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102 - 102 - TECHNICAL SUPPORT COORDINATOR: EMERGENCY PLAN- POSITION SPECIFIC PROCEDURE

REMOVE MANUAL TABLE OF CONTENTS DATE: 06/24/2003

ADD MANUAL TABLE OF CONTENTS DATE: 06/26/2003

CATEGORY: PROCEDURES TYPE: EP
ID: EP-PS-102
REMOVE: REV:22

ADD: REV: 23

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PROCEDURE COVER SHEET

PPL SUSQUEHANNA, LLC	NUCLEAR DEPARTMENT PROCEDURE	
TECHNICAL SUPPORT COORDINATOR EMERGENCY PLAN-POSITION SPECIFIC PROCEDURE		EP-PS-102 Revision 23 Page 1 of 4

QUALITY CLASSIFICATION:	APPROVAL CLASSIFICATION:
( ) QA Program (X) Non-QA Program	( ) Plant ( ) Non-Plant (X) Instruction

EFFECTIVE DATE: 6-26-2003

PERIODIC REVIEW FREQUENCY: 2 Years

PERIODIC REVIEW DUE DATE: 6-26-2005

RECOMMENDED REVIEWS:

Procedure Owner: Nuclear Emergency Planning

Responsible Supervisor: Manager-NSE

Responsible FUM: Supv.-Nuclear Emergency Planning

Responsible Approver: VP-Nuclear Operations

TECHNICAL SUPPORT COORDINATOR: Emergency Plan-Position Specific Procedure

WHEN: Technical Support Center (TSC) is activated

HOW NOTIFIED: On-hours: Phone or Page
Off-hours: Paged by Security

REPORT TO: Damage Control Team Coordinator

WHERE TO REPORT: TSC

OVERALL DUTY:

Coordinate work of the Technical Staff Support Engineers, Chemistry Coordinator, and Data Technicians. Answer questions and solve problems posed by the Damage Control Team Coordinator, Ops Coordinator, and Emergency Director.

MAJOR TASKS:	TAB:	REVISION:
Upon arrival at the TSC, get updated on the status of the plant and determine Technical Support requirements.	TAB A	4
Review the current classification.	TAB B	2
Coordinate problem-solving efforts.	TAB C	4
Communicate technical information.	TAB D	5
Organize technical, chemical, and engineering support in the TSC Library.	TAB E	5
Make sure information and functions that are in progress during shift relief are turned over smoothly.	TAB F	1
Close out your function when emergency is terminated.	TAB G	2
Determine if RB HVAC can be restarted.	TAB H	5
Determine if fuel pool boiling can be expected and initiate actions as necessary to prevent fuel pool boiling or to mitigate the consequences of fuel pool boiling.	TAB I	3

MAJOR TASKS:	TAB:	REVISION:
Monitor plant conditions to identify potential long term operational impacts and/or recovery action.	TAB J	6
Determine if ESW has been, or will be aligned to supply cooling to RBCCW and/or TBCCW heat exchangers, and ensure that adequate cooling is provided for normal ESW heat loads.	TAB K	3
Estimate initial fuel damage, prior to Emergency Operations Facility activation.	TAB L	0

SUPPORTING INFORMATION:	TAB:
Emergency Telephone Instructions	TAB 1
Emergency Organization	TAB 2
Logkeeping	TAB 3
Intentionally Blank	TAB 4
Emergency Facility Form Flow	TAB 5
Emergency Classification	TAB 6
Intentionally Blank	TAB 7
Emergency Forms • Emergency Notification Report	TAB 8
Anticipated Question List	TAB 9
Public Protective Action Recommendation Guide	TAB 10
General Electric BWR Emergency Support Program	TAB 11
Instructions for RB HVAC Restart & Load Shed	TAB 12

REFERENCES:

SSES Emergency Plan

NUREG-0654, Planning Standards and Evaluation Criteria

NUREG-0731, Guidelines for Utility Management Structure and Technical Resources, September 1980

EDR #G20020 Loss of Fuel Pool Cooling Event Evaluation

MAJOR TASK:

Upon arrival at the TSC, get updated on the status of the plant and determine Technical Support requirements.

SPECIFIC TASKS:	HOW:
1. Consult with those available who can provide sequence of events and current status.	1a. Personnel who can provide sequence of events and current status are, (but not limited to): (1) Shift Technical Advisor (2) Ops Coordinator (3) Emergency Director. (4) Damage Control Team Coordinator. (5) Rad Protection Coordinator. (6) Shift Manager. (7) Unit Supervisor.
2. Review available data.	2a. Review: (1) PICSY (2) Logs
3. Assess required personnel.	3a. Only the Technical Support Coordinator is required for TSC activation. 3b. The following personnel are required within 60 minutes. (1) Electrical Engineer (2) Mechanical Engineer (NSSS Engr) (3) Core Thermal Hydraulic Engineer/Rx. Engineer 3c. Utilize the Core Thermal Hydraulics Engr/Rx Engineer in performing fuel damage calculations. (Reference TAB I) 3d. Analyze mechanical problems and other discipline related issues and determine solutions and provide support for implementation of required mechanical actions. (Mechanical Engineer/NSSS Engr)

SPECIFIC TASKS:	HOW:
	3e. Analyze electrical and instrumentation and control problems and other discipline related issues. Determine alternate solutions and provide support for implementation of required electrical/I&C actions.
4. Determine additional Technical Support required and request Admin. Coordinator/Security Coordinator to call them out.	4a. Those you might need include: (1) Data Technicians (2) System Engineers (3) Chemistry Support (4) Operations Engineer (5) TSC Lead Engineer (6) Computer Support
5. Set up administrative functions	5a. Start log, recording: (1) Time (2) Your initials (3) Actions you take **HELP** **Logkeeping** **See TAB 3**
	5b. Check assigned phone for dial tone.
	5c. Check for sufficient supplies, etc. **NOTE:** **Contact the Administrative Coordinator if clerical supplies are needed.**

SPECIFIC TASKS:	HOW:
6. Review status boards.	6a. Check especially to: (1) Make sure method of acquiring data is operating properly. (2) Determine any additional parameters which should be tracked. (3) Ensure data is accurate.

MAJOR TASK:

Communicate technical information.

SPECIFIC TASKS:	HOW:
1. Transmit information to DEP/BRP-Technical.	1a. Establish telephone contact with DEP/BRP. **NOTE:** **Do this by means of: CTN 4965 or commercial phone lines as listed in Emergency Telephone Directory.** 1b. Transmit information from Emergency Notification Report to DEP/BRP - Technical hourly or within 15 minutes after a significant event. **HELP** **Emergency Notification Report See TAB 8** 1c. Review Anticipated Question List in preparation for briefing DEP/BRP-Technical. **HELP** **Anticipated Question List See TAB 9** 1d. Answer technical questions. **NOTE:** **Continue communication with DEP/BRP until the Engineering Support Supervisor in Emergency Operations Facility relieves you.**
2. Direct requests for additional engineering support to the EOF Engineering Support Supervisor.	2a. Request design/engineering information as necessary.

SPECIFIC TASKS:	HOW:
3. Establish communications with STA.	3a. Request specific plant data and/or status as necessary.
4. Establish communications with Engineering Support Supervisor when EOF is activated.	4a. Turn over official communications with DEP/BRP to Engineering Support Supervisor.

MAJOR TASK:

Organize technical, chemical, and engineering support in the TSC Library.

SPECIFIC TASKS:	HOW:
1. Brief TSC Engineering support.	1a. Be sure to include: (1) TSC engineers and Data Technicians. Inform them: (a) Who the staff members are and identify their positions. (b) Current plant status.
	HELP **Emergency Organization** **See TAB 2**
2. Designate and brief Technical Support roles.	2a. Assign the following functions: (1) TSC Lead Engineer (2) Trending (3) Open items tracking (4) On-going evaluation of plant status.
	2b. TSC Lead Engineer (1) Assigns manpower (2) Assists in developing action plans for priority items. (3) Ensures tracking of action is maintained. (4) Assign the following functions: (a) Trending

SPECIFIC TASKS:	HOW:	
		(b) Open item tracking
		(c) On going evaluation of plant status.
		(d) Monitor open telephone line between Engineering response locations.
3. When needed, request General Electric BWR Emergency Support.		**HELP** **GENERAL ELECTRIC BWR EMERGENCY SUPPORT PROGRAM** **See TAB 11**
4. Provide direction to the Chemistry Technician(s) until relieved by the Chemistry Coordinator.	4a.	Use EP-PS-114 as a reference guide.
5. Establish/maintain a list of current/concurrent EAL's.	5a.	Ensure Tracking of concurrent EAL's at all Emergency levels
	5b.	Provide information to Operations Coordinator/Emergency Director for downgrade discussions.
6. Assign Reactor Engineering personnel to perform fuel damage calculations.	6a.	Refer to EP-PS-136.

MAJOR TASK:

Estimate initial fuel damage, prior to Emergency Operations Facility activation.

SPECIFIC TASKS:	HOW:
1. When requested by the ED, Operations Coordinator, RPC, or EOF Engineering Support Supervisor, estimate initial fuel damage.	1a. Direct the Rx Engineer to perform fuel damage calculations (Ref: EP-PS-136).
2. Refine the fuel damage estimates as additional data becomes available.	
3. Provide refined fuel damage estimates to the ED, Operations Coordinator, Radiation Protection Coordinator, and EOF Engineering Support Supervisor.	