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THE FOLLOWING CHANGES HAVE OCCURRED TO THE HARDCOPY OR ELECTRONIC MANUAL ASSIGNED TO YOU:

307 - 307 - ENGINEERING SUPPORT MANAGER: EMERGENCY PLAN-POSITION SPECIFIC PROCEDURE

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

ADD MANUAL TABLE OF CONTENTS DATE: 07/30/2003

CATEGORY: PROCEDURES TYPE: EP
ID: EP-PS-307
ADD: PCAF 2003-1554 REV: N/A

UPDATES FOR HARD COPY MANUALS WILL BE DISTRIBUTED WITHIN 5 DAYS IN ACCORDANCE WITH DEPARTMENT PROCEDURES. PLEASE MAKE ALL CHANGES AND ACKNOWLEDGE COMPLETE IN YOUR NIMS INBOX UPON RECEIPT OF HARD COPY. FOR ELECTRONIC MANUAL USERS, ELECTRONICALLY REVIEW THE APPROPRIATE DOCUMENTS AND ACKNOWLEDGE COMPLETE IN YOUR NIMS INBOX.

A045

PROCEDURE CHANGE PROCESS FORM

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4. FORMS REVISED - A R 12 , - 5 R 45 - ___ R___ , - ___ R___ , - ___ R___ , - ___ R___

5. PROCEDURE TITLE
Engineering Support Supervisor:Emergency Plan Position Specific Instruction

6. REQUESTED CHANGE

PERIODIC REVIEW ☒ NO ☐ YES

INCORPORATE PCAFS ☒ NO ☐ YES # _____ # _____ # _____ # _____

REVISION ☐ PCAF ☒ DELETION ☐ (CHECK ONE ONLY)

7. SUMMARY OF / REASON FOR CHANGE
Revised Tab A to add additional guidance for communication with DEP/BRP.
Added Tab 5 to provide list of anticipated questions

Continued ☐

8. DETERMINE COMMITTEE REVIEW REQUIREMENTS
(Refer to Section 6.1.4)
PORC REVIEW REQ'D? ☒ NO / ☐ YES

9. PORC MTG# _____

BLOCKS 11 THRU 16 ARE ON PAGE 2 OF FORM

17. T.C. Dalpiaz / 3227 / 07/01/2003
PREPARER (Print or Type) / ETN / DATE

18. COMMUNICATION OF CHANGE REQUIRED?
☐ NO ☒ YES (TYPE) E Mail Notification

19. Mark C Maatredt 7/8/03
RESPONSIBLE SUPERVISOR / DATE

SIGNATURE ATTESTS THAT RESPONSIBLE SUPERVISOR HAS CONDUCTED QADR AND TECHNICAL REVIEW UNLESS OTHERWISE DOCUMENTED IN BLOCK 16 OR ATTACHED REVIEW FORMS. CROSS DISCIPLINE REVIEW (IF REQUIRED) HAS BEEN COMPLETED BY SIGNATURE IN BLOCK 16 OR ATTACHED REVIEW FORMS.

20. Jeffrey Heisenwood 7/16/03
FUM APPROVAL / DATE

21. RESPONSIBLE APPROVER
N/A
INITIALS
7/25/03
DATE

ENTER N/A IF FUM HAS APPROVAL AUTHORITY

PROCEDURE CHANGE PROCESS FORM

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11. This question documents the outcome of the 50.59 and 72.48 Review required by NDAP-QA-0726. Either 11a, b, c or d must be checked "YES" and the appropriate form attached or referenced.

a. This change is an Administrative Correction for which 50.59 and 72.48 are not applicable.	☐ YES	☒ N/A
b. This change is a change to any surveillance, maintenance or administrative procedure for which 50.59 and 72.48 are not applicable.	☒ YES	☐ N/A
c. This change is bounded by a 50.59/72.48 Screen/Evaluation, therefore, no new 50.59/72.48 Evaluation is required. Screen/Evaluation No. _____	☐ YES	☒ N/A
d. 50.59 and/or 72.48 are applicable to this change and a 50.59/72.48 Screen/Evaluation is attached.	☐ YES	☒ N/A

12. This change is consistent with the FSAR or an FSAR change is required. ☒ YES
Change Request No. _____

13. Should this change be reviewed for potential effects on Training Needs or Material? If YES, enter an Action Item @ NIMS/Action/Gen Work Mech/PICN	☐ YES	☒ NO
14. Is a Surveillance Procedure Review Checklist required per NDAP-QA-0722?	☐ YES	☒ NO
15. Is a Special, Infrequent or Complex Test/Evolution Analysis Form required per NDAP-QA-0320? (SICT/E form does not need to be attached.)	☐ YES	☒ NO

16. Reviews may be documented below or by attaching Document Review Forms NDAP-QA-0101-1.

REVIEW	REVIEWED BY WITH NO COMMENTS	DATE
QADR		
TECHNICAL REVIEW		
REACTOR ENGINEERING/NUCLEAR FUELS *		
IST **		
OPERATIONS		
NUCLEAR SYSTEMS ENGINEERING		
NUCLEAR MODIFICATIONS		
MAINTENANCE		
HEALTH PHYSICS		
NUCLEAR TECHNOLOGY		
CHEMISTRY		
OTHER 10 CFR 50.54Q		

* Required for changes that affect, or have potential for affecting core reactivity, nuclear fuel, core power level indication or impact the thermal power heat balance. ([58])

** Required for changes to Section XI Inservice Test Acceptance Criteria.

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ENGINEERING SUPPORT SUPERVISOR Emergency Plan Position Specific Procedure

WHEN:	When the EOF is activated
HOW NOTIFIED:	Paged/Telenotifications System
WHERE TO REPORT:	Emergency Operations Facility
REPORT TO:	Recovery Manager

OVERALL DUTY:

Act as a technical resource for plant data and information, performing assessments to support dose projections, protective action recommendations and emergency classifications.

MAJOR TASKS:	TAB:	REVISION:
Obtain information on plant status to support dose projections, protective action recommendations, emergency classifications, and information dissemination.	TAB A	~~11~~ 12
Support dose assessment calculations, communicating results to the Dose Assessment Staff.	TAB B	5
Establish and maintain contact with the Department of Environmental Protection/Bureau of Radiation Protection (Technical), Nuclear Regulatory Commission, and the Media Operations Center.	TAB C	5

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SUPPORTING INFORMATION:	TAB:
Emergency Organization	TAB 1
NERO Technical Support Overview	TAB 2
Emergency Classifications	TAB 3
Public Protective Action Recommendation Guide	TAB 4
REFERENCES: ANTICIPATED QUESTIONS LIST	TAB 5

PCAF

NRC RTM 92, Nuclear Regulatory Commission Response Team Manual

SSES Emergency Plan

NUREG 0654, Planning Standards and Evaluation Criteria

NUREG 0731, Guidelines for Utility Management Structure and Technical Resources, Sept. 1980

NUREG 0696, Functional Criteria for Emergency Response Facilities

NEDO 22215, Procedure for the Determination of the Extent of Core Damage Under Accident Conditions

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MAJOR TASK:

Obtain information on plant status to support dose projections, protective action recommendations, event classifications, and information dissemination.

SPECIFIC TASK:	HOW:
1. Log in upon arrival.	1a. Sign Ingress/Egress Log located at the entrance into the EOF.
	1b. Clip-on the position specific name badge.
	1c. Sign-in on board in conference area if you are the initial responder.
2. Notify the Recovery Manager of your arrival.	**NOTE:** **If the Recovery Manager is delayed in arriving at the EOF, prepare the facility for turnover, (reference EP-PS-200, Recovery Manager Emergency-Plan-Position Specific Instruction), but do not accept turnover until his arrival.**
3. Provide Engineering Support to the EOF Staff.	3a. Only the Engineering Support Supervisor is required for EOF activation.
	3b. Obtain required engineering information from the TSC until arrival of additional engineering staff in GO/EOF.
	3c. The following personnel are desired within 90 minutes: (1) Systems Lead Engineer (EOF AND GO) (2) Fuels Lead Engineer (EOF AND GO) (3) Mechanical Engineer (EOF) (4) Electrical Engineer (EOF)

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SPECIFIC TASK:	HOW:
	3d. Call the General Office if you are the initial responder. (Conference bridge telephone line may be used.)
	3e. If additional support is required, request the EOF Support Supervisor or NEP Duty Planner to obtain needed disciplines.
4. Determine readiness of Engineering Support Staff to support EOF functions for this event.	4a. Verify engineering equipment is operational (phones, PICSY terminals, network terminals, Fax machine, etc.).
	4b. Brief Engineering Support Staff as time permits. (Staff can be briefed after EOF activation.)
5. Obtain sufficient knowledge of event to allow assumption of duties.	5a. Review data posted in the Command and Control, Site Support, and Engineering Support areas.
	5b. Obtain event information from Recovery Mgr., TSC, or other accurate source. Ensure knowledge of: (1) Affected Unit (2) Emergency Classification (3) Any Protective Action Recommendations (4) Source term size (5) Release flowpath (6) Review and understand status of unaffected unit.

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SPECIFIC TASK:	HOW:
6. Perform turnover of notification of DEP/BRP Technical from the TSC Engineering Staff to the EOF. (This can be done at any time but is REQUIRED at first notification after TSC/EOF turnover).	6a. Contact the TSC Tech Support Coordinator and obtain time that next notification is due. Accept responsibility for next notification of DEP/BRP Technical. (REQUIRED at first notification after TSC/EOF turnover). 6b. DEP/BRP communications are due hourly. 6c. Transmit information from the ENR form. 6d Review anticipated questions list in anticipation of briefing **HELP** **ANTICIPATED QUESTIONS LIST** **SEE TAB 5**
7. Maintain ongoing awareness of plant status.	7a. Ensure an ongoing awareness of at least the following: (1) Status of Reactivity control (2) Decay heat removal (3) Backup heat removal capability (4) Integrity of fuel cladding, Rx vessel, primary containment, and secondary containment (5) Hydrogen generation (6) Status of rad release
8. Review plant status with the Recovery Manager. Assist in classification and reclassification of the event, and in determining the need for Protective Action Recommendations.	8a. Assign personnel to trend the following data, immediately advise you of significant changes: (1) The release path: a. Barriers breached b. Barriers threatened, (no decay heat removal, over pressurization, etc.) c. Mitigation in progress (2) Source term a. Type and amount of fuel damage b. Mitigation in progress (3) Present classification and bases a. Potential for upgrade

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SPECIFIC TASK:	HOW:
9. Establish/maintain an Engineering Support Priorities List.	9a. Assign a staff member to maintain a list of Engineering Support "Priorities" utilizing the "white boards" or easels in the Engineering Support Office, including: (1) initial time (2) disposition (open/closed) (3) time of closure
10. Establish/maintain a list of current/concurrent EAL's.	10a. Ensure tracking of concurrent EAL's at all emergency levels. 10b. Provide information to Recovery Manager for downgrade discussions.
11. Update Recovery Manager as new information becomes available.	11a. Brief Engineering Support Staff personnel to: (1) Advise you immediately if they become aware of information that could change the Emergency Classification or PAR. (2) Advise you immediately if you provide information believed to be incomplete or inaccurate in a briefing. (3) Use three-part communications during exchanges of critical information.

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SPECIFIC TASK:	HOW:
12. Succeed the Recovery Manager as required.	12a. If the Recovery Manager becomes unable to perform his functions during the emergency and another Recovery Manager is not present, assume the duties of Recovery Manager. 12b. Ensure a replacement Recovery Manager is immediately called to the EOF.

ANTICIPATED QUESTION LIST

The following questions are intended to provide an overview of the event that precipitated entry into the SSES EMERGENCY PLAN. They will be used by managers in the emergency response organization to better understand the situation and answer questions posed by offsite agencies and regulators.

QUESTION #1: (TECHNICAL SUPPORT COORDINATOR/ENGINEERING SUPPORT SUPERVISOR)

What is the status of all three fission product boundaries? Indicate what data supports each determination.

a. Fuel cladding

b. Reactor coolant pressure boundary

c. Primary containment

QUESTION #2: (TECHNICAL SUPPORT COORDINATOR/ENGINEERING SUPPORT SUPERVISOR)

For intact barriers, what threats exist to their continued integrity? For degraded barriers, what is the potential for further degradation? Indicate what data supports each determination.

a. Fuel cladding

b. Reactor coolant pressure boundary

c. Primary containment

ANTICIPATED QUESTION LIST

QUESTION #3: (TECHNICAL SUPPORT COORDINATOR/ENGINEERING SUPPORT SUPERVISOR)

a. How is the core being cooled?

b. How do you know that the cooling system(s) in service are adequately removing heat from the core?

c. What backup cooling systems are available?

QUESTION #4: (TECHNICAL SUPPORT COORDINATOR/ENGINEERING SUPPORT SUPERVISOR)

a. How do you know that the core is in a coolable configuration?

b. What is the current estimate of core damage?

c. What is the prognosis for further degradation?

QUESTION #5: (TECH SUPPORT COORDINATOR)

a. How do you correlate the in-plant radiological data with the in-plant system parameter data to support your understanding of the situation?

b. What is the status of off-site radiological releases?

ANTICIPATED QUESTION LIST

c. If releases are occurring:

1) What is the release path?

2) Is the release monitored?

3) Is the release filtered?

4) What is the potential for increased release levels? When?

5) What is the potential for termination of the release? When?

c. If releases are not currently occurring:

1) What are the potentially releasable source terms?

2) What is the status of SBGTS?

QUESTION #6: (DOSE ASSESSMENT SUPERVISOR/RADIATION PROTECTION COORDINATOR)

a. If releases are occurring, what are the off-site release consequences?

b. What is the potential for the release to change and what would be the off-site consequences of the postulated release?