



UNITED STATES
NUCLEAR REGULATORY COMMISSION

REGION IV

611 RYAN PLAZA DRIVE, SUITE 400
ARLINGTON, TEXAS 76011-8064

May 10, 1994

MEMORANDUM FOR: Distribution

FROM: A. Bill Beach, South Texas Project (STP)
Restart Panel Chairman

SUBJECT: STP RESTART PANEL MEETING NOTES

Attached are the Meeting Notes for the STP Restart Panel Meeting conducted on May 4, 1994, in the NRC resident office at the STP site.

/s/

A. Bill Beach
Panel Chairman

cc via E-mail:

J. Callan	J. Montgomery
P. Gwynn	A. Howell
D. Chamberlain	W. Johnson
D. Loveless	S. Black
L. Kokajko	B. Beach
C. Hackney	J. Gilliland
G. Sanborn	R. Wise
D. Skay	J. Mitchell
S. Collins	W. Jones (hard copy also)

RIV:C:DRP/A
WDJohnson;df
5/10/94

D:DRP
ABBeach
5/10/94

STP REVIEW PANEL

MEETING NOTES - May 4, 1994

ATTENDEES

- # A. B. Beach, Panel Chairman
 - # T. P. Gwynn, Director, DRS
 - # W. Johnson, Chief, Project Branch A
 - # D. Chamberlain, Acting Director, DRSS
 - * W. Jones, Project Engineer
 - * D. Skay, NRR
 - # L. Kokajko, Senior Project Manager, NRR
 - * R. Wise, Senior Allegation Coordinator
 - A. Bryant, NRR
 - J. Rajan, NRR
 - P. Goldberg, Reactor Inspector
 - # D. Loveless, Senior Resident Inspector
 - * J. Gilliland, Public Affairs Officer
- # Panel Members
- * Participated by telecon

PANEL SUBJECTS

- Allegation Status

Russ Wise reviewed the status of the open allegations related to STP.

- Standby Diesel Generator Inspection Status

Paula Goldberg discussed the ongoing inspection of SDG issues, including SDG 21 inadvertent autostarts, SDG 22 broken fuel injection pump studs, and SDG 22 piston failure. DRS will review the system certification package for the SDGs when the package is complete.

- DRP Restart Inspection Planning

Bill Johnson reviewed the status and plans for inspections for Restart Issues 1, 4, 6, 12, 13, 14, and 15.

1. TDAFW - Surveillance testing to be performed in Mode 3 prior to restart. Resident inspectors to monitor.
4. PMT - Phil Ray from the Special Inspection Branch will assist in this area during the week of May 9.
6. Operations Staffing - This effort is underway.
12. Essential Chillers - This effort is underway.

13. System Certification - This effort is underway, including a CVCS system walkdown.
14. FWIV Bypass Valves - Resident inspectors will verify successful completion of postmodification testing when testing is performed in Mode 3.
15. Tornado Dampers - This effort is underway.

- DRS Inspection Planning and Status

Pat Gwynn reviewed the status of Restart Issues 2, 3, 5, 8, and 9.

2. SPRs - This is scheduled for May 9.
3. SRs - This is scheduled for May 9.
5. Engineering Backlogs - This is scheduled for May 9.
8. Fire Protection - This inspection was completed on April 29, 1994. The results were satisfactory. The Panel agreed that Restart Issue 8 was resolved for restart of Unit 2.
9. Management - This is scheduled for May 9.

- Augmented Restart Coverage

The Panel discussed the Augmented Restart Coverage Plan for Unit 2. The plan includes 24-hour coverage of plant activities during startup and power ascension. Inspectors from other sites and NRC offices will augment the resident inspectors for this effort.

- Next Panel Meeting

The next Panel meeting will be scheduled prior to the public meeting held to review CAL issues before restart. The licensee's best estimate at this time for the date of this meeting is May 17.

- Status of Panel Action Items

- Items from past meetings:

- Perform an internal audit of the RIV STP Restart File - Jones
- Bill Johnson will include the Panel Assessment of Licensee Performance in the next resident inspection report.
- (Closed) DRP will meet with the DRS branch chiefs to plan the necessary team inspection.

- New Item:

- DRS will review the system certification package for the SDGs when the package is complete.



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MEMORANDUM FOR: Distribution

FROM: A. Bill Beach, South Texas Project (STP)
Restart Panel Chairman

SUBJECT: STP RESTART PANEL MEETING NOTES

Attached are the Meeting Notes for the STP Restart Panel Meeting conducted on May 17, 1994, in the NRC resident office at the STP site.

A. Bill Beach
Panel Chairman

cc via E-mail:

J. Callan	J. Montgomery
P. Gwynn	A. Howell
D. Chamberlain	W. Johnson
D. Loveless	S. Black
L. Kokajko	B. Beach
C. Hackney	J. Gilliland
G. Sanborn	R. Wise
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STP REVIEW PANEL

MEETING NOTES - May 17, 1994

ATTENDEES

- # A. B. Beach, Panel Chairman
- #* T. P. Gwynn, Director, DRS
- # W. Johnson, Chief, Project Branch A
- # S. Collins, Director, DRSS
- * W. Jones, Project Engineer
- D. Skay, NRR
- # S. Black, Director, PDIV-2, NRR
- #* L. Kokajko, Senior Project Manager, NRR
- * R. Wise, Senior Allegation Coordinator
- # D. Loveless, Senior Resident Inspector
- * C. Hackney, Regional State Liaison Officer
- * G. Sanborn, Enforcement Officer
- * J. Tapia, Reactor Inspector

- # Panel Members
- * Participated by telecon

PANEL SUBJECTS

- Allegation Status

Russ Wise reviewed the status of the open allegations related to STP. None of the open allegations involved issues which were necessary to be addressed prior to restart of Unit 2.

- Enforcement Status

Gary Sanborn reviewed the open enforcement actions for the South Texas Project. None of the open items involved issues which were necessary to resolve prior to restart of Unit 2.

- Restart Action Plan Review

The Panel reviewed the Restart Action Plan for Unit 2 and discussed each remaining restart issue. This portion of the meeting was held in two parts. A portion of the meeting was held before the public meeting and the remainder of the meeting was held after the public meeting in which the licensee presented the status of the restart issues. All of the issues were determined to be resolved to a sufficient extent to support Unit 2 restart. The Panel reviewed the Restart Action Plan checklists to ensure that the required concurrences for restart were obtained and notifications of pending restart approval were made. Bill Johnson will review the open items from Inspection Report 9331 to determine whether any of the open items represent restart issues. At the end of the second portion of this meeting the Panel recommended to the Regional Administrator that he approve

the restart of Unit 2. Panel members concurred in a draft letter to the licensee which released the CAL.

- Augmented Restart Coverage

The Panel discussed the Augmented Restart Coverage Plan for Unit 2. The plan includes 24-hour coverage of plant activities during startup and power ascension. Inspectors from other sites and NRC offices will augment the resident inspectors for this effort.

- Status of Panel Action Items

- Items from past meetings:

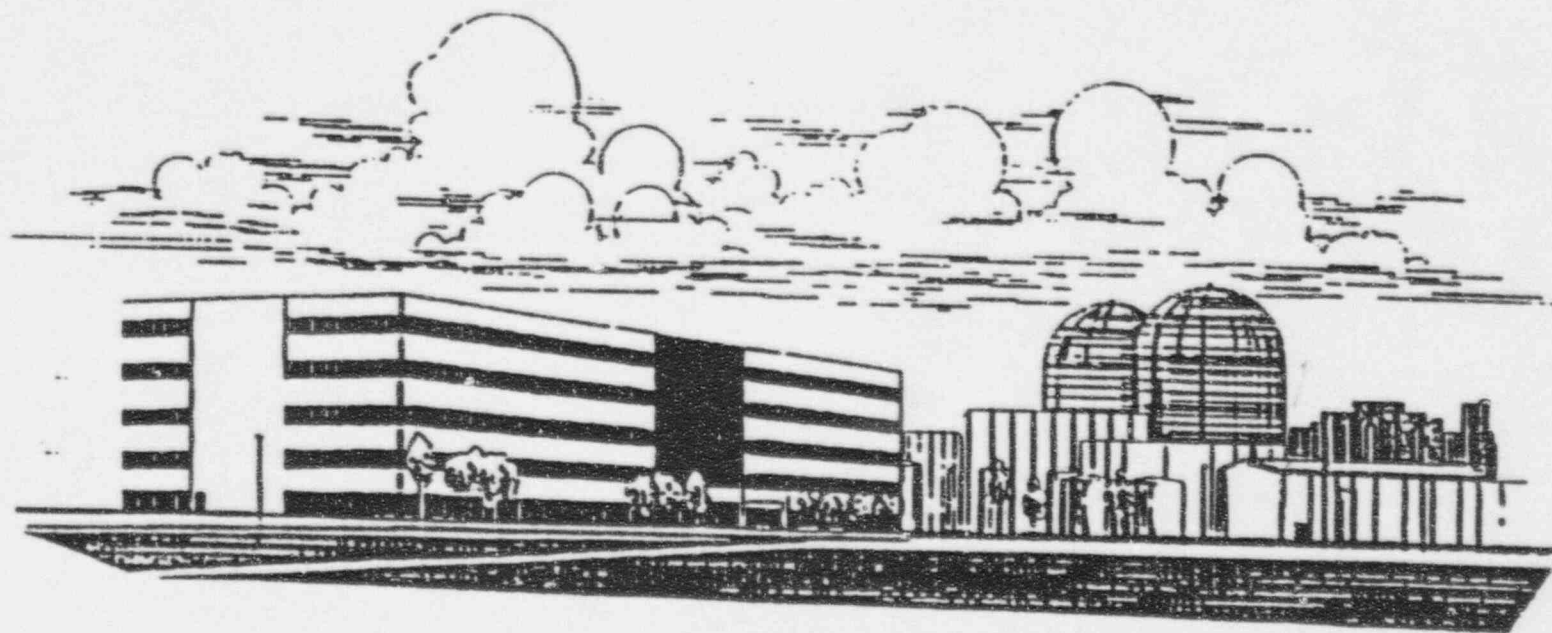
- Perform an internal audit of the RIV STP Restart File - Jones. This is in progress.
- (Closed) Bill Johnson will include the Panel Assessment of Licensee Performance in the next resident inspection report. Input has been provided.
- (Closed) DRS will review the system certification package for the SDGs when the package is complete.

- New Item:

- (Closed) Bill Johnson will review the open items from Inspection Report 9331 to determine whether any of the open items represent restart issues. This item was completed on May 17, 1994.

APPENDIX A

SOUTH TEXAS PROJECT DIAGNOSTIC EVALUATION TEAM FINDINGS



SOUTH TEXAS PROJECT ELECTRIC GENERATING STATION

June 3, 1993

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SELECTION OF SOUTH TEXAS BASED ON

- **DECLINE IN PERFORMANCE IN THE LAST TWO SALP REPORTS**
- **REPETITIVE HARDWARE PROBLEMS**
- **SIGNIFICANT NUMBERS OF PERSONNEL ERRORS**
- **NUMBER OF RECENT MANAGEMENT CHANGES**
- **ORGANIZATIONAL PERFORMANCE PROBLEMS NOT WELL UNDERSTOOD**

DET GOALS AND OBJECTIVES

- **PROVIDE INFORMATION TO SUPPLEMENT OTHER ASSESSMENT DATA AVAILABLE TO NRC SENIOR MANAGEMENT**
- **EVALUATE LICENSEE MANAGEMENT INVOLVEMENT AND EFFECTIVENESS WITH RESPECT TO SAFE PLANT OPERATION**
- **EVALUATE THE EFFECTIVENESS OF THE LICENSEE'S IMPROVEMENT PROGRAMS AND PLANS**
- **DETERMINE THE ROOT CAUSES OF SAFETY-RELATED EQUIPMENT AND PERFORMANCE PROBLEMS**

DET METHODOLOGY

- **15-MEMBER TEAM: 3-OPS, 4-M&T, 4-ENG, 4-M&O**
- **5-WEEK EVALUATION: 3 WEEKS ON-SITE, 2 WEEKS IN-OFFICE**
- **OVER 140 INTERVIEWS CONDUCTED FROM COB/CEO TO RPO**
- **3 DAYS OF NEAR ROUND-THE-CLOCK CR OBSERVATION**
- **INDEPTH REVIEW OF 4 SYSTEMS**

OPERATIONS WEAKNESSES

- **MARGINAL OPS STAFFING LEVEL CONSIDERING WORKLOAD**
- **POOR SITE SUPPORT TO OPERATIONS**
- **CONFLICTING MANAGEMENT EXPECTATIONS AND POLICIES**
- **INCONSISTENT OPERATOR PERFORMANCE**
- **INEFFECTIVE PROBLEM IDENTIFICATION AND RESOLUTION**

OPERATIONS

POSITIVE OBSERVATIONS

- **DEDICATION**
- **CONTROL BOARD AWARENESS**
- **SHIFT TURNOVERS**
- **RADIOLOGICAL HOUSEKEEPING**

MAINTENANCE AND TESTING WEAKNESSES

- **INEFFECTIVE CORRECTIVE MAINTENANCE**
- **PREVENTIVE MAINTENANCE PROGRAM LESS THAN FULLY EFFECTIVE**
- **MAINTENANCE TRAINING DEFICIENCIES**
- **DEFICIENCIES IN THE REPLACEMENT PARTS PROGRAM**
- **INSUFFICIENT SUPPORT TO MAINTENANCE**

MAINTENANCE AND TESTING WEAKNESSES (Continued)

- **INEFFICIENT WORK CONTROL PROCESS**
- **POST MAINTENANCE TESTING NOT ALWAYS EFFECTIVE**
- **PERIODIC TESTING NOT ALWAYS EFFECTIVE**

MAINTENANCE AND TESTING POSITIVE OBSERVATIONS

- **QUALITY OF MAINTENANCE FACILITIES**
- **TECHNICAL SUPPORT ENGINEER POSITION**
- **GENERAL MAINTENANCE SUPERVISOR POSITION**

ENGINEERING SUPPORT WEAKNESSES

- **WEAK SUPPORT IN RESOLVING PLANT PROBLEMS**
- **SYSTEM ENGINEERING PROGRAM NOT EFFECTIVELY IMPLEMENTED**
- **ENGINEERING BACKLOGS WERE LARGE, POORLY TRACKED, AND NOT WELL MANAGED**
- **USE OF OPERATIONAL EXPERIENCES WAS INADEQUATE**
- **INSUFFICIENT SUPPORT TO ENGINEERING**

ENGINEERING SUPPORT WEAKNESSES (Continued)

- **CONFIGURATION CONTROL WEAKNESSES**
- **ESSENTIAL CHILLED WATER SYSTEM DESIGN, MAINTENANCE, AND TESTING ISSUES CHALLENGE OPERABILITY**
- **UNTIMELY RESOLUTION OF FIRE PROTECTION ISSUES**

ENGINEERING SUPPORT POSITIVE OBSERVATIONS

- **TECHNICAL SUPPORT ENGINEERS**
- **DESIGN BASIS DOCUMENTATION PROGRAM**

MANAGEMENT AND ORGANIZATION WEAKNESSES

- **INEFFECTIVE MANAGEMENT DIRECTION AND
OVERSIGHT**
- **POOR SUPPORT AND RESOURCE UTILIZATION**
- **COMMUNICATIONS AND TEAMWORK WERE WEAK**
- **INEFFECTIVE CORRECTIVE ACTION PROCESS**
- **INEFFECTIVE UTILIZATION OF SELF ASSESSMENT
AND QUALITY OVERSIGHT FUNCTIONS**
- **INADEQUATE INFORMATION SYSTEMS**

MANAGEMENT AND ORGANIZATION POSITIVE OBSERVATIONS

- **RECENT MASTER OPERATING PLAN IMPROVEMENTS**
- **RECENT MANAGEMENT AND ORGANIZATIONAL CHANGES, COMPLETED AND UNDERWAY**

ROOT CAUSES

- **FAILURE OF MANAGEMENT TO PROVIDE ADEQUATE SUPPORT**
- **INEFFECTIVE MANAGEMENT DIRECTION AND OVERSIGHT**
- **FAILURE TO EFFECTIVELY UTILIZE SELF-ASSESSMENT AND QUALITY OVERSIGHT FUNCTIONS**
- **INEFFECTIVE ROOT CAUSE/CORRECTIVE ACTION PROCESS**