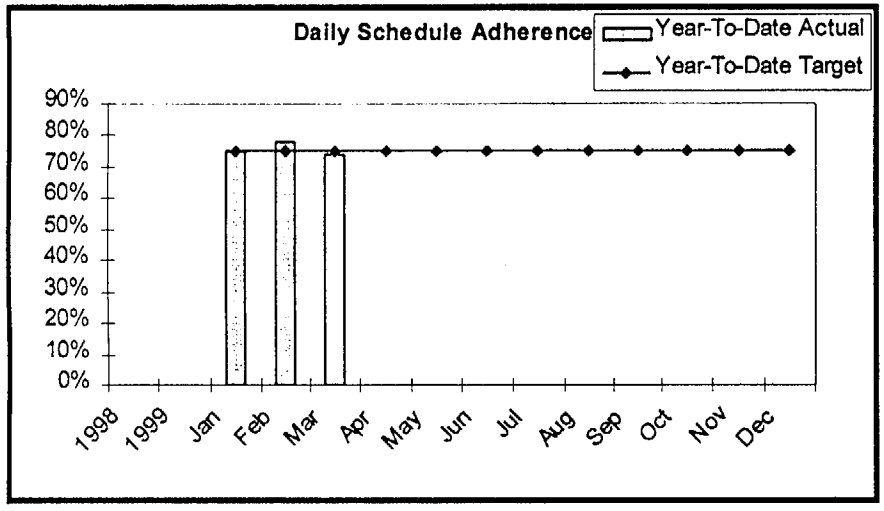
WORK PROCESS MEASURES

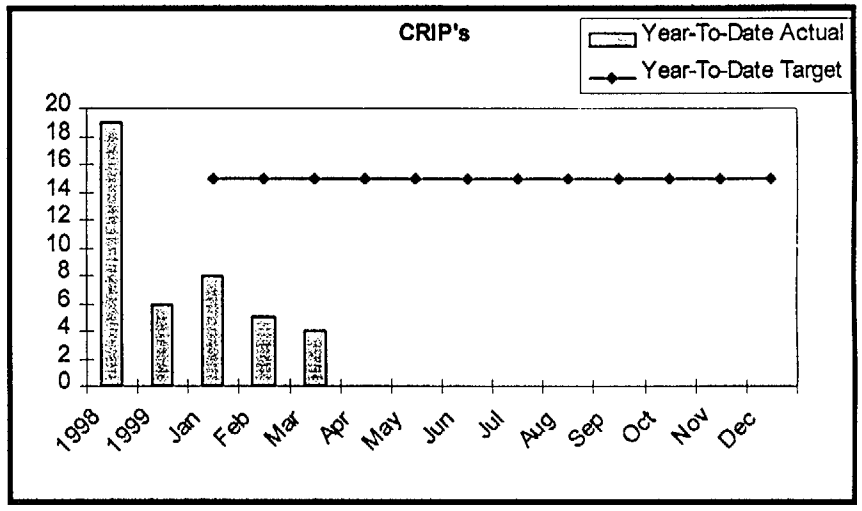


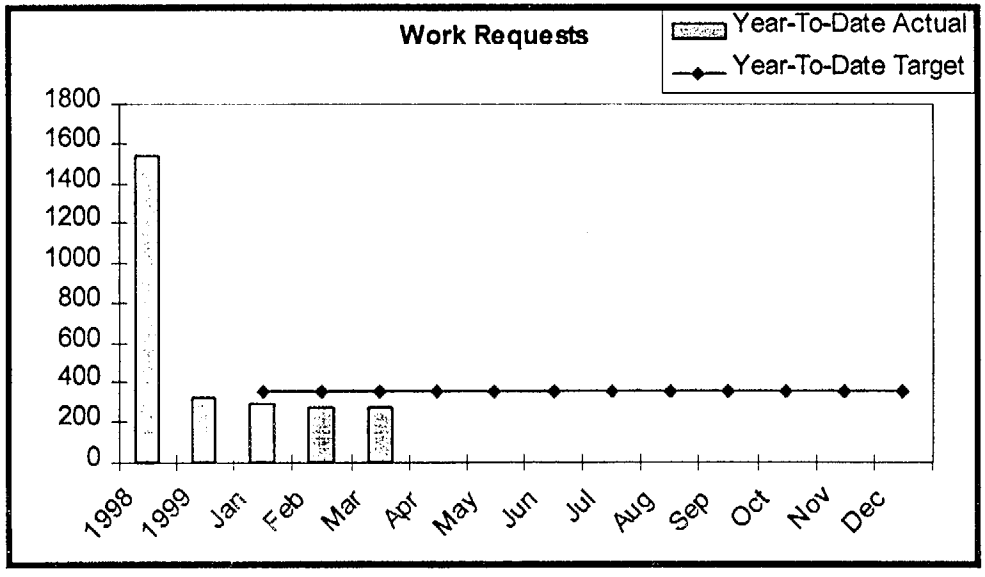


Competitive Positioning

WORK PROCESS MEASURES

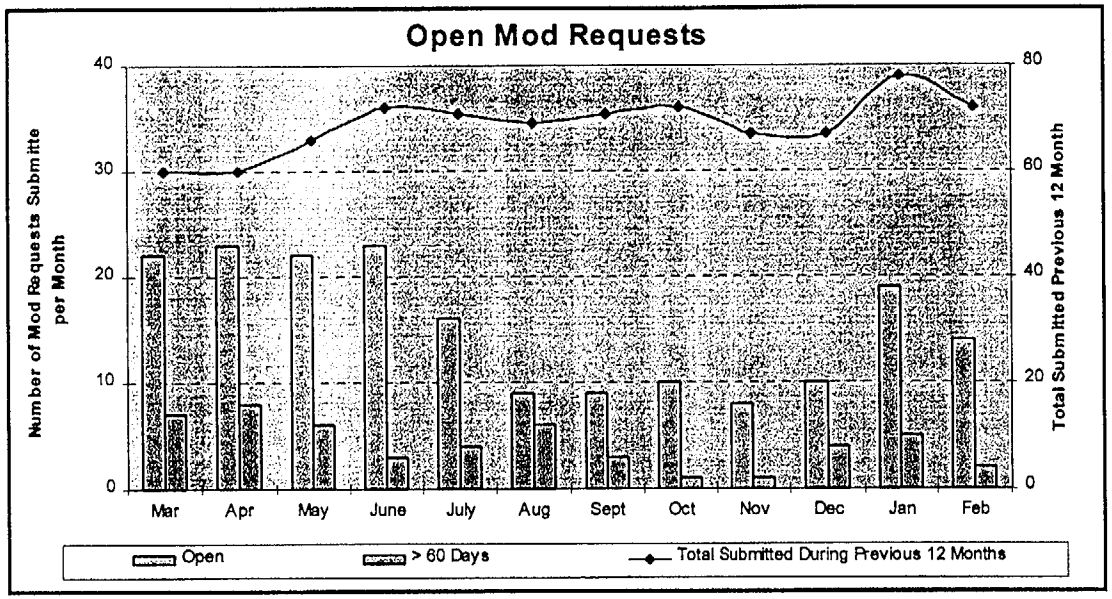


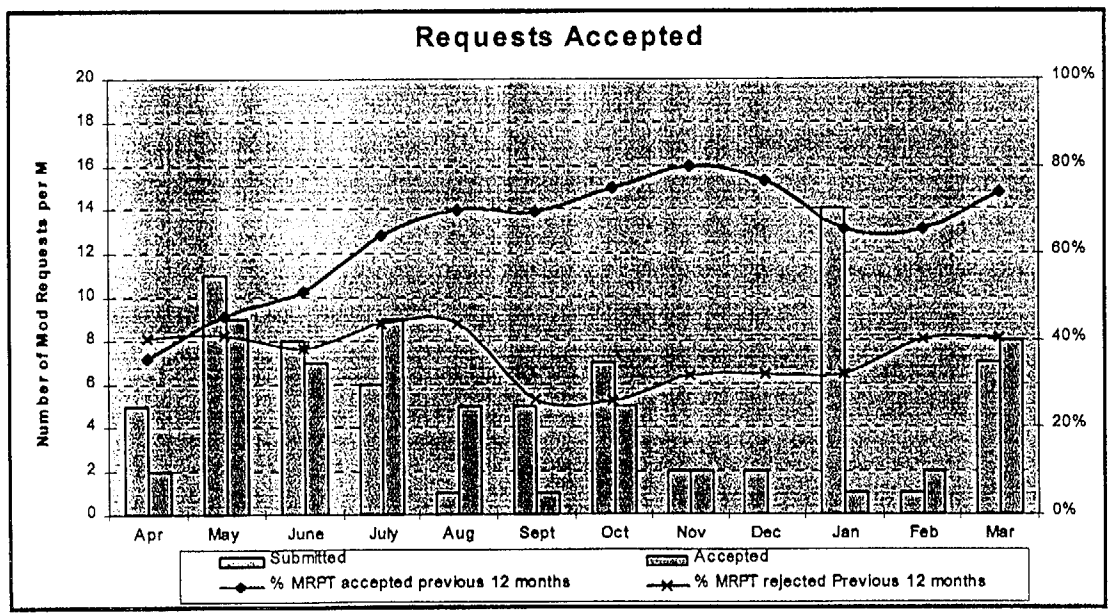




Competitive Positioning

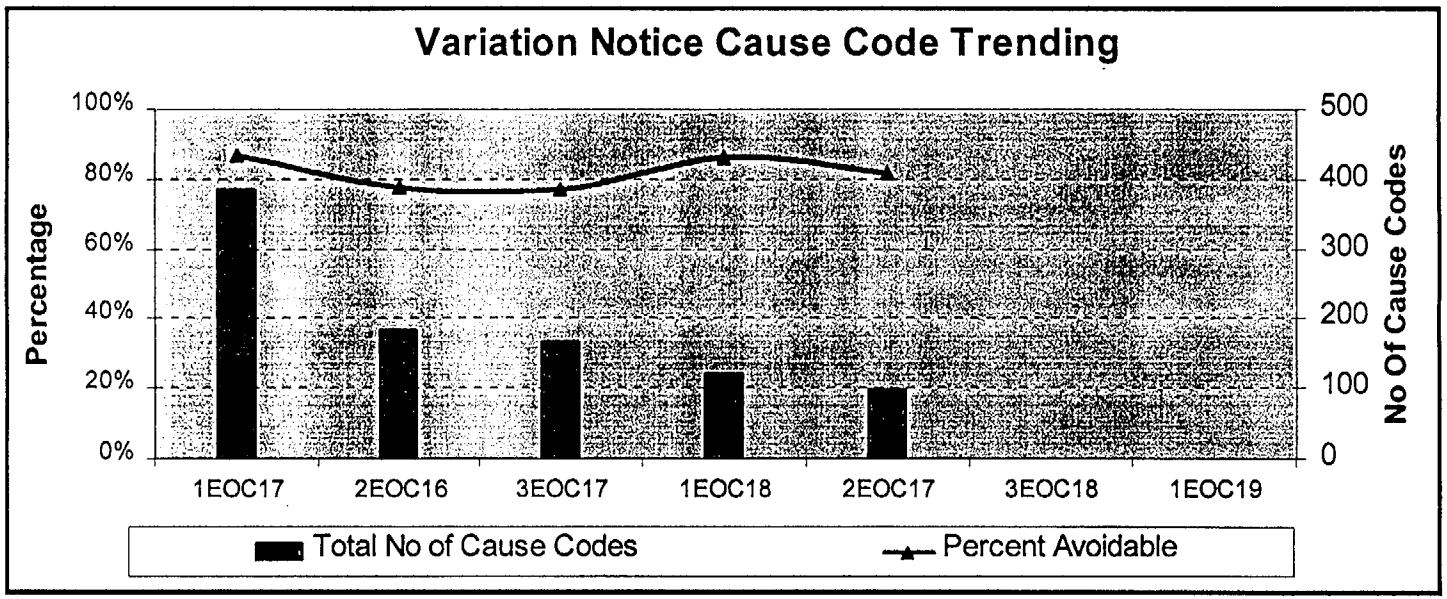
MODIFICATION EFFECTIVENESS - ACTIVATION

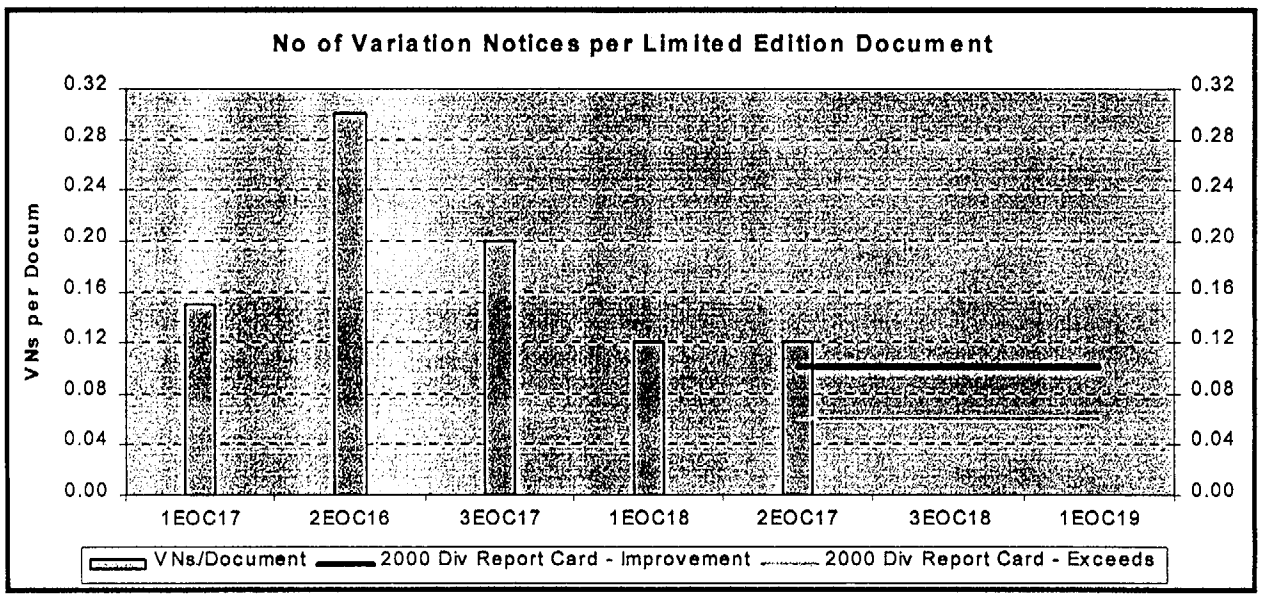




Competitive Positioning

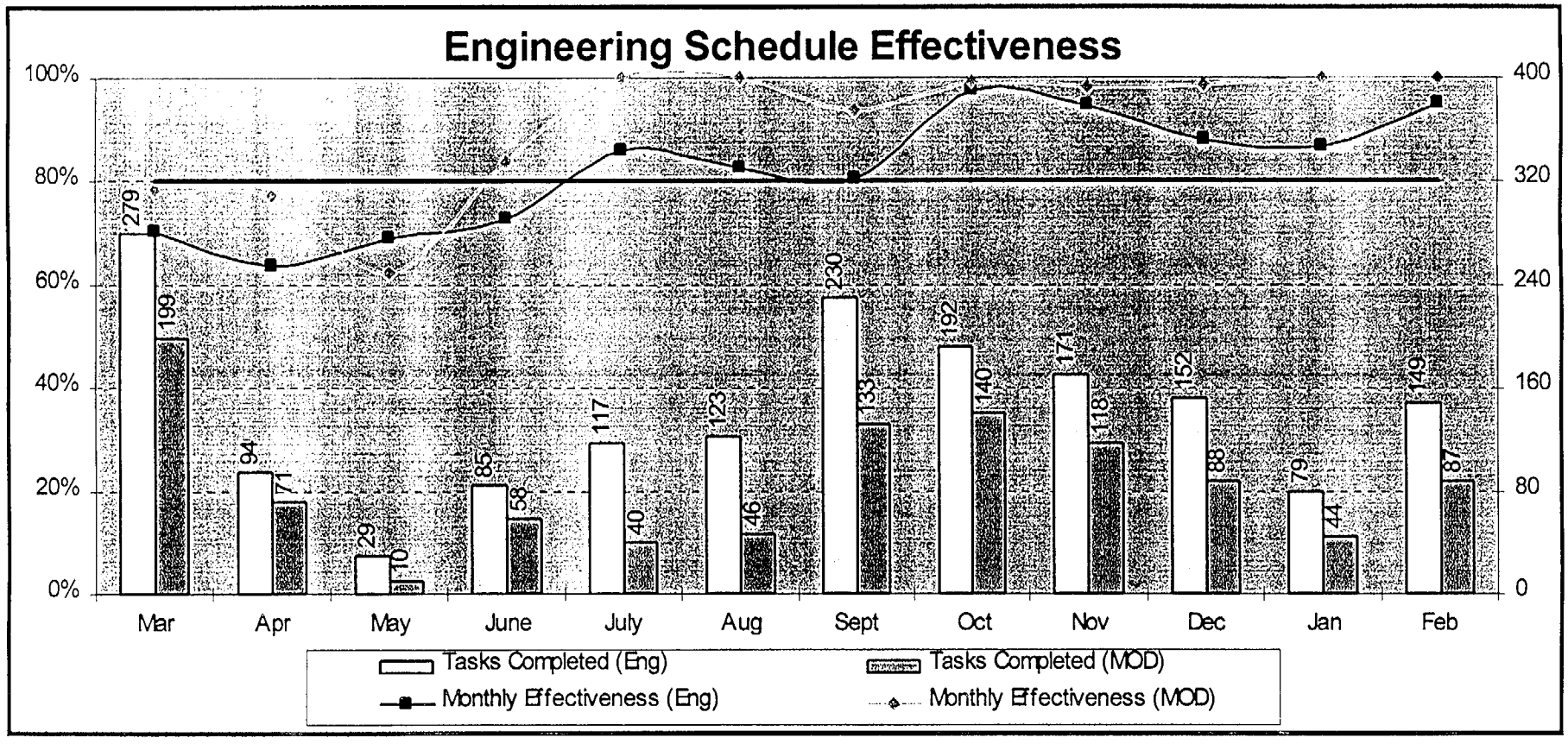
MODIFICATION EFFECTIVENESS - QUALITY





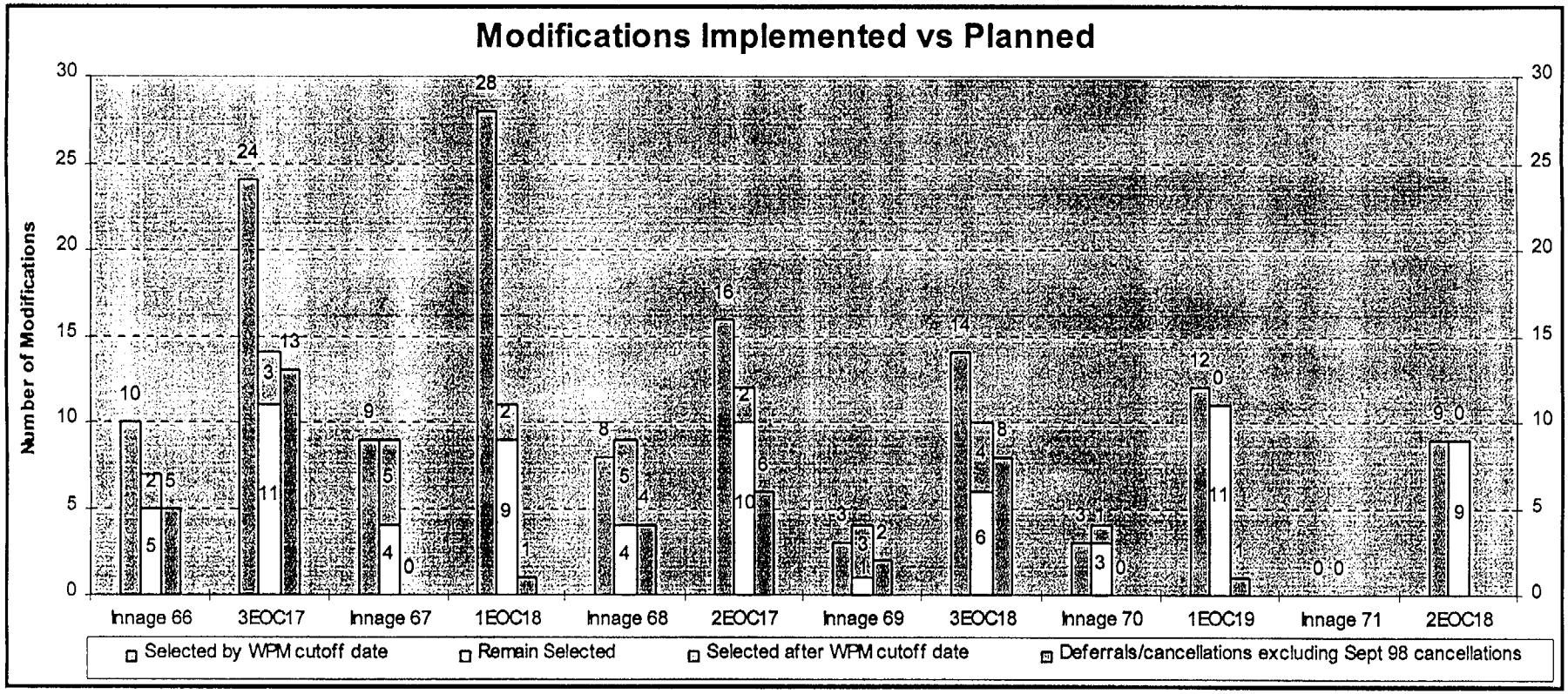
Competitive Positioning

MODIFICATION EFFECTIVENESS - WORK MANAGEMENT



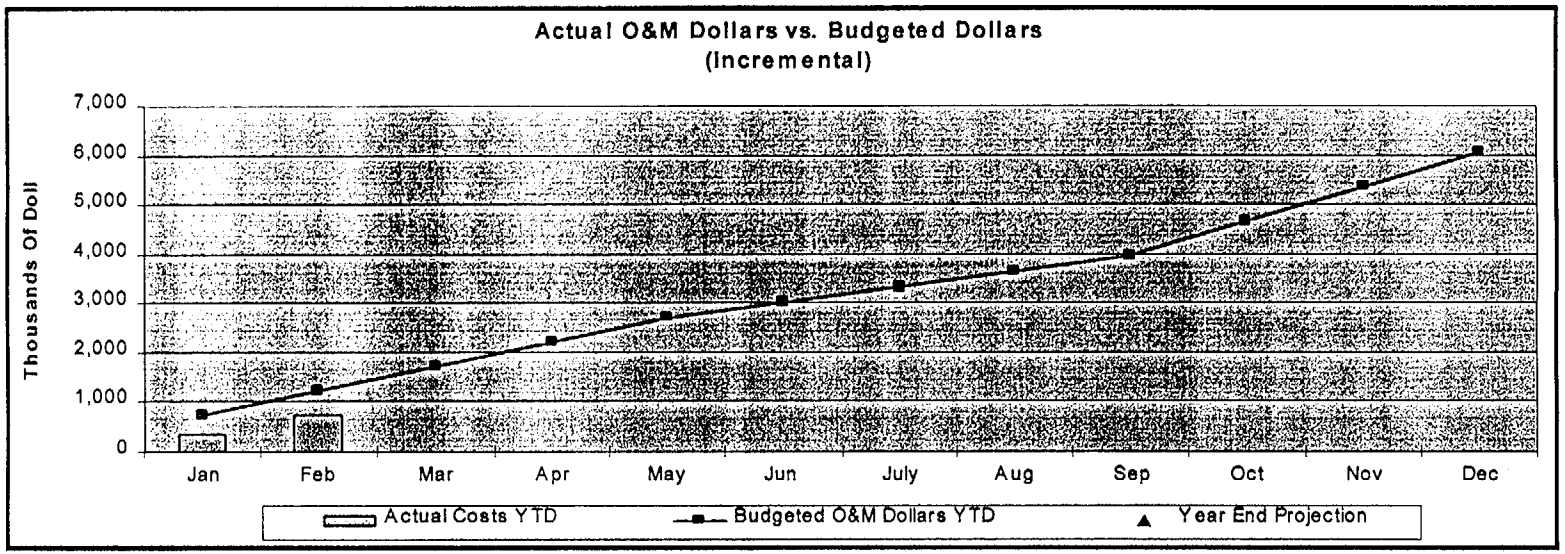
Competitive Positioning

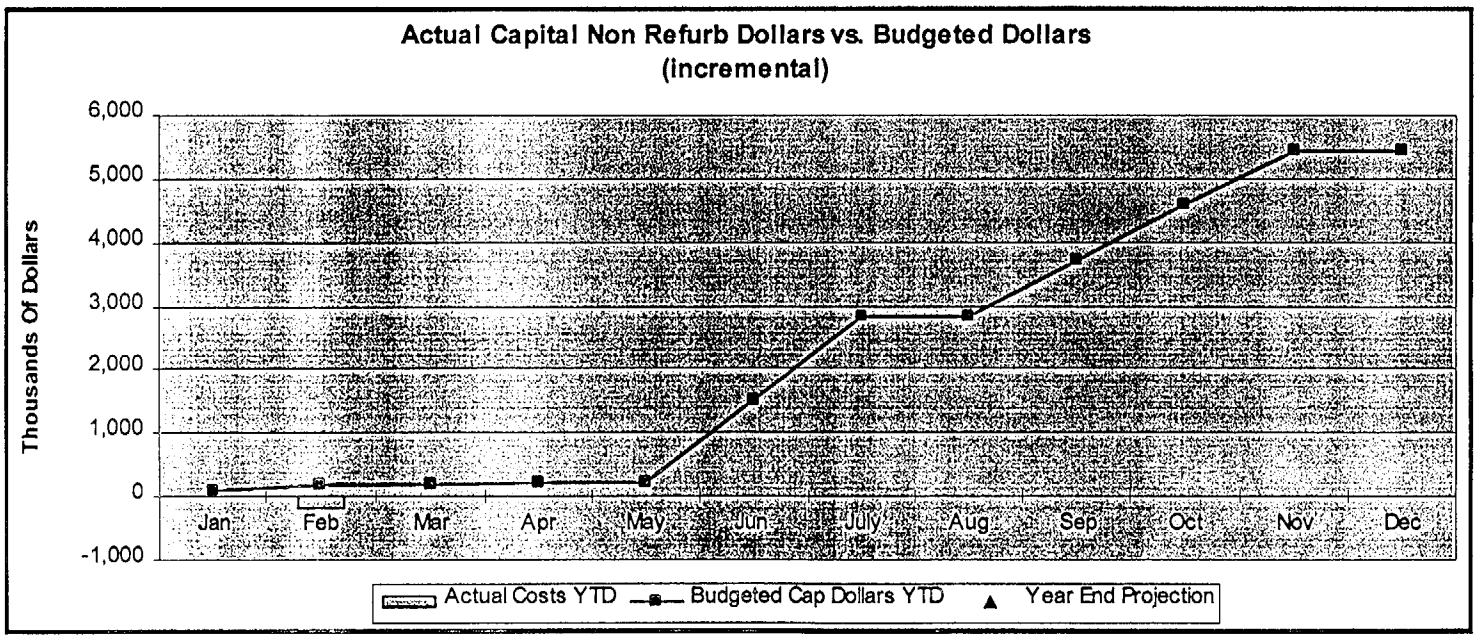
MODIFICATION EFFECTIVENESS - WORK MANAGEMENT



Competitive Positioning

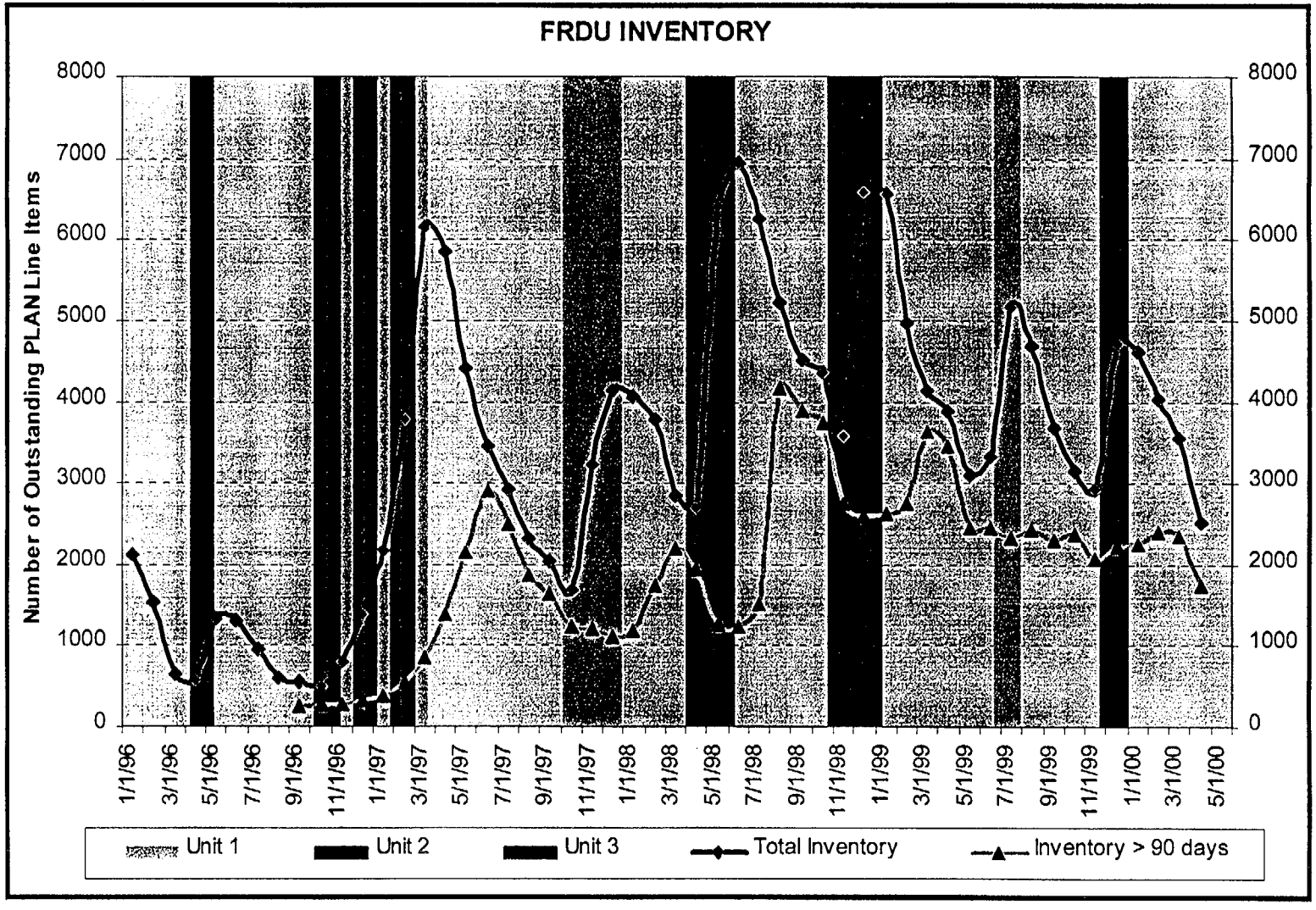
MODIFICATION EFFECTIVENESS - COST





Competitive Positioning

MODIFICATION EFFECTIVENESS CONFIGURATION MANAGEMENT



Competitive Positioning

ENGINEERING WORK MANAGEMENT

for period ending: March 2000

ENG. WORK MANAGEMENT HEALTH (Edge)			

SCHEDULE EFFECTIVENESS | PIPs | [redacted] | WORK ORDERS

Schedule Effectiveness

CRITERIA	GREEN (2 pts)	YELLOW (1 pt)	RED (0 pts)	MONTH ACTUAL
Measures on Target	2	1	0	1

MEASURE	CRITERIA	ACTUAL	ON/OFF	YTD
Weekly Avg. Schedule Effectiveness	>= 90%	96%	ON	93%
Weekly Avg. Engr. Support Program (ESP) Health	>= 90%	86%	OFF	85%

PIPs

CRITERIA	GREEN (2 pts)	YELLOW (1 pt)	RED (0 pts)	MONTH ACTUAL
	All ≥ Meets or 2 Exceeds w/1 Needs	Any other combination	≥ 2 Needs	1

MEASURE	EXCEEDS	MEETS	NEEDS	ACTUAL
Problem Evaluation > 30 Days 12 month rolling average	< 6	6 - 8	> 8	7.81
Corrective Actions > 6 months * 12 month rolling average	Plan Meets Goal and Actual < Goal	Plan Meets Goals and Actual No	Plan Does Not Meet Goal or	Needs
Mgmt Exception Corrective Actions 12 month rolling average	Plan Meets Goal and Actual < Goal	Plan Meets Goals and Actual No	Plan Does Not Meet Goal or	Meets

* Excludes PIPs with Management Exception

Modifications

CRITERIA	GREEN (2 pts)	YELLOW (1 pt)	RED (0 pts)	MONTH ACTUAL
Measures on Target	2	1	0	2

MEASURE	CRITERIA	ACTUAL	ON/OFF	YTD ****
% NSM's Meeting WO's Active Milestone	>= 90%	n/a***	ON	13%
% MM to WC Milestone	>= 90%	100%	ON	33%

*** No outage NSM WO's scheduled to be activated this month

**** Percentage of Mods complete for the work window (i.e., 1EOC19)

Work Orders

CRITERIA	GREEN (2 pts)	YELLOW (1 pt)	RED (0 pts)	MONTH ACTUAL
Measures on Target	2	1	0	1

MEASURE	CRITERIA	ACTUAL	ON/OFF
Eng. Hold WO's > 30 Days	<= 25	57	OFF
Eng. Rescheduled WO Tasks **	<= 2 / mo	2	ON

** Rescheduled for T-2 Schedule due to Engineering

SUCCESS CRITERIA:

GREEN: ≥ 3 Green and ≤ 1 Red Windows

YELLOW: Any other combination