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U.S. Nuclear Regulatory Commission
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NOG-01154

**VOGTLE ELECTRIC GENERATING PLANT
EMERGENCY PLAN IMPLEMENTING PROCEDURE REVISION**

Gentlemen:

In accordance with 10 CFR 50.4, as required by 10 CFR 50, Appendix E, Part V, Southern Nuclear hereby submits the following revision(s) to the Vogtle Emergency Plan Implementing Procedure (s):

<u>Procedure</u>	<u>Revision</u>	<u>Effective Date</u>
91103-C	15	01/10/00
91107-C	09	01/10/00

By copy of this letter, the NRC Region II Administrator and the Site NRC Senior Resident Inspector will receive one copy each of the revision(s).

Please contact Angel Cardona at (706) 826-3114 if you have any questions.

Sincerely,

A handwritten signature in black ink, appearing to read "J.T. Gasser".

J.T. Gasser
General Manager

JTG/AEC/jmm

Enclosure: Emergency Plan Implementing Procedure(s)

A045

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Mr. J. Zeiler, NRC Senior Resident Inspector, Vogtle (with attachment-one copy)

Approved By J.T. Gasser	Vogtle Electric Generating Plant 	Procedure Number 91103-C	Rev 15
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REFERENCE USE PROCEDURE

PRB REVIEW REQUIRED

1.0 **PURPOSE**

The purpose of this procedure is to provide instructions to the Technical Support Center (TSC) Manager for overall direction of the TSC and the onsite VEGP Emergency Response Organization (ERO).

2.0 **RESPONSIBILITIES**

2.1 **TSC MANAGER**

2.1.1 The TSC Manager shall have the following responsibilities:

2.1.1.1 Timely offsite communications (when Emergency Director (ED) is in TSC).

2.1.1.2 Declaring the TSC operational, managing the TSC and directing TSC emergency response personnel.

2.1.1.3 Assuming the ED responsibilities while the ED is in transit from the TSC to the Emergency Operations Facility (EOF). A formal relief sheet is not required for this temporary transfer of ED responsibilities.

2.1.1.4 Coordination of inputs and recommendations from technical and corrective action advisors.

2.1.1.5 Providing technical assistance and operational guidance to Control Room personnel.

2.1.1.6 Coordinating and directing all onsite emergency response functions.

2.1.1.7 Providing technical information and recommendations to the ED.


2.1.1.8 Recommending onsite and offsite protective actions based on plant conditions.

2.1.1.9 Providing recommendations on emergency classifications to the ED.

2.1.1.10 Establishing and maintaining communications with the NRC.

2.1.1.11 Notifying offsite ambulance service and hospitals as required.

2.1.1.12 Direction of onsite emergency personnel involved in restoration of the plant to a safe condition.

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- 2.1.1.13 Direction of TSC staff in analysis of problems, design and planning for temporary modifications.
- 2.1.1.14 Development of temporary operating procedures.
- 2.1.1.15 Assignment of an individual to ensure that all personnel entering the TSC sign in on the Personnel Roster.
- 2.1.1.16 Ensuring that ALL VEGP employees and vendor/contractors reporting to the TSC meet the requirements of the Fitness For Duty (FFD) policy for recall of off-duty personnel.
- 2.1.1.17 Ensuring that the Emergency Response Data System (ERDS) Computer has been activated by TSC chemistry staff within one hour of an Alert or higher emergency classification.
- 2.1.1.18 Filling the position of Decision Maker or Evaluator if Severe Accident Management Guidelines (SAMGs) are implemented.

3.0 PREREQUISITES

An Alert, Site Area Emergency or General Emergency has been declared.


4.0 PRECAUTIONS

- 4.1 This procedure shall not take priority over measures required to maintain or restore the plant to a safe operating condition.
- 4.2 This procedure does not replace any plant operating procedure. During an emergency condition, the TSC Manager will continue to use appropriate plant procedures in parallel with this and other Emergency Plan Implementing Procedures.

5.0 PROCEDURE


5.1 TSC ACTIVATION

- 5.1.1 For an Alert, Site Area Emergency or General Emergency, the TSC Manager shall report to the TSC, receive a briefing from the ED, and declare the TSC operational as soon as it is adequately staffed.
- 5.1.2 The TSC Manager shall utilize the designated "TSC Manager Checklist" as soon as practicable.

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5.2 STAFF SUPERVISION

- 5.2.1 The TSC Manager shall supervise the activities of the OSC Manager and the following TSC staff:**
- 5.2.1.1 Engineering Supervisor (core damage assessment, technical support, liaison with NRC staff in the TSC).**
 - 5.2.1.2 Maintenance Supervisor (maintenance, damage control, plant modifications).**
 - 5.2.1.3 Operations Supervisor (interface with Control Room and develop temporary emergency operating procedures as necessary).**
 - 5.2.1.4 Health Physics (HP) Supervisor (onsite radiological assessment, on-site protective action recommendations, radiation exposure record keeping, In-Plant Monitoring Team control; and until Emergency Operations Facility (EOF) Dose Assessment is activated, dose projections, offsite protective action recommendations, and Field Monitoring Team control).**
 - 5.2.1.5 TSC Support Coordinator (logistics, staffing, TSC evacuation) and TSC Support group (communications, log keeping, status boards, etc.).**
 - 5.2.1.6 Chemistry Supervisor (post-accident sampling, plant chemistry, ERDS activation).**
 - 5.2.1.7 Security Coordinator (access control, site evacuation , accountability).**

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6.0 REFERENCES

6.1 VEGP EMERGENCY PLAN

6.2 PROCEDURES

- 6.2.1 91002-C, "Emergency Notifications"
- 6.2.2 91101-C, "Emergency Response Organization"
- 6.2.3 91104-C, "Duties Of The OSC Manager"
- 6.2.4 91201-C, "Activation And Operation Of The TSC"
- 6.2.5 91204-C, "Emergency Response Communications"
- 6.2.6 91302-C, "In-Plant Sampling And Surveys"
- 6.2.7 91303-C, "Field Sampling And Surveys"
- 6.2.8 91306-C, "Contamination Monitoring And Decontamination"
- 6.2.9 91307-C, "Contaminated Injury"
- 6.2.10 91501-C, "Recovery"
- 6.2.11 60613-C, "Control And Use Of Severe Accident Management Guidelines (SAMG)"
- 6.3 NUREG-0654, FEMA-REP-1, Rev. 1, "Criteria for Preparation and Evaluation of Radiological Emergency Response Plans and Preparedness in Support of Nuclear Power Plants"

END OF PROCEDURE TEXT

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TSC MANAGER CHECKLIST

DESIGNEES: Assistant General Manager, Plant Operations
 General Manager, Nuclear Plant
 Manager, Operations
 Operations Superintendent
 Assistant General Manager, Plant Support

RESPONSIBILITIES:

Manage the TSC and direct the onsite Emergency Response Organization. Assist the ED with technical information, classifications, and protective action recommendations. Provide technical and operational support to the Control Room.

INITIAL ACTIONS

1. Report to the TSC.
2. Sign in on Emergency Response Facility Roster.
3. Obtain appropriate work packet and emergency identification badge.
4. Receive briefing from ED.
5. Assign an individual (normally the TSC Support Coordinator) to ensure that all personnel reporting to the TSC sign in on the Personnel Roster.
6. Ensure that key TSC positions have been filled by reviewing the Emergency Response Facility Roster. Refer to Procedure 91201-C, "Activation And Operation Of The TSC" for minimum TSC staff requirements.
7. Review facility and equipment readiness with TSC staff. Ensure all communication equipment is operating.
8. When adequately staffed, declare the TSC operational, notify the ED, EOF Manager, Shift Superintendent and OSC Manager.
9. Ensure that the TSC Chemistry staff have activated the ERDS Computer System.

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TSC MANAGER CHECKLIST

INITIAL ACTIONS (Cont'd)

NOTE

If a recall of off-duty personnel has been initiated, perform the following:

10. FFD determinations
 - a. Review the sign in roster and ensure that ALL personnel reporting to the TSC answer the fitness for duty question.
 - b. If any personnel have answered yes to the FFD question then a FFD evaluation is required. The Safety and Health department is available to help make this determination.
11. Provide initial briefing to TSC staff.


SUBSEQUENT ACTIONS

- 1.* Maintain a communications log.
- 2.* Assist the ED, as needed.
- 3.* Provide periodic briefings to TSC staff.
- 4.* Direct actions to provide the technical and operational assistance to the Control Room.
5. Review readiness of the OSC.

Notifications

- 1.* Assist the ED in performing notifications as directed.
- 2.* Complete the Emergency Notification message forms (Procedure 91002-C, "Emergency Notifications") as appropriate. Provide to the ED for review and approval.
3. Ensure a plant knowledgeable individual is assigned to maintain communications and provide updates to the NRC. (Normally assigned to engineering)
4. Direct the HP Supervisor to assign an individual to staff the Health Physics Network (HPN) telephone when requested by the NRC.

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TSC MANAGER CHECKLIST

SUBSEQUENT ACTIONS (CONT'D)


Protective Actions

- 1.* Confer with the Engineering Supervisor and Operations Supervisor regarding protective actions based on present and projected plant conditions.
- 2.* Prior to EOF activation, confer with the HP Supervisor regarding offsite protective actions.
- 3.* Evaluate the need for onsite protective actions.
- 4.* Review habitability of onsite emergency facilities with the HP Supervisor.
- 5.* Recommend protective actions per Procedure 91305-C, "Protective Action Guidelines" to the ED.
6. If the OSC or TSC become uninhabitable:
 - a. Inform the ED and direct the relocation of staff, equipment and supplies to an alternate location (CR and EOF for TSC; TSC for OSC).
 - b. The TSC Manager, Operations Supervisor and HP Supervisor shall relocate to the alternate TSC in the Control Room should the TSC become uninhabitable.
 - c. Inform other facilities of new location and communication links.

Team Deployment

- 1.* Approve dispatch of all in-plant emergency teams via the OSC Manager, Operations Supervisor, HP Supervisor, or Chemistry Supervisor.
- 2.* If necessary, obtain authorization from the ED for any radiation exposures in excess of 10 CFR20 limits.
- 3.* Determine if decontamination of contaminated equipment/areas is necessary and direct their decontamination per Procedure 91306-C, "Contamination Monitoring And Decontamination".

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TSC MANAGER CHECKLIST

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SUBSEQUENT ACTIONS (CONT'D)

- 4.* Approve and direct the transport of PASS grab samples to Framatome Technologies if back-up analysis is needed.
- 5.* Approve timely dispatch of Field Monitoring Teams until the EOF dose assessment is activated.
- 6.* Assure that the HP Supervisor provides permits for Emergency Radiation Exposure, keeps exposure records, and informs you when authorizations to exceed 10CFR20 limits are required.
- 7.* Determine whether there is a need for offsite fire fighting assistance. Should such assistance be required, request it from Burke County Emergency Management Agency.

Contaminated Injury

- 1. Upon notification of a potentially contaminated injury, direct the OSC Manager to dispatch a First Aid Team (Procedure 91307-C, "Contaminated Injury").
- 2. If an ambulance is needed perform the following:
 - a. Request ambulance assistance via Data Sheet 3, "Request for Ambulance Assistance" (Procedure 91307-C, "Contaminated Injury") , and provide reporting instructions. (Data sheets normally completed by the TSC Support Coordinator)
 - b. Contact hospital via Data Sheet 4, "Request for Hospital Assistance" (Procedure 91307-C, "Contaminated Injury"). Inform hospital that a contaminated injury is enroute and provide estimated arrival time. (Data sheets normally completed by the TSC Support Coordinator)

Emergency Classification

- 1.* Review emergency classification in Procedure 91001-C, "Emergency Classification And Implementing Instructions".
- 2.* Determine if the classification level requires upgrading or downgrading based on present or projected plant conditions.
- 3.* Recommend changes in classifications to the ED.

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TSC MANAGER CHECKLIST

SUBSEQUENT ACTIONS (CONT'D)

Relief

1. Perform relief and complete General Relief Checklist in Procedure 91101-C, "Emergency Response Organization".

Severe Accident Management Guidelines

1. Diagnose plant conditions and evaluate if a specific guideline entry is required.
2. Evaluate the positive and negative impacts of strategies presented in the guidelines.
3. Respond to severe challenges.
4. Interpret the response of plant parameters following strategy implementation.
5. Assess the effectiveness of implemented strategies and determine whether additional mitigation is needed.

Emergency Termination

1. After the emergency condition has been declared terminated, proceed as follows:
 - a. Hold a final staff briefing.
 - b. Collect all logs and checklists.
 - c. With key staff members, attend a final staff briefing with the ED to determine recovery actions and staff assignments.


Recovery

1. Coordinate with Emergency Director to provide support for initial recovery planning activities (Procedure 91501-C, "Recovery").

Restoration of the TSC

1. Restore the TSC to the ready condition at the termination of each emergency.

* Continuing Activity

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REFERENCE USE PROCEDURE

PRB REVIEW REQUIRED

1.0 **PURPOSE**

The purpose of this procedure is to provide instructions to the Engineering Supervisor for technical evaluations and support.

2.0 **RESPONSIBILITIES**

2.1 **ENGINEERING SUPERVISOR**

2.1.1 The Engineering Supervisor shall have the following responsibilities:

2.1.1.1 Provide technical support to the TSC Manager.

2.1.1.2 Analyze plant problems.

2.1.1.3 Advise the Emergency Director (ED) on technical matters.

2.1.1.4 Interface with appropriate Federal response personnel stationed in the TSC.

2.1.1.5 Assign a plant knowledgeable person to communicate with the NRC on the Emergency Notification System (ENS) and report upgrades in emergency classification and/or significant changes in plant conditions.

2.1.1.6 Ensure that core damage assessment is performed.

2.1.1.7 Trend key plant parameters using the Integrated Plant Computer (IPC) or a manual method.

2.1.1.8 Supervise Engineering Staff assigned to TSC.

2.1.1.9 Fill the position of Evaluator, if Severe Accident Management Guidelines (SAMGs) are implemented.


3.0 **PREREQUISITES**

An Alert, Site Area Emergency, or General Emergency has been declared, or the (ED) has ordered activation of the TSC.

4.0 **PRECAUTIONS**

4.1 This procedure shall not take priority over measures required to maintain or restore the plant to a safe operating condition.

4.2 This procedure does not replace any plant operating procedure.

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5.0 **PROCEDURE**

5.1 **TSC ACTIVATION**

For an Alert Emergency, Site Area Emergency, or General Emergency, the Engineering Supervisor shall:

5.1.1 Report to the TSC.

5.1.2 Obtain and initiate the "Engineering Supervisor Checklist".

5.2 **STAFF SUPERVISION**

The Engineering Supervisor shall supervise the activities of the following TSC staff:

5.2.1 Reactor Engineer (analyze core physics and heat transfer parameters, perform core damage assessment).

5.2.2 Mechanical Engineer (analyze mechanical systems).

5.2.3 Electrical Engineer (analyze electrical systems).

5.3 **RECOVERY**

The Engineering Supervisor shall provide support for recovery and re-entry operations as requested by the TSC Manager or (ED).

6.0 **REFERENCES**


6.1 **VEGP EMERGENCY PLAN**

6.2 Procedure 91101-C, "Emergency Response Organization"

6.3 Procedure 60613, "Control And Use Of Severe Accident Management Guidelines (SAMG)"

6.4 NUREG-0654, FEMA-REP-1, Rev. 1, "Criteria for Preparation and Evaluation of Radiological Emergency Response Plans and Preparedness in Support of Nuclear Power Plants

END OF PROCEDURE TEXT

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ENGINEERING SUPERVISOR CHECKLIST

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DESIGNEES:

Manager Engineering Support
Engineering Supervisor(s)


RESPONSIBILITIES:

Provide technical support to the TSC Manager. Analyze plant problems. Recommend corrective actions. Advise the Emergency Director on technical matters. Interface with Federal response personnel stationed in the TSC. Ensure that core damage assessment is performed.

INITIAL ACTIONS

1. Report to the TSC.
2. Sign-in on the Emergency Response Facility Roster.
3. Obtain work packets and emergency identification badge.
4. Ensure that the following positions are staffed:
 - a. Electrical Engineer
 - b. Mechanical Engineer
 - c. Reactor Engineer
5. Receive briefing from TSC Manager.
- 6.* Assume responsibility from the on-shift operations staff for NRC notifications by assigning an Engineer to maintain communications on the ENS when directed by the TSC Manager. (These communications should include any further degradation in the plant conditions, any change from one emergency class to another, or for the termination of an emergency.)
7. Advise TSC Manager when ready for operation and begin maintaining appropriate logs and checklists.

*Continuing Activity

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ENGINEERING SUPERVISOR CHECKLIST

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SUBSEQUENT ACTIONS

- 1.* Maintain a log.
- 2.* Determine need for any additional engineering and technical support personnel, and inform TSC Manager, TSC Support Coordinator or General Office Operations Center (GOOC) as appropriate.
- 3.* Assist TSC Manager, as requested, to determine corrective actions.
- 4.* Assist TSC Manager, as requested, during reclassification activities.
- 5.* Provide technical support to the TSC Manager and to the Control Room by communicating through the Operations Supervisor.
- 6.* Direct the engineering staff to perform analyses of plant problems and determine corrective actions. Estimate time of fission product barrier failure when failure is anticipated from analyses of plant parameters.
- 7.* Provide recommendations for plant modifications to mitigate the effects of the accident.
- 8.* Determine the need for offsite technical assistance and coordinate with the TSC Manager, TSC Support Coordinator or GOOC as appropriate.
- 9.* Supervise activities of vendors reporting to the TSC or supervise via communications links to vendor's home offices.
- 10.* Provide liaison with the NRC staff in the TSC.

NOTE

IPC's that are not in the main TSC (i.e. PASS and Dose Assessment Areas) may be used if necessary.

- 11.* Trend key plant parameters using the IPC or a manual method.
12. Perform core damage assessment.

*Continuing Activity

