APR 2 1996

Tennessee Valley Authority
ATTN: Mr. Oliver D. Kingsley, Jr.
President, TVA Nuclear and
Chief Nuclear Officer
6A Lookout Place
1101 Market Street
Chattanooga, TN 37402-2801

SUBJECT: MEETING SUMMARY - SEQUOYAH NUCLEAR PLANT, DOCKET NOS. 50-327, 50-328

Dear Mr. Kingsley:

On March 25, 1996, the NRC staff met at the Sequoyah Nuclear Plant with representatives of the Tennessee Valley Authority's Sequoyah Nuclear Plant staff. The purpose of this meeting was to discuss recent operational performance of the Sequoyah Units. Enclosure 1 is a list of the individuals who attended the meeting, Enclosure 2 contains a copy of the material supplied by the licensee at the meeting, and Enclosure 3 contains mutually agreed to additional information provided by the licensee on March 29, 1996.

In accordance with Section 2.790 of the NRC's "Rules of Practice," Part 2, Title 10 Code of Federal Regulations, a copy of this letter and its enclosures will be placed in the NRC Public Document Room.

Should you have any questions concerning this letter, please contact us.

Sincerely,

Original Signed by
M. S. Lesser

Mark S. Lesser, Chief
Reactor Projects Branch 6
Division of Reactor Projects

Docket Nos. 50-327, 50-328
License Nos. DPR-77, DPR-79

Enclosures: 1. List of Attendees
2. Handout Material
3. Additional Material

cc w/encls: (See page 2)

090033

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cc w/ encls:
Mr. O. J. Zeringue, Senior Vice Pres.
Nuclear Operations
Tennessee Valley Authority
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Chattanooga, TN 37402-2801

Dr. Mark O. Medford, Vice Pres.
Engineering & Technical Services
3B Lookout Place
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Mr. R. J. Adney, Site Vice Pres.
Sequoyah Nuclear Plant
Tennessee Valley Authority
P. O. Box 2000
Soddy Daisy, TN 37379

General Counsel
Tennessee Valley Authority
ET 11H
400 West Summit Hill Drive
Knoxville, TN 37902

Mr. P. P. Carier, Manager
Corporate Licensing
Tennessee Valley Authority
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1101 Market Street
Chattanooga, TN 37402-2801

Mr. Ralph H. Shell
Site Licensing Manager
Sequoyah Nuclear Plant
Tennessee Valley Authority
P. O. Box 2000
Soddy Daisy, TN 37379

TVA Representative
Tennessee Valley Authority
Rockville Office
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Suite 402
Rockville, MD 20852

Mr. Michael H. Mobley, Dir.
Div., of Radiological Health
3rd Floor, L and C Annex
401 Church Street
Nashville, TN 37243-1532

County Judge
Hamilton County Courthouse
Chattanooga, TN 37402

Distribution w/encls: (See page 3)

Distribution w/encls:
E. W. Merschoff, RII
M. S. Lesser, RII
S. E. Sparks, RII
F. J. Hebdon, NRR
D. E. LaBarge, NRR
G. T. MacDonald, RII
C. F. Smith, RII
G. B. Kuzo, RII
D. H. Thompson, RII
J. H. Moorman, RII
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PUBLIC

NRC Resident Inspector
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NRC Resident Inspector
U. S. Nuclear Regulatory Commission
1260 Nuclear Plant Road
Spring City, TN 37381

OFFICE	DRP/RII											
SIGNATURE	S E Sparks											
NAME	SSparks:vyg											
DATE	04 / 2 / 96		04 / / 96		04 / / 96		04 / / 96		04 / / 96		04 / / 96	
COPY?	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO

OFFICIAL RECORD COPY DOCUMENT NAME: G:\BR6.SQ\MM325.SUM

LIST OF ATTENDEES

NRC

S. D. Ebneter, Regional Administrator, Region II (RII)
J. R. Johnson, Deputy Director, Division of Reactor Projects (DRP), RII
M. S. Lesser, Branch Chief, Branch 6, DRP, RII
W. E. Holland, Senior Resident Inspector, Branch 6, DRP, RII
F. J. Hebdon, Director, Project Directorate II-3, Office of Nuclear Reactor Regulation (NRR)
S. E. Sparks, Project Engineer, Branch 6, DRP, RII
R. D. Starkey, Resident Inspector, Branch 6, DRP, RII

Licensee Attendees:

O. D. Kingsley, President, TVA Nuclear
O. J. Zeringue, Senior Vice President, Nuclear Operations
R. J. Adney, Site Vice President
J. S. Summy, Assistant Plant Manager
W. Lagergren, Acting Operations Manager
L. S. Bryant, Outage Manager
R. F. Driscoll, Nuclear Assessment and Licensing Manager
M. Burzynski, Engineering and Materials Manager

Enclosure 1

TVA

TVA/NRC MANAGEMENT MEETING
SEQUOYAH NUCLEAR PLANT

March 25, 1996
Sequoyah Training Center

Enclosure 2

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TVA/NRC MANAGEMENT MEETING
MARCH 25, 1996
SEQUOYAH TRAINING CENTER

AGENDA

INTRODUCTION	R. J. Adney
UNIT PERFORMANCE	W. R. Lagergren
PLANT SUCCESSES - Programs - Hardware	W. R. Lagergren
PLANT RELIABILITY	
EQUIPMENT RELIABILITY - Equipment Improvements - Recent Problems - Summary of Lessons Learned	M. J. Burzynski
PERSONNEL/PROCESS IMPROVEMENTS - Results of Previous Assessments - Present Ongoing Initiatives	J. S. Summy
UNIT TWO CYCLE SEVEN OUTAGE	L. S. Bryant
SUMMARY	R. J. Adney

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INTRODUCTION

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UNIT PERFORMANCE

- Unit 1 is in Mode 1 at approximately 100% power. The unit has been on-line for 11 days. The unit returned from a planned outage to replace the No. 2 reactor coolant pump motor and seal on March 14th.

- Capacity factor for the 1995 calendar year 69.9 (includes 63-day refueling outage)

- Unit 2 is in Mode 1 at approximately 100% power. The unit has been on-line for 92 days. The Unit 2 Cycle Seven Refueling Outage is scheduled to begin on April 19th.

- Capacity factor for the 1995 calendar year 91.9

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PLANT SUCCESSES

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PROGRAM SUCCESSES

- Backlogs remain low / not impacting current performance
- Erosion/Corrosion Program
- Strong, continuing operations improvement initiatives
- Excellent steam generator chemistry controls
- Corrective action process

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BACKLOGS

- Only six of original fifty backlogs from 1993 restart remain open
- Non-outage Corrective Maintenance Work Orders
  - 1200 reduced to 400
- Vendor Manual revisions
  - >2000 reduced to 0
- Drawing Deviations
  - >700 reduced to 4
- Delinquent Preventive Maintenance (PM)
  - Approximately 25/week reduced to 0
- Temporary Alterations
  - 58 reduced to 24 (Note: 11 will be cleared during U2C7)

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HARDWARE SUCCESSES

- Significant progress in long-term plant improvements
  - Lower compartment cooler replacement - complete
  - Charging pump room cooler replacement - complete
  - MSIV & MS check valve modification - in progress - completes U2C7
  - Degraded voltage modifications - in progress - completes April 5th
  - Arrow-Hart replacement - in progress
  - Containment electrical cable penetration replacement - in progress
  - BOP enhancements

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BOP ENHANCEMENTS

- Installed manual operator on the No. 3 HDT bypass valves to reduce heater drain problems during startup
- Changed single point trip logic on the stator cooling system to 2 of 3 logic
- Upgraded main steam dump controllers
- Modified S/G PORV actuators to improve pressure control
- Stiffened the level columns on the No. 1 heaters to prevent erratic operation due to vibration
- Replaced station battery
- Upgraded the hotwell makeup/drag system
- Added instrument line isolation valves on heater drain valves to allow on-line maintenance
- Enhanced raw cooling water pump packing
- Upgraded generator seal oil system pressure switches
- Improved accuracy of condenser pressure indication

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PLANT RELIABILITY

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EQUIPMENT RELIABILITY

REASON: *PLANT RELIABILITY WAS NOT IMPROVING SUFFICIENTLY DESPITE THE EFFORT WE DIRECTED TOWARDS MATERIAL, PERSONNEL, AND PROCESS ISSUES*

FOCUS-TEAM APPROACH: INDEPENDENT TEAMS TO LOOK AT -

- Why are problems still occurring
- Current hardware and process issues impacting reliability
- Vertical slice of representative system
  (System 006 - heaters, drains, and vents)
- Common cause of '94/'95 events

RESULTS:

- Recommended equipment improvements
- Areas for process improvements

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EQUIPMENT IMPROVEMENTS

- Significant improvements to safety-related equipment
  - Improved equipment performance
  - Improved design capability
- Significant improvements to reliability-related equipment
  - Improved equipment performance
  - Improved design capability
  - Comprehensive plan for reliability hardware improvements ongoing

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EQUIPMENT IMPROVEMENTS

Safety-Related Improvements

Arrow-Hart replacement

Penetration replacements

Lower compartment coolers

Chiller upgrades

MSIV/MSCV upgrades

SBO improvements

IPEEE improvements

S/G FW nozzle replacements

Reliability-Related Improvements

Capacitor bank installation

Switchyard breaker replacements

FW/COND chemistry controls

Buckholtz relay improvements

HDT #3 performance

250v DC battery replacements

Offsite power alignment to CSSTs

SEQUOYAH RELIABILITY HARDWARE ISSUES

ISSUE NO.	ISSUE NAME	FY 96 AND PRIOR YRS	FY 97	FY98	FY99	OUT YEARS
1	No. 2 Feedwater Heater Bypass	S	U2D	U1D,U2I	U1I	
2	CCW Pump Motor Protection	S, D, U2I	U1I			
3	Yarway Valve Replacement		U2D	U1D,U2I	U1I	
4	MFP Recirculation Valve		S,U2D	U1D,U2I	U1I	
5	Main Transformer Relay	S	D(TBD)	I(TBD)		
6	Add Duplex Seal Oil Filter	D,U2I	U1I			
7A	No. 7 HDT Flow Indication		U2D	U1D,U2I	U1I	
7B	No. 7 HDT Optimization			D	I	
8	Generator Trip	D,I				
9	WTA Voltage Regulator		U2D	U1D,U2I	U1I	
10	FW Heater Level Control		S,D	U2I	U1I	
11	CBP Suction Pressure Switch	S	D,U1I	U2I		
12	MFP and Turbine Vibration	D,U2I	U1I			
13A	Steam Seal System FCV Operators		D	U2I	U1I	
13B	Steam Seal System PCV Indicators		D	U2I	U1I	
14	Replace Station Air Compressors	S,D,I	I			
15	EHC		U1I	U2I		
16	Digital MFW Control System		S	U1D	U2D	I
17	Water Supply for Bearing Lube Pmps	S	D,I			
18	Pressurizer Safety Valves	S,U1D	U2D,U1I	U2I		
19	RCP Seals	U2I				
20	PM for Main Generator Exciter	U2I				
21	Station Battery Mod	I				
22	No. 3 HDT Relay	U2I				
23	T.B. Temperature	U2I				

S=Study D=Design I=Implementation

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RECENT PROBLEMS
NOV/DEC - 1995

PROBLEM	CAUSE	CORRECTIVE ACTION
Unit 1 turbine intercept valve closure	Equipment - Failed comparator card in EHC	Feature was not needed; disabled on Unit 1 Unit 2 to be disabled during U2C7
Unit 1 exciter grounds NOV and DEC	Equipment - Mfg. defect/error - cable ground in resistor bank area and grounds in field poles	Checked voltage regulator, completed all recommended exciter testing, rerouted cabling, repaired field pole, performed RCA, replaced exciter, evaluating contractor performance
Unit 1 broken air supply line to the No. 4 feedwater regulator valve	Personnel/Process - Improper piping configuration in high vibration environment	Other similar conditions on both units were examined; process change to maintenance procedures
Unit 2 switchyard breaker (PCB 974)	Equipment - Mfg. defect/error in the main control chamber/failure of circulating water pumps to "ride out" relaying transient	Inspection/maintenance on all similar breakers, redesign of relaying schemes

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SUMMARY OF LESSONS LEARNED

- Good questioning attitude to identify root cause and critique overall performance during event
- Aggressive corrective actions to correct design issues
- Four of the five events were caused by equipment failures not detectable through routine testing and monitoring

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RESULTS OF PREVIOUS ASSESSMENTS

- Reduction in personnel-related events
  - Recent events
  - Operator performance
- Corrective Action Program improvements
  - Use of low level precursors
  - Line organization ownership
  - Quality of investigations

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PRESENT ONGOING INITIATIVES

- Improving sitewide accountability
  - Site stand downs
  - Supervisor/Management training
- Improving operator knowledge and command of the plant
  - Fundamentals Training
  - Unit Manager role and Shift Manager accountability
- Increasing emphasis in maintenance area
  - Unit 1 RCP seal
  - Quality of supervisor involvement
  - Postjob critique/scenario training
- Use of Corrective Action Program to assure continuous feedback

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UNIT 2 CYCLE 7 OUTAGE

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SCOPE

- Forty-three modifications
  - Condenser replacement
  - Integrated computer system
  - Arrow-Hart contactor replacements (88)
  - Containment electrical penetrations (4)
- Steam generator chemical cleaning
- Main turbine inspection
- 10-Year Phase I Inservice Inspection Interval
- 1600 work orders

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SCHEDULE

- Fifty-five days breaker to breaker starting April 19th
- Condenser replacement is critical path
- Nine milestone windows/milestone managers
- Resource-leveled schedule currently in independent review
- Added critical path time for control rod insertion testing (NRC Bulletin 96-01)

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PEOPLE

- Outage Preparation Team

- Twenty-eight High Impact Teams
  - Defense in depth
  - Electrical distribution
  - Condenser replacement
  - Integrated computer system

- Outage kickoff meetings

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IMPLEMENTATION OF LESSONS LEARNED

- Over 200 U1C7 critique items
- U1 RCP outage critique items
- INPO outage assist suggestions
- Implementation of new Work Coordination Center
- Mode change management tools

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FOCUS AREAS

- Nuclear safety
- Condenser replacement
- Plant computer upgrade
- Steam generator chemical cleaning
- Startup from outage
- People
  - Teamwork
  - Ownership
  - Accountability

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SUMMARY

COMPLETED AND PLANNED EQUIPMENT RELIABILITY IMPROVEMENTS

Enclosure 3

SEQUOYAH NUCLEAR PLANT
MAJOR RELIABILITY PROJECTS BY FISCAL YEAR

1992

- Replace 5, 6, 7 Feedwater Heater (U2)
- Refurbish Hi Pressure Turbine
- Replace Generator Rotor and Rewind Stator
- Replace Load Tap Changing CSS Transformer "C"
- Modify Steam Dump Valves
- Replace CCS Heat Exchanger "A"
- Refurbish RCP Motors
- Fix Feedwater Nozzle Leaks
- Peen Steam Generator Hot Leg
- Install RCS Level Indication (U1 and U2)
- Install Bypassed and Inoperable Status Indicator (BiSi)
- Replace Vital Batteries

1993

- Refurbish and Upgrade Turbine Control Valves
- Rebuild ERCW Pumps (1 and 2 of 8)
- Reduce Boric Acid
- Upgrade No. 3 Heater Drain Tank
- CRDR - Rework MCR Panels (Cat 3 HEDs)
- Buchholtz Relay Replacement (U2)
- Replace Lower Compartment Coolers (U2)

SEQUOYAH NUCLEAR PLANT
MAJOR RELIABILITY PROJECTS BY FISCAL YEAR

1994

- Rebuilt ERCW Pumps (3 and 4 of 8)
- Refurbish RCP Motors
- Replace Main Steam Traps
- Buchholtz Relay Replacement (U1)
- Switchyard Breaker Replacement (PCB)
- NIS Power Range Modification
- Install Load Tap Changing CSS Transformer "B"
- Install Out-of-Water Limit Switch for Fuel Transfer System

1995

- Capacitor Bank Installation
- Switchyard Breaker (PCB) Replacement
- MSIV Upgrades
- Erosion/Corrosion Piping Replacement
- Rebuild ERCW Pumps (5 and 6 of 8)
- Refurbish Arrowhart/Allis Chalmers MCCs (Partial)
- Replace Steam Generator Feedwater Interface Piping (Partial 2 of 4) (U1)
- Replace Lower Compartment Cooler Coils and Temperature Control Valves (U1)
- NIS Power Range Modification (U1)

SEQUOYAH NUCLEAR PLANT
MAJOR RELIABILITY PROJECTS BY FISCAL YEAR

1996

- Retube Main Condenser (U2)
- Upgrade Integrated Computer System (U2)
- Replace Secondary Sampling and Instrumentation
- Modify Main Steam Check Valves
- Rebuild ERCW Pumps (7 of 8)
- Erosion/Corrosion Piping Replacement
- Refurbish Arrowhart/Allis Chalmers MCCs (Partial)
- Replace Electrical Penetrations
- CCW Pump Motor Protection (U2)
- Replace Station Air Compressors (1 of 2)
  Replace Station Batteries
- PM for Main Generator Excitor
- Add Duplex Seal Oil Filter (U2)

SEQUOYAH NUCLEAR PLANT
MAJOR RELIABILITY PROJECTS BY FISCAL YEAR

1997

- Retube Main Condenser (U1)
- Upgrade Integrated Computer System (U1)
- Rebuild ERCW Pumps (8 of 8)
- Replace Main Generator Voltage Regulator
- Replace RCW Chlorination System
- Install Bearing Lube Water System
- Replace Secondary Sampling and Instrumentation
- Replace Electrical Penetrations
- Replace Steam Generator Feedwater Heater Interface Piping
- Refurbish Arrowhart/Allis Chalmers MCCs (Partial)
- CCW Pump Motor Protection (U1)
- Add Duplex Seal Oil Filter (U1)
- MFP and Turbine Vibration Modification (U1)
- Replace Station Air Compressor (2 of 2)
- Pressurizer Safety Valves (U1)
- Ice Condenser Floor Upgrade (5 bays)

SEQUOYAH NUCLEAR PLANT
MAJOR RELIABILITY PROJECTS BY FISCAL YEAR

1998

- No. 2 Feedwater Heater Bypass Modification (U2)
- Yarway Valve Replacement (U2)
- MFP Recirculation Valve Modification (U2)
- Ice Condenser Floor Upgrade (partial U1 and U2)
- Main Transformer Relay Modification
- No. 7 HDT Flow Indication (U2)
- WTA Voltage Regulator (U2)
- Feedwater Heater Level Control Modification (U2)
- Steam Seal System Control Valves, Motor Operators, and PCV Positioner (U2)

1999

- No. 2 Feedwater Heater Bypass Modification (U1)
- Yarway Valve Replacement (U1)
- MFP Recirculation Valve (U1)
- No. 7 HDT Flow Indication (U1)
- No. 7 HDT Optimization
- WTA Voltage Regulator (U1)
- Feedwater Heater Level Control (U1)
- Ice Condenser Floor Upgrade (partial U1 and U2)
- Steam Seal System Control Valves, FCV Motor Operators, and PCV Positioner (U1)

2000

- Finish Ice Condenser Floor Upgrades (U1)
- Digital MFW Control System Modification (U1 and U2)

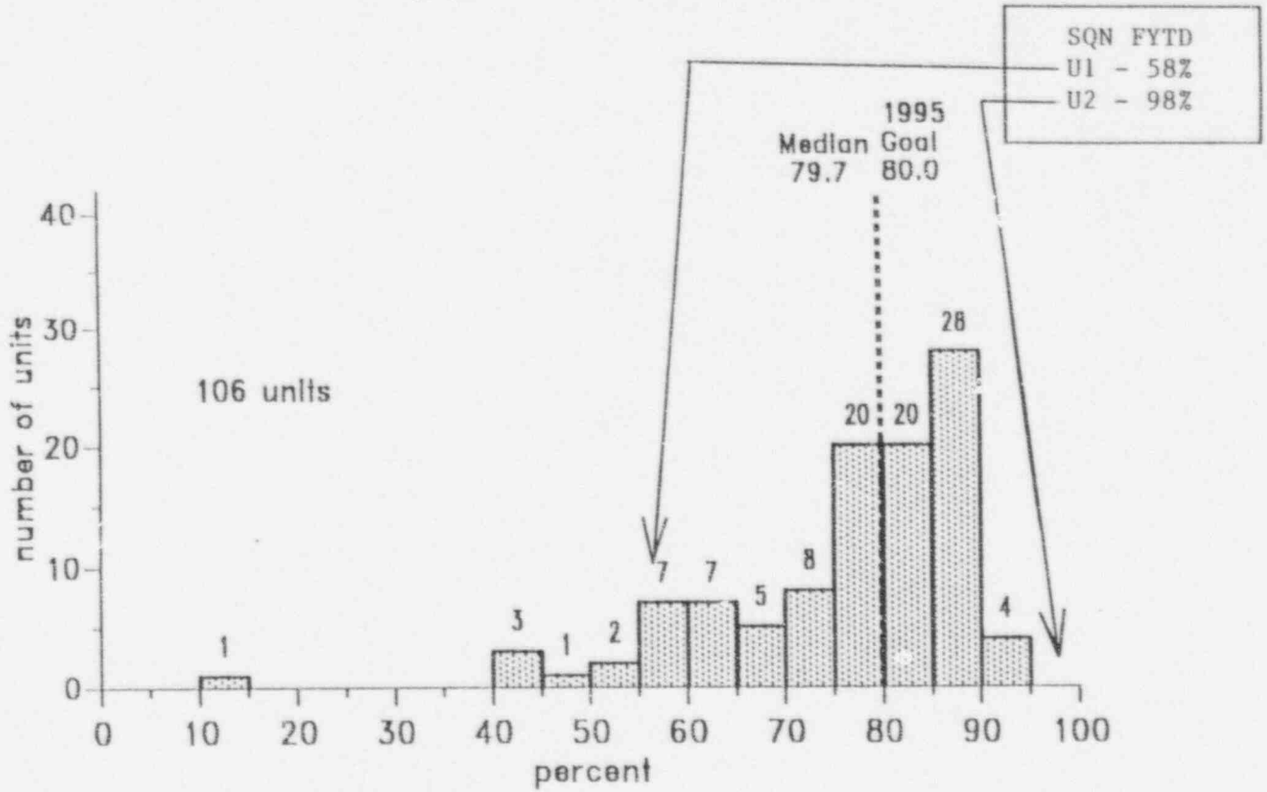
SECONDARY PLANT RELIABILITY IMPROVEMENTS

- Rebuilt 1A main feedwater pump
- Rebuilt 1A and 1B hotwell pumps
- Installed portable air compressor to provide backup for aged station air compressors
- Rebuilt Masonelian valves on heater drain system
- Rebuilt main feedwater reg. and bypass valves
- Upgraded reliability of main feed pump controls by enhancements in PM program
- Replaced carbon steel flow limiting orifices with stainless steel orifices throughout the turbine cycle to improve plant reliability (i.e., leaks)
- Replaced level switch floats on heater drain system
- Rebuilt station air compressor after-coolers
- Removed high-point vents in main feed pump leakoff drain lines (improved reliability by eliminating a source of oil contamination)
- Developed full-range level indication for the No. 3 heater drain tanks

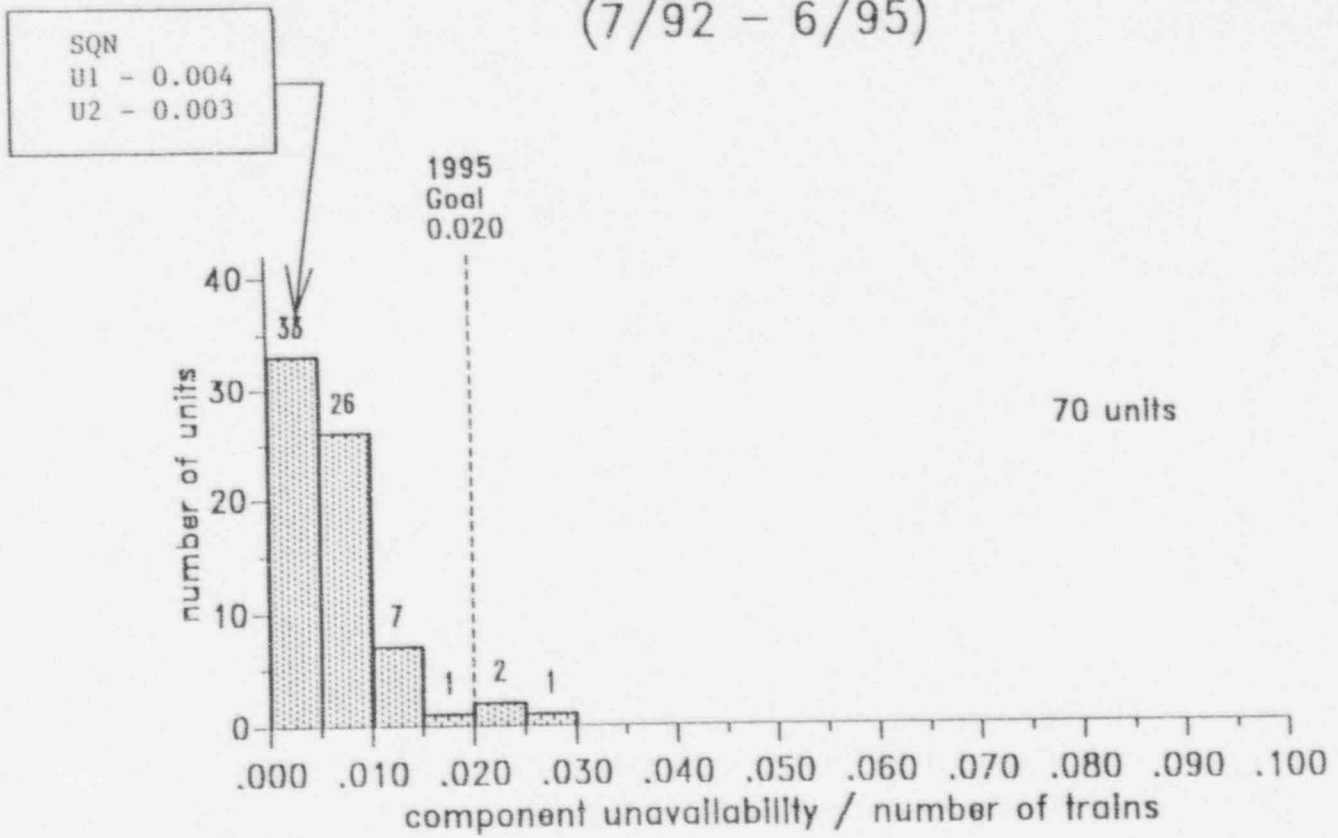
EQUIPMENT RELIABILITY

- **Key safety systems unavailability continues to meet established goals by significant margins**
  - **Safety Injection**
  - **Auxiliary Feedwater**
  - **Diesel Generators**
  - **Component Cooling**

Unit Capability Factor
Three-year Distribution
(7/92 - 6/95)



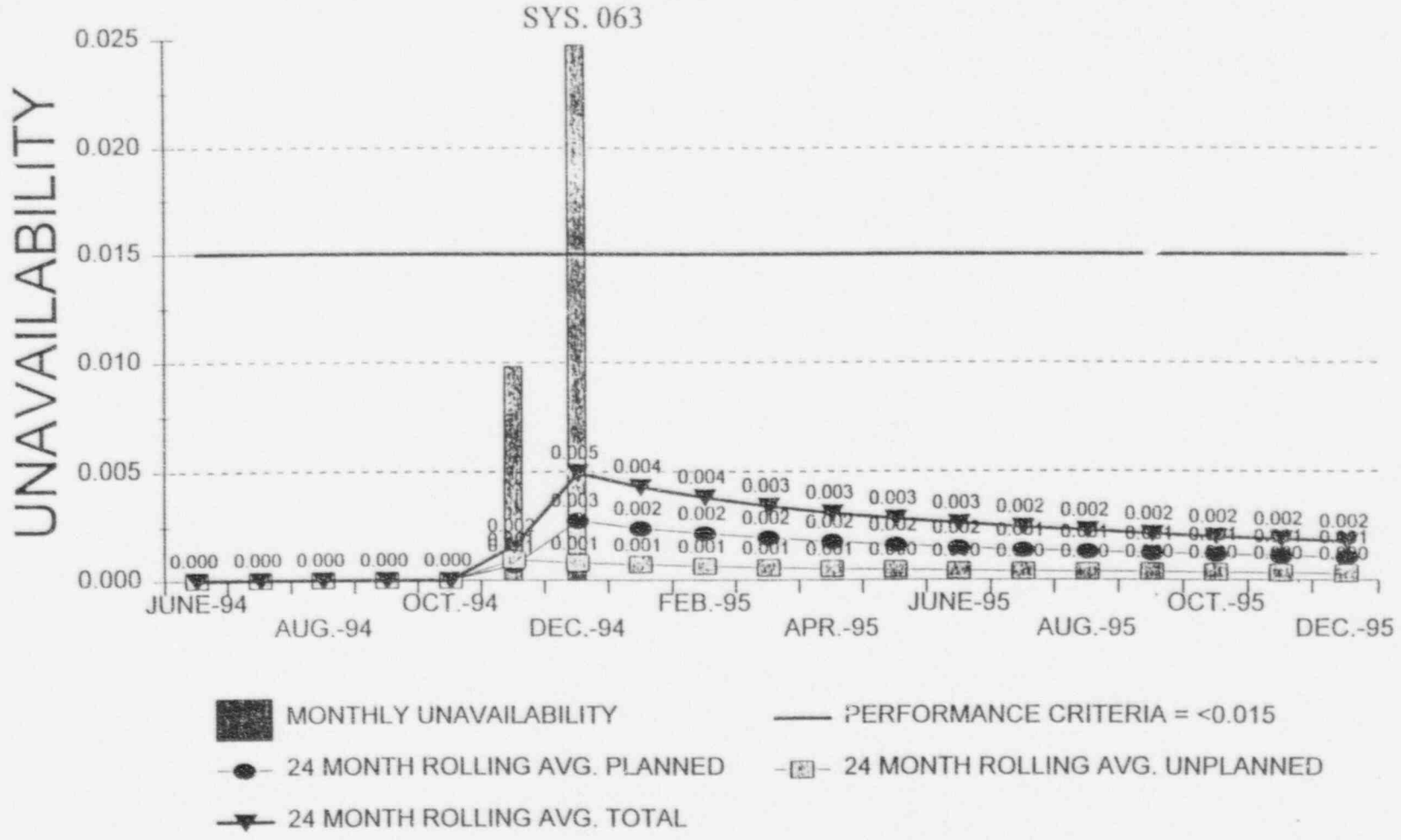
Safety System Performance (PWR)
High Pressure Safety Injection System
Three–year Distribution
(7/92 – 6/95)



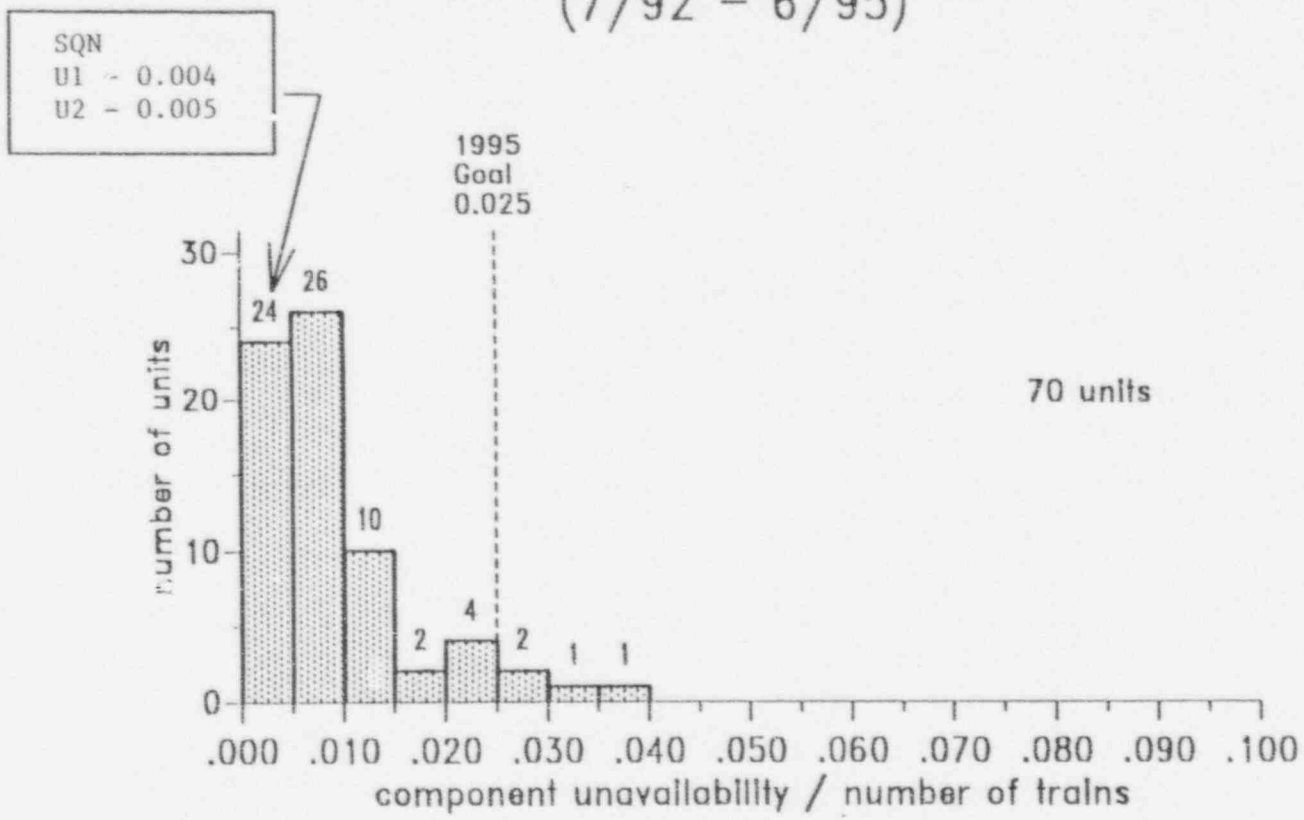
Units should strive to optimize safety system performance below the industry goal rather than minimize unavailability.

SEQUOYAH NUCLEAR PLANT

UNIT 1 ECCS RHR TRAIN B UNAVAILABILITY



Safety System Performance (PWR)
Auxiliary Feedwater System
Three-year Distribution
(7/92 - 6/95)

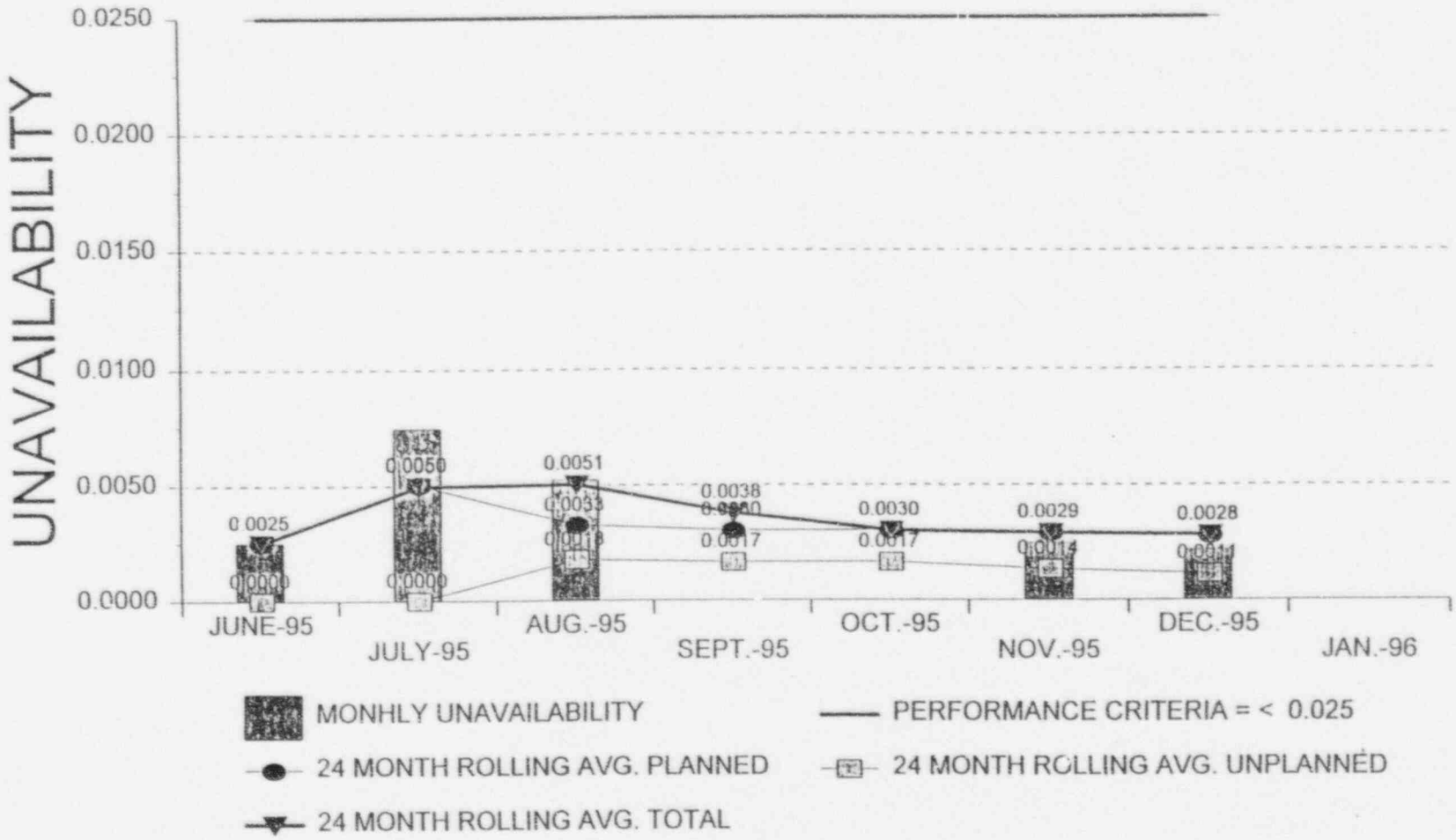


Units should strive to optimize safety system performance below the industry goal rather than minimize unavailability.

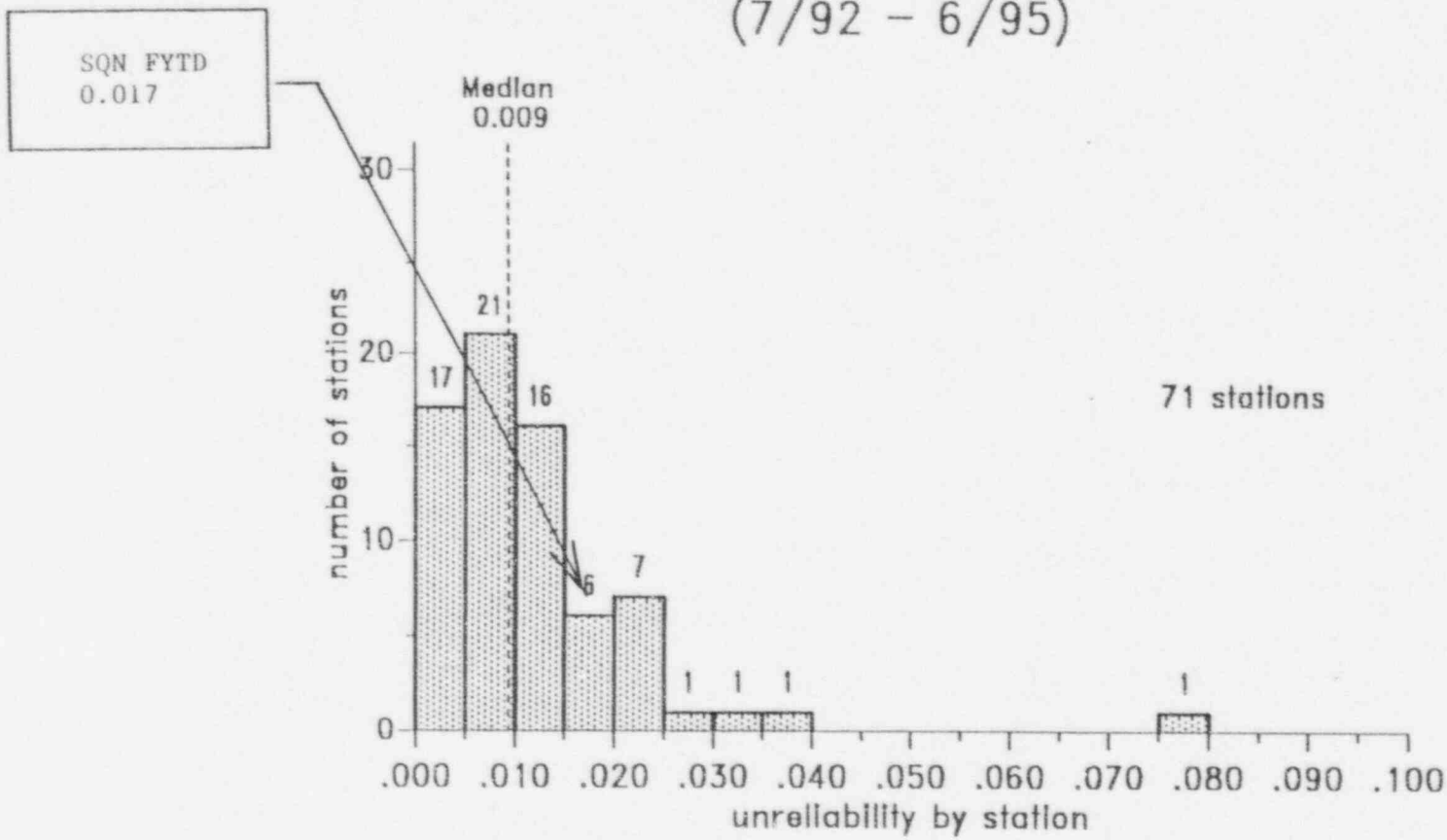
SEQUOYAH NUCLEAR PLANT

UNIT 1 MDAFW A SYSTEM UNAVAILABILITY

SYS. OO3D



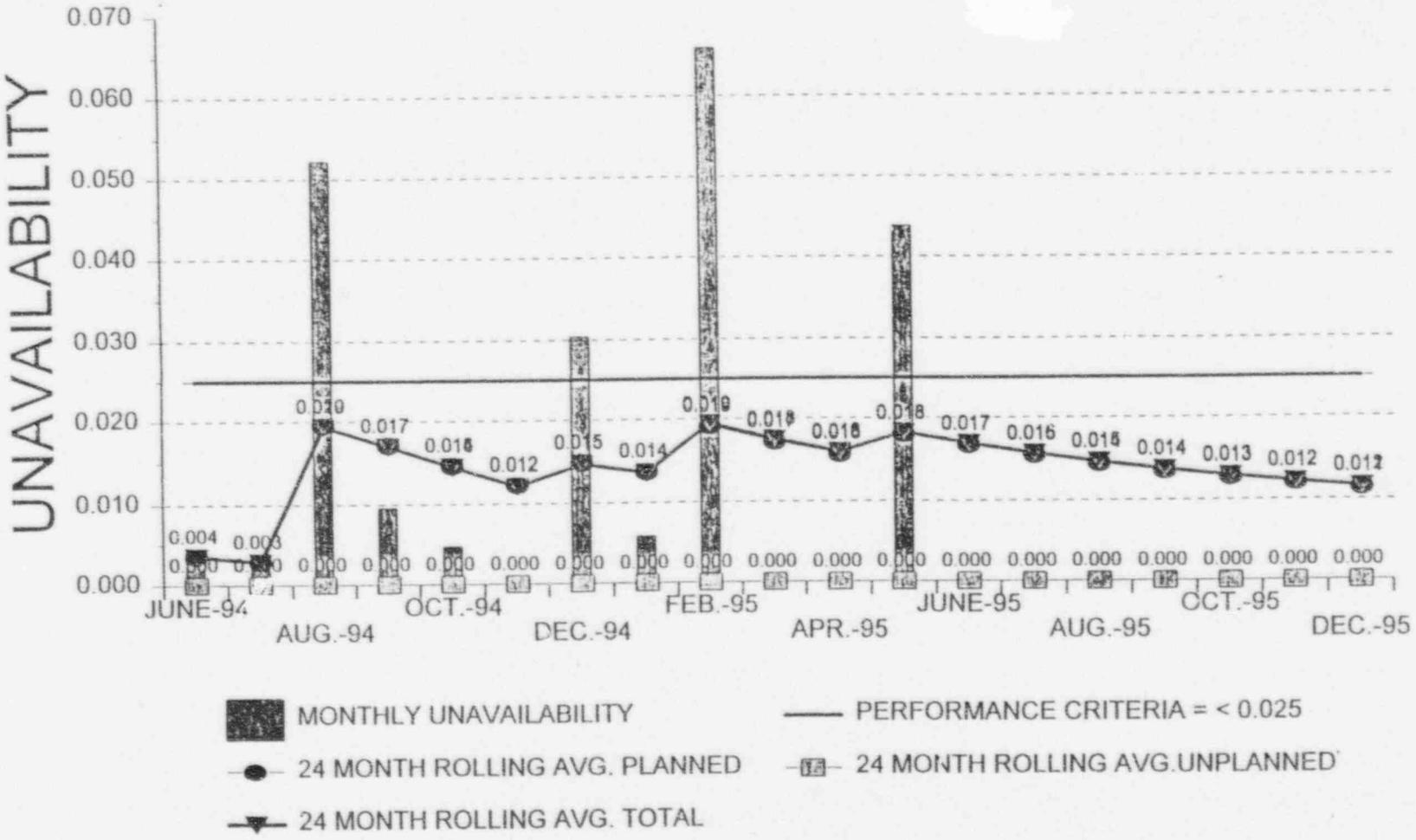
Emergency Generator Unreliability
by Station
Three-year Distribution
(7/92 - 6/95)



SEQUOYAH NUCLEAR PLANT

UNIT 1 DG1A TRAIN UNAVAILABILITY

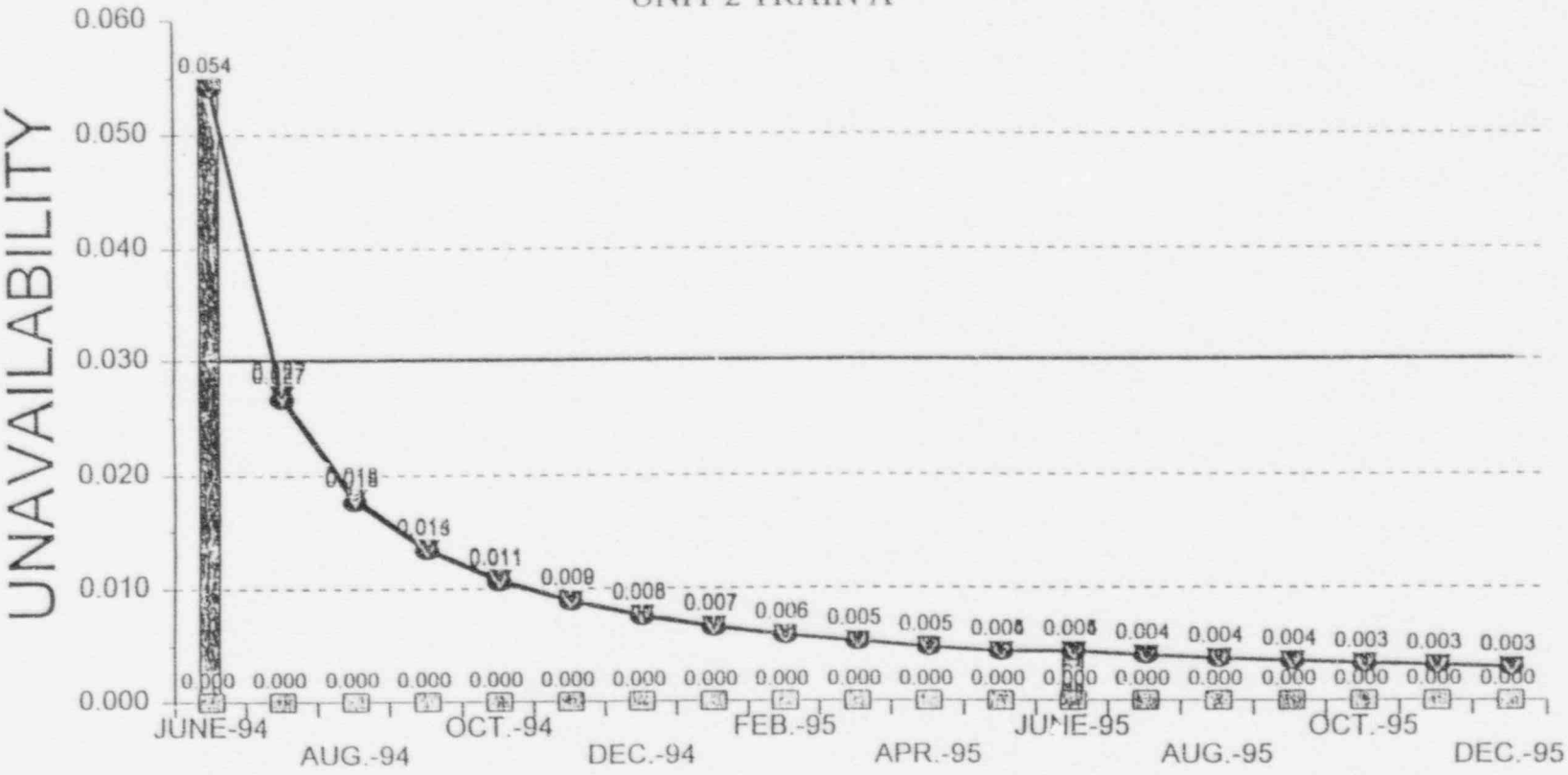
SYS. 082



SEQUOYAH NUCLEAR PLANT

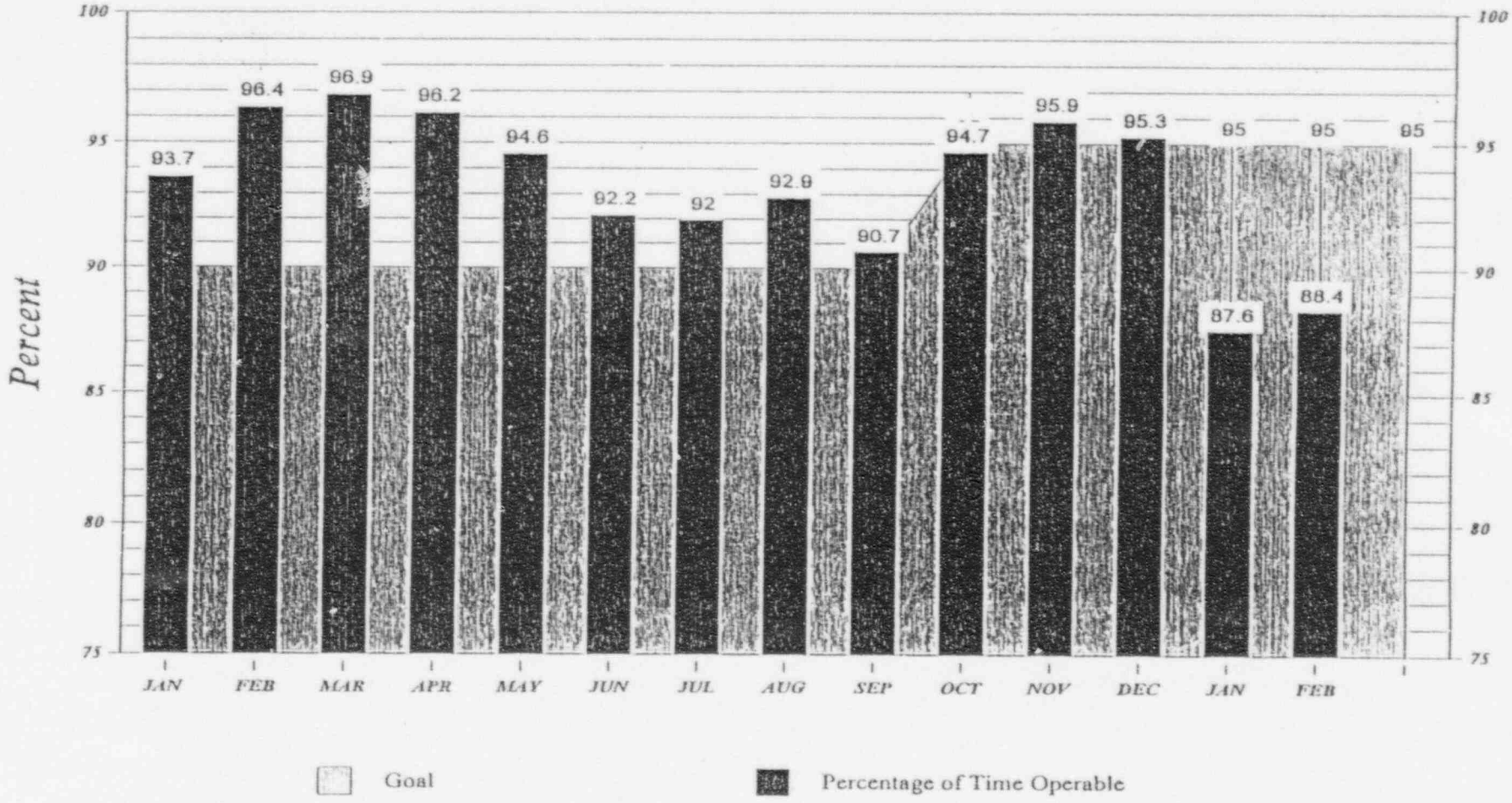
SYS 070 CCS SYSTEM UNAVAILABILITY

UNIT 2 TRAIN A



Chemistry Instrumentation Operability

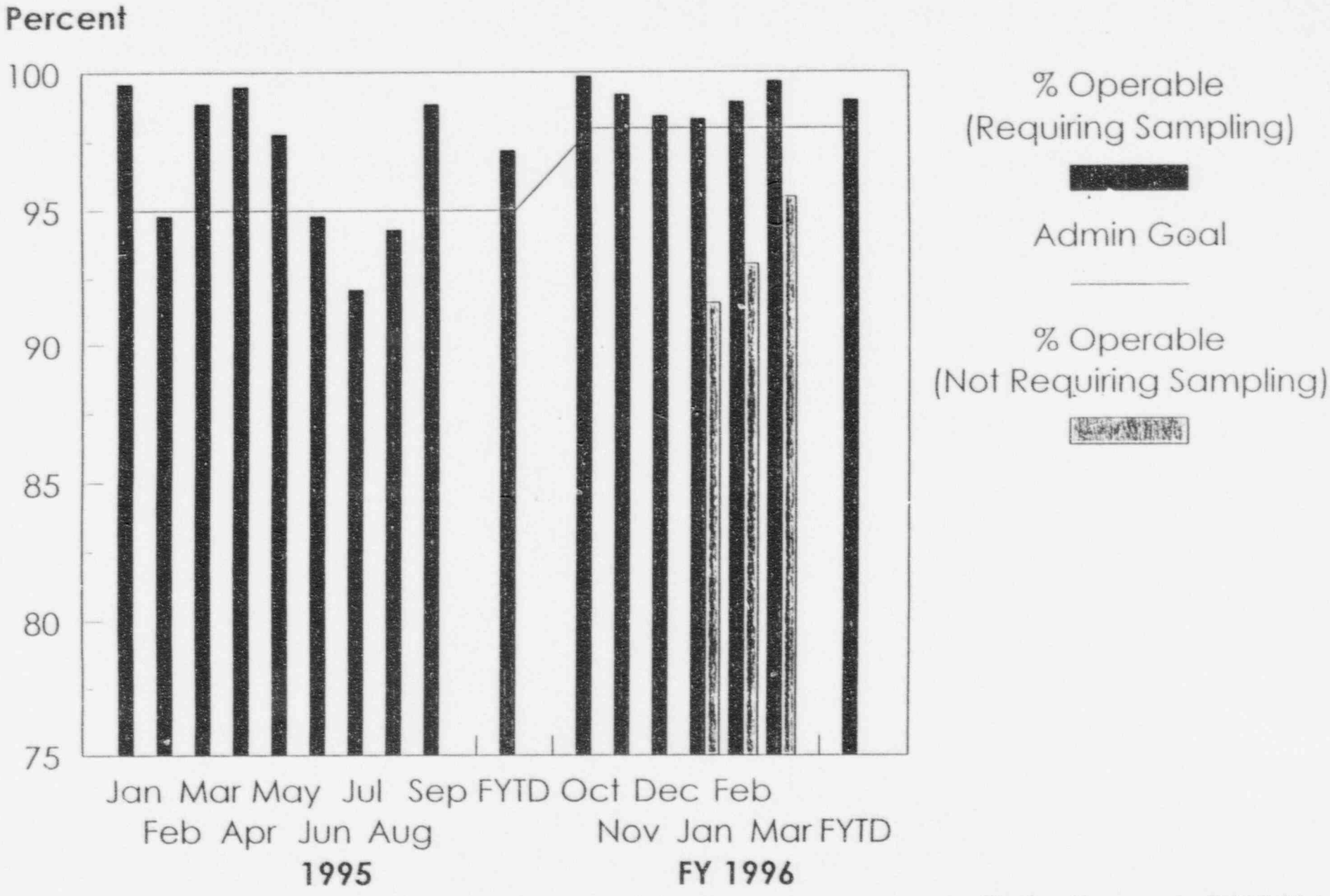
Unit 1, Unit 2, and Waste Gas Analyzers



THIS CHART DEPICTS THE **PERCENTAGE OF TIME** INSTRUMENTATION UTILIZED BY THE CHEMISTRY SECTION FOR PROCESS MONITORING WAS OPERABLE DURING THE MONTH. CURRENT DATA FROM 2\1\96 THROUGH 2\8\96.

Radiation Monitor Operability

(ODCM and 1,2-RM-90-106,112)



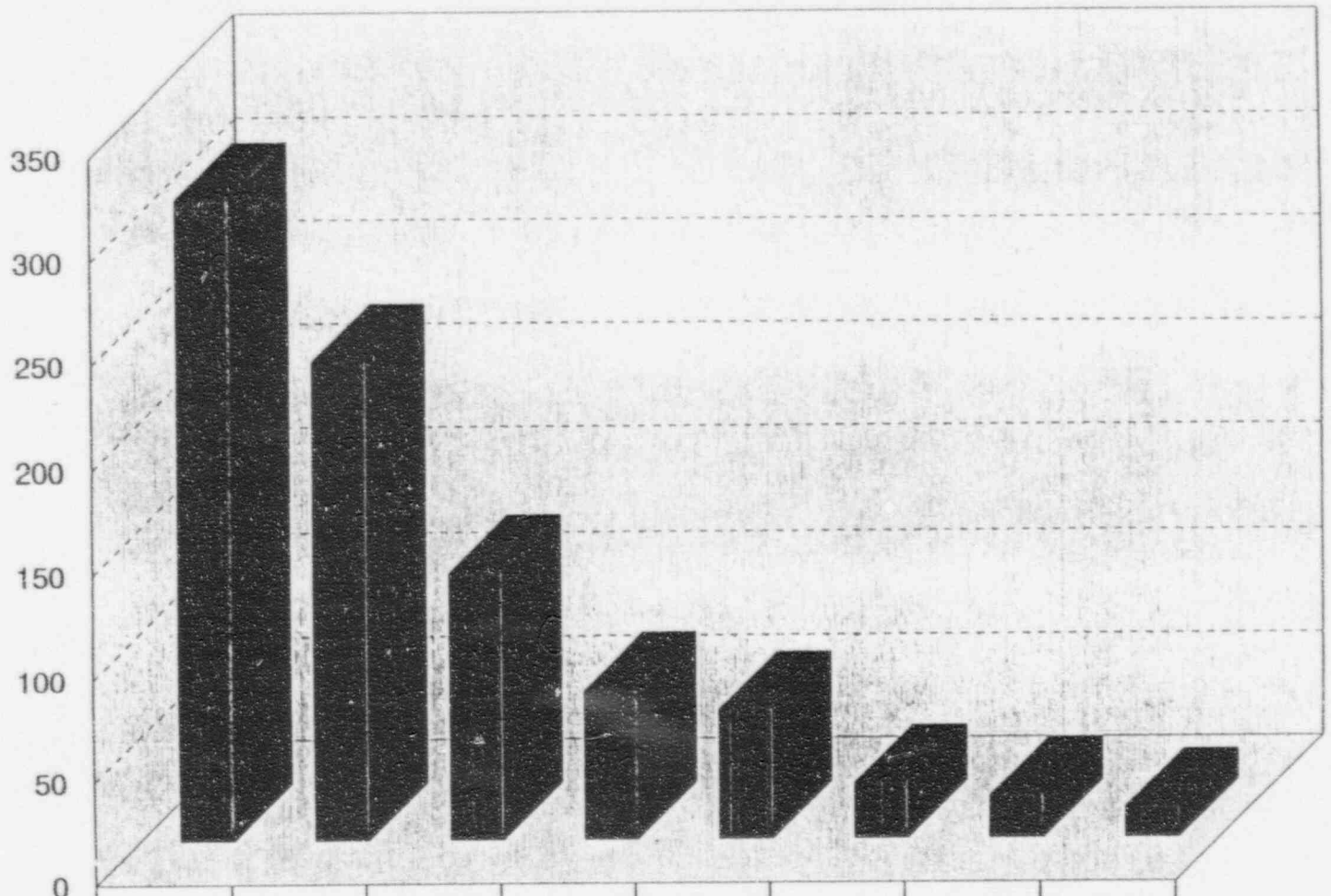
Data through 3/20/96

WORK PROCESSES

- Unit radwaste volume disposal has been reduced to 5% of the 1988 total
- Outage personnel exposure has been significantly reduced
- Non-outage corrective maintenance work orders on plant process equipment have been reduced to process level (current number of approximately 400 for two units)
- Delinquent PMs (preventive maintenance) have been eliminated
- Plant backlogs have been reduced to a non-impacting level

SEQUOYAH NUCLEAR PLANT

Unit Radwaste Volume Disposal

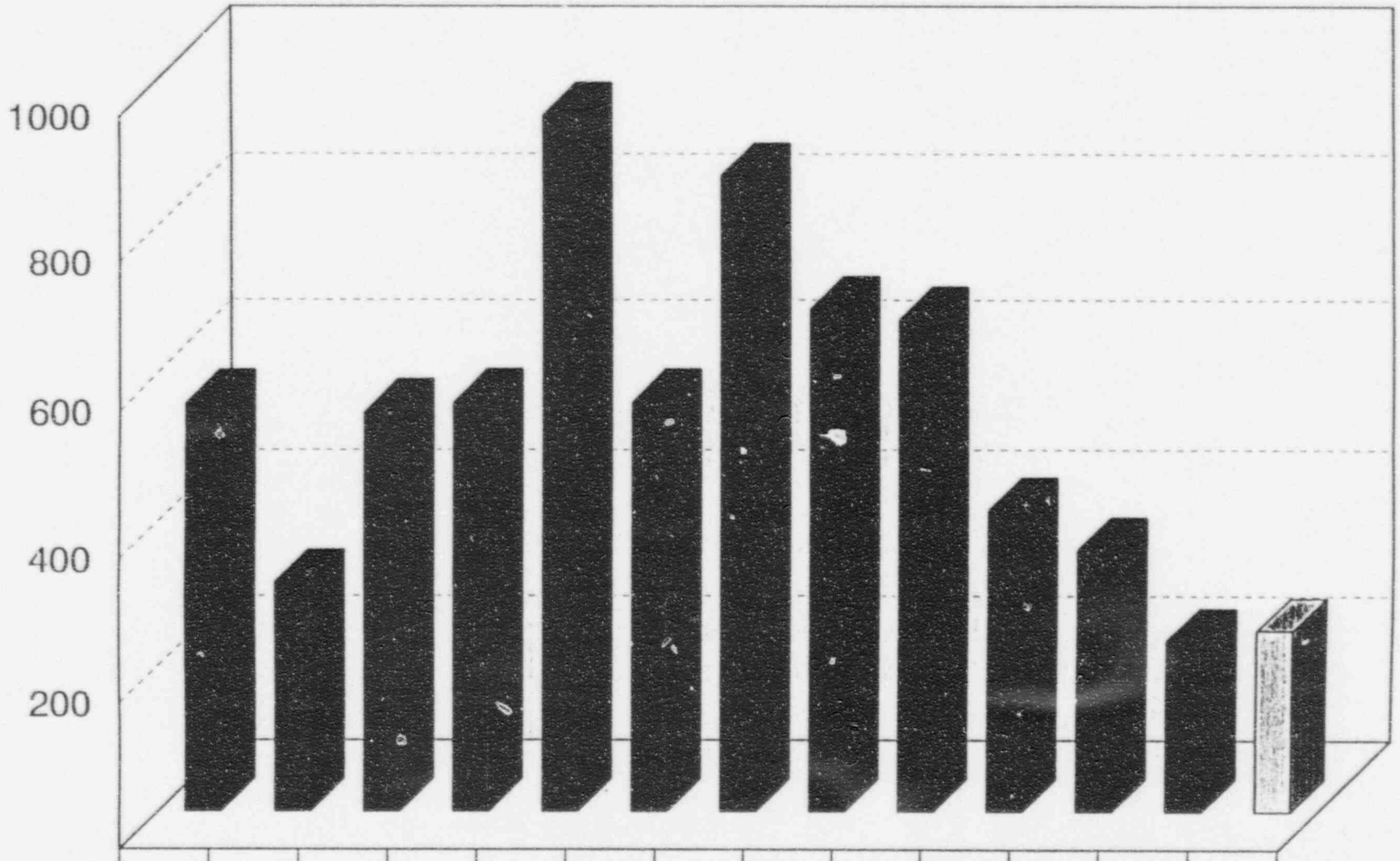


	1988	1989	1990	1991	1992	1993	1994	1995
Volume (Cu. M./unit)	308.8	230.7	129.5	72.7	63.3	27.2	20.8	15.1

Volume (Cu. M./unit)

SEQUOYAH NUCLEAR PLANT

Refueling Outage Dose



	U1C1	U2C1	U1C2	U2C2	U1C3	U2C3	U1C4	U2C4	U1C5	U2C5	U1C6	U2C6	U1C7
rem	559	317	547	560	950	560	868	685	671	415	361	235.92	250

Spring 93

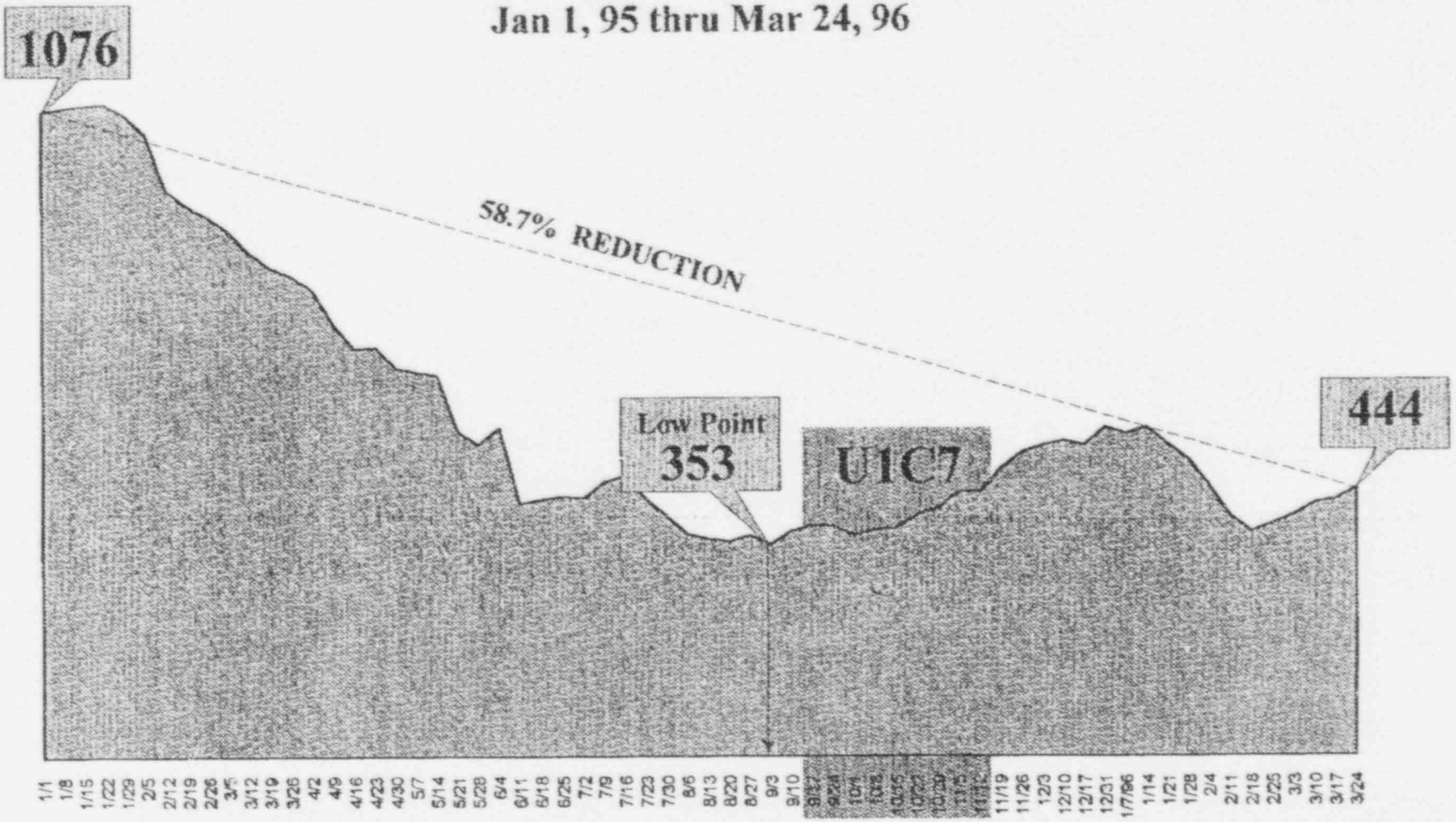
Sequoyah Nuclear Plant

Units - 1, 2, 0

Non-Outage CM WR's/WO's

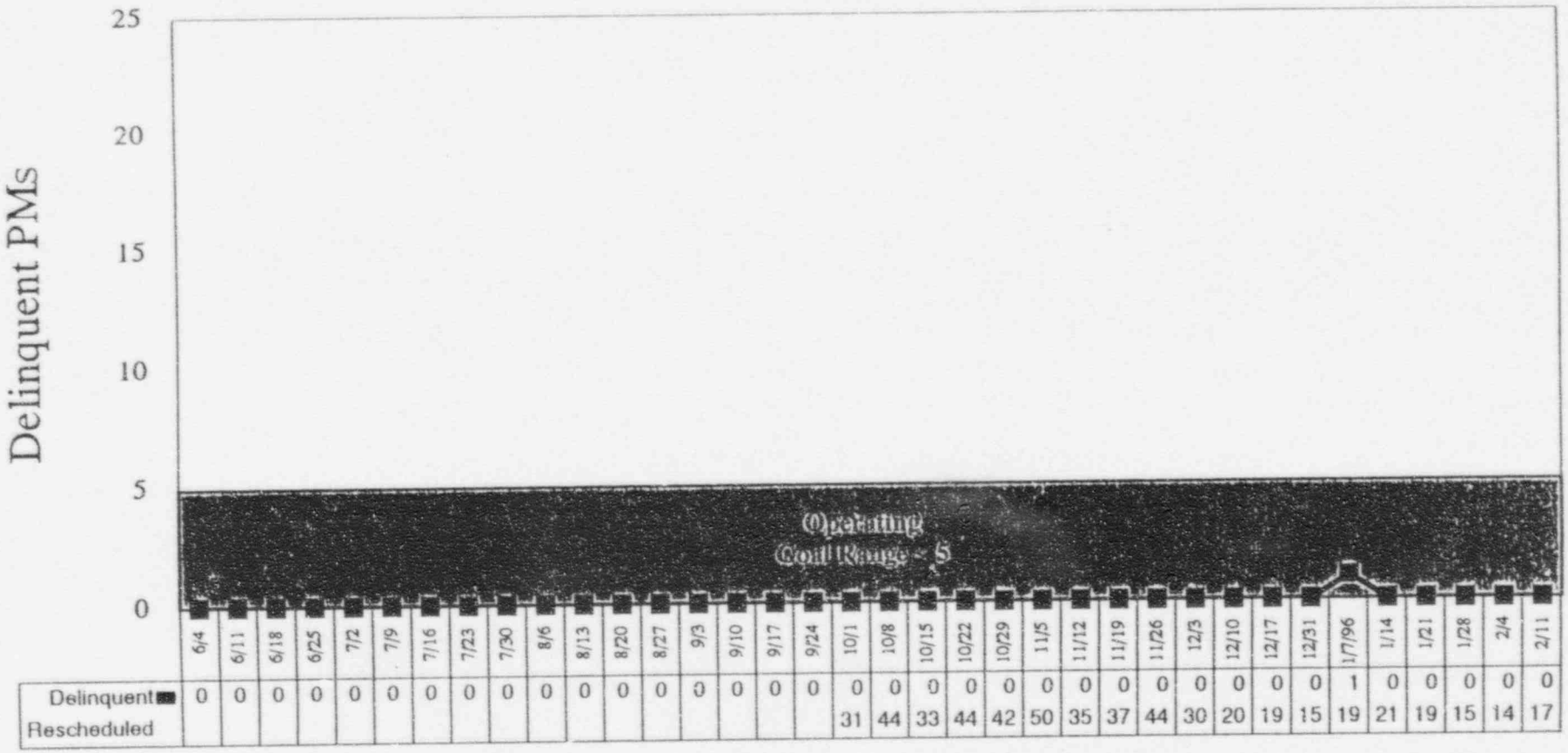
Plant Process Equipment

Jan 1, 95 thru Mar 24, 96



Units - 1, 2, 0

Delinquent Maintenance PM's



	6/4	6/11	6/18	6/25	7/2	7/9	7/16	7/23	7/30	8/6	8/13	8/20	8/27	9/3	9/10	9/17	9/24	10/1	10/8	10/15	10/22	10/29	11/5	11/12	11/19	11/26	12/3	12/10	12/17	12/31	1/7/96	1/14	1/21	1/28	2/4	2/11
Delinquent	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
Rescheduled																		31	44	33	44	42	50	35	37	44	30	20	19	15	19	21	19	15	14	17

Note: **Rescheduled** items are PM's rescheduled past their late date have received technical and operability evaluations for extension past the late date in accordance with SSP 6.3.

TVA

BACKLOGS

- Only six of original fifty backlogs from 1993 restart remain open
- Non-outage Corrective Maintenance Work Orders
  - 1200 reduced to 400
- Vendor Manual revisions
  - >2000 reduced to 0
- Drawing Deviations
  - >700 reduced to 4
- Delinquent Preventive Maintenance (PM)
  - Approximately 25/week reduced to 0
- Temporary Alterations
  - 58 reduced to 24 (Note: 11 will be cleared during U2C7)

CORRECTIVE ACTION PROGRAM

- **The corrective action process has been upgraded and is actively being used as a tool for improvement**

- **The threshold level for problem identification has been lowered**

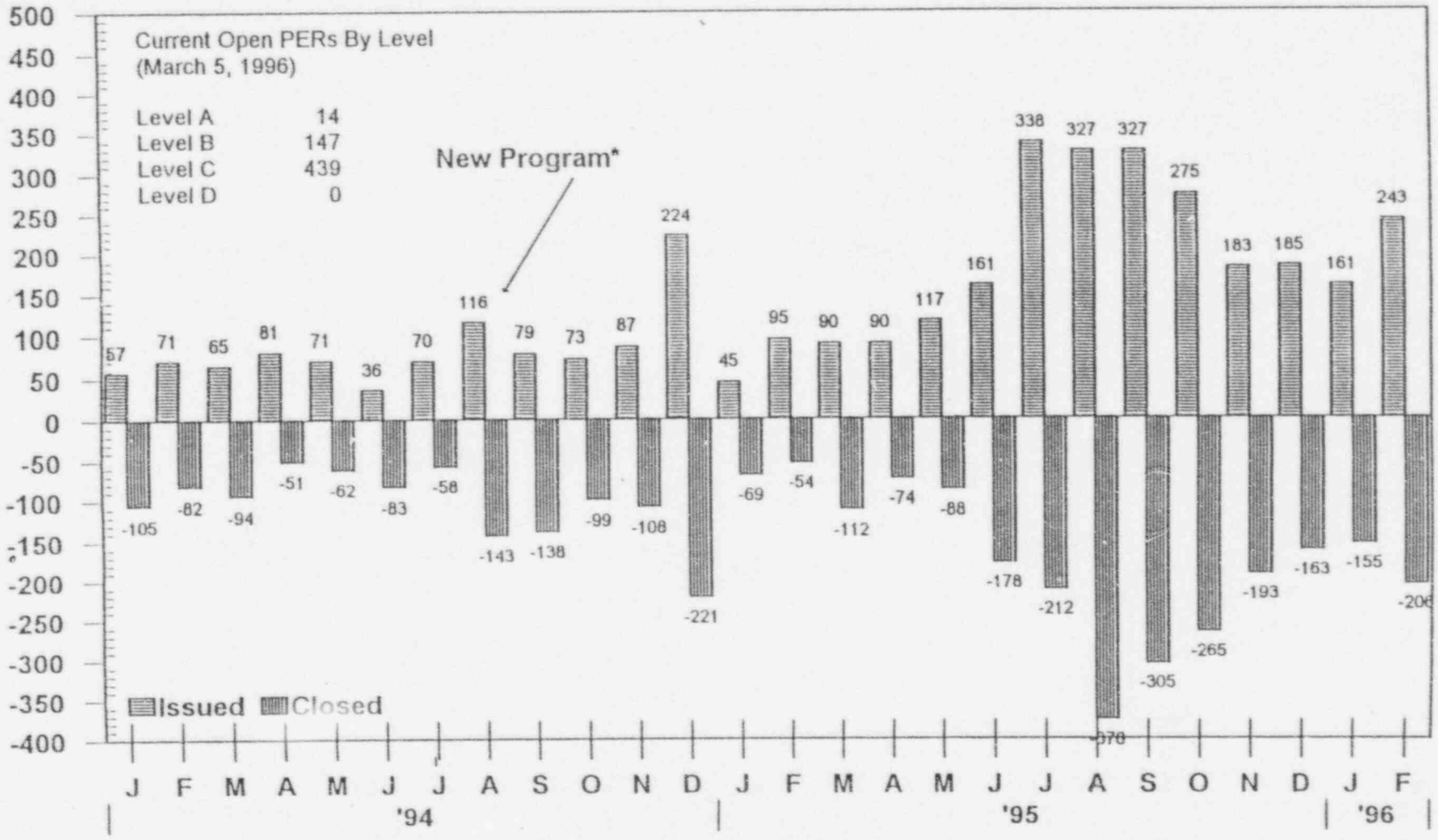
- **Cycle time and average age of corrective action documents is low and trending down (problems are being resolved)**

- **The corrective action process indicates that most problems are caused by Maintenance & Modifications (32%) and Operations (22%). Problem activities within those organizations include:**

  (1) Procedure compliance
  (2) Planning
  (3) Procedure preparation and review
  (4) Monitoring of plant conditions
  (5) Corrective maintenance

Sequoyah Nuclear Plant

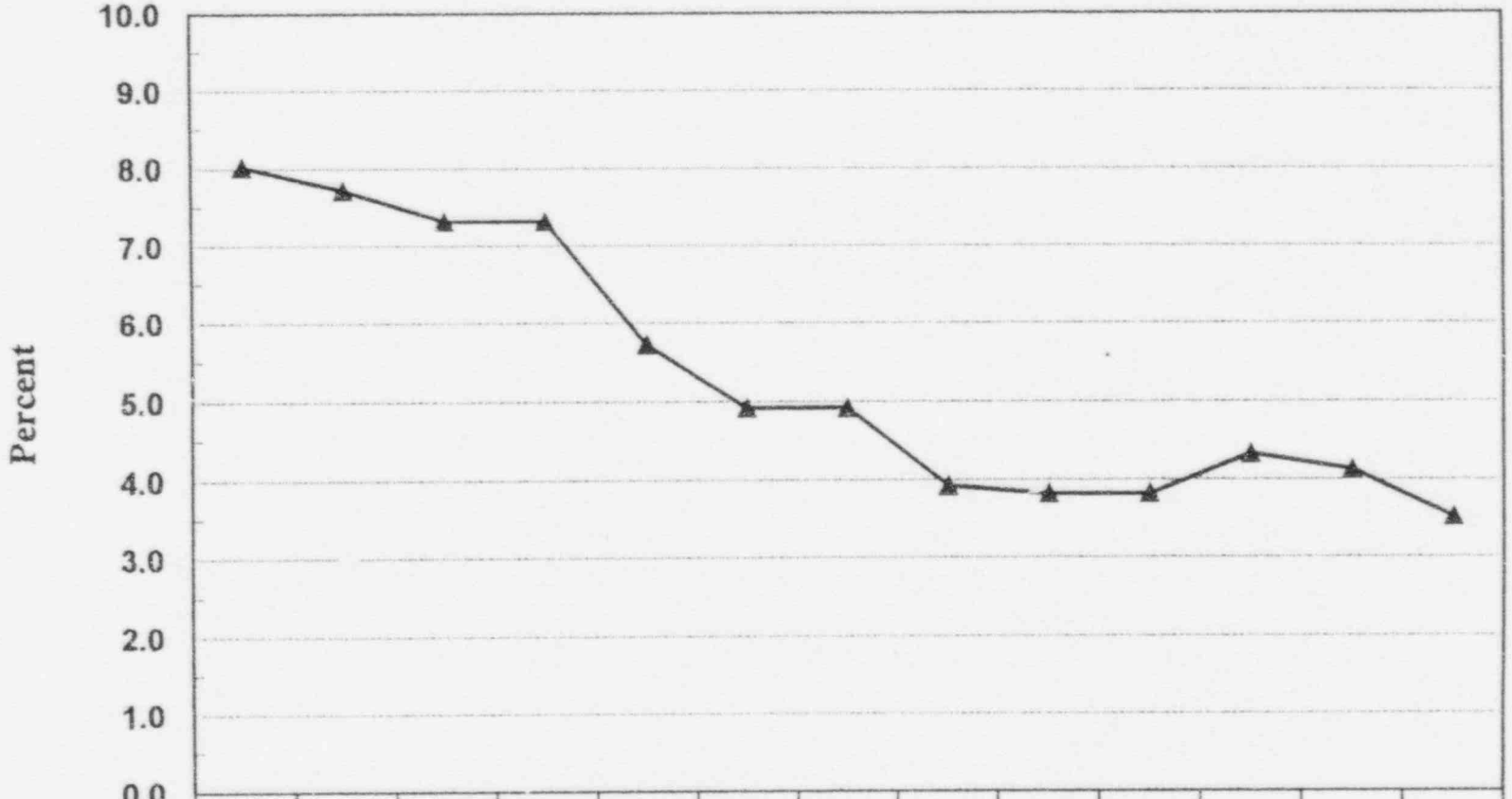
Problem Evaluation Reports - Issued/Closed (Monthly)



* Incorporated the Incident Investigation and Significant Corrective Action Report

Data: TROI as of March 5, 1996

Sequoyah Nuclear Plant
Average Age of Open PERs



	Mar 95	April 95	May 95	June 95	July 95	Aug 95	Sep 95	Oct 95	Nov 95	Dec 95	Jan 96	Feb 96	Mar 96
Average Age	8.0	7.7	7.3	7.3	5.7	4.9	4.9	3.9	3.8	3.8	4.3	4.1	3.5