

MAR 19 1992

Docket No. 50-458
License No. NPF-47

Gulf States Utilities
ATTN: James C. Deddens
Senior Vice President (RBNG)
P.O. Box 220
St. Francisville, Louisiana 70775

Gentlemen:

This refers to a meeting conducted at the licensee's request in the Region IV office on March 17, 1992. This meeting related to activities authorized by NRC License NPF-47 for the River Bend Station and was attended by those on the attached Attendance List.

The subjects discussed at this meeting are described in the enclosed Meeting Summary.

It is our opinion that this meeting was beneficial and has provided a better understanding of the actions you have taken, or that are in progress, to improve your overall performance at the River Bend Station. 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 will be placed in the NRC's Public Document Room.

Should you have any questions concerning this matter, we will be pleased to discuss them with you.

Sincerely,

Original Signed by:
A. B. BEACH

A. Bill Beach, Director
Division of Reactor Projects

Enclosure:
Meeting Summary w/attachments

cc w/enclosure:
Gulf States Utilities
ATTN: J. E. Booker, Manager-
Nuclear Industry Relations
P.O. Box 2951
Beaumont, Texas 77704

[Signature]
C: PSC
PHM;bh
3/19/92

~~D: BRS
SJCollins
3/19/92~~

[Signature]
D: DRP
ABBeach
3/19/92

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IE45

Gulf States Utilities

-2-

Winston & Strawn
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1401 L Street, N.W.
Washington, D.C. 20005-3502

Gulf States Utilities
ATTN: Les England, Director
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Police Jury
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Cajun Electric Power Coop. Inc.
ATTN: Philip G. Harris
10719 Airline Highway
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Hall Bohlinger, Administrator
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P.O. Box 82135
Baton Rouge, Louisiana 70884-2135

bcc to DMB (TE45)

bcc distrib. by RIV:

R. D. Martin
DRP

Lisa Shea, RM/ALF
DRSS-RPEPS

Project Engineer (DRP/C)

Senior Resident Inspector, Fort Calhoun

Resident Inspector
Section Chief (DRP/C)

RIV File

Senior Resident Inspector, Cooper

DRS

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MEETING SUMMARY

Licensee: Gulf States Utilities
Facility: River Bend Station
License No.: NPF-47
Docket No.: 50-458
Subject: Meeting to Discuss the Results of the Licensee's
Self-Assessment Evaluation

On March 17, 1992, representatives of Gulf States Utilities met with MRC personnel at the Region IV offices to discuss the results of the licensee's self-assessment evaluation. The attendance list and licensee presentation are attached to this summary. The meeting was open to the public.

The licensee presented the results of their self-assessment evaluation to provide information to the NRC on the actions that have been taken, or that are in progress, to improve the overall performance at the River Bend Station.

Attachments:

1. Attendance List
2. Licensee Presentation

ATTENDANCE LIST

Attendance at the GSU/NRC management meeting March 17, 1992, at the Region IV offices:

GSU

J. Deddens, Senior Vice President
P. Graham, Plant Manager, River Bend Station
J. Booker, Manager, Nuclear/Industry Relations
W. Odell, Manager, Oversight
L. England, Director, Nuclear Licensing

NRC

J. Montgomery, Deputy Regional Administrator
A. Beach, Director, Division of Reactor Projects (DRP)
T. Gwynn, Deputy Director, DRP
P. Harrell, Chief, Project Section C, DRP
S. Black, Director, Project Directorate IV-2, Office of Nuclear Reactor Regulation (NRR)
D. Pickett, Project Manager, River Bend Station, NRR
T. Westerman, Chief, Plant Systems Section, Division of Reactor Safety

GULF STATES UTILITIES RIVER BEND STATION

PRESENTATION
TO

NUCLEAR REGULATORY
COMMISSION

MARCH 17, 1992



MANAGEMENT OVERSIGHT
AND
SELF ASSESSMENT

- **MANAGEMENT ACTION PLAN**

- **MANAGEMENT OBSERVATION PROGRAMS**
 - TRAINING
 - MAINTENANCE FIELD OBSERVATION
 - RADIATION PROTECTION
 - OPERATIONS

- **QA AUDITS AND SURVEILLANCES**

- **SAFETY SYSTEM FUNCTIONAL INSPECTIONS**

- **NUCLEAR SAFETY ASSESSMENT GROUP**

MANAGEMENT ACTION PLAN

- DEVELOPED IN JUNE, 1991 AS A MANAGEMENT TOOL
- ISSUED TO RBS FOREMAN, SUPERVISORS, DIRECTORS AND MANAGERS
- 30 SECTIONS
- ADDRESSES CURRENT RBS IMPROVEMENTS
- EACH PLAN INCLUDES
 - OBJECTIVE
 - GOAL
 - RESPONSIBILITY
 - MONITORING
 - ACTION PLAN (WITH STATUS)
- LIVING DOCUMENT CURRENTLY ON REVISION 12

TEAM BUILDING AT RBS

- MANAGEMENT TRAINING ON DEVELOPING HIGH PERFORMANCE TEAMS
- MANAGEMENT FORUM
- CUSTOMER/SUPPLIER WORKSHOPS
- "WE-THEY" SURVEY AND PANEL
- "TOWN" MEETINGS

OPERATIONS

- **PLANT PERFORMANCE**
 - DAILY AVERAGE POWER LEVEL
 - NET CAPACITY FACTOR
 - ZERO SCRAMS IN 1991
 - 23 LERs

- **OPERATOR LICENSE EXAMS**
 - 100% PASS ON INITIAL LICENSE EXAMS IN DECEMBER
 - SUCCESSFUL REQUALIFICATION EXAMS

- **OPERATOR TRAINING IMPROVEMENTS**
 - ADDITIONAL SIMULATOR TIME
 - ADDITIONAL ON SHIFT TRAINING
 - SIMULATOR SCENARIO IMPROVEMENT
 - MANAGEMENT OBSERVATION IMPROVEMENTS

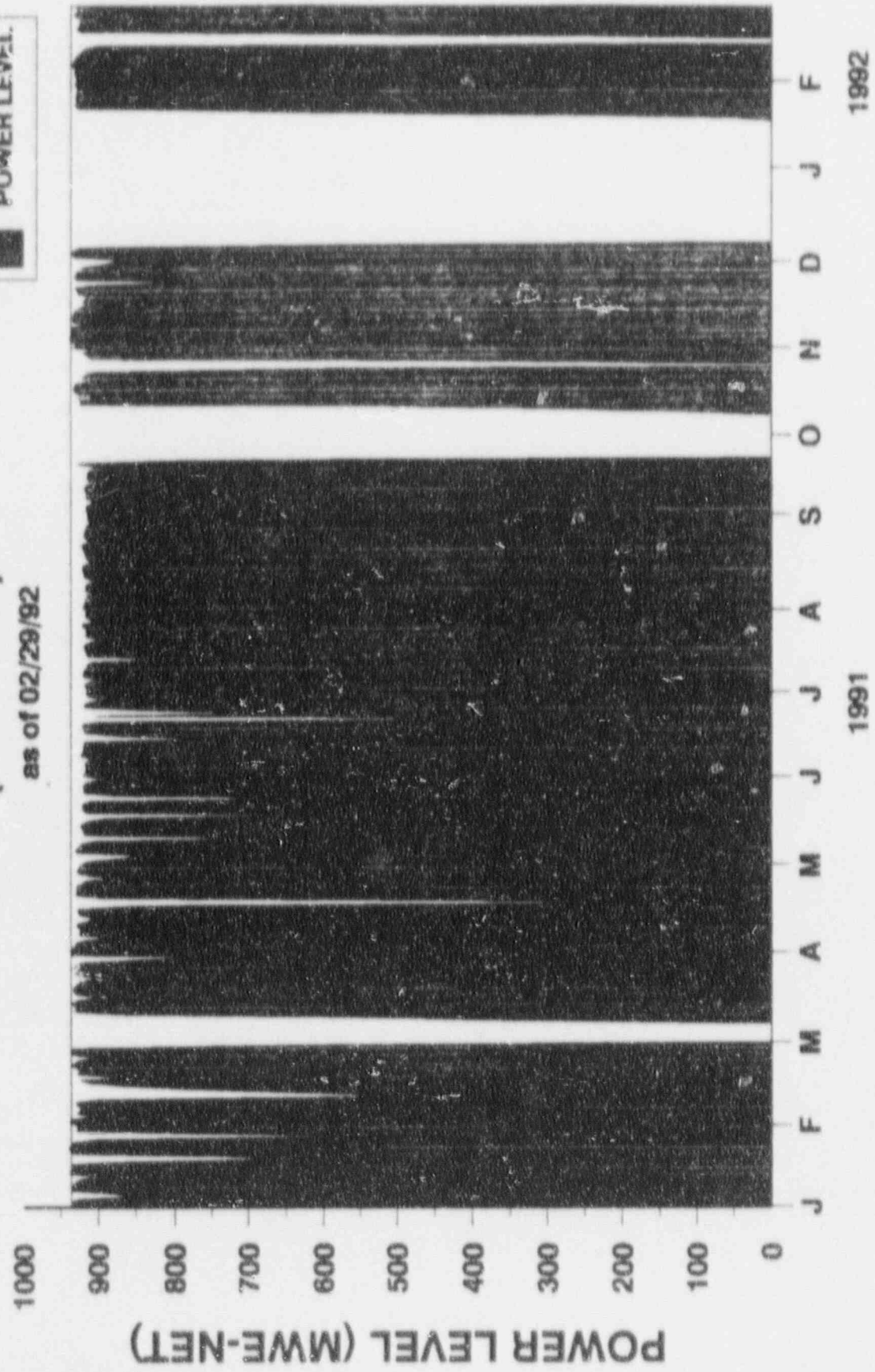
- **SHIFT TECHNICAL ADVISOR PROGRAM REVISED**

DAILY AVERAGE POWER LEVEL

(MWE-NET)

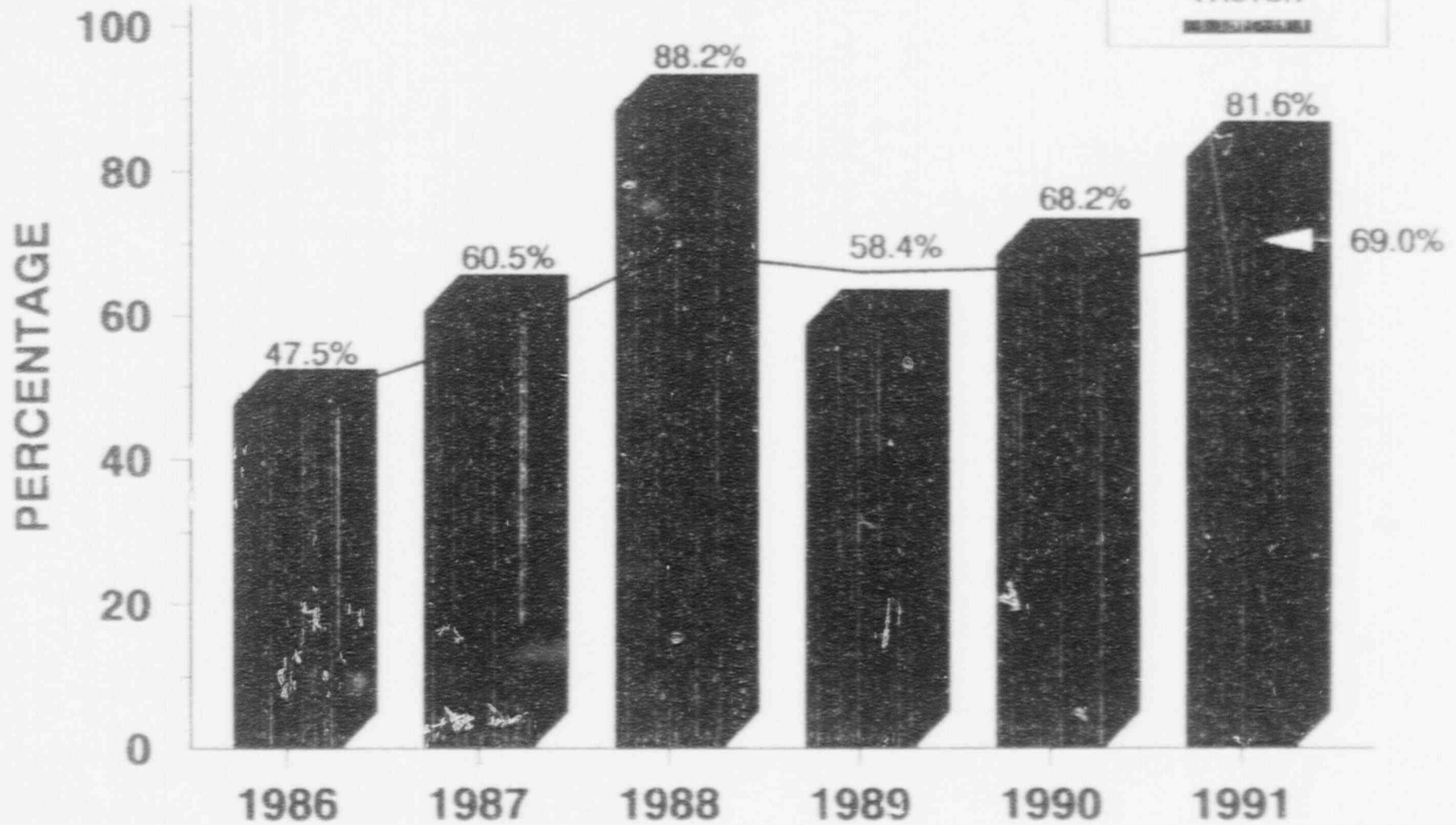
as of 02/29/92

POWER LEVEL

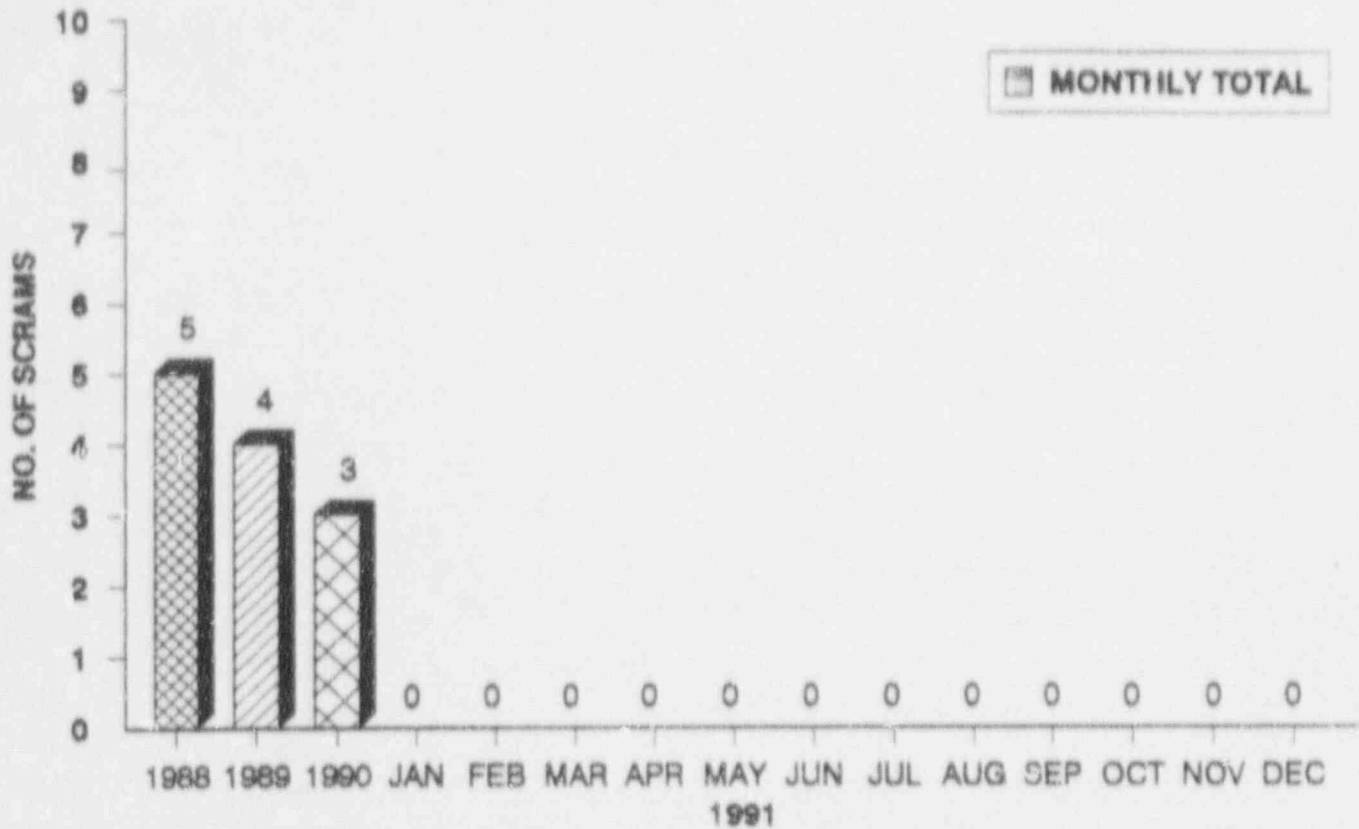


NET CAPACITY FACTOR

COMMERCIAL OPERATION TO DATE
6/16/86 thru 12/31/91



UNPLANNED AUTOMATIC REACTOR SCRAMS



NOTES: An Unplanned Automatic Reactor Scram is an automatic actuation of the reactor protection system that results in a scram signal at any time the unit is critical or synchronized to the electrical grid. Unplanned scrams while synchronized is a subset of unplanned scrams while critical.

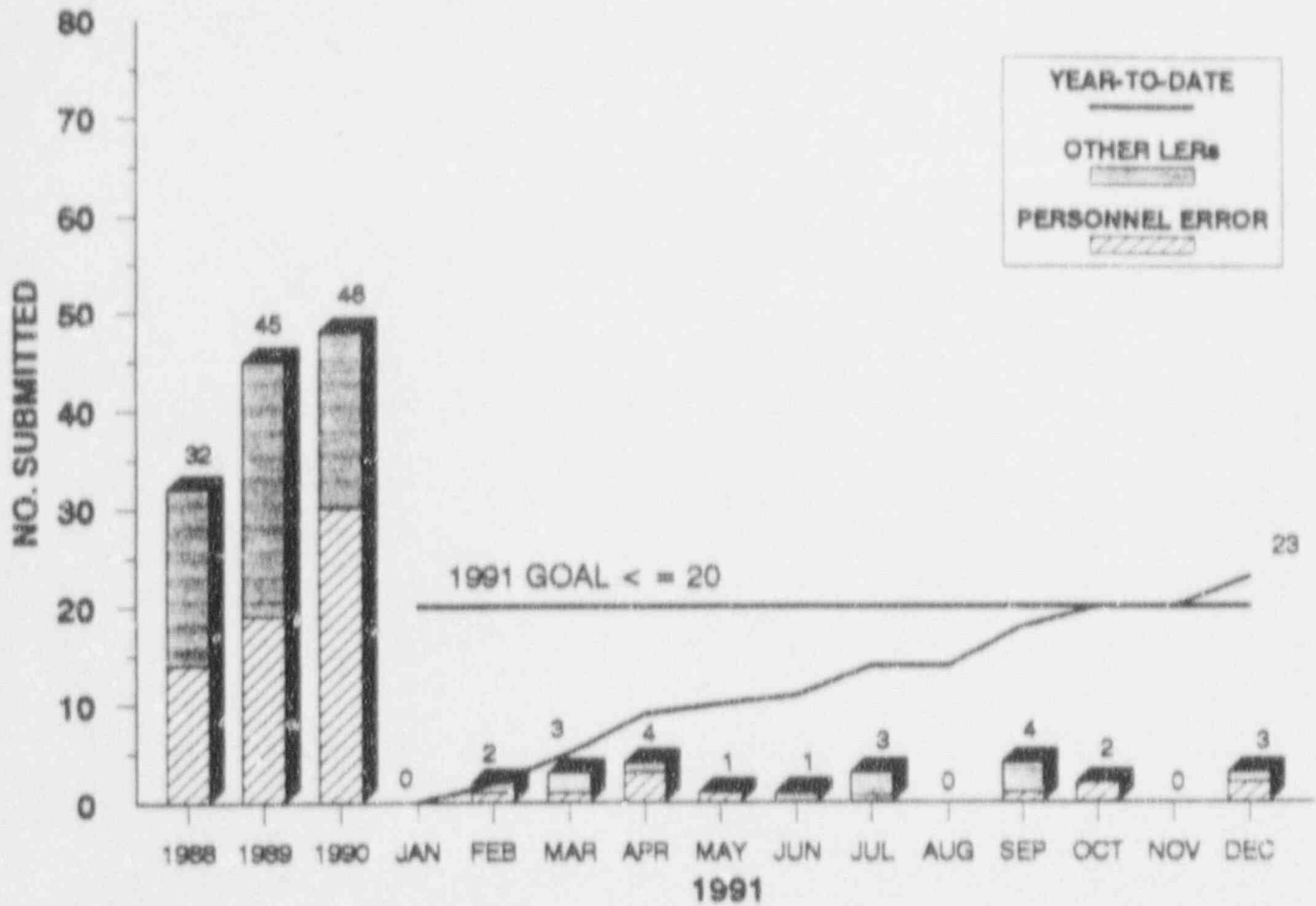
ADDITIONAL DATA:

	OCT	NOV	DEC	1991 YTD
Total Number of Unplanned Automatic Scrams while critical	0	0	0	0
Total Number of Unplanned Automatic Scrams while synchronized	0	0	0	0

INPO Unplanned Scrams per 7000 hours critical. 2.4
Based on last three years of operation.

GOAL: No more than 1 scram per 7000 hours of critical operation.

LICENSEE EVENT REPORTS STATUS



NOTES: This parameter trends the total number of LERs and the number of LERs attributed to personnel error identified during the month. Current month's statistics indicate LERs as they are identified in an initial Condition Report. They are subject to revision in next month's report.

ADDITIONAL DATA:

LERs	OCT	NOV	DEC	YTD
Total	2	0	3	23
Personnel Errors	2	0	2	11
Other LERs	0	0	1	12

GOAL: \leq 20/year

RADIOLOGICAL CONTROLS

- **MANAGEMENT OVERSIGHT**
 - HIGH RADIATION BARRIER CONTROL IMPROVEMENTS
 - RP SUPERVISOR PARTICIPATION IN GET
 - RP TECHNICIAN ASSIGNMENT TO MAINTENANCE PLANNING

- **SELF-ASSESSMENT**
 - RP SUPERVISOR FIELD OBSERVATION
 - RP PARTICIPATION IN MAINTENANCE FIELD OBSERVATION
 - RP INCIDENT REPORTING PROGRAM

- **INDIVIDUAL ACCOUNTABILITY IMPROVEMENTS**
 - DEMONSTRATE KNOWLEDGE OF SURVEY INFORMATION
 - RCA ENTRY POINT CONTROLS
 - CROSS TRAINING OF MAINTENANCE PERSONNEL
 - IMPROVED GET-RP TRAINING

- **EXPOSURE AND CONTAMINATION CONTROL**
 - 71 PERSONNEL CONTAMINATIONS (GOAL OF 100)
 - 128 MAN-REM (5 OUTAGES)
 - CAMERAS USED FOR REMOTE MONITORING TO REDUCE EXPOSURE
 - SURROGATE TOUR PROGRAM

- **SOURCE TERM REDUCTION**

RADIOLOGICAL CONTROLS

HIGH RADIATION/VERY HIGH RADIATION AREAS

REFERENCE: NRC SALP REPORT

OBJECTIVE: Improve employee adherence to radiological work practices.

GOALS: Reduce worker non-compliance in the areas of unauthorized entry into high radiation areas, maintenance of and respect for radiation protection barriers and rope, and staff understanding of radiation protection policies and procedures.

RESPONSIBILITY: Each worker has an individual responsibility to comply with and conduct work in accordance with good Radiological Work Practices.

MONITORING: The Supervisors will monitor and correct these basic violations, and trend occurrences via curves for the Plant Manager's monthly meeting.

ACTION PLAN:

1. Test and continue to test personnel on HR/VHR area requirements via increased emphasis in the GET tests. (ONGOING)
2. Each shift check High Radiation area roped boundaries. (ONGOING)
3. Assemble a Task Force to review the barrier violation problem and recommend action. (COMPLETE)
4. Develop a standard and expectation policy for posting radiologically controlled areas. (COMPLETE)
5. Identify all situations where a physical barrier can be installed. (COMPLETE)
6. Purchase new stanchions and fasteners to provide a more professional appearance to zones. (COMPLETE)
7. Build barricades to replace ropes and install where feasible. (COMPLETE)

8. Check individual's knowledge when entering the RCA. (ONGOING)
9. Plant Manager issue memorandum discussing barrier problem violation with all personnel. (COMPLETE)
10. Conduct monthly operability checks of High Radiation doors. (ONGOING)
11. Lock all high radiation areas that can be locked. (COMPLETE)
12. Re-survey and de-post areas that are not high radiation areas. (COMPLETE)
13. Install "STOP - Tech. Spec. Monitoring Required" signs. (COMPLETE)
14. Plant Manager memo to all Supervisors stressing their responsibility and involvement in preventing barrier violation problems. (COMPLETE)
15. During an outage situation utilize continuous surveillance of high traffic high radiation/very high radiation zones, where practical.
16. In addition to regular Radiation Protection Foreman tours, Radiation Protection and Maintenance Management will make tours twice weekly to observe and critique work in the RCA. An additional weekly tour will be held with Operations or System Engineering. (ONGOING)
17. Foreman will as a part of the Work Package Briefing discuss the radiation protection aspects of the task with the maintenance crew. (ONGOING) (ADM-0023, REV. 10, SECTION 4.9)
18. Develop and implement monitoring policy for food stuff, etc. entering the RCA. (ONGOING)
19. Implementing signature accountability for workers entering the RCA to assure individual responsibilities are understood. (ONGOING)

20. Plant Manager will have meetings with all Radiation Protection employees to reaffirm their authority and accountability for enforcing good Radiation Protection work practices. (COMPLETE)
21. Evaluate and implement GET II training improvements. (COMPLETE)
22. Implement a Radiological Occurrence Report to identify and track radiological concerns. (12/31/91)

MAINTENANCE/SURVEILLANCE

- **MAINTENANCE PERFORMANCE SUMMARY**
 - NO SCRAMS CAUSED BY MAINTENANCE ACTIVITY
 - NO ESFs CAUSED BY LIFTED LEAD ERRORS
 - IMPROVED MAINTENANCE PERFORMANCE OF MWOs, PMs, STPs

- **MANAGEMENT OVERSIGHT/SELF-ASSESSMENT**
 - MAINTENANCE MANAGEMENT FIELD OBSERVATION PROGRAM
 - IMPLEMENTATION OF THE (STAR) SELF CHECKING PROGRAM
 - PREVENTATIVE MAINTENANCE PROGRAM IMPROVEMENTS
 - MAINTENANCE TRAINING PROGRAM IMPROVEMENTS
 - STP SCHEDULING IMPROVEMENTS

EMERGENCY PREPAREDNESS

- **FACILITY IMPROVEMENTS**
 - REMODELED ALTERNATE EOF
 - REPLACED FACILITY PHONES
 - UPDATED STATUS BOARDS
 - INSTALLED A SYNCHRONIZED TIME SYSTEM
 - DEVELOPED BRIEFING AND DEBRIEFING FORMS
 - USE OF VIDEO SYSTEM IN TSC/OSC

- **PROCEDURAL IMPROVEMENTS**
 - EMERGENCY CLASSIFICATION PROCEDURE
 - REVISED EMERGENCY IMPLEMENTING AND PLANNING PROCEDURES TO INCLUDE COMMITMENTS

- **COMMAND AND CONTROL IMPROVEMENTS**
 - COMMAND AND CONTROL REVIEW BOARD
 - EP BULLETINS

- **1992 EVALUATED EXERCISE**

SECURITY

- **MANAGEMENT OVERSIGHT**
 - SECURITY HARDWARE IMPROVEMENTS
 - VIDEO CAPTURE SYSTEM
 - FIBER OPTIC INTRUSION DETECTION SYSTEM
 - PROTECTED AREA EXTENSION FOR OUTAGE
 - TRAINING IMPROVEMENTS
 - OBSTACLE/CONFIDENCE COURSE
 - INDOOR SHOOTING SIMULATOR
 - FIRE ARMS TRAINING SYSTEM
 - QUARTERLY SENIOR MANAGEMENT BRIEFING
 - VISITOR ESCORT IMPROVEMENTS
- **SELF-ASSESSMENT**
 - SECURITY AUDIT EXCHANGE PROGRAM
 - PROCEDURE REVIEW TASK FORCE
 - PERFORMANCE BASED AUDITS BY QUALITY ASSURANCE
- **CONTRACTOR PROCESSING CENTER**

SECURITY PERFORMANCE IMPROVEMENTS

	<u>1990</u>	<u>1991</u>	<u>JAN</u> <u>1992</u>
NRC RECORDABLE HUMAN ERROR EVENTS	375	158	
SECURITY CONDITION REPORTS	18	6	
SECURITY PROCEDURAL ERRORS	467	207	
SECURITY OFFICER SHOTGUN QUALIFICATION	--	AVG 42.4 (OUT OF 72)	AVG 70.2 (OUT OF 72)
AVERAGE HANDGUN SCORE	246/300	260/300	

ENGINEERING/TECHNICAL SUPPORT

- **PERFORMANCE MONITORING PROGRAM IMPROVEMENTS**
 - SAFETY SYSTEM UNAVAILABILITY MONITORING
 - HEAT RATE MONITORING PROGRAM
 - TRENDING CAPABILITY IMPROVEMENTS
 - PREDICTIVE MAINTENANCE AND RELIABILITY ENGINEERING
- **SYSTEM ENGINEERING CERTIFICATION**
- **PROBABILISTIC RISK ASSESSMENT ACTIVITIES**
- **MAINTENANCE OF SAFETY RELATED EQUIPMENT (EQMSR PROGRAM)**
- **ENGINEERING ANALYSIS SUPPORT OF PLANT ACTIVITIES**
 - LER SAFETY ASSESSMENT
 - DECISION MAKING FOR PLANT OPERATION AND DESIGN
- **MODIFICATION PROCESS IMPROVEMENTS**

- **TECHNICAL IMPROVEMENTS**

- MOV TESTING PROGRAM (GENERIC LETTER 89-10)
- RECIRCULATION PUMP SHAFT INVESTIGATION
- SERVICE WATER SYSTEM
- SOURCE TERM REDUCTION
- FEEDWATER NOZZLE REPAIR

- **DOCUMENT IMAGING SYSTEM**

- INCREASED EFFICIENCY AND ACCURACY OF RECORDS MANAGEMENT
- INCREASED DOCUMENT AVAILABILITY
- REDUCED SATELLITE DOCUMENT STATIONS
- RED-LINED DRAWING AVAILABILITY TO ENTIRE PLANT
- ACCURACY AND TIMELINESS OF ISSUING DOCUMENTS

TRAINING

- **INCREASED TRAINING STAFF**
 - 2 OPERATIONS INSTRUCTORS
 - 2 MAINTENANCE INSTRUCTORS
 - 2 INSTRUCTIONAL TECHNOLOGIST
 - 1 PLANNER/SCHEDULER

- **TRAINING MATERIALS UPDATED**
 - TASK ANALYSIS FOR MAINTENANCE AREA
 - SIMULATOR SCENARIOS
 - TRAINING SYSTEM HANDOUTS

- **INTENSIFIED LINE MANAGEMENT INVOLVEMENT IN TRAINING ACTIVITIES**
 - MONITORING OF ACTIVITIES
 - TRAINING REVIEW GROUPS

- **INITIATED UPGRADE OF SIMULATOR HARDWARE AND SOFTWARE TO BE COMPLETE BY 1995**

- **AUGMENTED TRAINING STAFF**

SAFETY ASSESSMENT/QUALITY VERIFICATION

- QA PERFORMANCE BASED AUDITS/SURVEILLANCES
- ROOT CAUSE ANALYSIS PROGRAM
- QA SAFETY SYSTEM FUNCTIONAL INSPECTIONS
 - CHAIRMAN OF BWR 6 OWNERS GROUP COMMITTEE ON SSFI
- SHUTDOWN RISK ASSESSMENT
- NUCLEAR SAFETY ASSESSMENT GROUP REPORTS
- EXECUTIVE SUMMARY REPORT
- LICENSE AMENDMENT PROCESS IMPROVEMENTS
 - LICENSING INVOLVEMENT EARLY IN MODIFICATION PROCESS
 - INDEPENDENT REVIEW PRIOR TO SUBMITTAL