

JAN 27 1994

Official copy

Docket Nos. 50-390, 50-391
License Nos. CPPR-91, CPPR-92

Tennessee Valley Authority
ATTN: Dr. Mark O. Medford
Vice President, Technical Support
3B Lookout Place
1101 Market Street
Chattanooga, TN 37402-2801

Gentlemen:

SUBJECT: MEETING SUMMARY - WATTS BAR UNITS 1 AND 2

This letter refers to the meeting conducted at the Watts Bar site on January 20, 1994. The meeting was at our request to discuss the status of ongoing and planned activities at Watts Bar. Enclosure 1 is a list of the individuals who attended the meeting and Enclosure 2 is the handout material supplied by TVA. It is our opinion that this meeting was beneficial and provided a better understanding of TVA's activities.

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

Sincerely,

(Original signed by E. Merschoff)

Ellis W. Merschoff, Director
Division of Reactor Projects

Enclosures:

1. List of Attendees
2. Presentation Summary

cc w/encs: (See page 2)

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PDR ADOCK 05000390
A PDR

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Tennessee Valley Authority

2

cc w/encls:

Mr. Craven Crowell, Chairman
Tennessee Valley Authority
ET 12A
400 West Summit Hill Drive
Knoxville, TN 37902

Mr. W. H. Kennoy, Director
Tennessee Valley Authority
ET 12A
400 West Summit Hill Drive
Knoxville, TN 37902

Mr. Johnny H. Hayes, Director
Tennessee Valley Authority
ET 12A
400 West Summit Hill Drive
Knoxville, TN 37402-2801

Mr. D. E. Nunn, Vice President
Tennessee Valley Authority
3B Lookout Place
1101 Market Street
Chattanooga, TN 37402-2801

Mr. W. J. Museler, Vice President
Watts Bar Nuclear Plant
Tennessee Valley Authority
Route 2, P. O. Box 800
Spring City, TN 37381

Mr. B. S. Schofield, Manager
Nuclear Licensing and
Regulatory Affairs
4G Blue Ridge
1101 Market Street
Chattanooga, TN 37402-2801

Mr. G. L. Pannell
Site Licensing Manager
Watts Bar Nuclear Plant
Tennessee Valley Authority
Route 2, P. O. Box 800
Spring City, TN 37381

TVA Representative
Tennessee Valley Authority
11921 Rockville Pike
Suite 402
Rockville, MD 20852

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

The Honorable Robert Aikman
County Executive
Rhea County Courthouse
Dayton, TN 37321

The Honorable Garland Lanksford
County Executive
Meigs County Courthouse
Decatur, TN 37322

Mr. M. H. Mobley, Director
Division of Radiological Health
3rd Floor, L and C Annex
401 Church Street
Nashville, TN 37243-1532

Danielle Droitsch
Energy Project
The Foundation for Global
Sustainability
P. O. Box 1101
Knoxville, TN 37901

Mr. Bill Harris
Route 1, Box 26
Ten Mile, TN 37880

bcc w/encls: (See page 3)

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Tennessee Valley Authority

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bcc w/encls:

E. W. Merschhoff, DRP/RII
P. E. Fredrickson, DRP/RII
B. M. Bordenick, OGC
M. S. Callahan, GPA/CA
A. F. Gibson, DRS/RII
B. S. Mallett, DRSS/RII
P. A. Taylor, DRS/RII
G. C. Lainas, NRR
F. J. Hebdon, NRR
L. C. Plisco, OEDO
P. S. Tam, NRR
NRC Document Control Desk

NRC Resident Inspector
U. S. Nuclear Regulatory Commission
Route 2, Box 700
Spring City, TN 37381

DRP/RII
AR
ARuff:vyg
01/24/94

DRP/RII
PF
PFredrickson
01/26/94

DRP/RII
JC
JCrienjak
01/26/94 *jn*

ENCLOSURE 1

LIST OF ATTENDEES

NAME

TITLE

Participants:

NRC

Dr. I. Selin	Chairman
J. Taylor	Executive Director for Operations
E. Baker	Technical Assistant to the Chairman
W. Beecher	Office of Public Affairs
S. Ebnetter	Regional Administrator
P. Fredrickson	Section Chief
G. Walton	Senior Resident Inspector (Construction)
P. VanDoorn	Senior Resident Inspector (Operations)
K. Ivey	Resident Inspector
J. Lara	Resident Inspector
M. Glasman	Resident Inspector
K. Clark	Public Affairs Officer

TVA

O. Kingsley	President, Generating Group
W. Cobean	Advisor to the TVA Board of Directors
D. Nunn	Vice President, Nuclear Projects
J. Scalice	Vice President, Nuclear Operations
M. Medford	Vice President, Technical Support
W. Museler	Site Vice President
N. Kazanas	Vice President Completion Assurance
D. Moody	Plant Manager
G. Pannell	Licensing Manager
W. Elliott	Engineering and Modifications

Observers

A. Harris	TVA
F. McCuistion	TVA
T. Birchfield	
Dr. S. Smith	Foundation for Global Sustainability
V. Miller	Chattanooga News Free Press
R. Higgins	Chattanooga Times
R. Hawkins	WMTU Radio, Knoxville
J. Sprague	Athens Post-Athenian
M. Williams	The Associated Press, Chattanooga
J. Carpenter	Dayton Herald-News

NRC CHAIRMAN SELIN'S VISIT TO WBN

January 20, 1994



NRC CHAIRMAN SELIN'S VISIT TO WBN

JANUARY 20, 1994

AGENDA

- 11:00 a.m. - 11:15 a.m. Arrive at WBN NRC Office - Meet Resident Staff*
(Introductions - Confirm Agenda) Museler/Scalice
- 11:30 a.m. - 01:00 p.m. Plant Tour* Museler/Scalice
Moody/Elliott
- Diesel Generators
 - Control Room
 - Auxiliary Control Room
 - Reactor Building
 - Auxiliary Building
- 01:00 p.m. - 01:30 p.m. Working Lunch*
(Conference Room B)
- 01:45 p.m. - 2:45 p.m. Plant Status*
(Training Center)
- Opening Remarks Kingsley/Nunn
 - Completeness of Construction Work Museler
 - Employee Concerns Medford
 - Operational Readiness Scalice
- 02:45 p.m. - 3:00 p.m. Chairman's Remarks*
- 03:00 p.m. Chairman's Press Conference*

NRC Attendees:

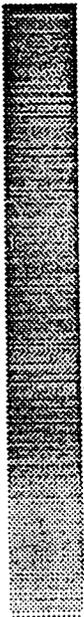
Selin
Taylor
Ebnetter
Baker (Tech. Asst.)
Beecher
Region II Representatives
NRR Representatives

TVA Attendees:

Kingsley
Nunn
Medford
Museler
Scalice
Kazanas
Moody
Elliott
Pannell



Plant Status



Opening Remarks



Plant Status



Completeness of
Construction Work



WBN Unit 1 - Current Status

- Base Engineering Complete
- Systems Completion Status
 - Engineering 135 of 135
 - Modifications 93 of 135
 - Startup 47 of 135
- Schedule
 - Hot functional testing - March 2, 1994
 - Fuel load
 - Finalize schedule after hot functional testing
- Limited Remaining Technical Issues

▼ WBN Unit 1

Quantity Status
(11/21/91 thru 1/9/94)

	Unit of Measure	Installed To Date	Estimate To Go	Grand Total	Percent Complete
Power & Control Cable	Linear Ft	901,142	296,697	1,197,839	75%
Power & Control Conduit	Linear Ft	111,101	26,631	137,732	81%
Large Bore Pipe Supports -New & Mods	Each	2,482	968	3,450	72%
Small Bore Pipe Supports - New & Mod	Each	2,116	644	2,760	77%
HVAC Ductwork Mods	Linear Ft	10,318	2,525	12,843	80%

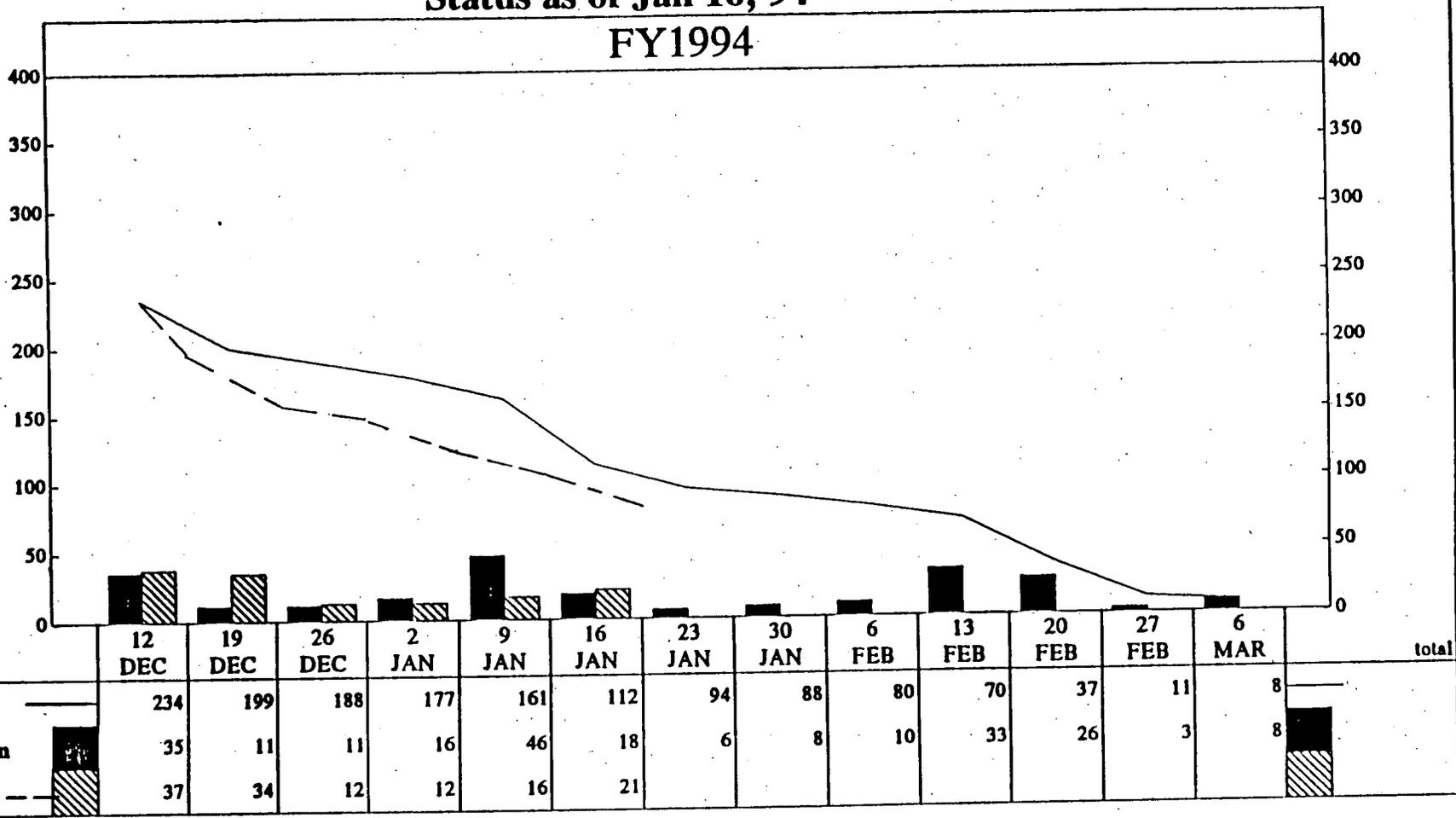
Mods - HFT TOGO ELECTRICAL WP Finishes 18JAN94

Status as of Jan 16, 94

FY1994

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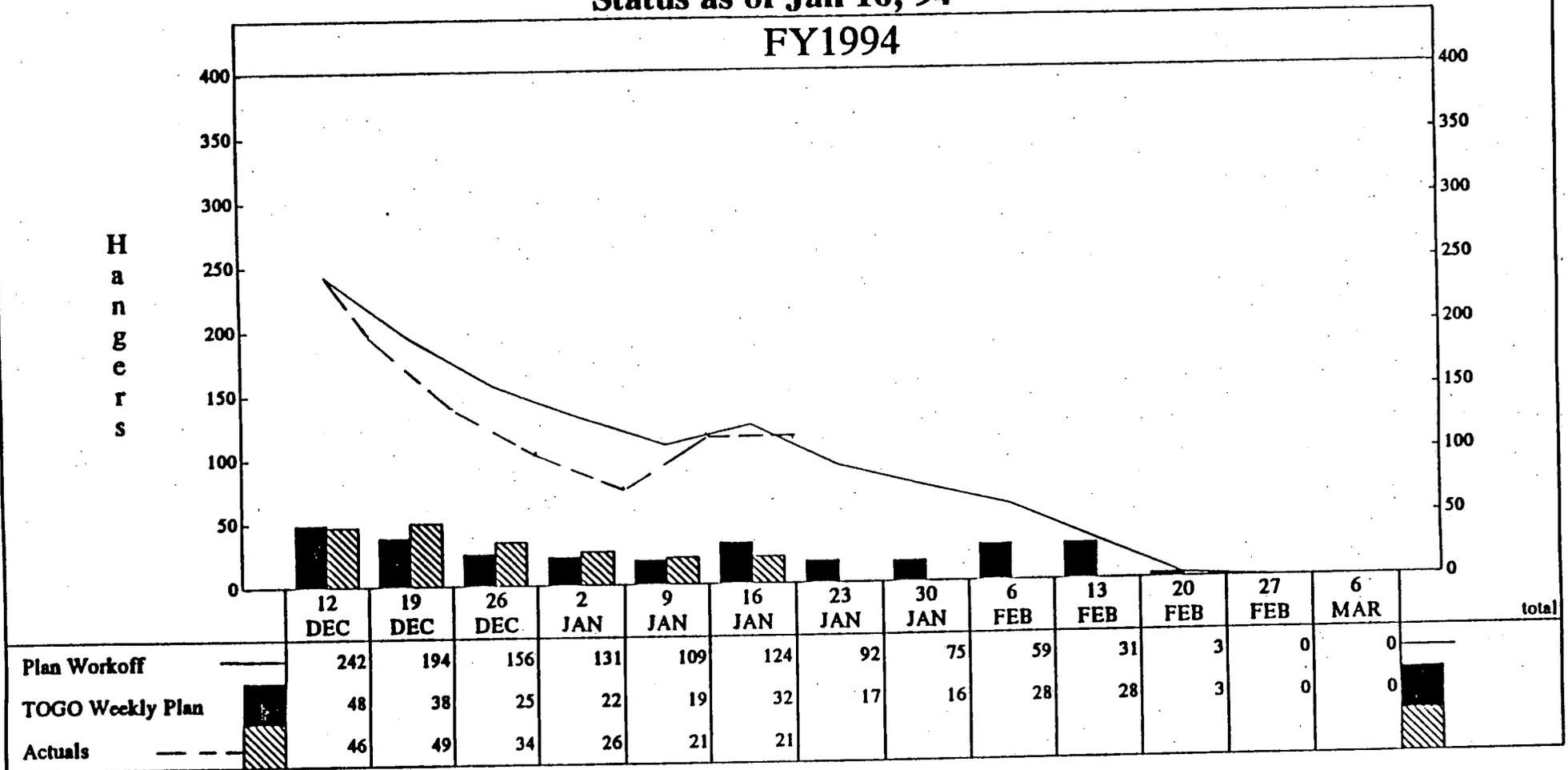
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NOTES: Questions? call x1088,3298 as of 01/18/94 17:20
 HFT work plans are those work plans either restraining HFT testing or are in the Containment building. Note: Annual work is NOT included in these numbers if the WP does NOT restrain testing.

Mods - HFT TOGO HANGER Finishes 18JAN94

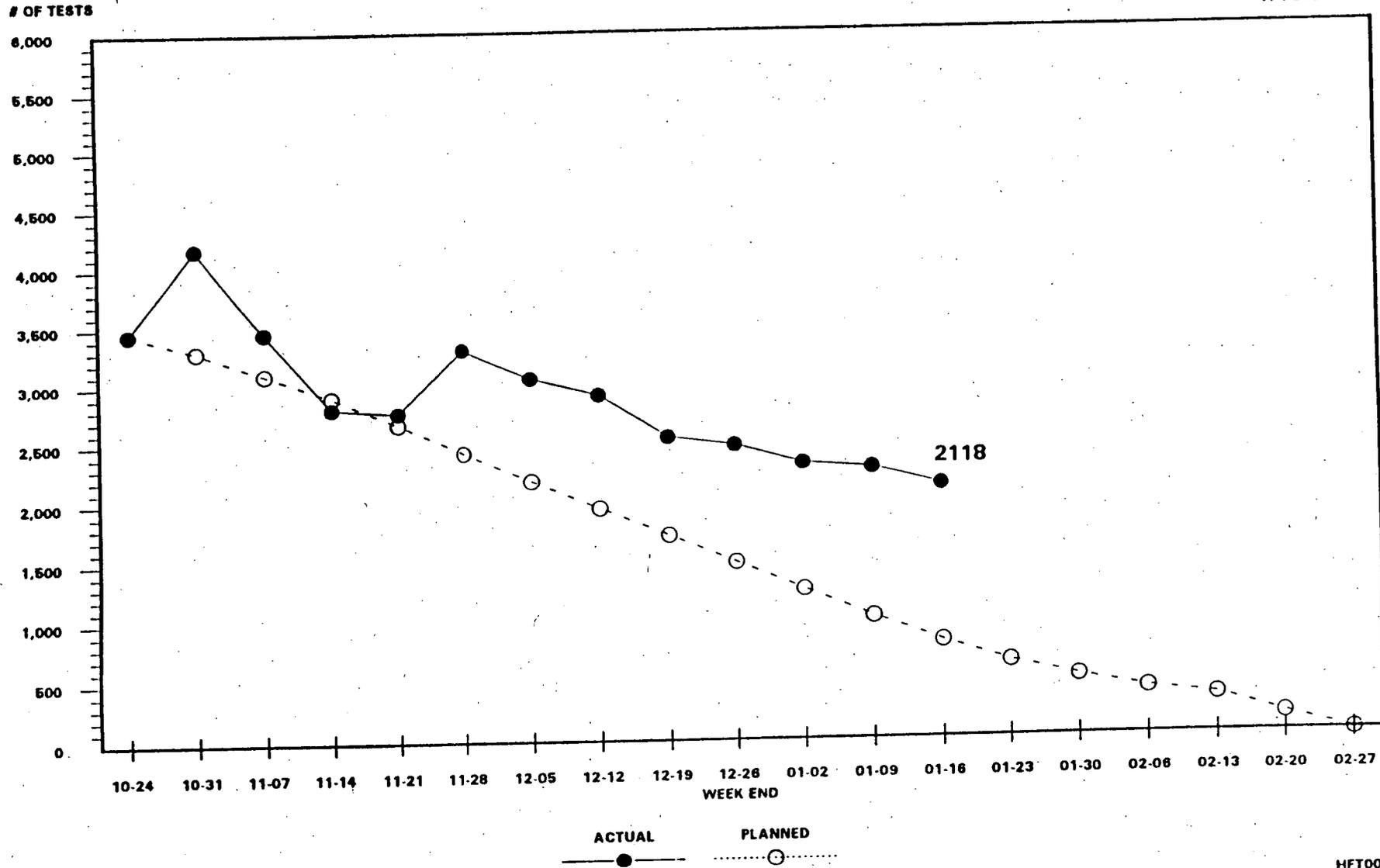
Status as of Jan 16, 94



NOTES: Questions? call x1088,3298 as of 01/18/94 17:21
 HFT hangers are those hangers (large or small) which either restrain HFT testing or are in the Containment building.

WBN STARTUP & TEST HFT PREREQUISITES COMPONENT TESTING SUMMARY

1/18/94



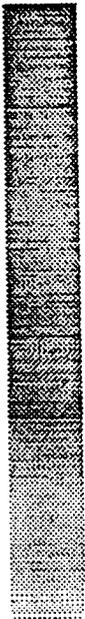
▼ WBN Unit 1

Startup Procedure
Development Summary Status

	PTI	ATI
Totals	149	34
Performed/Vaulted	12	18
Startup Manager Approved	12	6
Drafted/In Review	35	7
No Draft Complete	90	3
Pre-HFT: Required	7	0
Approved	1	0
In Review	6	0
To Be Drafted	0	0
HFT: Required	27	1
Approved	0	0
In RVW	20	1
To Be Drafted	7	0



Quality

- 
- Construction
 - Overall has been high since restart
 - AQL monitored by senior management
 - QIs used down to the working level
 - Some problems deal with incomplete work (mainly electrical)
 - Several management initiatives
 - Process improvements made/strengthened
 - Organizational/personnel changes
 - Senior management watching closely



Quality - (Continued)

- Startup Testing
 - Some problems seen in
 - Documentation
 - Procedure adherence
 - Procedure adequacy
 - Improvements made
 - New SU management team
 - Remaining preop procedures rewritten
 - Process improvements
- Summary

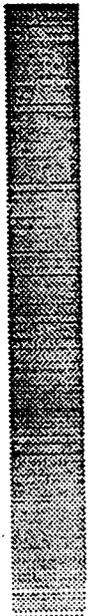
▼ WBN Unit 1

Project Summary

- Base Engineering Complete
- Construction on Schedule
- Construction Quality Since Restart Remains High
- Startup Test Program
 - Slower start than would have liked
 - Midcourse correction made - results beginning to show
 - Finding plant/equipment in excellent condition

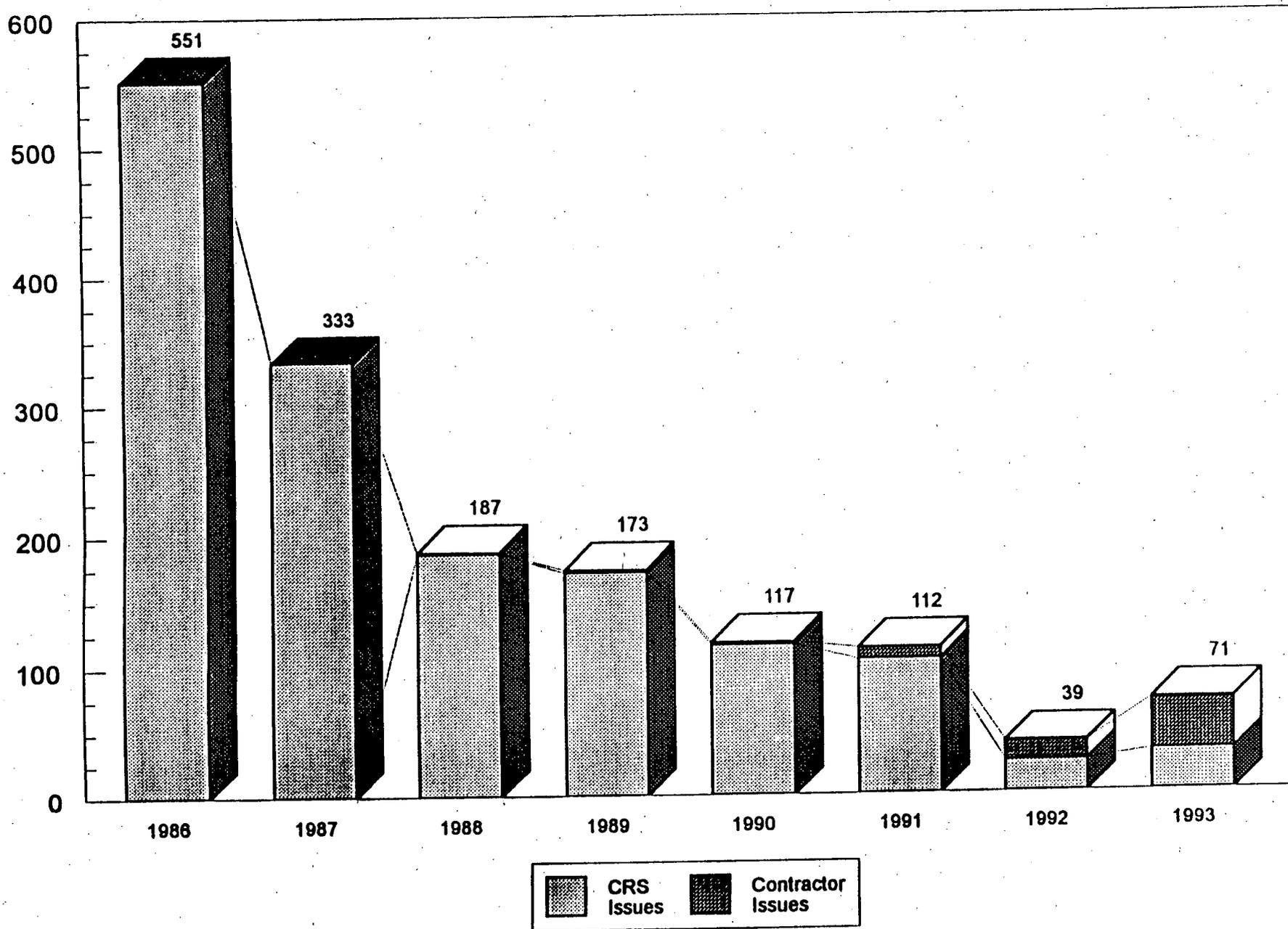


Plant Status

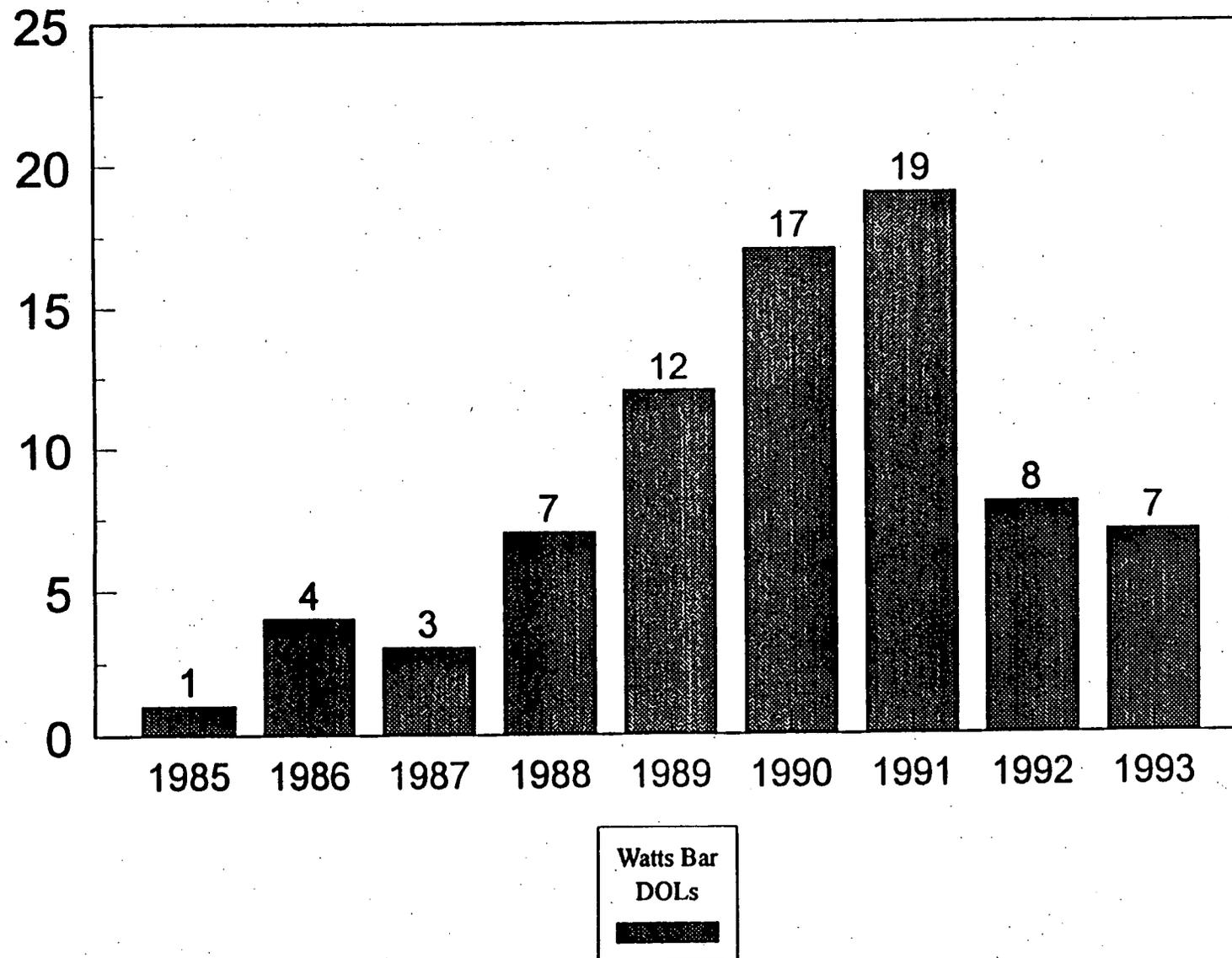


Employee Concerns

CRS and Contractor Issues Trend

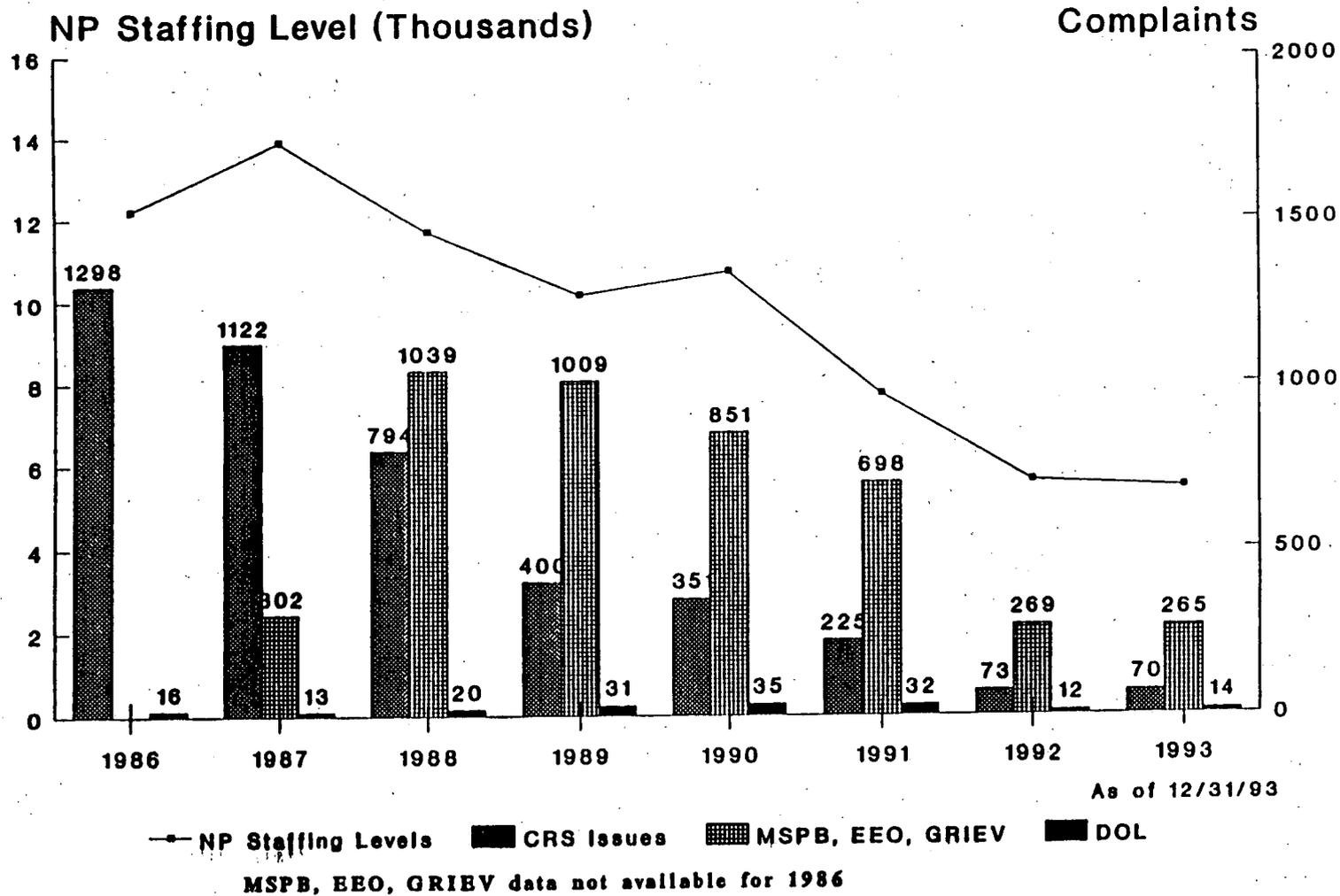


DOL Complaints Trend



TRENDS AND PERFORMANCE

TOTAL COMPLAINTS - ALL REPORTING SYSTEMS



PROACTIVE APPROACH BEING TAKEN AT WATTS BAR

- Lookback project in progress
- Communications Plan
- Supervisor training
- Employee Concerns Task Force
- Strengthen CRS

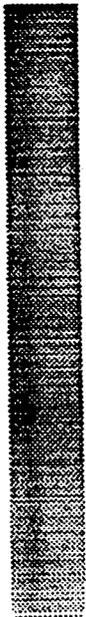


Employee Morale

- Workforce Stabilization - WBN TVA employees will remain employed until after FL (~6 mo.)
- Employee Survey - Improvements shown
- INPO Ops Assist Visit - "Very high degree of ownership in control room and in field"
- NRC Survey of Employees - Positive - "94% of site employees interviewed would report concerns to site management or site programs"
- Very Good Operator Exam Results



Plant Status



Operational Readiness



Operational Readiness

- Demonstrate that programs, procedures, and people are ready to operate a nuclear facility
 - Ensure nuclear ethic/operational excellence
 - Watts Bar Operational Readiness Plan incorporates
 - Previous ORR reviews/SQN lessons learned
 - Industry experience
 - INPO criteria
 - NRC inspection criteria
- Vice President of Operations in place early
 - Startup Test program/plant directly assigned to him
 - Programs in place - senior managers assigned
 - ORR schedule will be finalized January 31, 1994
 - Highest standards from the start of HFT - 1st operational milestone