



South Texas Project Electric Generating Station P.O. Box 289 Wadsworth, Texas 77483

May 15, 2000
NOC-AE-00000853
STI: 31106430
FILE NO: Z18
ER 20000086
10CFR50.4(b)(5)
10CFR50 App E

U. S. Nuclear Regulatory Commission
Attention: Document Control Desk
Washington, DC 20555

STP NUCLEAR OPERATING COMPANY
Units 1 and 2
Docket Nos. STN 50-498; STN 50-499
Changes to Emergency Plan Implementing Procedure

In accordance with 10CFR50.4(b)(5) and 10CFR50, Appendix E, Section V, the STP Nuclear Operating Company hereby submits the attached revision of two (2) Emergency Plan Implementing Procedures.

If there are any questions regarding this matter, please contact Mr. Fred Puleo at (361) 972-8697 or myself at (361) 972-8053.

A handwritten signature in black ink, appearing to read "P. L. Serra".

P. L. Serra
Manager, Plant Protection

FJP/mk

Enclosure: Letter of Receipt
Summary of Changes
0ERP01-ZV-TS07, Technical Manager, Revision 4
0ERP01-ZV-TS11, Engineering Supervisor, Revision 2

NRR-037

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NOC-AE-00000853
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Page 2

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**Summary of Changes for
Technical Manager
0ERP01-ZV-TS07, Rev. 4**

This revision does not reduce the effectiveness nor change the intent of the procedure as described within the Emergency Plan.

The major changes made to the Technical Manager procedure are format changes to combine the Alert, Site Area Emergency, General Emergency, Recovery, and Termination Checklists into one that can be used for all emergency levels. The change is to simplify use and remove redundant instructions.

Other changes are noted in the table and were made as administrative and clarifying changes.

The content changes are:

- Changed Procedure usage to N/A to comply with procedure 0PGP05-ZV-0004, Emergency Plan Implementing Procedure Users Guide.
- The procedure has been converted to Microsoft Word.
- Reformatted procedure into a Word97 Document.
- Editorial and clarifying changes.

The changes are noted in the following table:

Change No.	Change to Revision 3	Reason
1.	Table of Contents Deleted Data Sheet 2, 3, 4, and 5.	Combined into one checklist (Technical Manager Checklist) to clarify responsibilities and simplify use of the procedure.
2.	Split Step 2.1.1 into two steps 2.1.1 and 2.1.2.	Clarification of statement, editorial change.
3.	Step 2.1.4, Changed ERFDADS to ICS/ERFDADS.	Editorial, equipment change.
4.	Added Section 3.0 Precautions and Limitations.	Clarifies who and when the TSC may be activated.
5.	New Section 4.0 References, added 0PGP05-ZV-0004, Emergency Plan Implementing Procedure Users Guide.	Procedure describes Usage.
6.	New Section 4.0 References, deleted 0ERP01-ZV-IN02, Notifications to	Not referenced in this procedure.

**Summary of Changes for
Technical Manager
0ERP01-ZV-TS07, Rev. 4**

Change No.	Change to Revision 3	Reason
	Offsite Agencies.	
7.	New Section 4.0 References, added OPEP02-ZG-0007, Post Accident Failed Fuel Guidelines	Referenced in procedure.
8.	New Section 4.0 References, added OPGP04-ZO-0007, Aircraft Crash Onsite	Referenced in procedure.
9.	New Section 4.0 References, added LCTS 9101252-936.	Referenced in procedure.
10.	Revised New Section 5.0 Procedure, to account for incorporated checklists.	Support the combined checklist format.
11.	Revised New Section 6.0 Support Documents.	Revised to match table of contents.
12.	Addendum 1 Shift Turnover Briefing, moved to ahead of Data Sheets and Forms.	Editorial change so it will comply with OPGP03-ZA-0039, Plant Procedure Writer's Guide.
13.	New Data Sheet 1, Step 1.3, Ensure the Technical Manager telephone has a dial tone.	Ensure communications equipment is operational.
14.	New Data Sheet 1, Step 1.10, Determine the need to deviate from plant procedures as per 10CFR50.54(x), and inform the TSC Manager.	Direction to maintain 50.54(x) evaluations.
15.	New Data Sheet 1, Step 5.1, Assist the Control Room in implementing procedure OPGP04-ZO-0007, Aircraft Crash Onsite.	Change direction from performing function to assisting the Control Room.
16.	Form 1, Step 3.0, Changed Cont. to RCB.	Editorial Change.

- END -

**Summary of Changes for
Engineering Supervisor
0ERP01-ZV-TS11, Rev. 2**

This revision does not reduce the effectiveness nor change the intent of the procedure as described within the Emergency Plan.

The major changes made to the Engineering Supervisor procedure are format changes to combine three checklists into one. The change is to simplify use and remove redundant instructions.

The content changes are:

- Changed Procedure usage to N/A to comply with procedure 0PGP05-ZV-0004, Emergency Plan Implementing Procedure Users Guide.
- Reformatted procedure into a Word97 Document.

The changes are noted in the following table:

Change No.	Change to Revision 1	Reason
1.	Table of Contents Combined Data Sheet 1, 2, and 3.	Combined into one checklist to clarify responsibilities and simplify use of the procedure.
2.	New Section 3.0 References, added 0PGP05-ZV-0004, Emergency Plan Implementing Procedure Users Guide and 0ERP01-ZV-IN01, Emergency Classification.	Used to write this procedure.
3.	Revised New Section 4.0 Procedure, to account for combined checklists.	Support the combined checklist format.
4.	Addendum 1 Shift Turnover Briefing, moved ahead of Data Sheet.	Editorial change so it will comply with 0PGP03-ZA-0039, Plant Procedure Writer's Guide.
5.	New Data Sheet 1, Engineering Supervisor Checklist.	Support the combined checklist format.
6.	New Data Sheet 1, Step 3.1.1, changed ALNOR to electronic dosimeter.	Changed to a generic title of an electronic dosimeter system.
7.	New Data Sheet 1, Step 4.1, Determine the need to deviate from plant procedures as per 10CFR50.54(x), and inform the Technical Manager.	Direction to maintain 50.54(x) evaluations.

- END -

SOUTH TEXAS PROJECT ELECTRIC GENERATING STATION

D0527

O:\PROCEDURES\APPROVED\ERP01\0ZVTS07.04x Effective Date: 05/08/00 Print Time / Date: 9:59 AM 5/8/00		0ERP01-ZV-TS07		Rev. 4	Page 1 of 11
Technical Manager					
Quality	Non Safety-Related	Usage: N/A	Effective Date: 05/08/00		
Max Keyes	N/A	N/A	Emergency Response Division		
PREPARER	TECHNICAL	USER	COGNIZANT ORGANIZATION		

Table of ContentsPage

1.0	Purpose and Scope	2
2.0	Responsibilities	2
3.0	Precautions and Limitations	2
4.0	References	2
5.0	Procedure.....	3
6.0	Support Documents.....	3
	Addendum 1, Shift Turnover Briefing	4
	Data Sheet 1, Technical Manager Checklist	5
	Form 1, TSC Manager Briefing Sheet	11

Technical Manager**1.0 Purpose and Scope**

- 1.1 This procedure specifies the actions to be completed by the Technical Manager in the Technical Support Center (TSC) during a declared emergency.
- 1.2 This procedure implements the requirements of the South Texas Project Electric Generating Station (STPEGS) Emergency Plan specific to the Technical Manager.

2.0 Responsibilities

- 2.1 The Technical Manager is responsible for:
 - 2.1.1 Monitoring the status of plant systems.
 - 2.1.2 Identifying potential failures of key systems.
 - 2.1.3 Monitoring the status of the three fission product barriers (fuel cladding, reactor coolant system, and containment).
 - 2.1.4 Evaluating vital station parameters on ICS/ERFDADS or from backup sources as required.
 - 2.1.5 Evaluating Emergency Action Levels against current plant conditions including Emergency Operating Procedures and Off Normal Operating Procedures in effect.
 - 2.1.6 Assisting in the determination of priorities for repair efforts.
 - 2.1.7 Assigning activities to the Engineering Supervisor and staff.

3.0 Precautions and Limitations

- 3.1 The Technical Support Center will be activated when an Alert or higher classification has been declared in accordance with Procedure 0ERP01-ZV-IN01, Emergency Classification, or when instructed by the Emergency Director.

4.0 References

- 4.1 STPEGS Emergency Plan
- 4.2 OPGP05-ZV-0004, Emergency Plan Implementing Procedure Users Guide
- 4.3 0ERP01-ZV-IN01, Emergency Classification

Technical Manager

- 4.4 0PGP04-ZO-0007, Aircraft Crash Onsite
- 4.5 0POP05-EO-F001, Subcriticality Critical Safety Function Status Tree
- 4.6 0POP05-EO-F002, Core Cooling Critical Safety Function Status Tree
- 4.7 0POP05-EO-F003, Heat Sink Critical Safety Function Status Tree
- 4.8 0POP05-EO-F004, Integrity Critical Safety Function Status Tree
- 4.9 0POP05-EO-F005, Containment Critical Safety Function Status Tree
- 4.10 0POP05-EO-F006, Inventory Critical Safety Function Status Tree
- 4.11 0PEP02-ZG-0007, Post Accident Failed Fuel Guidelines
- 4.12 0ERP01-ZV-RE01, Recovery Operation
- 4.13 0ERP01-ZV-RE02, Documentation
- 4.14 LCTS 9101252-936, CR 91-762

5.0 Procedure

- 5.1 At an Alert or higher emergency notification or as directed by the Emergency Director, report to the affected Unit's Technical Support Center and implement Data Sheet 1, Step 1.0, Initial Activities.
- 5.2 Complete Checklist activities as follows:
 - 5.2.1 Use the right column to log the time an activity is performed.
 - 5.2.2 Reoccurring activities should be documented using the Emergency Action Log.
 - 5.2.3 Implement other activities as necessary, use checklists to help direct emergency activities.

6.0 Support Documents

- 6.1 Addendum 1, Shift Turnover Briefing
- 6.2 Data Sheet 1, Technical Manager Checklist
- 6.3 Form 1, TSC Manager Briefing Sheet

	0ERP01-ZV-TS07	Rev. 4	Page 4 of 11
Technical Manager			
Addendum 1	Shift Turnover Briefing		Page 1 of 1

- 1.0 Provide a briefing of the event to the relief person including the following areas:
 - 1.1 Basis of the current emergency classification and the EALs of importance.
 - 1.2 Status of the primary fission product barriers and critical safety systems, include core damage assessment, if in progress.
 - 1.3 Information on the status boards.
 - 1.4 Completed checklists & logs.
 - 1.5 Emergency Operating Procedures and Off Normal Operating Procedures that were initiated.
 - 1.6 Evaluations underway concerning deviations from Tech Specs or Plant Procedures.
 - 1.7 Recovery plans developed and corrective action items for plant recovery.
 - 1.8 Current shift schedule.
- 2.0 Inform the following of the transfer of responsibilities to the oncoming shift replacement.
 - 2.1 TSC Manager
 - 2.2 Technical Support Center Technical Staff
 - 2.3 NRC Counterpart
 - 2.4 EOF Technical Director
- 3.0 Update the Technical Support Center Staffing Board.
- 4.0 Document the time of turnover and the identity of your relief on your log and provide copies to your replacement. Provide the original log sheets to the Administrative Manager.
- 5.0 Verify your telephone number on the shift schedule. If the telephone number is inside the 10-mile EPZ, then provide an alternate telephone number for contact should evacuation of the EPZ be necessary.
- 6.0 Take a copy of your shift schedule.
- 7.0 Verify possession of a STPNOC picture badge for access through possible roadblocks when returning to site on the next shift or request a replacement picture badge from the Administrative Manager.
- 8.0 Inform the Security Manager of the shift change and sign out when leaving the Technical Support Center.

	0ERP01-ZV-TS07	Rev. 4	Page 5 of 11
Technical Manager			
Data Sheet 1	Technical Manager Checklist		Page 1 of 6

_____	_____	_____
(Name)	(Date)	(Unit)
ACTION	TIME	

1.0 INITIAL ACTIVITIES

- | | | |
|-------|--|-------|
| 1.1 | Report to the Technical Support Center of the affected Unit and sign in on the Staffing Board. | _____ |
| 1.2 | Ensure the Technical Manager's Emergency Response Manual is available. | _____ |
| 1.3 | Ensure the Technical Manager telephone has a dial tone. | _____ |
| 1.4 | Verify the following individuals have responded: | |
| 1.4.1 | Nuclear Engineer | _____ |
| 1.4.2 | Electrical Engineer | _____ |
| 1.4.3 | Mechanical Engineer | _____ |
| 1.4.4 | I&C Engineer | _____ |
| 1.4.5 | Technical Communicator | _____ |
| 1.4.6 | Technical Status Board Keeper | _____ |
| 1.4.7 | Engineering Supervisor | _____ |
| 1.5 | Direct the Administrative Manager to call out any of the above individuals as required. | _____ |

	0ERP01-ZV-TS07	Rev. 4	Page 6 of 11
Technical Manager			
Data Sheet 1	Technical Manager Checklist		Page 2 of 6

ACTION

TIME

1.6 Direct the Nuclear Engineer to perform the following:

1.6.1 Plot the following graphs for Fission Product Barrier Trending:

1.6.1.1 Containment Pressure

1.6.1.2 Highest Core Exit Thermocouple Temperature

1.6.1.3 Subcooling Margin

1.6.1.4 High Range Containment Radiation

1.6.1.5 Criticality

1.6.2 Monitor the Critical Safety Function Status Trees for:

1.6.2.1 Subcriticality (0POP05-EO-FO01)

1.6.2.2 Core Cooling (0POP05-EO-FO02)

1.6.2.3 Heat Sink (0POP05-EO-FO03)

1.6.2.4 Integrity (0POP05-EO-FO04)

1.6.2.5 Containment (0POP05-EO-FO05)

1.6.2.6 Inventory (0POP05-EO-FO06)

1.6.3 Perform core damage calculations using OPEP02-ZG-0007, Post Accident Failed Fuel Guidelines, whenever parameters indicate core damage may have occurred.

1.7 Direct the Electrical Engineer to review the status of electrical systems including:

1.7.1 Standby Diesel Generator Status

1.7.2 Offsite Power Availability

	0ERP01-ZV-TS07	Rev. 4	Page 7 of 11
Technical Manager			
Data Sheet 1	Technical Manager Checklist		Page 3 of 6

ACTION	TIME
1.7.3 Vital Instrumentation Power	_____
1.7.4 Vital D. C. Power	_____
1.8 Direct the Mechanical and I&C Engineers to review the status of systems which are out of service and their impact on the ability to maintain the plant in a safe condition.	_____
1.9 Discuss with the Engineering Supervisor, if available, the need to activate additional engineering personnel or Nuclear Steam Supply System (NSSS) and Architect Engineer (AE) support. Ensure adequate resources to support engineering activities are maintained.	_____
1.10 Determine the need to deviate from plant procedures as per 10CFR50.54(x), and inform the TSC Manager.	_____
2.0 ASSESSMENT ACTIVITIES	
2.1 Review the current technical parameters and 0ERP01-ZV-IN01, Emergency Classification, with the Technical Staff and the System Status Evaluator to confirm the correct Emergency Classification is declared. Determine the EALs which could cause an escalation and the conditions which must be met to Terminate or enter Recovery.	N/A
2.2 Evaluate plant parameters to determine if plant conditions are improving or worsening. Identify additional plant parameters which should be monitored by the Technical Staff.	N/A
2.3 Brief the TSC Manager, Operations Manager, and Assistant Technical Support Center Manager of the assessment.	N/A
3.0 EMERGENCY REPAIR ACTIVITIES	
3.1 When informed by the Maintenance Manager of the need to use a repair part which may not be fully qualified for use, perform an evaluation of the suitability for the repair part for its intended application. Evaluate the urgency of the repair, the time required to obtain a qualified part, and the possible consequence of the unqualified part failing in service.	N/A

	0ERP01-ZV-TS07	Rev. 4	Page 8 of 11
Technical Manager			
Data Sheet 1	Technical Manager Checklist		Page 4 of 6

ACTION	TIME
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4.0 SECURITY THREATS ACTIVITIES

- | | | |
|-------|---|-----|
| 4.1 | When informed of a bomb threat in the plant or acts of sabotage, assist the Security Manager and the Operations Manager in performing an evaluation of the consequences of the damage which may result/has resulted and any compensatory actions which should be taken. | N/A |
| 4.2 | Evaluate potential threats to plant systems: | |
| 4.2.1 | Possible critical targets | N/A |
| 4.2.2 | Contingency actions | N/A |
| 4.3 | Advise the TSC Manager and Security Manager of recommended additional security actions which should be taken to protect key equipment. | N/A |

5.0 AIRCRAFT CRASH ACTIVITIES

- | | | |
|-------|--|-----|
| 5.1 | Assist the Control Room in implementing procedure 0PGP04-ZO-0007, Aircraft Crash Onsite. | N/A |
| 5.1.1 | Assess the impact on current plant conditions | N/A |

6.0 EVACUATION OF THE TECHNICAL SUPPORT CENTER

- | | | |
|-----|---|-----|
| 6.1 | Collect your Emergency Response Manual, completed checklists, and logs. | N/A |
| 6.2 | Direct the Technical Staff to collect their logs and necessary documents. | N/A |
| 6.3 | Follow any special precautions issued by the Radiological Manager. | N/A |
| 6.4 | When directed by the TSC Manager, proceed to the unaffected Unit's Technical Support Center or Emergency Operations Facility. | N/A |

	0ERP01-ZV-TS07	Rev. 4	Page 9 of 11
Technical Manager			
Data Sheet 1	Technical Manager Checklist		Page 5 of 6

ACTION	TIME
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7.0 ONGOING ACTIVITIES

- | | | |
|-----|--|-----|
| 7.1 | Function as the primary Technical Support Center liaison with the NRC Operations Coordinator, Core Damage Assessor, and Reactor Systems Specialists. Ensure NRC personnel are cognizant of all information that is transmitted to NRC Headquarters. | N/A |
| 7.2 | Evaluate corrective actions planned by the Operations and/or Maintenance Manager(s) for returning systems or equipment to service when approved procedures do not exist or equipment will be operated in a less than fully operable condition. | N/A |
| 7.3 | Monitor Control Room implementation of Emergency Operating Procedures and/or Off Normal Operating Procedures via periodic briefings from the Operations Manager. | N/A |
| 7.4 | Periodically confer with the Technical Staff and System Status Evaluator to compare plant conditions versus the EALs in 0ERP01-ZV-IN01, Emergency Classification. Review the status of the three fission product barriers (fuel cladding, reactor coolant system, and containment) and verify the current Emergency Classification is still correct. | N/A |
| 7.5 | Periodically brief the TSC Manager on plant status using Form 1, TSC Manager Briefing Sheet. (LCTS 9101252-936) | N/A |
| 7.6 | Ensure adverse trends identified by the Technical Staff are reported to the TSC Manager and the Operations Manager. | N/A |

8.0 SHIFT CHANGE ACTIVITIES

- | | | |
|-----|--|-----|
| 8.1 | Upon arrival of your shift replacement, complete all actions listed in Addendum 1, Shift Turnover Briefing. Include the Technical Staff in the briefing. | N/A |
|-----|--|-----|

	0ERP01-ZV-TS07	Rev. 4	Page 10 of 11
Technical Manager			
Data Sheet 1	Technical Manager Checklist		Page 6 of 6

ACTION	TIME
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9.0 RECOVERY ACTIVITIES

- | | | |
|-----|--|-----|
| 9.1 | Determine the manpower requirements necessary for upcoming technical activities. Request the Administrative Manager notify additional personnel, if necessary. | N/A |
| 9.2 | Continue to monitor the status of ongoing technical activities until termination. | N/A |
| 9.3 | Develop a list of activities and tasks which should be completed using 0ERP01-ZV-RE02, Documentation, Form 1, Corrective Action Items List, and provide a copy of the list to the TSC Manager. | N/A |
| 9.4 | Assist in the development of recovery plans and procedures using the guidance in 0ERP01-ZV-RE01, Recovery Operations. | N/A |

10.0 TERMINATION ACTIVITIES

- | | | |
|------|---|-----|
| 10.1 | Provide a list of any supplies or forms needing replenishment to the Administrative Manager. | N/A |
| 10.2 | Develop a list of activities and tasks which should be completed using 0ERP01-ZV-RE02, Documentation, Form 1, Corrective Action Items List, and provide a copy of the list to the Assistant TSC Manager. | N/A |
| 10.3 | Collect and organize in chronological order all documentation, checklists, logs, and status board data sheets. | N/A |
| 10.4 | With the assistance of the Technical Staff, write an Emergency Response Summary report using the guidance in 0ERP01-ZV-RE02, Documentation. Provide this report and all documentation to the Assistant TSC Manager. | N/A |

	0ERP01-ZV-TS07	Rev. 4	Page 11 of 11
Technical Manager			
Form 1	TSC Manager Briefing Sheet		Page 1 of 1

1.0 Critical Safety Function Status Date/Time _____

S Subcriticality _____
 C Core Cooling _____
 H Heat Sink _____
 P Integrity _____
 Z Containment _____
 I Inventory _____
 R Radiation _____

2.0	<u>Status of Boundaries</u>	<u>Cladding</u>	<u>RCS</u>	<u>Containment</u>
	Unavailable	()	()	()
	Intact	()	()	()
	Potential Loss	()	()	()
	Imminent Loss	()	()	()
	Breached/Stable	()	()	()
	Breached/Degrading	()	()	()
	Re-Established	()	()	()

3.0 Assessment of Core Damage

_____ % Damage based on	PASS	Available Indicator
	_____ RCS	_____ CETC
	_____ RCB Atmos	_____ RVWL
	_____ RCB Sump	_____ RCB H ₂ Conc
		_____ RCB Rad Levels

4.0 Major Systems Problems

5.0 Conversations with NRC

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Engineering Supervisor					
Quality	Non Safety-Related	Usage: N/A	Effective Date: 05/08/00		
Max Keyes	N/A	N/A	Emergency Response Division		
PREPARER	TECHNICAL	USER	COGNIZANT ORGANIZATION		

Table of ContentsPage

1.0	Purpose and Scope	2
2.0	Responsibilities	2
3.0	References	2
4.0	Procedure.....	2
5.0	Support Documents.....	3
	Addendum 1, Shift Turnover Briefing.....	4
	Data Sheet 1, Engineering Supervisor Checklist	5

Engineering Supervisor**1.0 Purpose and Scope**

- 1.1 This procedure specifies the actions to be completed by the Engineering Supervisor in the Technical Support Center (TSC) during a declared emergency.
- 1.2 This procedure implements the requirements of the South Texas Project Electric Generating Station (STPEGS) Emergency Plan specific to the Engineering Supervisor.

2.0 Responsibilities

- 2.1 The Engineering Supervisor is responsible for:
 - 2.1.1 Directing the activities of additional engineering support staff to resolve engineering problems related to the emergency condition.
 - 2.1.2 Activating the necessary engineering personnel.
 - 2.1.3 Functioning as the primary liaison with contracted engineering support provided by outside vendors, Nuclear Steam Supply System (NSSS), and architect/engineering firms.

3.0 References

- 3.1 STPEGS Emergency Plan
- 3.2 0PGP05-ZV-0004, Emergency Plan Implementing Procedure Users Guide
- 3.3 0ERP01-ZV-IN01, Emergency Classification
- 3.4 0ERP01-ZV-RE01, Recovery Operation
- 3.5 0ERP01-ZV-RE02, Documentation

4.0 Procedure

- 4.1 At an Alert or higher emergency classification or as directed by the Emergency Director, report to the affected Unit's Technical Support Center and implement Data Sheet 1, Step 1.0, Initial Activities.
- 4.2 Complete Data Sheet 1, Engineering Supervisor Checklist activities as follows:
 - 4.2.1 Use the right column to log the time an activity is performed.
 - 4.2.2 Reoccurring activities should be documented using the Emergency Action Log.

	0ERP01-ZV-TS11	Rev. 2	Page 3 of 8
Engineering Supervisor			

4.2.3 Implement other activities as necessary.

4.2.4 Use checklists to help direct emergency activities.

5.0 Support Documents

5.1 Addendum 1, Shift Turnover Briefing

5.2 Data Sheet 1, Engineering Supervisor Checklist

	0ERP01-ZV-TS11	Rev. 2	Page 4 of 8
Engineering Supervisor			
Addendum 1	Shift Turnover Briefing		Page 1 of 1

- 1.0 Provide a briefing of the event to the relief person including the following:
 - 1.1 Basis of the current emergency classification on the EALs of importance.
 - 1.2 Completed checklists and logs.
 - 1.3 Engineering actions underway including plant modifications, special test procedures, etc.
 - 1.4 Recovery plans developed and corrective action priorities for plant recovery.
 - 1.5 Current shift schedule.
- 2.0 Inform the following of the transfer of responsibilities to the oncoming shift replacement.
 - 2.1 Engineering Support Staff responding to the emergency.
 - 2.2 TSC Technical Manager.
 - 2.3 EOF Technical Director
- 3.0 Update the TSC Staffing Board.
- 4.0 Document the time of turnover and the identity of your relief on your log and provide copies to your replacement. Provide the original log sheets to the Administrative Manager.
- 5.0 Verify your telephone number on the shift schedule. If the telephone number is inside the 10-mile EPZ, then provide an alternate phone number for contact should evacuation of the EPZ be necessary.
- 6.0 Take a copy of your shift schedule.
- 7.0 Verify possession of a STPNOC picture badge for access through possible roadblocks when returning to the site on the next shift.
- 8.0 Inform the Security Manager of the shift change and sign out when leaving the TSC.

	0ERP01-ZV-TS11	Rev. 2	Page 5 of 8
Engineering Supervisor			
Data Sheet 1	Engineering Supervisor Checklist		Page 1 of 4

_____ (Name) _____ (Date) _____ (Unit)

ACTION _____ **TIME** _____

1.0 INITIAL ACTIVITIES

- 1.1 Report to the TSC of the affected Unit and sign in on the TSC Staffing Board. _____
- 1.2 Ensure the Engineering Supervisor's Emergency Response Manual is available. _____
- 1.3 Ensure that the Engineering Supervisor telephone has a dial tone. _____
- 1.4 Obtain a briefing of the situation from the Technical Manager and identify problems requiring engineering support. _____
- 1.5 Initiate an Emergency Action Log of activities. In particular, document telephone calls made or received and any data or information received from or provided to other persons. _____

2.0 STAFF AUGMENTATION ACTIVITIES

- 2.1 Determine if additional engineering support staff is needed to respond to the emergency, and initiate callouts. Direct the personnel contacted to report to the Nuclear Support Center (NSC) or other location. _____
- 2.2 Determine if outside vendor support is required from any of the following:
 - 2.2.1 Nuclear Steam Supply System vendor _____
 - 2.2.2 Architect/Engineer _____
 - 2.2.3 Other Engineering Services vendor _____

	0ERP01-ZV-TS11	Rev. 2	Page 6 of 8
Engineering Supervisor			
Data Sheet 1	Engineering Supervisor Checklist		Page 2 of 4

ACTION

TIME

2.3 If services of an outside vendor are required, then complete the following:

2.3.1 Obtain approval from the Emergency Director for support to be requested that exceed currently approved budgets with that contractor.

2.3.2 Contact the vendor and make arrangements for the support.

2.3.3 Coordinate STPNOC and vendor interfaces.

2.3.4 Contact the Procurement/Resources Supervisor and request contractual arrangements are completed for the support requested which is outside of the current contracts.

2.3.5 Inform the Administrative Manager of the additional staffing level.

2.4 Discuss with the Technical Manager major engineering activities to be performed and verify that the correct priority has been assigned.

2.5 Inform the Assistant TSC Manager of engineering priorities that need to be recorded on the TSC Priority Tracking Status Board.

2.6 As engineering personnel arrive, provide a briefing of engineering problems and established priorities.

3.0 SPECIAL ACTIVITIES

3.1 Site Evacuation:

3.1.1 If the event is radiologically based, then coordinate with the Radiological Manager to arrange for delivery of at least one electronic dosimeter for each facility being occupied by Engineering Support Staff for radiological monitoring. Discuss the need to approve dose extensions or make arrangements for evacuating personnel to the EOF, unaffected Unit's TSC, or the Alternate EOF.

N/A

3.1.2 Provide a list of personnel remaining and their location to the Technical Manager and Administrative Manager.

N/A

	0ERP01-ZV-TS11	Rev. 2	Page 7 of 8
Engineering Supervisor			
Data Sheet 1	Engineering Supervisor Checklist		Page 3 of 4

ACTION

TIME

3.2 Issuance of Potassium Iodide (KI):

NOTE

Consumption of Potassium Iodide is voluntary.

3.2.1 Coordinate with the Radiological Manager for distribution of KI to the Engineering Support Staff. N/A

3.3 Evacuation of the TSC:

3.3.1 Collect the Engineering Supervisor's Emergency Response Manual, completed checklists, and logs. N/A

3.3.2 Follow any special precautions issued by the Radiological Manager. N/A

3.3.3 When directed by the TSC Manager, proceed to the unaffected Unit's TSC, EOF, or Alternate EOF. N/A

4.0 ONGOING ACTIVITIES

4.1 Determine the need to deviate from plant procedures as per 10CFR50.54(x), and inform the Technical Manager. N/A

4.2 Direct the activities of the additional engineering support staff to resolve engineering problems related to the emergency condition. N/A

4.3 Inform the Assistant TSC Manager of changes in priorities for the TSC Priority Tracking Status Board. N/A

4.4 Inform the Administrative Manager when additional personnel will be responding to the site and request arrangements for food and other logistics support, as necessary. N/A

	0ERP01-ZV-TS11	Rev. 2	Page 8 of 8
Engineering Supervisor			
Data Sheet 1	Engineering Supervisor Checklist		Page 4 of 4

ACTION	TIME
5.0 SHIFT CHANGE ACTIVITIES	
5.1 Upon arrival of your shift replacement, complete all actions listed in Addendum 1, Shift Turnover Briefing.	N/A
6.0 RECOVERY ACTIVITIES	
6.1 Determine the manpower requirements necessary for upcoming engineering activities and notify the additional personnel. If contract support beyond current approved contracts is needed, obtain Emergency Director approval.	N/A
6.2 Continue to monitor the status of engineering tasks in progress.	N/A
6.3 Assist the Technical Manager in developing a list of activities and tasks which should be completed using 0ERP01-ZV-RE02, Documentation, Form 1, Corrective Action Items List.	N/A
6.4 Assist in the development of recovery plans and procedures using the guidance in 0ERP01-ZV-RE01, Recovery Operations.	N/A
7.0 TERMINATION ACTIVITIES	
7.1 Assist the Technical Manager in developing a list of activities and tasks in accordance with 0ERP01-ZV-RE02, Documentation, Form 1, Corrective Action Items List.	N/A
7.2 Provide a list of any supplies or forms needing replenishment to the Administrative Manager.	N/A
7.3 Collect and organize in chronological order all documents, checklists, and logs.	N/A
7.4 Assist the Technical Manager in writing an Emergency Response Summary report using the guidance in 0ERP01-ZV-RE02, Documentation.	N/A
7.5 Turn over all documentation generated during the emergency to the Administration Manager.	N/A