

October 24, 1995

Georgia Power Company  
ATTN: Mr. C. K. McCoy  
Vice President  
Vogtle Electric Generating Plant  
P. O. Box 1295  
Birmingham, AL 35201

SUBJECT: MEETING SUMMARY - VOGTLE NUCLEAR PLANT

Gentlemen:

This refers to the meeting that was conducted at your request at the NRC Region II Office in Atlanta, Georgia, on October 19, 1995, to discuss your assessment of Plant performance.

It is our opinion that this meeting was beneficial. It provided an opportunity for you to convey your perception of the strengths exhibited by, and challenges facing your facility in the areas of Operations, Maintenance, Engineering, and Plant Support. It also kept us informed of your continued efforts to improve human performance at the Vogtle Nuclear Plant.

In accordance with Section 2.790(a) 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 matter, please contact us.

Sincerely,  
~~Original signed by~~  
Ellis W. Merschoff

Ellis W. Merschoff, Director  
Division of Reactor Projects

Docket Nos. 50-424, 50-425  
License Nos. NPF-68, NPF-81

Enclosures:

1. List of Attendees
2. Licensee Presentation Handouts

cc w/encls: (See page 2)

9511140373 951024  
PDR ADOCK 05000424  
P PDR

IE01

cc w/encls:

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Senior Vice President  
Georgia Power Company  
Nuclear Operations  
P. O. Box 1295  
Birmingham, AL 35201

J. B. Beasley  
General Manager, Plant Vogtle  
Georgia Power Company  
P. O. Box 1600  
Waynesboro, GA 30830

J. A. Bailey  
Manager-Licensing  
Georgia Power Company  
P. O. Box 1295  
Birmingham, AL 35201

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Utility Council  
84 Peachtree Street, NW, Suite 201  
Atlanta, GA 30303-2318

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Room 615B  
270 Washington Street, SW  
Atlanta, GA 30334

Office of the County Commissioner  
Burke County Commission  
Waynesboro, GA 30830

Harold Reheis, Director  
Department of Natural Resources  
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Radioactive Materials Program  
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Atlanta, GA 30354  
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 Paul, Hastings, Janofsky & Walker  
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 R. Wright, RII  
 G. Hallstrom, RII  
 D. Wheeler, NRR  
 D. Hood, NRR  
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NRC Senior Resident Inspector  
 U.S. Nuclear Regulatory Commission  
 8805 River Road  
 Waynesboro, GA 30830

SEND TO PUBLIC DOCUMENT ROOM?		YES		NO	
OFFICE	RII:DRP	RII:DRP	RII:DRP		
SIGNATURE	<i>R. Wright</i>	<i>[Signature]</i>	<del>EW Merchoff</del>		
NAME	RWright:dks	PHSkinner	<del>EWMerchoff</del>		
DATE	10 / 23 / 95	10 / 23 / 95	10 / 24 / 95	10 / / 95	10 / / 95
COPY?	<input checked="" type="checkbox"/> YES NO	<input checked="" type="checkbox"/> YES NO	<input checked="" type="checkbox"/> YES NO	YES NO	YES NO

OFFICIAL RECORD COPY

DOCUMENT NAME: P:\MLDJA\DL\VOSA1095.SUM

## LIST OF ATTENDEES

### Nuclear Regulatory Commission Attendees:

S. Ebnetter, Regional Administrator, Region II (RII)  
E. Merschoff, Director, Division of Reactor Projects (DRP), RII  
A. Gibson, Director, Division of Reactor Safety (DRS), RII  
P. Skinner, Chief, Branch 2, DRP, RII  
H. Christensen, Chief, Maintenance Branch, DRS, RII  
W. Rankin, Sr. Project Manager, Plant Support Branch, DRS, RII  
M. Ernstes, Inspector, Operator Licensing & Human Performance Branch, DRS,  
RII  
R. [unclear], Project Engineer, Branch 2, DRP, RII  
H. Bekow, Director, Project Directorate II-2 (PDII-2), Office of Nuclear  
Reactor Regulation (NRR)  
D. Wheeler, Project Manager, PDII-2, NRR

### Georgia Power Company (GPC) Attendees:

J. Beasley, General Manager, Vogtle Nuclear Plant  
W. Burmeister, Manager Engineering Support, Vogtle  
M. Sheibani, Nuclear Safety and Compliance Supervisor, Vogtle  
J. Bailey, Manager Licensing, SNC, Birmingham, Al.

**GEORGIA POWER**



**VOGTLE ELECTRIC GENERATING PLANT**

**PLANT PERFORMANCE UPDATE**

**OCTOBER 19, 1995**

- **Oversight And Involvement By Management In Plant Operations At All Levels.**

1. Daily management status and planning meetings closely focus on operational impact of testing and maintenance.
2. Operations superintendent's and supervision are integrally involved in the day to day planning and prioritization of preventive and corrective maintenance.
3. A conservative and safety oriented operating philosophy is communicated to plant personnel.
4. These efforts have resulted in low numbers of control room lit annunciators, temporary modifications and non-outage corrective work orders.

- **Strong Commitment To Conservative Decision Making And Development Of Skilled Operators.**

1. General Manager and Operations Manager periodically teach a license requalification session that emphasizes conservative decision making.
2. Management involvement (assistant general managers and most department managers) as SRO licensed participants ensures issues important to the plant are being conveyed during training sessions.
3. Continuous feedback from operators to the Training Department enables improvements to be made in procedures and helps prevent potential problems from occurring in the plant.
4. The annual pass rate for the personnel in the Licensed Operator Requalification Program has averaged approximately 96 % for the past two years.

- **Management Involvement In And Support For The Maintenance Area Is Ongoing.**

1. A strong Preventive Maintenance program has been a great contribution in maintaining a low corrective work order backlog.
2. Maintenance technicians are highly skilled and are encouraged to take "ownership" of the plant.
3. Housekeeping and materiel condition remain excellent and personnel safety is a number one priority.

- **Management's Direct Involvement During Refueling Outages, As Well As Strong Station Team Work, Have Contributed To Increased Awareness By The Plant Staff During Periods Of Increased Risk.**

1. Contingency plans are emphasized daily with associated walkdowns being routinely conducted during outages.
2. Emphasis on conservative decision making is stressed. An example is the extension of an outage by one day to avoid a fueled mid-loop.



- **Aggressive Goals In The Engineering Support Area Have Resulted In Timely Engineering Assistance To Operations And Maintenance.**

1. Equipment out of service issues including control room deficiencies, continuously lit annunciators and operator work around as identified on the daily management report are expeditiously resolved.
2. Maintenance Work Orders requiring Engineering resolution of equipment problems receive immediate attention.
3. No Temporary Modifications are older than one fuel cycle.
4. Requests for Engineering Review are dispositioned in an average of 20 days.
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- **Several Plant Modifications Were Successfully Implemented To Increase The Reliability Of Safety Related Equipment.**

1. Plant Proteus and Emergency Response Facility computers were replaced with a state of the art integrated plant computer.
2. Digital radiation monitoring system circuits were modified to significantly reduce ESFAS actuations due to hardware malfunctions.
3. An additional offsite power supply was provided to Unit 1 and Unit 2 safety related switchgear to increase plant reliability and safety.
4. Existing D/G speed controller and governor were replaced with a model capable of supporting "slow starts" to improve long term reliability of the diesel generators.



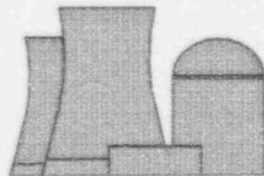
- **In The Radiological Control Area, A Well Managed ALARA Program Has Been Effective In Reducing The Collective Dose.**
  1. The use of a centralized control point during outages has been especially effective.
  2. ALARA initiatives include pre-outage ISI inspections and ALARA involvement in all stages of design change packages.
  3. Visits to other plants have resulted in new initiatives for further radwaste reduction.
  
- **The Security Program Continues To Be Effective.**
  1. A new security computer has resulted in more reliable equipment and fewer compensatory post.
  2. There has been a 47 % reduction in the number of personnel errors that resulted in loggable events from the previous SALP period.
  
- **Training And Emergency Preparedness Maintains An Experienced Staff.**
  1. Emergency Preparedness (EP) drills are routinely conducted to ensure personnel are trained and knowledgeable.
  2. The EP staff has been working together as a team for over 8 years and attends numerous industry type meeting to stay current with EP issues.
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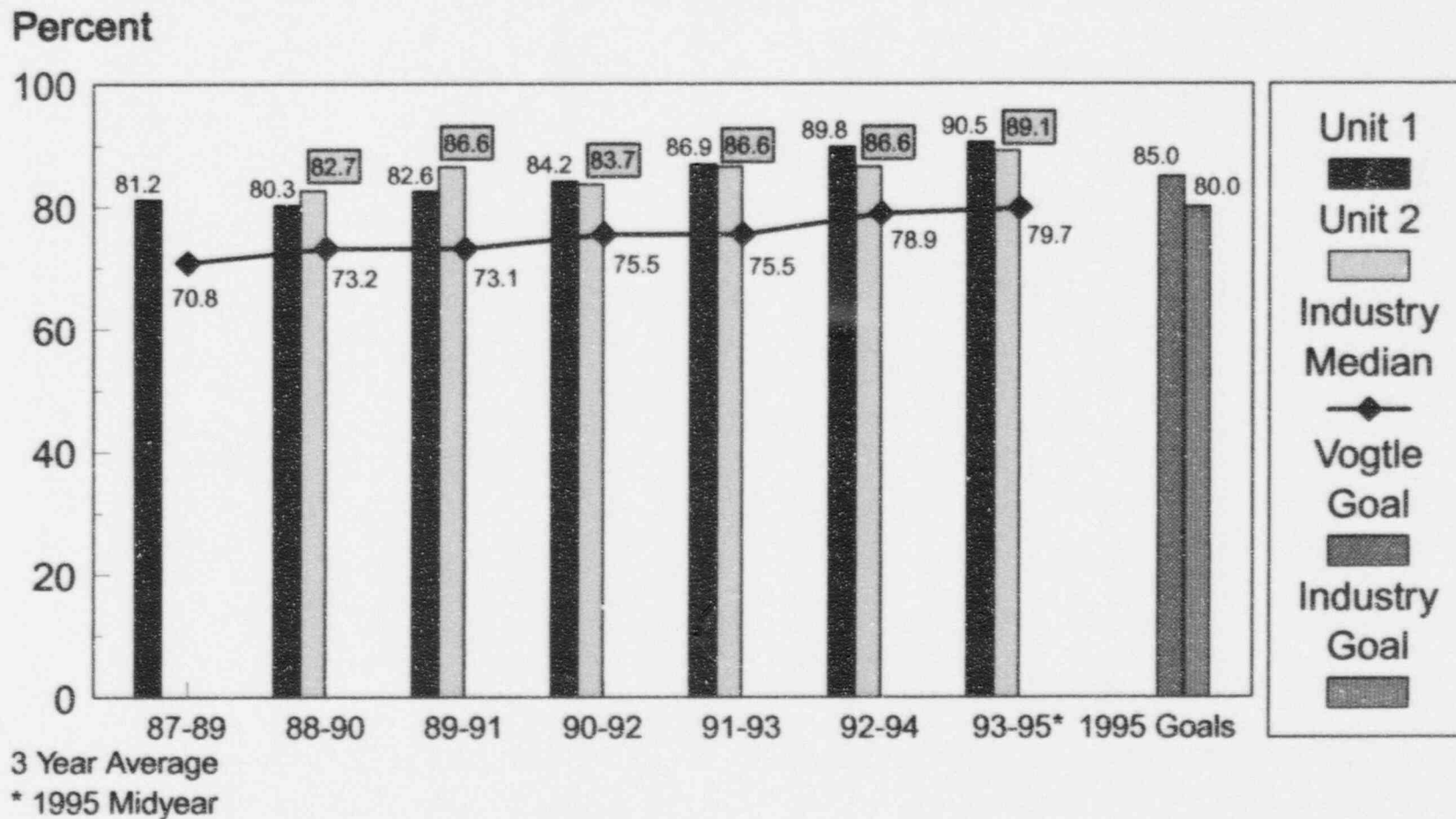
# Vogtle Electric Generating Plant

October 19, 1995

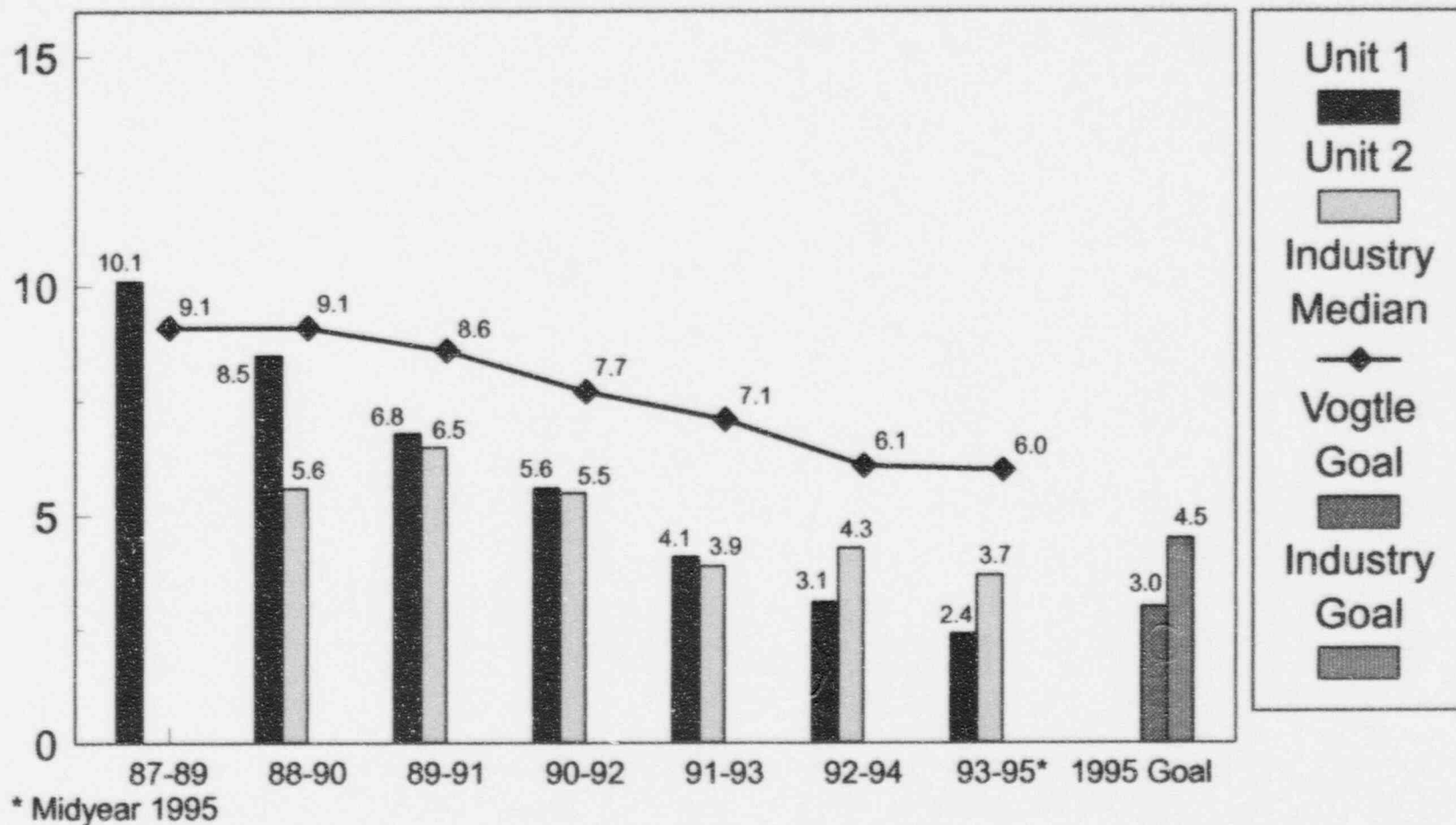
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# Unit Capability Factor

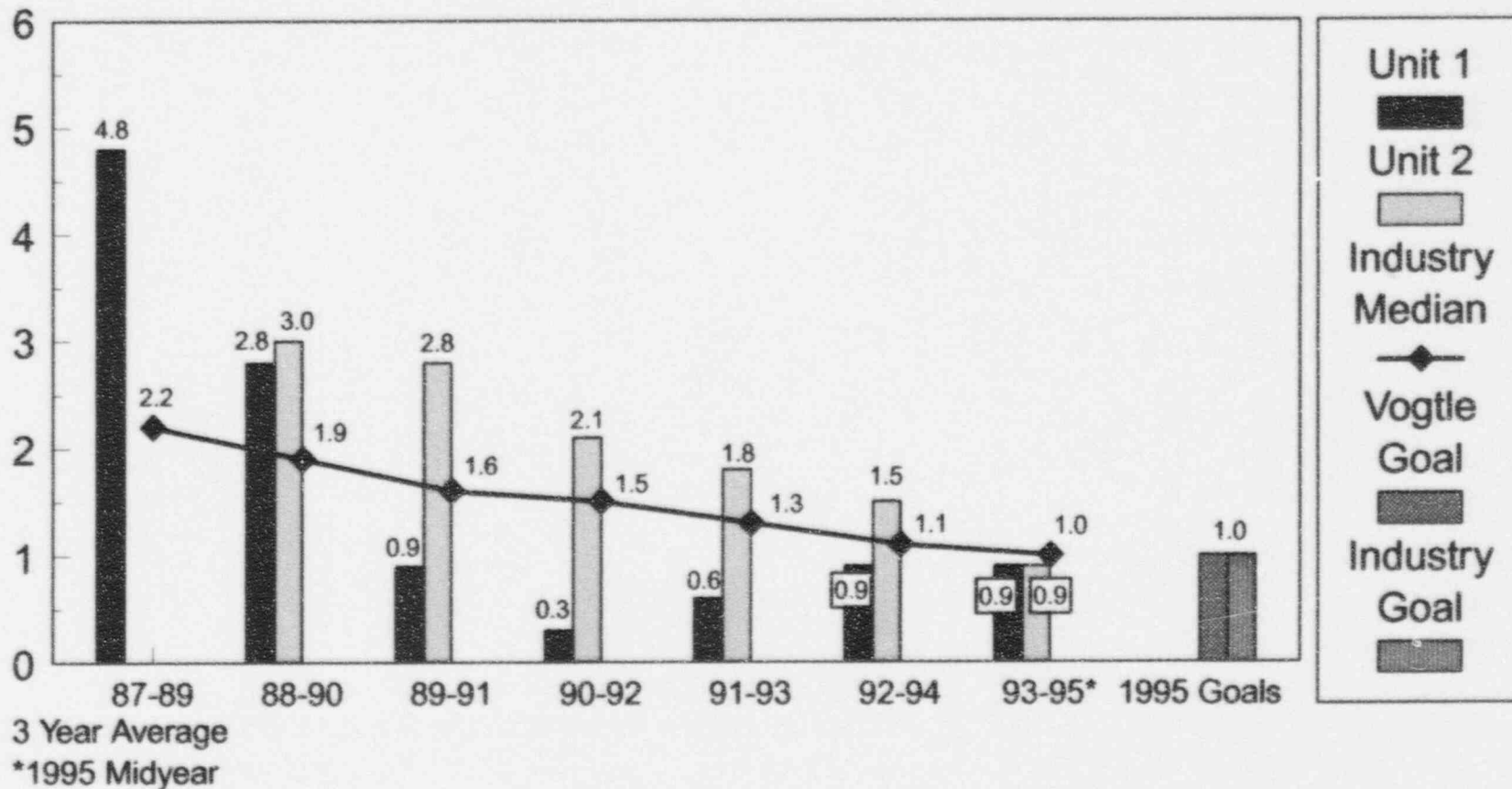


# Unplanned Capability Loss Factor

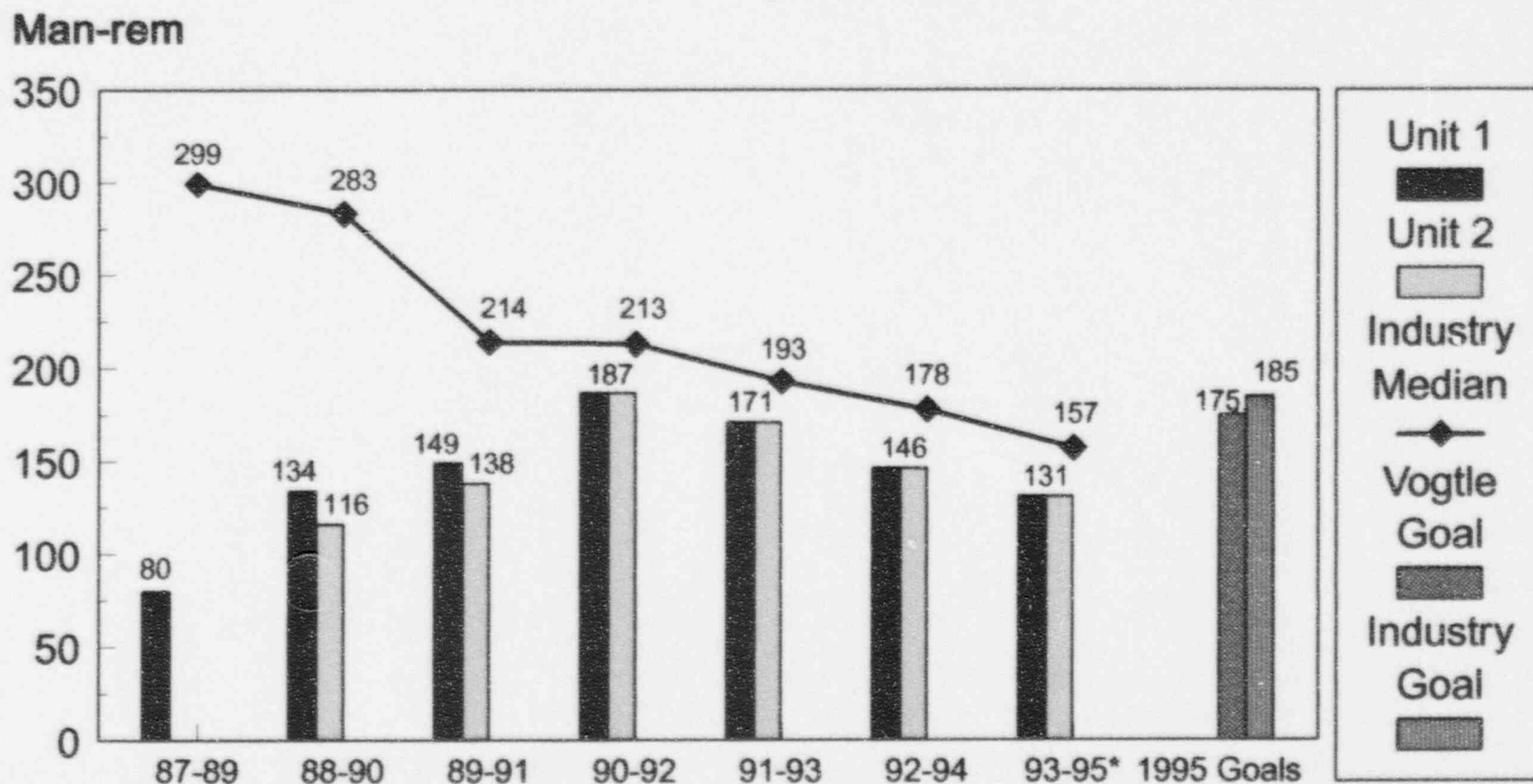


# Unplanned Automatic Scrams

Scrams per 7000 Hours Critical



# Collective Radiation Exposure

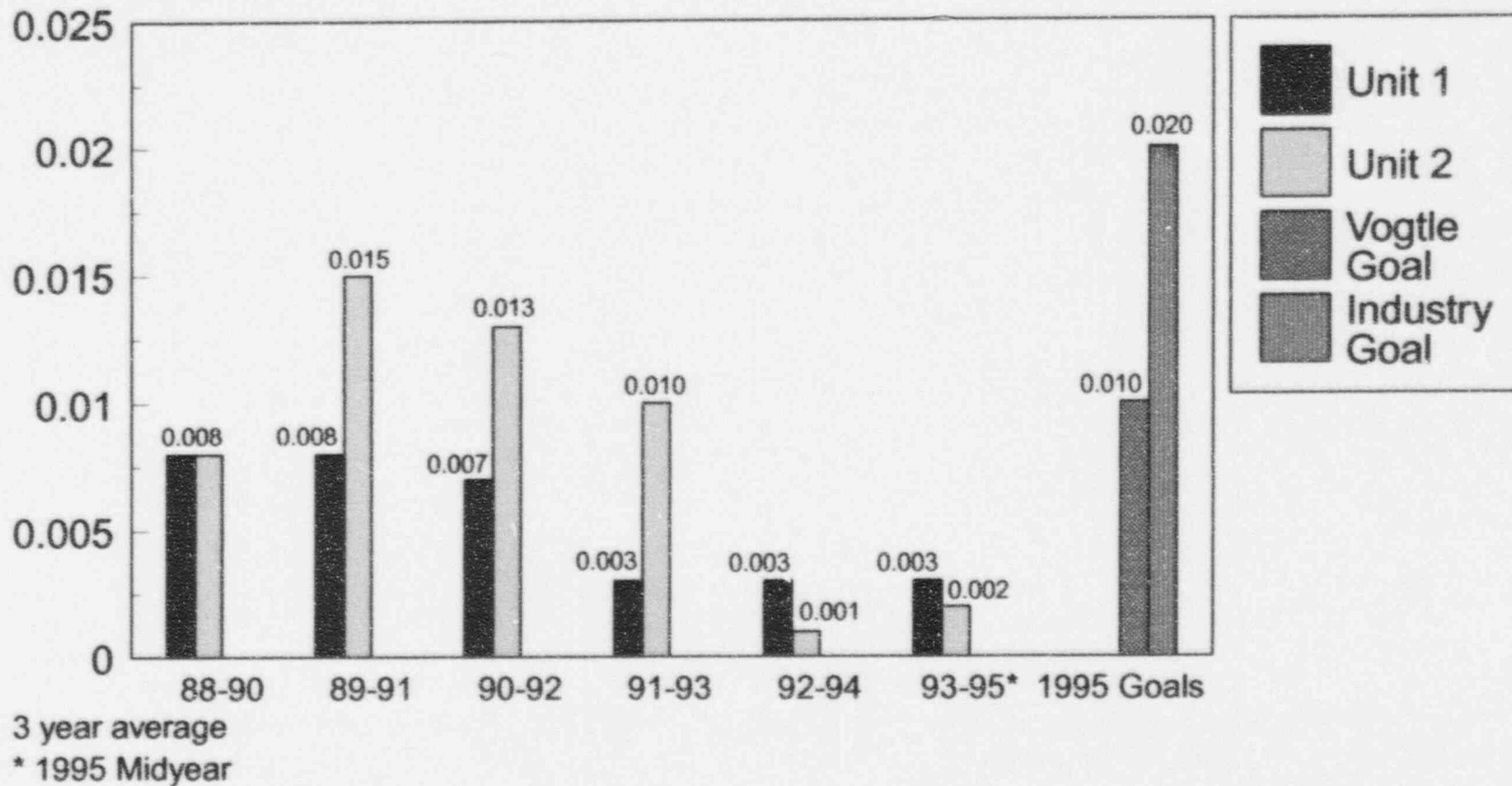


Man-rem per unit per year, 3 year average

\* 1995 Midyear

# SSPI-High Pressure Safety Injection

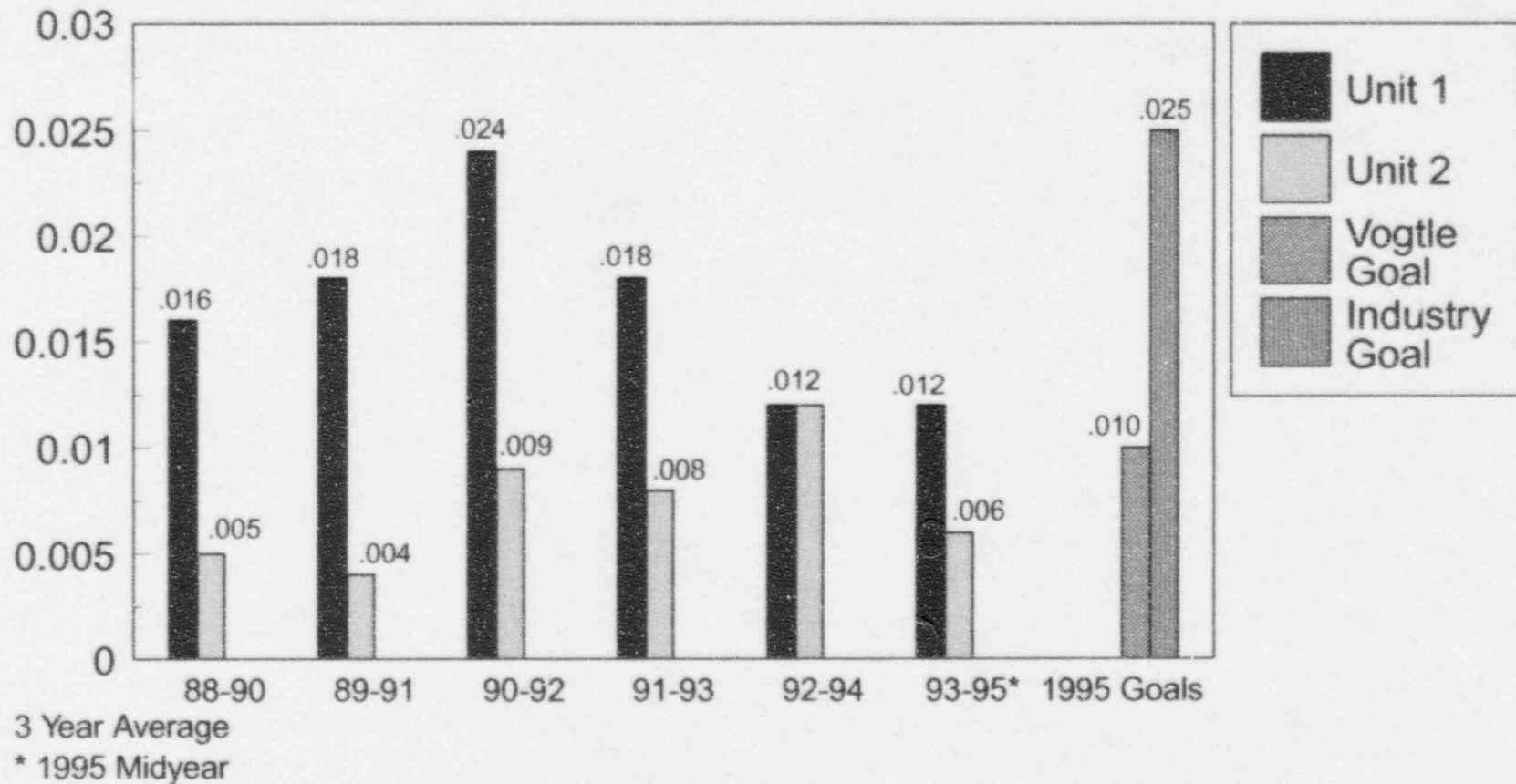
Unavailability Factor





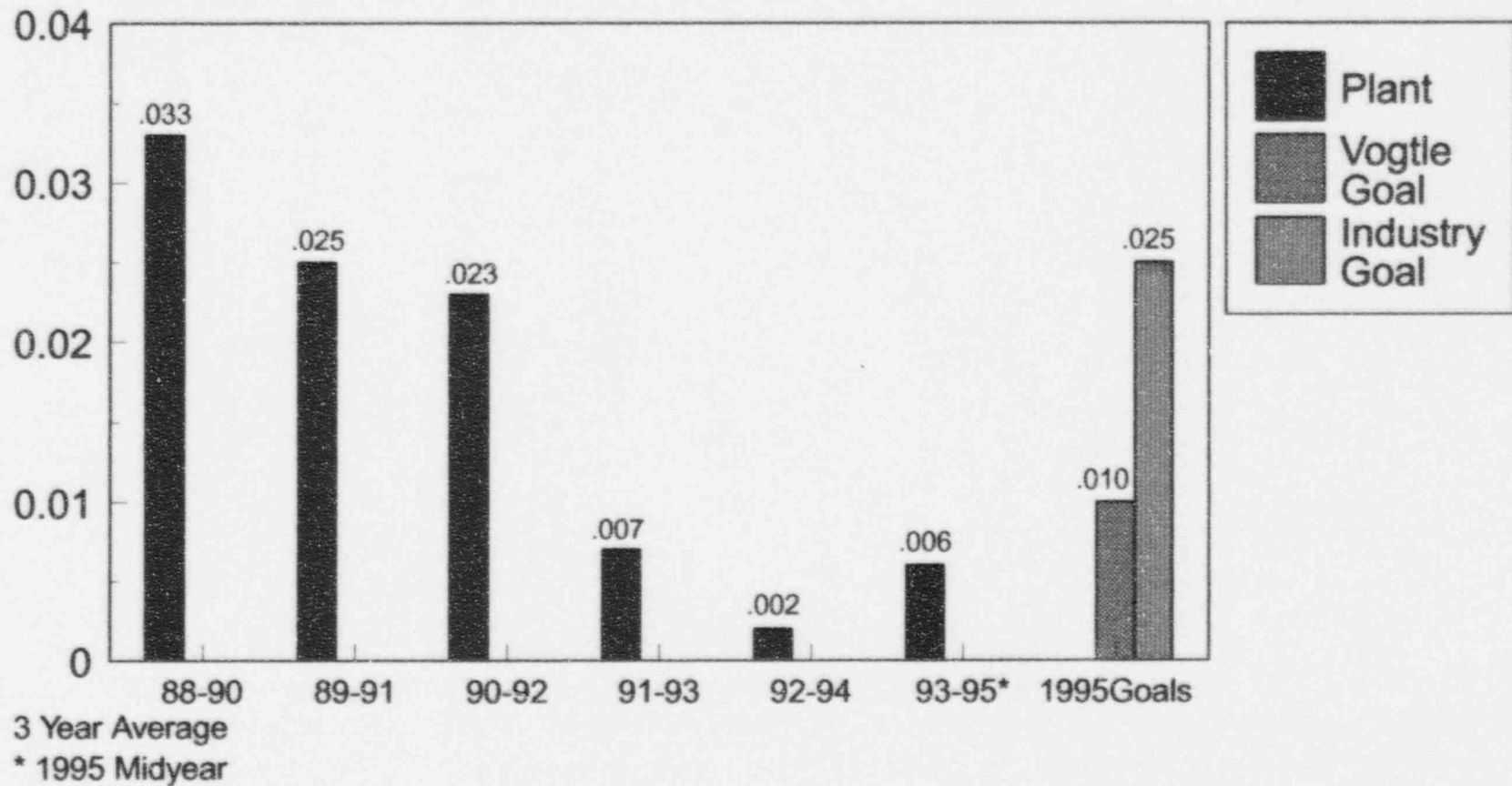
# SSPI-Auxiliary Feedwater System

Unit Unavailability

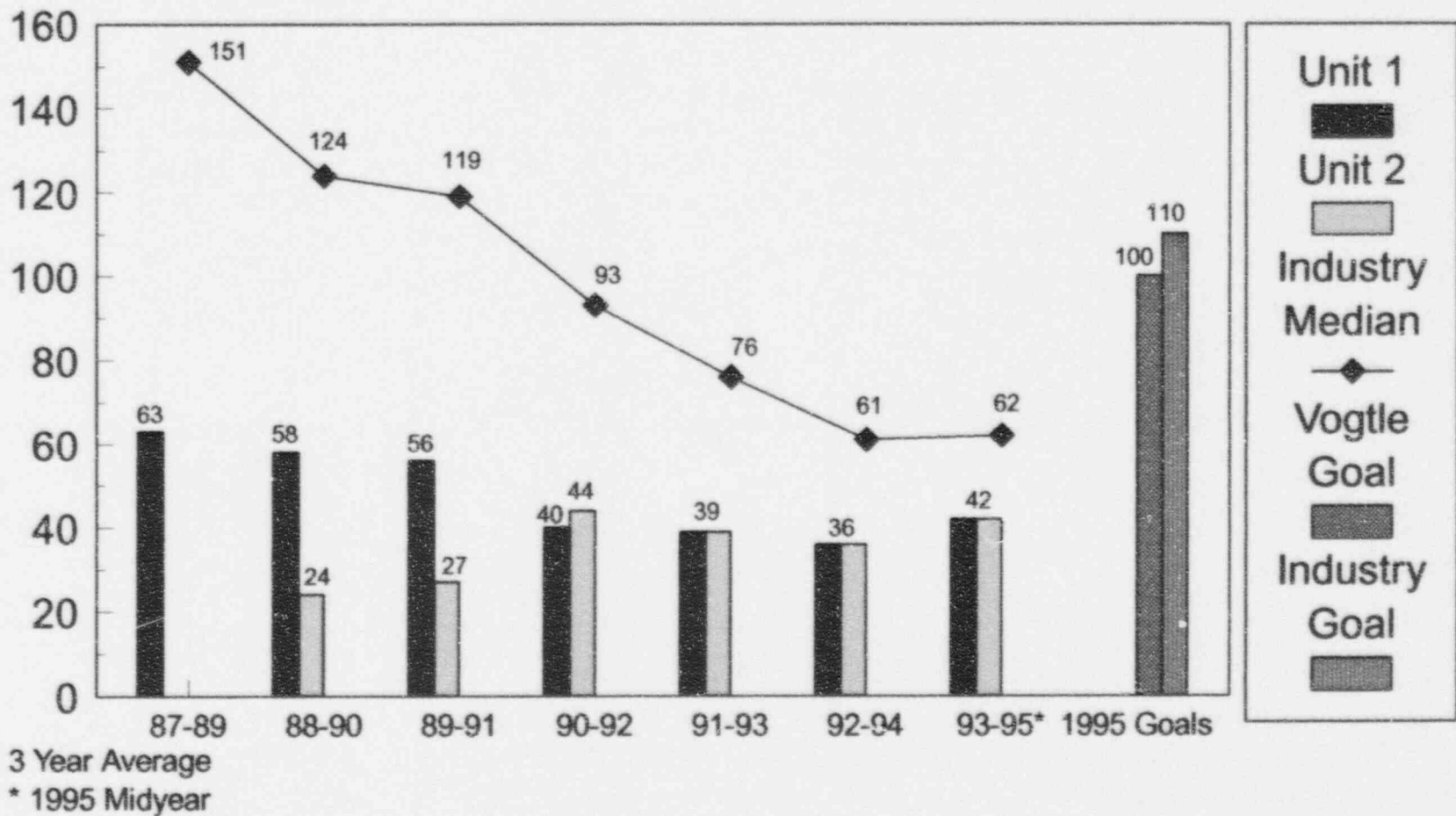


# SSPI-Emergency AC Power

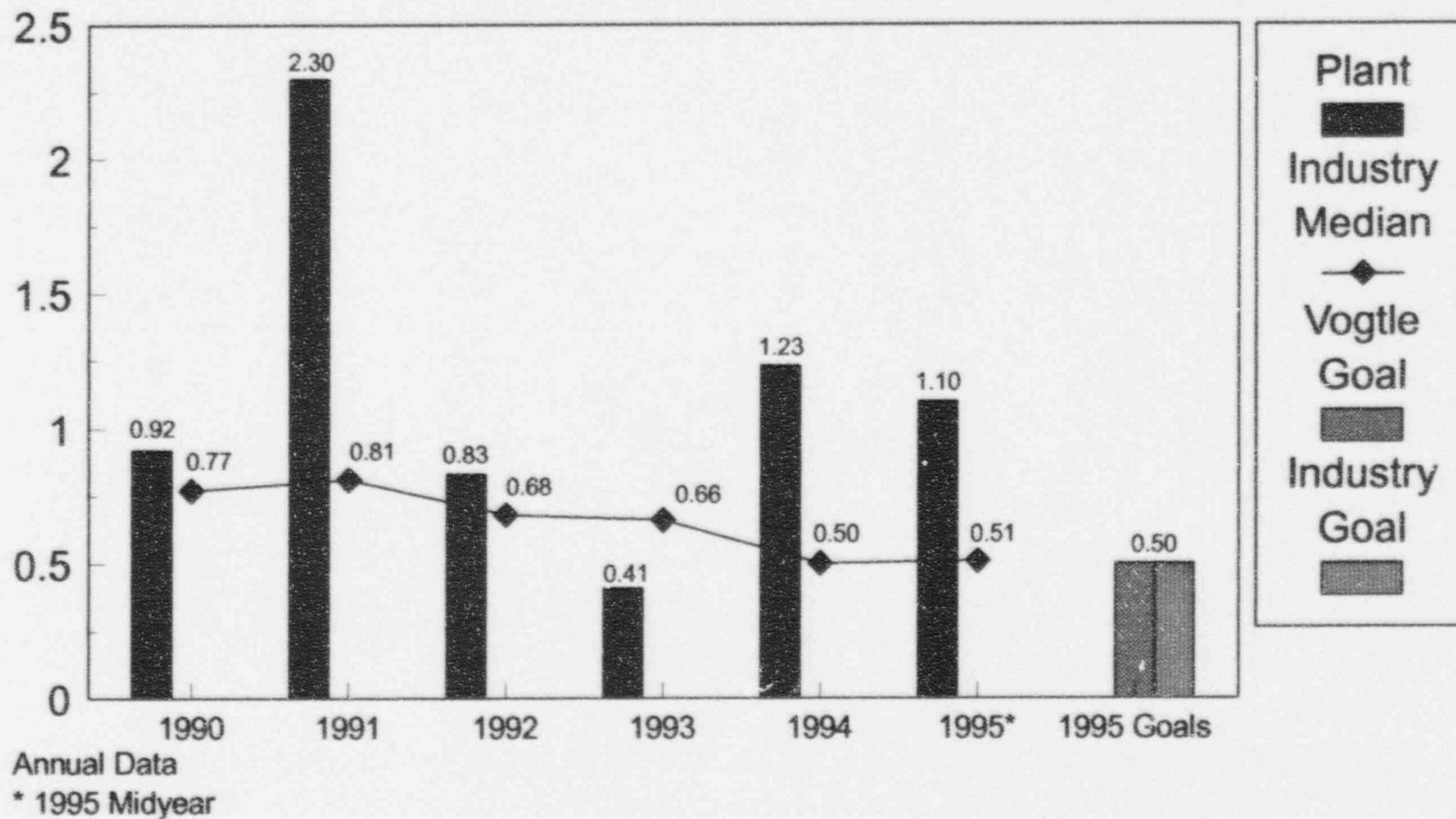
Unavailability Factor



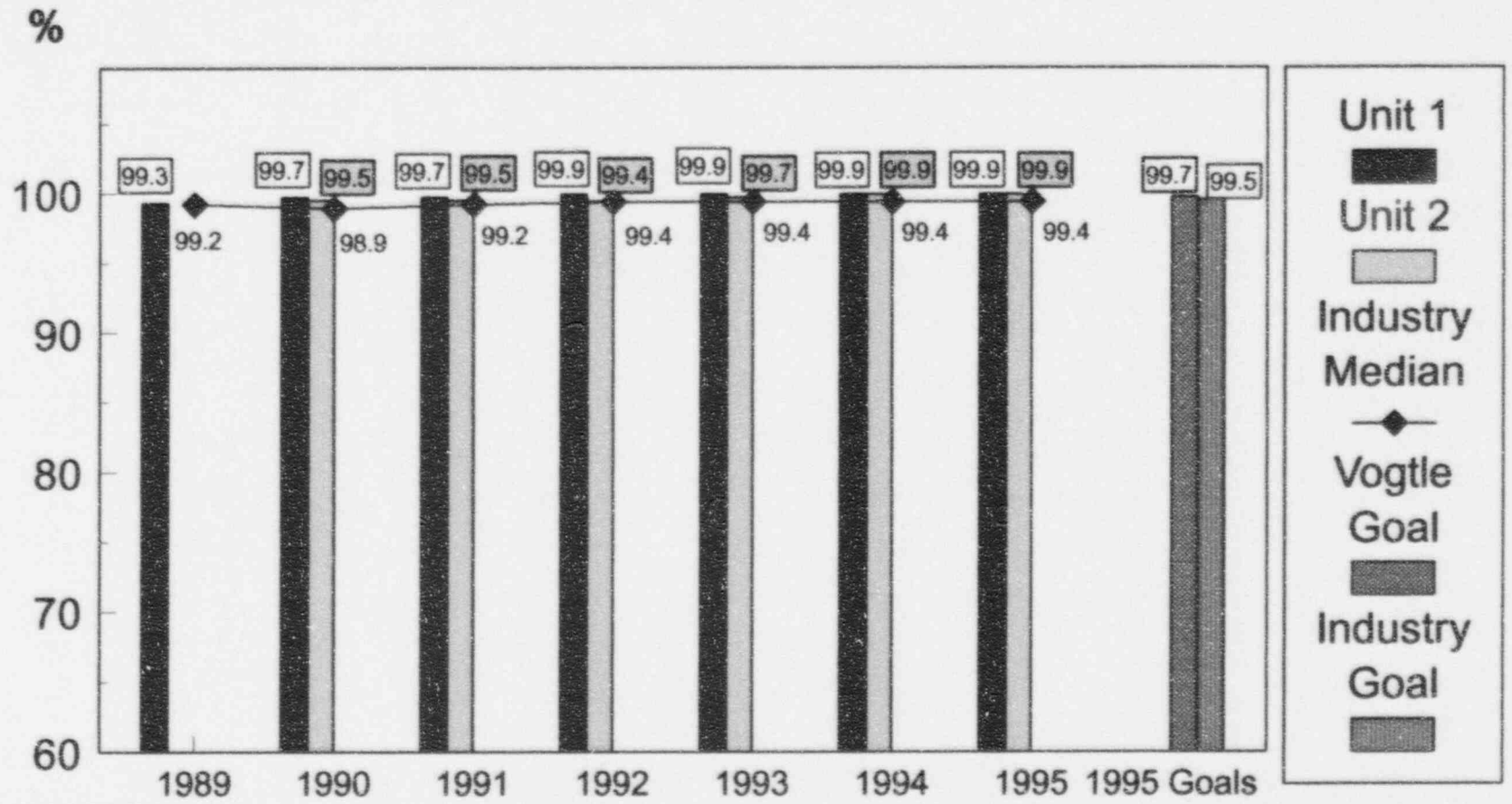
# Volume of Low Level Solid Radioactive Waste Per Unit



# Industrial Safety Accident Rate

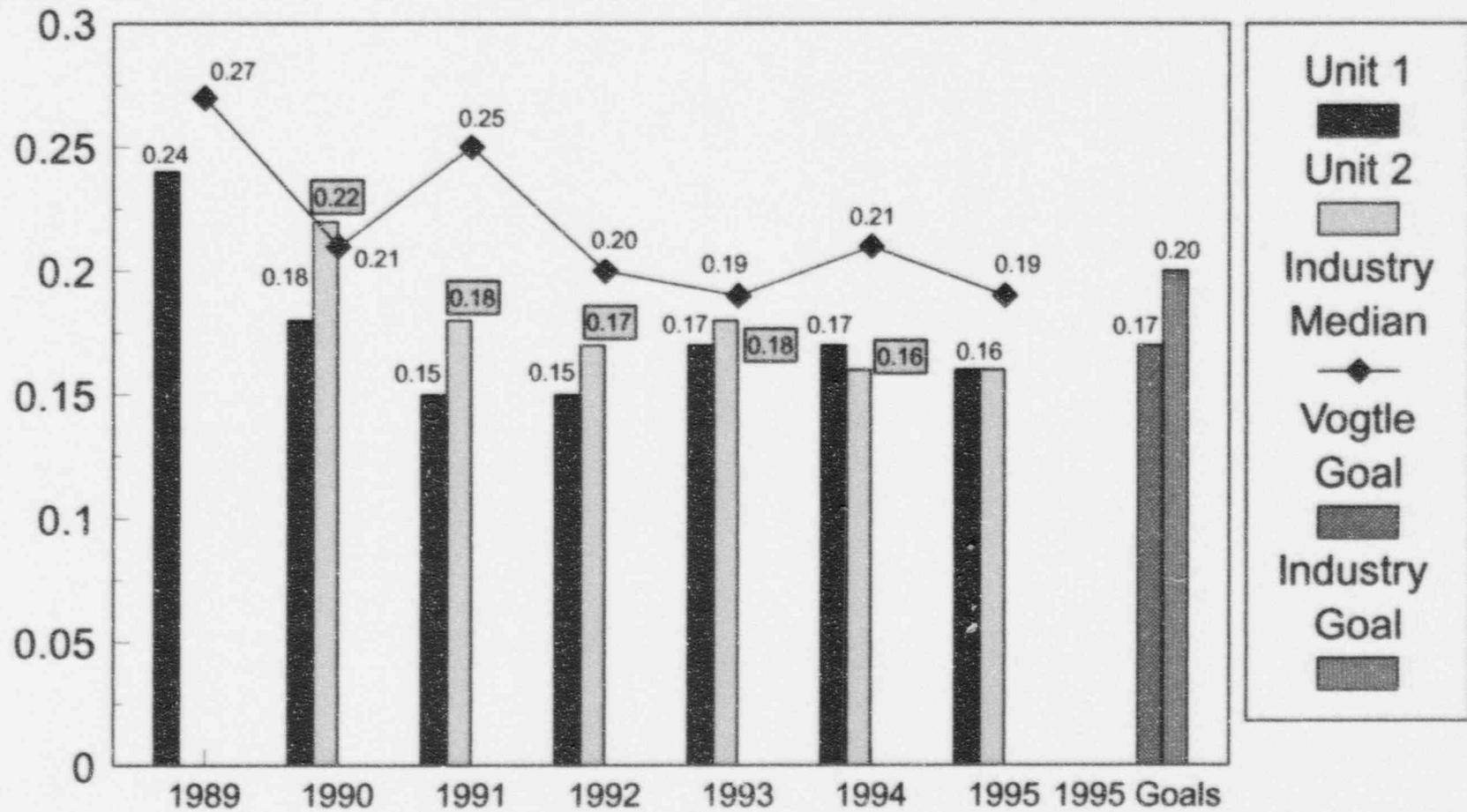


# Thermal Performance



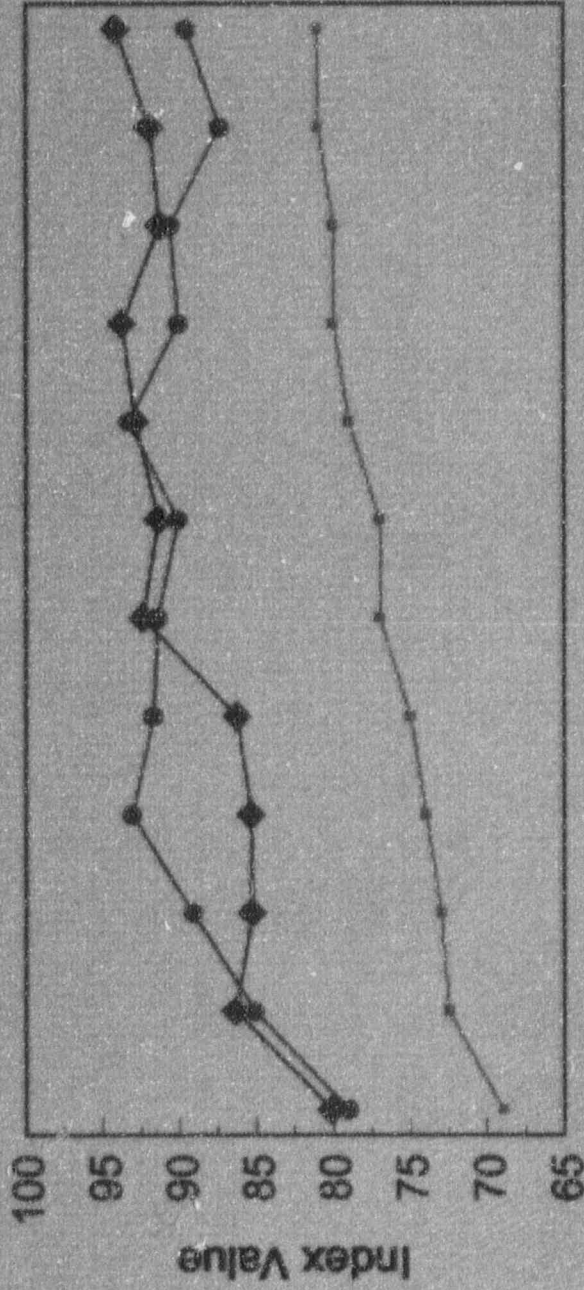
\*1995 Midyear

# Chemistry Index





# Performance Index



YearQuarter	923	924	931	932	933	934	941	942	943	944	951	952
Unit 1	80.1	86.4	85.3	85.4	86.3	92.4	91.4	92.9	93.8	91.3	92.0	94.2
Unit 2	79.0	85.1	89.1	93.1	91.7	91.4	90.1	93.3	90.1	90.6	87.4	89.6
Ind. Mean	69.0	72.5	73.0	74.0	75.0	77.0	77.0	79.0	80.0	80.0	81.0	81.0

The Performance Index is a weighted average of major performance indicators.



**GEORGIA POWER**



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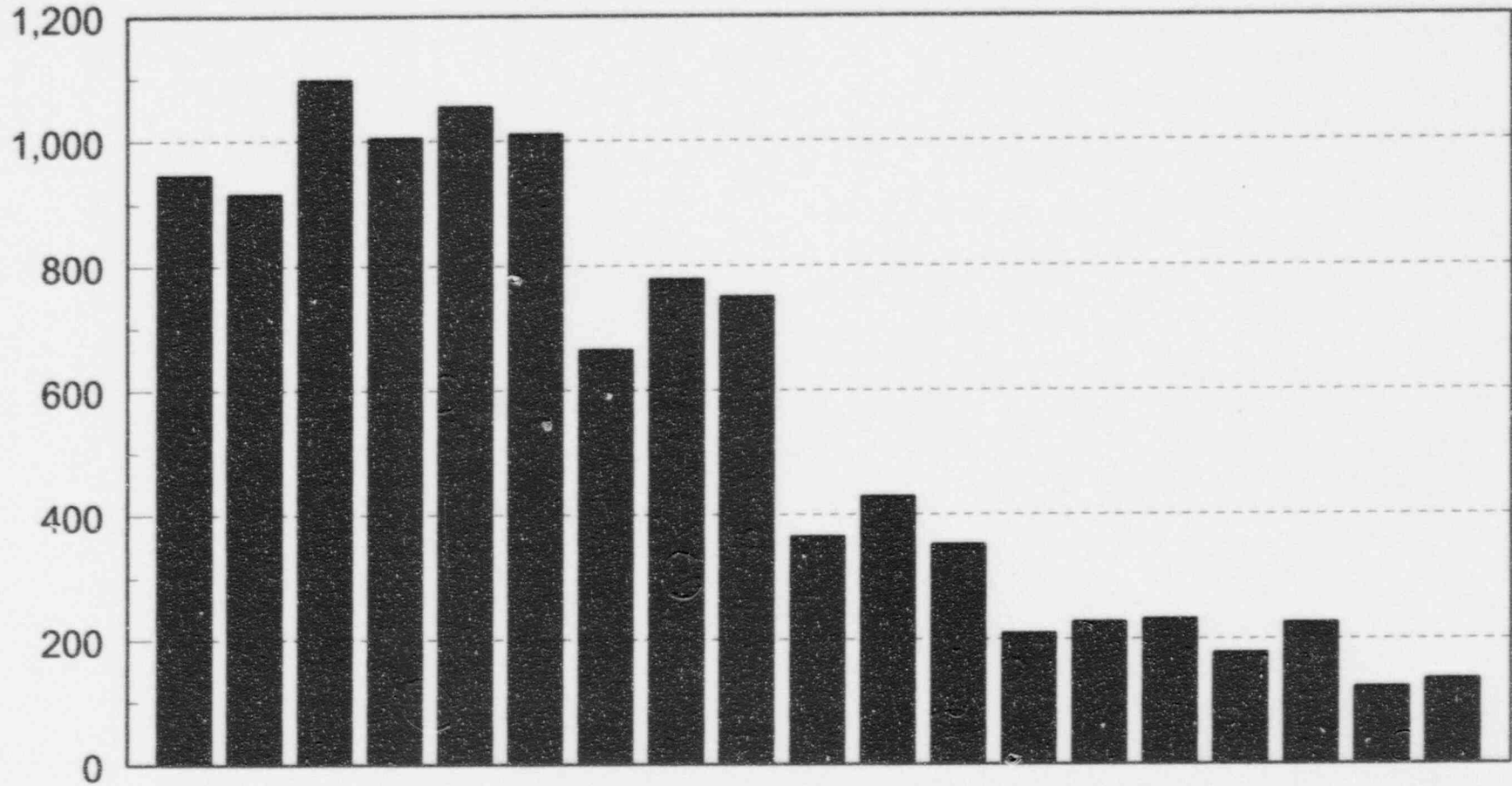
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# Plant Vogtle Non-Outage Corrective MWO Backlog

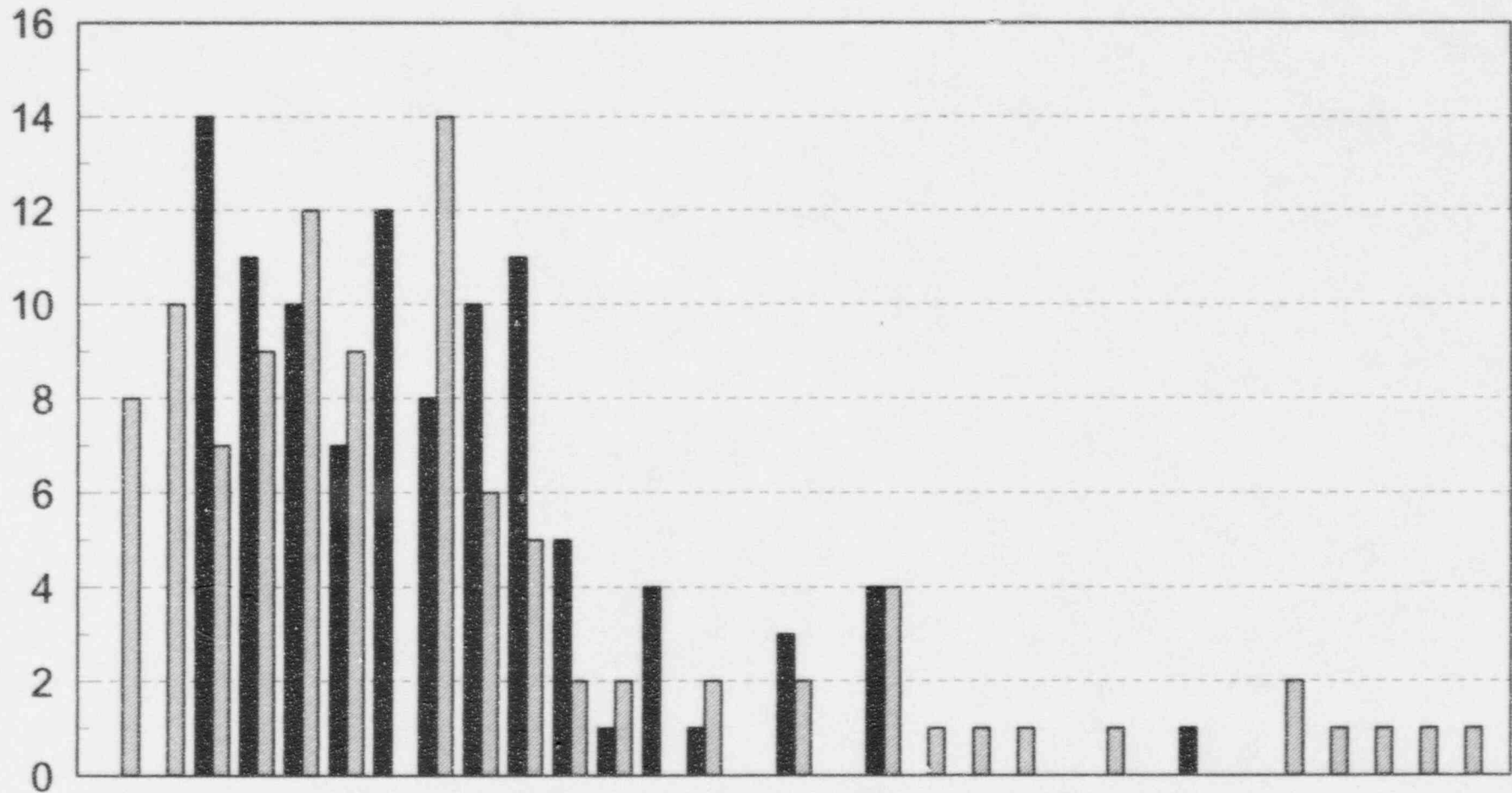
Number of MWOs



Month	3/91	6/91	9/91	12/91	3/92	6/92	9/92	12/92	3/93	6/93	9/93	12/93	3/94	6/94	9/94	12/94	3/95	6/95	9/95
CMP	946	916	1,097	1,005	1,055	1,010	665	778	750	365	429	352	209	227	232	177	225	122	135

# Plant Vogtle Lit Annunciators

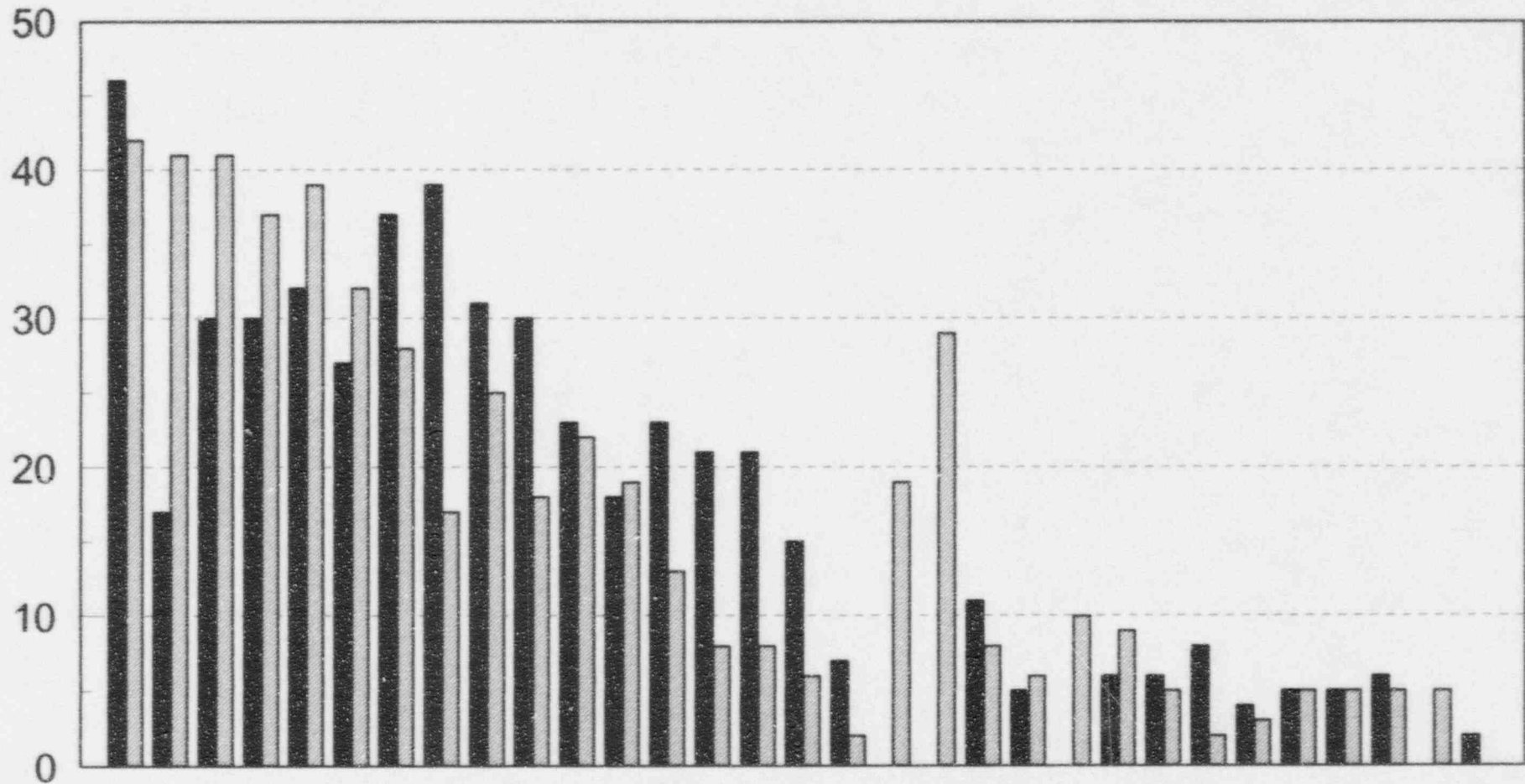
Number of Annunciators



Month	3/93	4/93	5/93	6/93	7/93	8/93	9/93	10/93	11/93	12/93	1/94	2/94	3/94	4/94	5/94	6/94	7/94	8/94	9/94	10/94	11/94	12/94	1/95	2/95	3/95	4/95	5/95	6/95	7/95	8/95	9/95
U1 Annun	0	0	14	11	10	7	12	8	10	11	5	1	4	1	0	3	0	4	0	0	0	0	0	0	1	0	0	0	0	0	0
U2 Annun	8	10	7	9	12	9	0	14	6	5	2	2	0	2	0	2	0	4	1	1	1	0	1	0	0	2	1	1	1	1	

# Plant Vogtle Control Room Instruments OOS

Number of Instruments



Month	3/93	4/93	5/93	6/93	7/93	8/93	9/93	10/93	11/93	12/93	1/94	2/94	3/94	4/94	5/94	6/94	7/94	8/94	9/94	10/94	11/94	12/94	1/95	2/95	3/95	4/95	5/95	6/95	7/95	8/95	9/95
U1 CRI	46	17	30	30	32	27	37	39	31	30	23	18	23	21	21	15	7	0	11	5		8	6	8	4	5	5	6		2	
U2 CRI	42	41	41	37	39	32	28	17	25	18	22	19	13	8	8	8	2	19	29	8	6	10	9	5	2	3	5	5	5	5	



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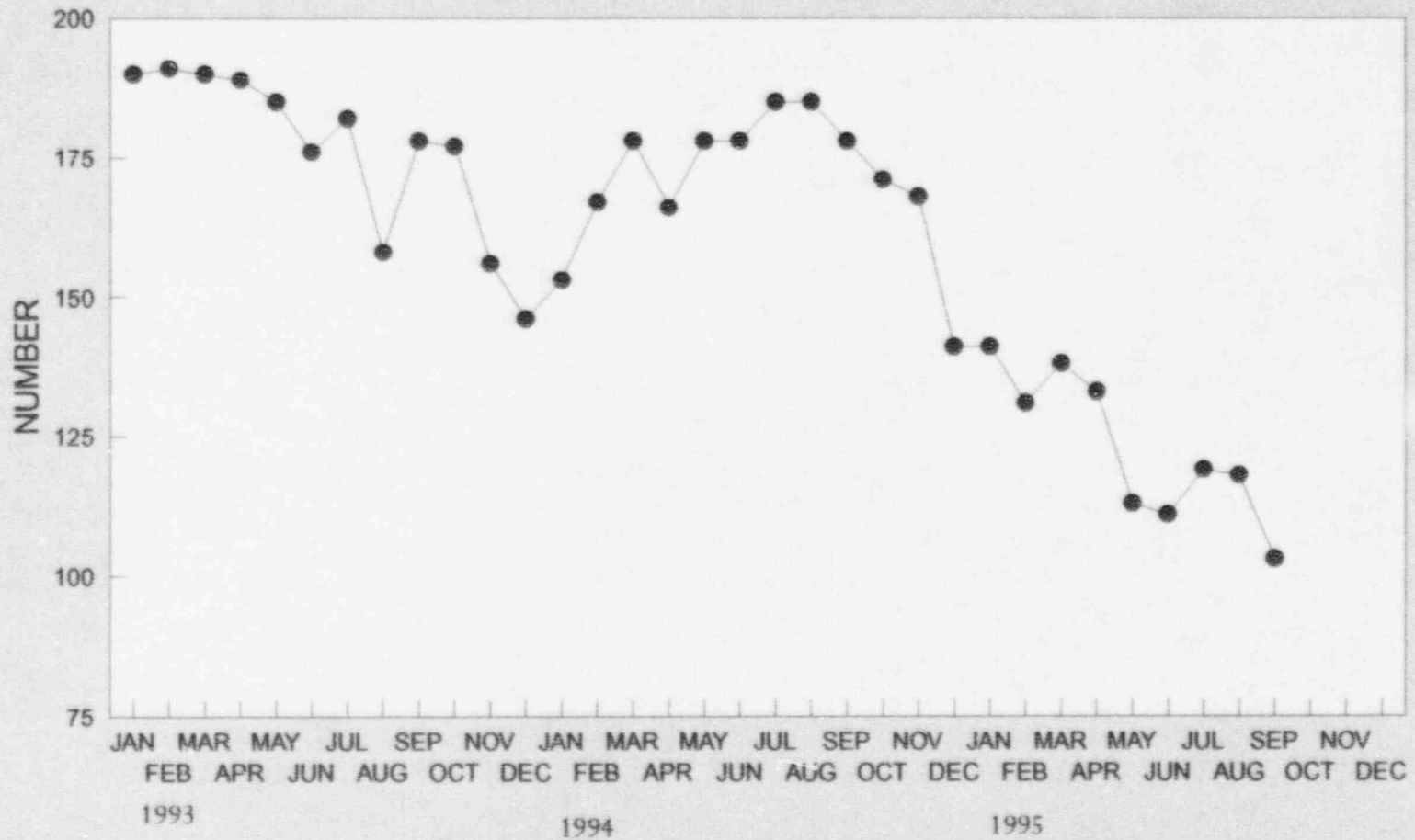
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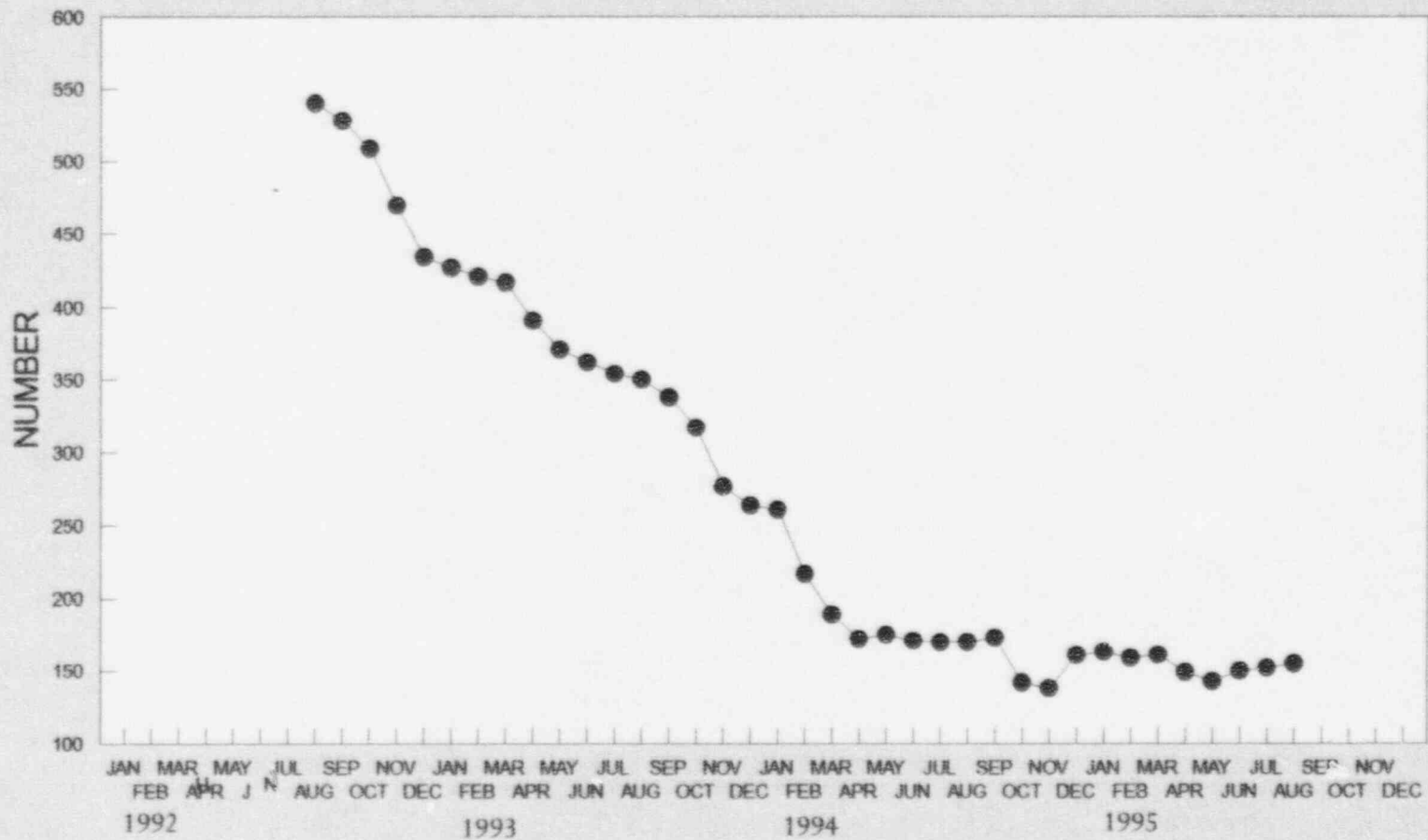
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# Open MDCs

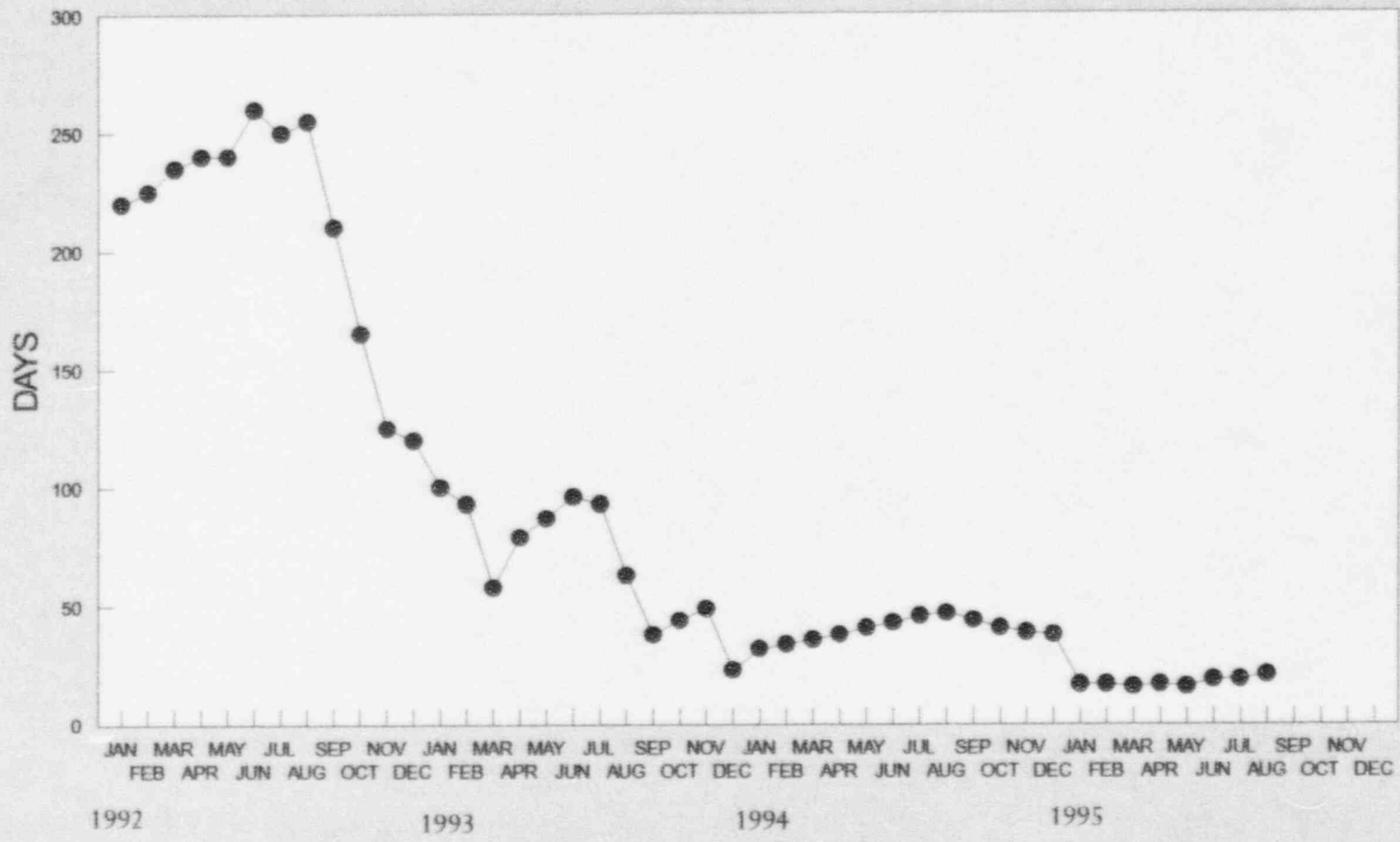


# Open DCRs





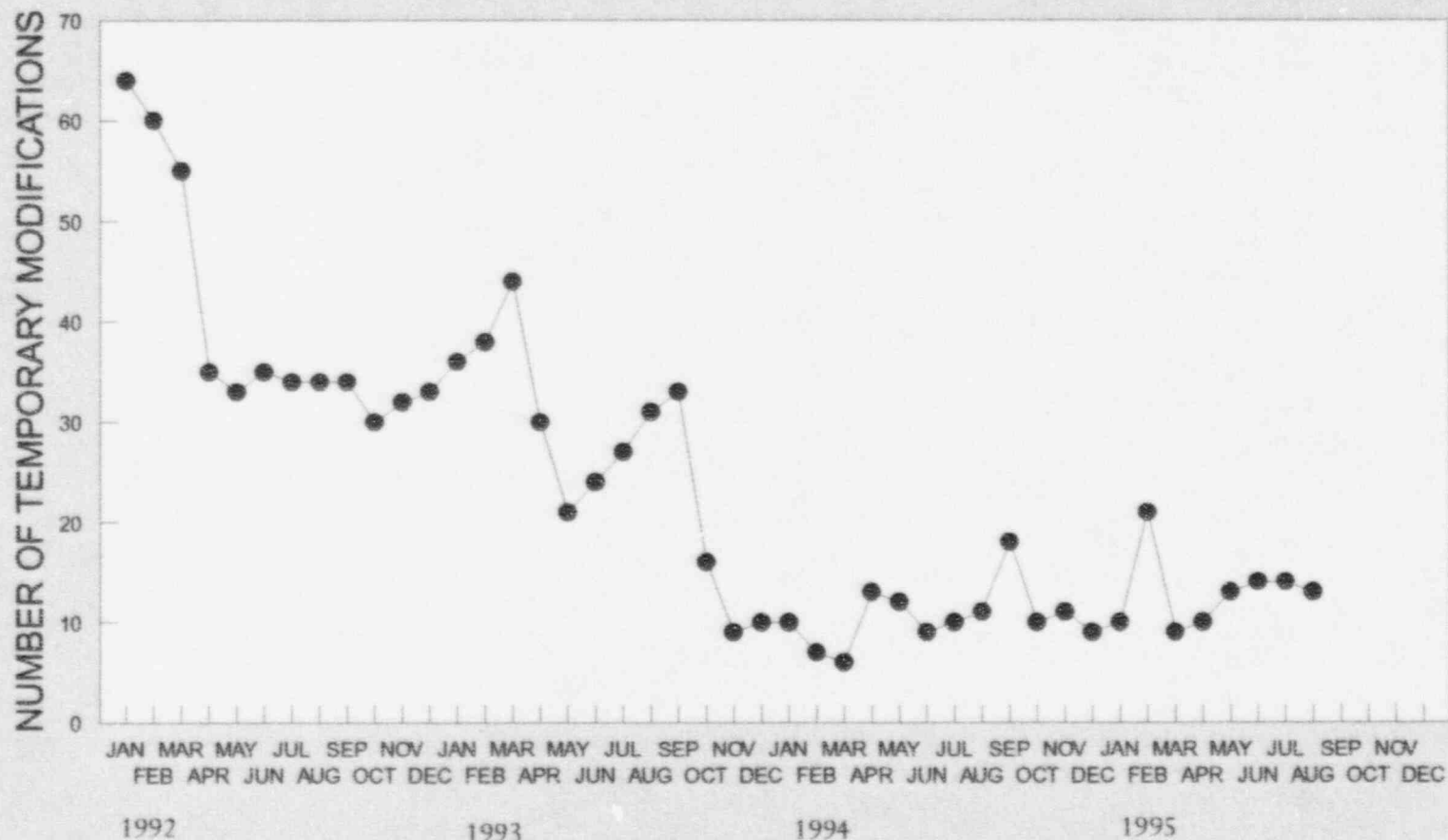
# RER Average Age





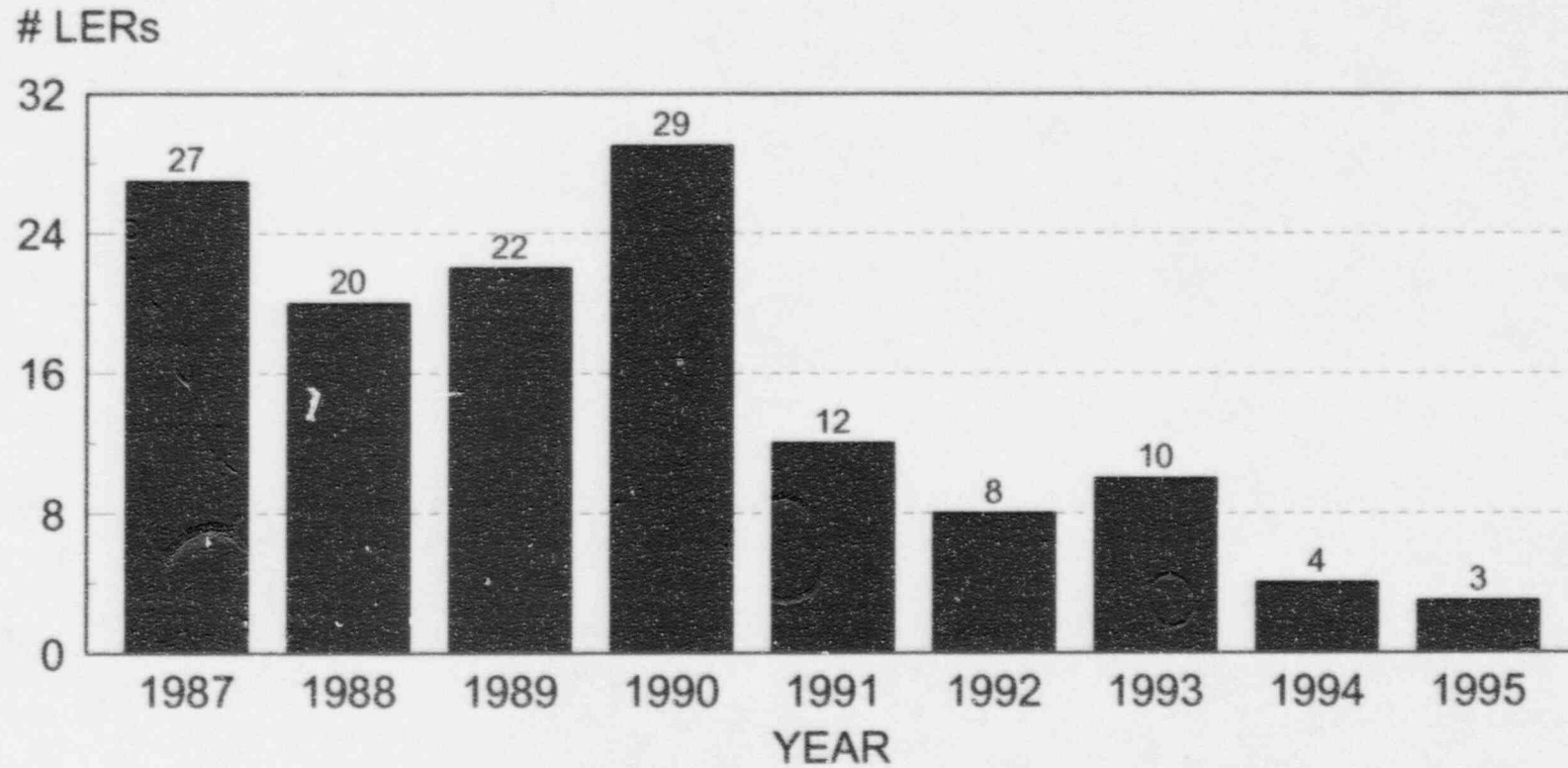
# Temporary Modifications

Note: Spring and Fall peaks occur due to additional requests for TMs during refueling outages





# PLANT VOGTLE PERSONNEL ERROR LERs



■ LERs YTD (as of 10-17-95)

NOTE: UNIT 2 OPERATION BEGAN IN 1989  
(LERPE)