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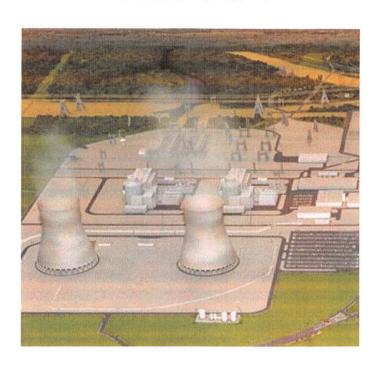
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Enclosure

Vogtle Electric Generating Plant Units 3 & 4
Fukushima Response NEI 12-01 On-Shift Staffing Analysis Phase 2 Report,
Revision 3.0, Standard Emergency Plan Annex, Revision 6.0

(This Enclosure consists of 24 pages, not including this cover page)

Vogtle Electric Generating Plant Units 3 & 4



Fukushima Response NEI 12-01 On-Shift Staffing Analysis Phase 2 Report, Revision 3.0 Standard Emergency Plan Annex, Revision 6.0

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Prepared By	Date
Dite	05/25/2022
Accepted By	Date

Table of Contents

Introduction	.]
Staffing Assessment Process Overview	.]
NEI 12-01 Phase 2 Assessment Results	2
Phase 2 Staffing Assessment Details	2
Assumptions	
Methodology	
Security Considerations	
Strategy Resource Loading	. 7
Appendix 1 - Staffing Tables	. 8

Introduction

This report documents Revision 3.0 of the Vogtle Electric Generating Plant Unit 3 (VEGP 3) on-shift staffing analysis performed for a Beyond Design Basis External Event (BDBEE). The analysis was performed in accordance with guidance included in NEI 12-01, "Guideline for Assessing Beyond Design Basis Accident Response Staffing and Communication Capabilities," NEI 12-06, "Diverse and Flexible Coping Strategies (FLEX) Implementation Guide," and NMP-GM-038, "Diverse and Flexible Coping Strategies (FLEX) Program." The intent of this assessment is to identify the response of on-shift and augmented resources to an Extended Loss of Power (ELAP) incident impacting VEGP 3&4. The assessment addresses Phase 2 of the analysis applicable to implementation of existing Emergency Operating Procedure (EOP) and proposed FLEX strategies for prolonged loss of offsite power applicable to multi-unit sites during the initial and transition phases of the event utilizing the methodology of NEI 10-05, "Assessment of On-Shift Emergency Response Organization Staffing Capabilities." An initial on-shift staffing analysis was completed in October 2018 using the on-shift staffing identified in the SNC Standard Emergency Plan Annex for VEGP Units 3 and 4, Revision 4.0, Table 2.2.A. This analysis was updated April 2022 using the on-shift staffing identified in the SNC Standard Emergency Plan Annex for VEGP Units 3 and 4, Revision 6.0.

This analysis was conducted using current EOP/AOP revisions and proposed FLEX Strategy Guidelines. Use of these procedures is acceptable in accordance with NEI 12-01, page 4, Section 1.3.1.2:

"In accordance with the Order, each licensee must develop new strategies for mitigating the effects of beyond-design-basis external events. To ensure accurate results, the staffing assessment for response functions related to NTTF Recommendation 4.2 must be based on actions delineated in the procedures and guidelines developed in response to the Order. Once the site-specific actions associated with the new response strategies are defined (e.g., down to the procedure or guideline step level), the staffing needed to perform these actions can be assessed with the necessary level of accuracy."

Revision 2.0 of this report provided the initial Phase 2 report for Vogtle 3&4 applicable to implementation of existing EOP and proposed FLEX strategies for prolonged loss of offsite power during the first 24 hours of an ELAP (the initial response phase).

Staffing Assessment Process Overview

EOP guidance for responding to an ELAP affecting VEGP 3&4 and proposed Flex Strategy Guidelines (FSGs) were evaluated during the NEI 12-01 Phase 2 Staffing Assessment by a multi-disciplined team. The staffing assessment also addressed the ability of the on-shift staff to perform any required emergency response functions that would be degraded or lost prior to the delayed arrival of the augmented Emergency Response Organization (ERO).

The Phase 2 staffing analysis guidance requires that the ELAP scenario be evaluated using the minimum staffing in the Emergency Plan (NEI 12-01) along with the supplemental staff allowed by the minimum administrative staffing (NEI 12-06). SNC personnel determined that the staffing analysis would be conducted using only the minimum staffing identified in the Emergency Plan. SNC Standard Emergency Plan Annex for VEGP Units 3 and 4, Revision 6.0, Table 2.2.A, documents the approved minimum on-shift staff. Table 1 summarizes the available personnel used for performance of the NEI 12-01 Phase 2 staffing assessment.

Table 1

Position Title	VEGP 3&4 On-shift	VEGP 1&2 Shared Resource
Shift Manager (SM/STA)	1	1
Shift Supervisor (SRO)	2	
Shift Support Supervisor (SRO/FBL) Note I	1	1
Licensed Operator	1	1
Reactor Operator (RO)	4	
System Operator (SO) Note I	6	
RP Technician	2	
Chemistry Technician		1.
Maintenance Supervisor		
Mechanic		
Electrician		
I&C Technician	THE STREET	
Total On-Shift Personnel:	17	4
Fire Brigade Note 1	5	
Rescue Operations/First Aid Note 2		2
Security Personnel	Sec plan	

Note I – Fire Brigade is a collateral duty of Operations requiring 5 personnel without safe shutdown responsibilities. The Fire Brigade consists of 1Fire Brigade Leader (Shift Support Supervisor) and 4 Fire Brigade Members (System Operators). These individuals are not assigned safe shutdown responsibilities.

Note 2 – Rescue/First Aid is a collateral duty of RP personnel.

NEI 12-01 Phase 2 Assessment Results

Using NEI 12-01 guidance, the minimum on-shift staff as defined in SNC Standard Emergency Plan Annex for VEGP Units 3 and 4, Revision 6.0, Table 2.2.A, performed all actions required by the applicable EOPs, Abnormal Operating Procedures (AOPs) and Emergency Plan Implementing Procedures (EPIPs) in the first hour period relying only on installed structures, systems and components incorporated into the AP1000 design for passive response during the initial phase of the event. Once the ELAP condition was identified, the minimum on-shift staff performed required EOP, AOP, EPIPs, and proposed FSGs, including applicable proposed Strategy Implementation Guidelines (SIGs), within the applicable time constraints through twenty-four (24) hours. No conflicts or overlaps in functions or tasks required to be performed by on-shift operations and support personnel were identified during this analysis.

As limited site access begins to be restored within the six (6) to twenty-four (24) hour timeframe augmented Emergency Response Organization (ERO) personnel will be available to provide relief to the minimum on-shift staff as needed.

The analysis identified the two most personnel resource asset limiting FLEX strategies as:

- FSG-5, Debris Removal
- SIG-9, Deploy small portable generator and RapidCase/Setup RapidCase.

Phase 2 Staffing Assessment Details

The initial assessment of the Phase 2 On-shift Staffing Analysis (OSA) for VEGP 3 was conducted on October 10 and 30, 2018, using the guidance of NEI 12-01, NEI 12-06 and NEI 10-05. This assessment was validated by VEGP 3&4 personnel on May 27, 2021, with the report being updated in June 2021 to include actions applicable to Unit 4.

Revision 3.0 of this report was developed in May 2022, to incorporate Emergency Plan changes as approved by the NRC via SER dated 09/17/2021 ML21217A021

The following personnel were present to complete the October 2018 assessment and May 2021 validation:

Table 2 - Staffing Analysis Team

Personnel (Position/Title)	Number	Subject Matter Expertise							
Shift Supervisor (SRO) Note 1	1	Emergency Operating Procedure (EOP) actions for							
		SROs, ROs, and SOs							
		Abnormal Operating Procedure (AOP) actions for							
		SROs, ROs, and SOs							
		FLEX Support Guideline (FSG) actions for SROs,							
		ROs, and SOs							
		Operating Procedure actions							
		Emergency Director (E Plan) actions							
Operations Procedure Writer Note 1	FLEX Support Guideline (FSG) actions ROs, and SOs Operating Procedure actions Emergency Director (E Plan) actions Virter Note 1 1 AOP/EOP Procedure actions/revisions 1 AOP actions for ELAP 1 AOP/FLEX field actions SRO) 1 FLEX Support Guideline (FSG) Implementations Corporate) Note 1 1 FLEX Support Guideline (FSG) Implementations 1 FLEX Support Guideline (FSG) Implementations 1 RP Support 1 Chemistry Support 1 Chemistry Support 1 Security Support 1 Security Support 1 Security Response actions 1 Accountability Response actions								
Reactor Operator	1	Abnormal Operating Procedure (AOP) actions for SROs, ROs, and SOs FLEX Support Guideline (FSG) actions for SROs, ROs, and SOs Operating Procedure actions Emergency Director (E Plan) actions AOP/EOP Procedure actions/revisions AOP/EOP Procedure actions/revisions AOP/FLEX field actions FLEX Support Guideline (FSG) Implementation FLEX Support Guideline (FSG) Implementation EOP/AOP/FLEX actions RP Support Chemistry Support Security Support Security Response actions Accountability Response actions Emergency Plan response actions NEI 10-05, NEI 12-01, NEI 12-06 staffing analyses							
Nuclear Plant Operator	1	Abnormal Operating Procedure (AOP) actions for SROs, ROs, and SOs FLEX Support Guideline (FSG) actions for SRO ROs, and SOs Operating Procedure actions Emergency Director (E Plan) actions AOP/EOP Procedure actions/revisions AOP actions for ELAP AOP/FLEX field actions FLEX Support Guideline (FSG) Implementation FLEX Support Guideline (FSG) Implementation EOP/AOP/FLEX actions RP Support Chemistry Support Security Support Security Response actions Accountability Response actions Emergency Plan response actions							
FLEX Program (SME - SRO)	1	SROs, ROs, and SOs Abnormal Operating Procedure (AOP) actions for SROs, ROs, and SOs FLEX Support Guideline (FSG) actions for SROs, ROs, and SOs Operating Procedure actions Emergency Director (E Plan) actions AOP/EOP Procedure actions/revisions AOP actions for ELAP AOP/FLEX field actions FLEX Support Guideline (FSG) Implementation FLEX Support Guideline (FSG) Implementation EOP/AOP/FLEX actions RP Support Chemistry Support Security Support Security Response actions Accountability Response actions Emergency Plan response actions NEI 10-05, NEI 12-01, NEI 12-06 staffing analyse							
FLEX Program (SME - Corporate) Note 1	1	FLEX Support Guideline (FSG) Implementation							
Operations Training Manager	1	EOP/AOP/FLEX actions							
RP Supervisor	1	RP Support							
Chemistry Supervisor	1	Emergency Operating Procedure (EOP) actions for SROs, ROs, and SOs Abnormal Operating Procedure (AOP) actions for SROs, ROs, and SOs FLEX Support Guideline (FSG) actions for SROs, ROs, and SOs Operating Procedure actions Emergency Director (E Plan) actions AOP/EOP Procedure actions/revisions AOP actions for ELAP AOP/FLEX field actions FLEX Support Guideline (FSG) Implementation FLEX Support Guideline (FSG) Implementation FLEX Support Guideline (FSG) Implementation FLEX Support Chemistry Support Security Support Security Support Security Response actions Accountability Response actions Emergency Plan response actions Semergency Preparedness Emergency Preparedness							
Security Supervisor/Specialist	1	SROs, ROs, and SOs Abnormal Operating Procedure (AOP) actions for SROs, ROs, and SOs FLEX Support Guideline (FSG) actions for SROs, ROs, and SOs Operating Procedure actions Emergency Director (E Plan) actions AOP/EOP Procedure actions/revisions AOP/EOP Procedure actions/revisions AOP/FLEX field actions FLEX Support Guideline (FSG) Implementation FLEX Support Guideline (FSG) Implementation EOP/AOP/FLEX actions RP Support Chemistry Support Security Support Security Response actions Accountability Response actions Emergency Plan response actions NEI 10-05, NEI 12-01, NEI 12-06 staffing analyses							
Emergency Preparedness	2	Security Response actions							
Specialist/Coordinator (Site Note 1 and		Accountability Response actions							
Corporate)		Emergency Plan response actions							
EP Consultant Note 1	3	NEI 10-05, NEI 12-01, NEI 12-06 staffing analyses							
		Emergency Preparedness							
Note 1 – Provided support for May 2022 Valida	ition.								

Assumptions

The extended loss of AC power event was evaluated using the following assumptions, consistent with NEI 12-01, NEI 12-06 and applicable assumptions from NEI 10-05.

NEI 12-01 - Assumptions for Staffing Assessment:

- 1. A large-scale external event occurs (earthquake) that results in:
 - all on-site units affected
 - extended loss of AC power
 - impeded access to the units
- 2. Initially, all on-site reactors are operating at full power and are successfully shut down.
- 3. A Hostile Action directed at the affected site does not occur during the period that the site is responding to the event.
- 4. The event impedes site access as follows:

Phase 2 Staffing Assessment Details

The initial assessment of the Phase 2 On-shift Staffing Analysis (OSA) for VEGP 3 was conducted on October 10 and 30, 2018, using the guidance of NEI 12-01, NEI 12-06 and NEI 10-05. This assessment was validated by VEGP 3&4 personnel on May 27, 2021, with the report being updated in June 2021 to include actions applicable to Unit 4.

Revision 3.0 of this report was developed in May 2022, to incorporate Emergency Plan changes as approved by the NRC via SER dated

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		SROs, ROs, and SOs					
		Abnormal Operating Procedure (AOP) actions for					
		SROs, ROs, and SOs					
		FLEX Support Guideline (FSG) actions for SROs,					
		ROs, and SOs					
		Operating Procedure actions					
		Emergency Director (E Plan) actions					
Operations Procedure Writer Note 1	1	AOP/EOP Procedure actions/revisions					
Reactor Operator	1	AOP actions for ELAP					
Nuclear Plant Operator	1	AOP/FLEX field actions FLEX Support Guideline (FSG) Implementation FLEX Support Guideline (FSG) Implementation					
FLEX Program (SME - SRO)	1	AOS, ROS, and SOS conormal Operating Procedure (AOP) actions for AOS, ROS, and SOS EX Support Guideline (FSG) actions for SROS, Sos, and SOS cerating Procedure actions ceregency Director (E Plan) actions DP/EOP Procedure actions/revisions DP actions for ELAP DP/FLEX field actions EX Support Guideline (FSG) Implementation EX Support Guideline (FSG) Implementation DP/AOP/FLEX actions P Support Curity Support Curity Support Curity Response actions Countability Response actions Countability Response actions CET 10-05, NET 12-01, NET 12-06 staffing analyses					
FLEX Program (SME - Corporate) Note 1	1	FLEX Support Guideline (FSG) Implementation					
Operations Training Manager	1	Emergency Operating Procedure (EOP) actions for SROs, ROs, and SOs Abnormal Operating Procedure (AOP) actions for SROs, ROs, and SOs FLEX Support Guideline (FSG) actions for SROs, ROs, and SOs Operating Procedure actions Emergency Director (E Plan) actions AOP/EOP Procedure actions/revisions AOP actions for ELAP AOP/FLEX field actions FLEX Support Guideline (FSG) Implementation					
RP Supervisor	1 Emergency Operating Procedure (EOP) actions for SROs, ROs, and SOs Abnormal Operating Procedure (AOP) actions for SROs, ROs, and SOs FLEX Support Guideline (FSG) actions for SROs, ROs, and SOs Operating Procedure actions Emergency Director (E Plan) actions 1 AOP/EOP Procedure actions/revisions 1 AOP actions for ELAP 1 AOP/FLEX field actions 1 FLEX Support Guideline (FSG) Implementation 1 FLEX Support Guideline (FSG) Implementation 1 EOP/AOP/FLEX actions 1 RP Support 1 Chemistry Support 2 Security Support 2 Security Response actions Accountability Response actions Emergency Plan response actions NEI 10-05, NEI 12-01, NEI 12-06 staffing analyses Emergency Preparedness						
Chemistry Supervisor	Emergency Operating Procedure (EOP) actions for SROs, ROs, and SOs Abnormal Operating Procedure (AOP) actions for SROs, ROs, and SOs FLEX Support Guideline (FSG) actions for SROs, ROs, and SOs Operating Procedure actions Emergency Director (E Plan) actions						
Security Supervisor/Specialist	1	Security Support					
Emergency Preparedness	2	Security Response actions					
Specialist/Coordinator (Site Note 1 and		Accountability Response actions					
Corporate)		Emergency Plan response actions					
EP Consultant Note 1							
Note 1 – Provided support for May 2022 Val	lidation.						

Assumptions

The extended loss of AC power event was evaluated using the following assumptions, consistent with NEI 12-01, NEI 12-06 and applicable assumptions from NEI 10-05.

NEI 12-01 - Assumptions for Staffing Assessment:

- 1. A large-scale external event occurs (earthquake) that results in:
 - all on-site units affected
 - extended loss of AC power
 - impeded access to the units
- 2. Initially, all on-site reactors are operating at full power and are successfully shut down.
- A Hostile Action directed at the affected site does not occur during the period that the site is responding to the event.
- 4. The event impedes site access as follows:

- A. Post-event time: 6 hours No site access. This duration reflects the time necessary to clear roadway obstructions, use different travel routes, mobilize alternate transportation capabilities (e.g., private resource providers or public sector support), etc.
- B. Post-event time: 6 to 24 hours Limited site access. Individuals may access the site by walking, personal vehicle or via alternate transportation capabilities (e.g., private resource providers or public sector support).
- C. Post-event time: 24+ hours Improved site access. Site access is restored to a near-normal status and/or augmented transportation resources are available to deliver equipment, supplies and large numbers of personnel.
- 5. On-shift personnel are limited to the minimum complement allowed by the site emergency plan.
- 6. The staffing assessment uses the applicable actions from the Station Blackout (SBO) coping strategies in place at the time of the assessment.
- The staffing assessment includes the INPO IER improvement actions already implemented at the time of the assessment.
- 8. Equipment credited in current coping strategies remains available for use.

NEI 10-05 - Applicable Assumptions:

- 9. On-shift personnel can report to their assigned response locations within timeframes sufficient to allow for performance of assigned actions.
- 10. The on-shift staff possesses the necessary Radiation Worker qualifications to obtain normal dosimetry and to enter Radiologically Controlled Areas (but not high, locked high or very high radiation areas) without the aid of a Radiation Protection Technician.
- 11. Personnel assigned to the major response area of Plant Operations & Safe Shutdown meet the requirements and guidance established by NRC regulations and are able to satisfactorily perform the functions and tasks necessary to achieve and maintain safe shutdown. Staff performance within this area is not evaluated as part of this assessment unless a role/function/task from another major response area is assigned as a collateral duty.
- 12. On-site security organization: Performance of this function is regularly analyzed through other station programs and will not be evaluated here unless a role or function from another major response area is assigned as a collateral duty.
- 13. Individuals holding the position of Radiation Protection Technician or Chemistry Technician are qualified to perform the range of tasks expected of their position.
- 14. The task of making a simple and brief communication has minimal impact on the ability to perform other assigned functions/tasks and is therefore an acceptable collateral duty for all positions. This assumption does not apply to emergency notification to an Offsite Response Organization (ORO) or the NRC.
- 15. The task of performing a peer check has minimal impact on the ability to perform other assigned functions/tasks and is therefore an acceptable collateral duty for all positions.
- 16. The analyzed events occur during off-normal work hours at a time when augmented ERO responders are not at the site (e.g., during a backshift, weekend, or holiday). For purposes of this analysis, and consistent with NEI 12-01 assumption #4, 360 minutes (6 hours) will be used as the time period for the conduct of onshift ERO response actions.

NEI 12-06 Assumptions

17. Prior to the event the reactor has been operating at 100 percent rated thermal power for at least 100 days or has just been shut down from such a power history as required by plant procedures in advance of the impending event.

- 18. At the time of the postulated event, the reactor and supporting systems are within normal operating ranges for pressure, temperature, and water level for the appropriate plant condition. All plant equipment is either normally operating or available from the standby state as described in the plant design and licensing basis.
- 19. No specific initiating event is used. The initial condition is assumed to be a loss of off- site power (LOOP) at a plant site resulting from an external event that affects the off-site power system either throughout the grid or at the plant with no prospect for recovery of off-site power for an extended period. The LOOP is assumed to affect all units at a plant site.
- 20. All installed sources of emergency on-site ac power and SBO Alternate ac power sources are assumed to be not available and not imminently recoverable.
- 21. Cooling and makeup water inventories contained in systems or structures with designs that are robust with respect to seismic events, floods, and high winds, and associated missiles are available.
- Normal access to the ultimate heat sink is lost, but the water inventory in the UHS remains available and robust piping connecting the UHS to plant systems remains intact. The motive force for UHS flow, i.e., pumps, is assumed to be lost with no prospect for recovery.
- 23. Fuel for FLEX equipment stored in structures with designs which are robust with respect to seismic events, floods and high winds and associated missiles, remains available.
- 24. Permanent plant equipment that is contained in structures with designs that are robust with respect to seismic events, floods, and high winds, and associated missiles, are available.
- 25. Other equipment, such as portable ac power sources, portable back up dc power supplies, spare batteries, and equipment for 50.54(hh)(2), may be used provided it is reasonably protected from the applicable external hazards per Sections 5 through 9 and Section 11.3 of this guidance and has predetermined hookup strategies with appropriate procedures/guidance and the equipment is stored in a relative close vicinity of the site
- 26. Installed electrical distribution system, including inverters and battery chargers, remain available provided they are protected consistent with current station design.
- 27. No additional events or failures are assumed to occur immediately prior to or during the event, including security events and fires.
- 28. Reliance on the fire protection system ring header as a water source is acceptable only if the header meets the criteria to be considered robust with respect to seismic events, floods, and high winds, and associated missiles.
- 29. Initial coping is through installed plant equipment, without any ac power or makeup to the UHS. This covers the 0-72 hour's basis for passive systems performance for core, containment and spent fuel pool cooling. (AP1000 specific)

Plant Specific Assumptions

- 30. Hand-held radio batteries have a capability of approximately four (4) hours under anticipated load. Radios work line of sight.
- 31. Plant public address system, using GAI Tronics, is available for two (2) hours on batteries.
- 32. Sound powered phones are available for use during the initial and transition phases.
- 33. Five (5) battery-operated satellite phones, including extra batteries and chargers will be available for use by emergency response personnel for onsite and offsite communications. These units are also utilized to contact the Emergency Operations Facility (EOF). Two (2) additional satellite phones, including extra batteries and chargers are available for emergency response in the EOF.
- 34. All equipment credited in current coping strategies remains available for use.
- 35. The JIC is located approximately 15 miles from the site and is available as a staging facility. The JIC is provided with a back-up propane generator.

- 36. The EOF is located in Birmingham, Alabama, which is > 275 miles from the site and is available to provide required support.
- 37. VEGP 1&2 response will have priority for ERO augmented staffing if limited ingress requires prioritization of tasks and resources. Within 12 hours critical staffing at VEGP 1&2 will not impact augmented ERO resources for VEGP 3&4.

Methodology

The on-shift staffing assessment was performed using NEI 12-01, NEI 12-06 and NEI 10-05. Subject matter experts and consultants provided analysis support. The assessment was conducted via a tabletop procedural analysis using VEGP 3&4 procedures to determine if tasks have been sufficiently analyzed for performance by the minimum onshift staff as designated in the Emergency Plan. The following provides a summary of the process that was used.

Each on-shift position from the SNC Standard Emergency Plan Annex for VEGP Units 3 and 4, Revision 6.0, Table 2.2.A, was entered in Appendix 1, NEI 10-05 Table 1. For position titles with more than one position holder, a unique sequential number was assigned to each position. The site emergency plan reference that describes the requirement for the position to be on-shift was then entered into column 3 of Appendix 1, NEI 10-05 Table 1. Using only the on-shift positions entered in the table, the following Appendix 1 tables were completed by entering the shift position that fills a described role, or performs a specific function or task:

- NEI 10-05 Table 2 Minimum Operations Crew Necessary to Implement AOPs and EOPs, FSGs or SAMGs if applicable
- Table 2A Procedure Task Timing (timeline of activities corresponding to NEI 10-05 Table 2)
- NEI 10-05 Table 3 Firefighting (not applicable for this event analysis)
- NEI 10-05 Table 4 Radiation Protection & Chemistry (timeline of RP and Chemistry activities)
- NEI 10-05 Table 5 Emergency Plan Implementation
- Table 5A E-Plan Implementation (timeline of activities corresponding to NEI 10-05 Table 5)

Following completion of each of the above tables, each on-shift position assigned to the associated table was located on Appendix 1, NEI 10-05 Table 1. For each position, the table number and associated line number was then entered in column 4, "Role in Table#/Line#". If the associated task required additional actions, a 'Yes' was placed in the last column and the additional action recorded in the results section of this report.

The OSA was conducted using the following process:

- 1. Selection of the multi-disciplined work group
- Scheduling the tabletop for VEGP 3&4 to allow free access to required procedures and administrative documents
- 3. Conduct of a pre-job briefing outlining the requirements of NEI 12-01, NEI 12-06 and NEI 10-05
- 4. Review of the event initial conditions and assumptions
- 5. Performance of the tabletop procedural analysis
- Documentation of the results of the tabletop by EC² using the NEI 10-05 forms modified to extend to 24 hours.

This review provided the team with a basic understanding of the event and resulting emergency classifications. The SRO reviewed EOP, AOP and FSG actions and identified them to the team. Specific site procedures referenced during assessment of this postulated event are provided in Table2A. Resources needed to perform initial and transition phase response actions were identified from the EOP, AOP, or FSG procedures and documented. The team determined when other on-shift resources, such as the RP or Chemistry Technician, would be required and identified the time required to perform expected emergency plan functions. This information was documented on the applicable tables in Appendix 1 of this report. Finally, the on-shift resources and their actions were summarized in the tables using the NEI 10-05 documentation process in Appendix 1, NEI 10-05 Table 1.

Security Considerations

Implementation of the VEGP 3&4 FLEX coping strategies does not require the use of Security Officers to perform duties unrelated to their assigned roles (e.g., debris removal/equipment movement and staging). Security Officers

will perform functions within their current roles such as monitoring and controlling site/protected area access and providing compensating measures for any vital area doors that may need to remain open to facilitate room environmental conditions.

Strategy Resource Loading

An evaluation of each FSG was also conducted to determine the resources needed to accomplish the tasks associated with the strategy and the estimated duration of the task.

Table 3 - VEGP 3&4 FLEX Strategy Resource Allocation

FSG	Description	Resources	Duration	Notes				
	Purge generator H ₂	SO (2)	5 hrs	Action directed by 3/4-AOP-302 Step 2 RNO				
	Disable automatic ADS actuation	SO (2)	0.5 hrs	Action directed by 3/4-AOP-302				
NMP-OS-019-405 FSG-5 NMP-OS-019-425 FSG-5	Damage Assessment and FLEX E	quipment Staging						
	Assess Plant Conditions - Field Actions	SO (2)	1.0 hrs	Performed IAW FSG-5				
NMP-OS-019-405 FSG-5 NMP-OS-019-425 FSG-5	Assess Haul Path	SEC (2)	1.0 hrs	Evaluate path and overhead line status				
	Debris Removal	ERO (2)	2.0 hrs	Initiated after VEGP 1&2				
SIG-9	Communications – Setup RAPIDO							
	Deploy small portable generator for U3 RAPIDCASE	SO1 SO2	1.0 hrs	U3 portable generator and				
NMP-OS-019-405 FSG-5 NMP-OS-019-425 FSG-5	Deploy and setup U3 RAPIDCASE	SO1 SO2	2.0 hrs	RAPIDCASE deployment performed in series				
	Deploy small portable generator for U4 RAPIDCASE	SO5/FBM3 SO6/FBM4	1.0 hrs	U4 portable generator and				
	Deploy and setup U4 RAPIDCASE	SO5/FBM3 SO6/FBM4	2.0 hrs	RAPIDCASE deployment performed in series				
	Deploy and Setup RAPIDCOM	ERO (1)	1.0 hrs	RAPIDCOM can be deployed within six hours after a debris path has been cleared.				

Resource Limiting

Appendix 1 - Staffing Tables

VEGP 3&4 On-Shift Personnel Assignments Used During Phase 2 Staffing Analysis (Standard Emergency Plan)

On-Shift Operator Assignments

Position	Designation	Assignment						
Shift Manager	SM1	U3/4 Shift Manager/Emergency Director/STA						
Shift Supervisor	SRO1	U3 Shift Supervisor						
Shift Support Supervisor	SRO2	Shift Support Supervisor/Fire Brigade Leader						
Shift Supervisor	SRO3	U4 Shift Supervisor						
Reactor Operator	RO1	U3 Operator At Controls (OATC)						
Reactor Operator	RO2	U3 Licensed Operator – Balance of Plant (BOP)						
Reactor Operator	RO3	U4 Operator At Controls (OATC)						
Reactor Operator	RO4	U4 Licensed Operator – Balance of Plant (BOP)						
Shift Support SupervisorSRO2Shift Support Supervisor/Fire Brigade LeaderShift SupervisorSRO3U4 Shift SupervisorReactor OperatorRO1U3 Operator At Controls (OATC)Reactor OperatorRO2U3 Licensed Operator – Balance of Plant (BOP)Reactor OperatorRO3U4 Operator At Controls (OATC)								
Reactor OperatorRO1U3 Operator At Controls (OATC)Reactor OperatorRO2U3 Licensed Operator — Balance of Plant (BOP)Reactor OperatorRO3U4 Operator At Controls (OATC)Reactor OperatorRO4U4 Licensed Operator — Balance of Plant (BOP)Licensed OperatorSC1Shift ENN/ENS Communicator (SRO)System OperatorSO1U3 SOSystem OperatorSO2U4 SO								
System Operator	SO2	U4 SO						
System Operator	SO3/FBM1	Fire Brigade Member						
System Operator	SO4/FBM2	Fire Brigade Member (Rover SO)						
System Operator	SO5/FBM3	Fire Brigade Member (Diesel Building SO)						
System Operator	SO6/FBM4	Fire Brigade Member						

Other On-Shift Assignments Used During Analysis

Position	Designation	Assignment
RP Technician	RP1	RP Support
RP Technician	RP2	RP Support
CAS Operator	SEC1	CAS Support/Accountability
Security Supervisor	SEC2	Security Shift Supervisor
Security Officer	SEC3	Roving Patrol
Shift Manager	SM3	U1&2 Shift Manager/Emergency Director
Shift Support Supervisor	SRO4	U1&2 Shift Support Supv/Fire Brigade Leader
Licensed Operator	SC2	Shift ENN/ENS Communicator
Chemistry Technician	CT1/DA	Chemistry Support/Dose Assessment

VEGP 1&2 Shared Resources

Line	On-shift Position	Emergency Plan Reference	Augmentation Elapsed Time (mins)	Role in Table#/Line#	Unanalyzed Task	Action Required?
13.	System Operator (SO4/FBM2)	SNC Standard E Plan Annex for VEGP Unit 3&4, Table 2.2.A	N/A	T2/L11	Yes	Yes Note 2
14.	System Operator (SO5/FBM3)	SNC Standard E Plan Annex for VEGP Unit 3&4, Table 2.2.A	N/A	T2/L12	No	No
15.	System Operator (SO6/FBM4)	SNC Standard E Plan Annex for VEGP Unit 3&4, Table 2.2.A	N/A	T2/L13	Yes	Yes Note 2
16.	RP Technician (RP1)	SNC Standard E Plan Annex for VEGP Unit 3&4, Table 2.2.A	360	T4/L1	No	No
17.	RP Technician (RP2)	SNC Standard E Plan Annex for VEGP Unit 3&4, Table 2.2,A	360	N/A	N/A	N/A
18.	Chemistry Technician (CT1/DA)	SNC Standard E Plan Annex for VEGP Unit 3&4, Table 2.2.A	75	T4/L5 T5/L9	No	No
19.	CAS Operator (SEC1)	SNC Standard E Plan Annex for VEGP Unit 3&4, Table 2.2.A	N/A	N/A	N/A	N/A
20.	Security Shift Supervisor (SEC2)	SNC Standard E Plan Annex for VEGP Unit 3&4, Table 2.2.A	N/A	N/A	N/A	N/A
21.	Security Officer-Roving Patrol (SEC3)	N/A	N/A	T2/L14	Yes	Yes Note 2

Notes:

Although multiple functions have been identified for some positions, no conflict exists requiring further action. Performance of these functions by the identified positions is either acceptable by NEI 10-05 guidance, **OR** the functions are the same, **OR** the functions are performed sequentially without issue.

Note 1 – Training on use of satellite phones for offsite/NRC communications during an ELAP

Note 2 – Training on FLEX/SIG response actions



Resource available to support FSG/SIG actions VEGP 1&2 Shared Resources

NEI 10-05 TABLE 2 - Plant Operations & Safe Shutdown

Two Units – Two Control Rooms (VEGP 3 and 4) Minimum Operations Crew Necessary to Implement AOPs and EOPs, or FSGs/SIGs if applicable

Line	Generic Title/Role	On-Shift Position	Task Performance Validation
1.	Shift Manager	U3 Shift Manager/ED (SM1)	Operations Training
2.	Shift Supervisor	U3 Shift Supervisor(SRO1)	Operations Training
3.	Shift Supervisor	U4 Shift Supervisor (SRO3)	Operations Training
4.	Reactor Operator (OATC)	U3 Operator At Controls - OATC (RO1)	Operations Training
5.	Reactor Operator (BOP)	U3 Licensed Operator –BOP (RO2)	Operations Training
6.	Reactor Operator (OATC)	U4 Operator At Controls - OATC (RO3)	Operations Training
7.	Reactor Operator (BOP)	U4 Licensed Operator –BOP (RO4)	Operations Training
8.	Non-Licensed Operator	U3 System Operator (SO1)	Operations Training
9.	Non-Licensed Operator	U4 System Operator (SO2)	Operations Training
10.	Non-Licensed Operator	System Operator (SO3/FBM1)	Operations Training
11.	Non-Licensed Operator	System Operator (SO4/FBM2)	Operations Training
12.	Non-Licensed Operator	System Operator (SO5/FBM3)	Operations Training
13.	Non-Licensed Operator	System Operator (SO6/FBM4)	Operations Training

Notes: See Table 2A for AOP/EOP/FLEX actions

Other (non-Operations) Personnel Necessary to Implement AOPs and EOPs, or FSGs/SIGs if applicable

Line	Generic Title/Role	On-Shift Position	Task Performance Validation
14.	Security Officer	Security Officer (SEC3) - Roving Patrol	Security Training

Notes: See Table 2A for AOP/EOP/FLEX actions



12-01 Phase 2 OSA applicable to VEGP 3&4

Procedure Step/Actions				Mir	utes -	- Hour	1						Perfo	rmano	e Tin	ne Aft	er Pr	ocedu	re Imp	lemer Ho											
Step	Task	Resource	0- 10	10- 20	20- 30	30- 40	40- 50	50- 60	2	3	4	5	6	7	8	9	10	11	12	THE PERSON	and Brosenski	15	16	17	18	19	20	21	22	23	2
3-EOP-E-0, Reacto	r Trip or Safeguards Actuation	Rev 1.1; 4-EOP-E-0, F	Reactor T	-	_			-	ev x	K					1		1						-								
Step 1 – 2	Immediate operator actions	SR01 SR03 R01 R02 R03 R04	×																												
Step 4	Transition to ES-0.1	SRO1 SRO3 RO1 RO2 RO3 RO4	×																												
	actor Trip Response, Rev 1.2; 4		Trip Resp	onse,	Rev xx	(Sin	
Step 1 – 16	Verify plant stabilization	SRO1 SRO3 RO1 RO2 RO3 RO4	>	(
Step 17a RNO	Ensure seal oil pump running	SR01 SR03 R01 R03		x																											
Step 17b – 17d RNO	Direct implementation of 3/4-AOP-302 and continue to step 26 of 3/4-EOP-ES- 0.1	SR01 SR03 R01 R03		x																											
Step 26 - 41	Maintain plant conditions	RO1 RO3		X (Periodic)																											
Fold out page criteria	Transition to E-0	SR01 SR03 R01 R03		X																											

	Procedure Step/Actions											Perfo	rmano	e Tim	ne Aft	er Pro	cedu	e Impl												
	Procedure Step/Actions				inutes -														Ηοι	ır										
Step	Task	Resource	0- 10	10-	20- 30	30- 40	40- 50	50- 60	2 3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
3-EOP-E-0, Reacto	r Trip or Safeguards Actuation	, Rev 1.1 (continued):	4-EOP-E-	0, Rea	actor T	ip or S	afegu	ards Ac	tuation	, Rev	кх		-	Accessor																
Step 5	Implement NMP-EP-141- 004	SM1		X																										
Step 6 – 22	Verify proper operation of safeguards	R01 R03		Х																										
Step 24	Implement Att1	R02 R04		X																										
Step 24 – 27	Assessment of FPB Transition to E-1	RO1 RO3			х																									
3-EOP-E-1. Loss o	Reactor or Secondary Coolan	t, Rev 1.0; 4-EOP-E-1,	Loss of I	Reacto	or or Se	conda	ry Cod	olant, Re	ev xx							· ·							diameter.			damen.				
Step 1 - 2	Check secondary integrity	R01 R03			X																									
Step 3	Check switchyard busses energized – go to step 24 and implement 3/4-AOP- 302	RO1 RO3			X																									
Step 24 – 30	Evaluate plant conditions and power and return to step 24	RO1 RO3			x																									
3-AOP-302, Loss of	f AC Power, Rev 1.1; 4-AOP-30	2, Loss of AC Power,	Rev xx																											
Step 1	Check switchyard busses energized -	RO2 RO4			Х																									
Step 1 RNO	Dispatch operator to evaluate DG's/attempt local start	RO2 RO4			×																									
Step 1 RNO	Evaluate DG's and attempt local start	SO5/FBM3			>																									
Step 2 RNO	Purge generator H2	SO3/FBM1 SO4/FBM2						X																						
Step 5b RNO	Go to Att 3	RO2 RO4			X																									
Att 3 step 1c RNO	Verify MCR isolation and initiate 3-AOP-501	R02 R04				X																								

12-01 Phase 2 OSA applicable to VEGP 3&4

Table 2A – Procedure Task Timing

	Procedure Step/Actions		_						_				Perfor	mano	e Tin	ie Aft	er Pro	cedu	re Impl			1			_							
	T		0-	M1	nutes -	- Hour	40-	50-	-		_			1000000		O DOSCOVIO	Total State of the last of the	I DOS SAUDOS	District Co.	Hou	NO INCOME			and March			DOMESTIC DES	COLUMN TO	The second Property of	2000000	Sign to process	
Step	Task	Resource	10	20	30	40	50	60	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	5 17		18	19	20	21	22	23	24
Att 3 step 3	Check IDS 72hr UPS busses energized	RO2 RO4				X																										
Att 3 step 4	Check 120 VAC distribution panel energized	RO2 RO4				Х																										
Att 3 step 5 RNO	Go to step 13	RO2 RO4				X																										
Att 3 step 13 RNO	Check ADS actuation criteria	R02 R04				Х																										
Att 3 step 27	Check if Passive Containment Cooling actuated	RO2 RO4					X																									
Att 3 step 27b RNO	Go-to Step 30	RO2 RO4					Х																									
Att 3 step 30 RNO	Verify ADG should be started	R02 R04					Х																									
Att 3 step 31	Check stable plant conditions	R02 R04					Х																									
Att 3 step 32	Review P72's hours for applicability	SRO1 SRO3					Χ																									
Att 3 step 33	Check outside air >35 degrees	RO2 RO4					Х																									
Att 3 step 34	Continue efforts to restore power to IDS batteries (periodic)	RO2 RO4					x																									
3-AOP-501, Loss of	Main Control Room Air Condi	itioning, Rev 1.0, 4-AOF	-501, L	oss of	Main C	ontro	Roor	n Air	Condi	tionin	g, Re	v x.x																				
Step 1	Check MCR rad monitors not in HIGH-2 ALARM:	R02 R04						Х																								
Step 2 RNO	Go To Attachment 1, Alternate MCR Cooling	RO2 RO4						X																								
Att 1 step 1	Check MCR Isolation - ON	RO2 RO4						X																								
Att 1 step 2	Suspend movement of irradiated fuel	RO2 RO4						Х																				1000 1000 1000				
Att 1 step 3	Request that RP establish surveys in the MCR area.	RO2 RO4						X																								
Att 1 step 4	Restrict heat inputs to MCR	R02 R04						Х																								

12-01 Phase 2 OSA applicable to VEGP 3&4

	Procedure Step/Actions											F	erfor	manc	e Tim	e Afte	er Pro	cedur	e Imple												_
	Troccare eleptrotions				nutes -															Hour							,				_
Step	Task	Resource	0- 10	10- 20	20- 30	30- 40	40- 50	50- 60	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	1
Att 1 step 5	Check if stage 1 loads have been shed	RO2 RO4							X																						
Att 1 step 6	Ensure VBS Fans are stopped	RO2 RO4							X																						
Att 1 step 7-9	Ensure MCR boundary MOVs closed	RO2 RO4							X																						
Att 1 step 10	Ensure at least one MCR Supply SOV is open	RO2 RO4							X																						
Att 1 step 11	Ensure at least one MCR Relief AOV is open	RO2 RO4							X																						
Att 1 step 12	Ensure MCR/CSA AHU Exh Control Dampers in manual and closed	RO2 RO4							x																						
Att 1 step 13	Check MCR air temperature is less than 75°F	RO2 RO4							X																						
Att 1 step 14	Check VES Capacity is greater than 327,574 scf	RO2 RO4							Х																						
Att 1 step 15	Check MCR air flow is greater than 60 scfm	RO2 RO4							Х																						
Att 1 step 16	Ensure one MCR Humidifier is in service	RO2 RO4								X																				las	
Att 1 step 17.a RNO	Continue to step 18 (perform step 17.b 180 minutes after MCR isolation)	RO2 RO4								x																					
Att 1 step 18.a RNO	Continue to step 19 (perform step 18.b-18.c 24 hours after MCR isolation)	RO2 RO4								X																					
Att 1 step 19	Check if MCR Ancillary Fans should be started an d return to AOP-302, Att 3 Step 1C RNO3	RO2 RO4								X																					
Att 1 step 17.b	Check stage 2 load shed	RO2 RO4											X																		

19 of 24

12-01 Phase 2 OSA applicable to VEGP 3&4

	Procedure Step/Actions											Pe	erfori	mance	Tim	e Afte	r Pro	cedur	e Imp	lemen	tation	1										
	Frocedure Step/Actions				nutes -															Hou	ır											
Step	Task	Resource	0- 10	10- 20	20- 30	30- 40	40- 50	50- 60	2	3	4	5	6	7	8	9	10	11	12	13	14	1:	5 1	16	17	18	19	20	21	22	23	24
NMP-OS-019-40	05, Vogtle Unit 3 FSG-5, Initial Ass	essment and FLEX Equ	ipment	Stagin	g, Rev	1.0; N	MP-OS	-019-4	25, \	ogtle L	nit 4	FSG-	5 Init	ial As	sessi	ment	and F	LEXE	quip	ment S	Stagin	g, Re	v x.x					-51	wie.			
Steps 1-3	Initial plant assessment – haul path/staging areas IAW Attachment 1	SEC3 (roving patrol)							X																							
	Initial plant assessment IAW Attachment 1	SO1 SO2							X																							
Step 4	Debris Removal	ERO (2)							X											X												
Step 5	Deploy small portable generator for U3 RapidCase IAW NMP-OS- 019-469 (SIG 9), Communications, Rev 1.0	SO1 SO2								X																						
	Deploy U3 RapidCase IAW NMP-OS-019-469	SO1 SO2									X	(= 7																				
	Deploy small portable generator for U4 RapidCase IAW NMP-OS- 019-469 (SO5/FBM3 SO6/FBM4								X																						
	Deploy U4 RapidCase IAW NMP-OS-019-469	SO5/FBM3 SO6/FBM4									Х																					
	Deploy RapidCom IAW NMP-OS-019-469	ERO (1)																			X											

Notes: Field communications provided through use of sound-powered phones and plant radios (once RapidCase is installed).

Procedures for Unit 4 are still in development; however, guidance from Vogtle Unit 3 procedures are applicable to Vogtle Unit 4 and were used as appropriate.

Pre-Augmentation Post-Augmentation EOP/AOP Action/Strategy FLEX Strategy (FSG/SIG/NMP) Task completion time

NEI 10-05 TABLE 3 – Firefighting

Line	Performed By	Task Analysis Controlling Method
1.	N/A	N/A
2.	N/A	N/A
3.	N/A	N/A
4.	N/A	N/A
5.	N/A	N/A

Notes: Not required by scenario – Fire Brigade members available to support BDBEE response actions.

21 of 24

NEI 10-05 TABLE 4 - Radiation Protection & Chemistry

	Position Performing	Perfor	mance T	ime Per	iod Afte	r Event l	nitiation									
Line	Function/Task			M	linutes							Hours				
	runction/ rask	0-10	10-20	20-30	30-40	40-50	50-60	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10
1.	In-Plant Survey Describe: U3 and U4 MCR radiological survey Note 1 On-Shift Position: RP1							(Po	X eriodic/I	Hourly)				Augmen (Periodic		
2.	Out of Plant Survey (inside PA) On-Shift Position:															
3.	Personnel Monitoring On-Shift Position:										7.4					
4.	Job Coverage – On-Shift Position:											, n				
5.	Dose Assessment On-Shift Position: CT1/DA		2	ζ							Aug	gmented	ERO			
6.	Other Site-Specific RP – Describe: On-Shift Position:															
7.	Chemistry function/task #1 – Describe: On-Shift Position:															
8.	Chemistry function/task #2 – Describe: On-Shift Position:							1								

Notes: NMP-EP-147, Offsite Dose Assessment, Rev 5.0

EOF augmented resources available to support actions after T+90 minutes

Onsite augmented resources available to support actions after T=6 hours

Note 1 - Periodic (hourly) radiological survey of U3 and U4 MCR IAW 3-AOP-501, Rev 1.0 and 4-AOP-501, Rev x.x Attachment 1 step 3



Task completion time Task performed by Augmented ERO VEGP 1&2 Shared Resource

22 of 24

NEI 10-05 TABLE 4 - Radiation Protection & Chemistry

Lina	Position Ponforming Function/Tools	Perfori	mance T	ime Peri	od After	Event In	nitiation	(hours)							
Line	Position Performing Function/Task	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24
1.	In-Plant Survey Describe: U3 and U4 MCR radiological survey On-Shift Position: Augmented ERO								ited ERO (Hourly)						
2.	Out of Plant Survey On-Shift Position:														
3.	Personnel Monitoring On-Shift Position:														
4.	Job Coverage On-Shift Position:														
5.	Dose Assessment On-Shift Position: Augmented ERO							Augmen	ited ERO						
6.	Other Site-Specific RP – Describe: On-Shift Position:								1.02						
7.	Chemistry function/task #1 – Describe: On-Shift Position:														
8.	Chemistry function/task #2 – Describe: On-Shift Position:														

Notes: NMP-EP-147, Offsite Dose Assessment, Rev 5.0

EOF augmented resources available to support actions after T+90 minutes

Onsite augmented resources available to support actions after T=6 hours

Note 1 – Periodic (hourly) radiological survey of U3 and U4 MCR IAW 3-AOP-501, Rev 1.0 and 4-AOP-501, Rev x.x Attachment 1 step 3

Task completion time Task performed by Augmented ERO

NEI 10-05 TABLE 5 - Emergency Plan Implementation

Line	Function/Task	On-Shift Position	Task Analysis Controlling Method
1.	Declare the Emergency	SM1	EP/Ops Training and EP Drill Program
2.	ERO notification	SC1	EP/Ops Training and EP Drill Program
3.	Notification and direction to on-shift staff (e.g., to assemble, evacuate, etc.)	SC1	EP/Ops Training and EP Drill Program
4.	Abbreviated NRC notification for DBT event	N/A	EP/Ops Training and EP Drill Program
5.	Complete State/local notification form	SM1	EP/Ops Training and EP Drill Program
6.	Approve State/local notifications	SM1	EP/Ops Training and EP Drill Program
7.	Approve Offsite PARs	SM1	EP/Ops Training and EP Drill Program
8.	Perform State/local notifications Note 1	SC1	EP/Ops Training and EP Drill Program
9.	Dose Assessment Note 2	CT1/DA	EP/Security Training and EP Drill Program
10.	Complete NRC event notification form	SM1	EP Training and EP Drill Program
11.	Perform NRC notifications Note 3	SC1	EP/Ops Training and EP Drill Program
12.	Activate ERDS Note 4	N/A	EP/Ops Training and EP Drill Program
13.	Perform other site-specific event notifications Note 5	SC1	EP/Ops Training and EP Drill Program
14.	Personnel accountability	N/A	EP/Ops Training and EP Drill Program
15.	Approve extension to allowable dose limits	N/A	EP/Ops Training and EP Drill Program

Notes: EAL – SA1, Alert

NMP-EP-141, Event Classification, Rev 3.0

NMP-EP-141-004, Vogtle 3&4 Emergency Action Levels and Basis, Rev 3.0

NMP-EP-142, Emergency Notification, Rev 5.0

NMP-EP-147, Offsite Dose Assessment, Rev 5.0

Note 1 – Initial notification made by satellite phone, State and local notifications are assumed by the EOF once activated.

Note 2 – Initial Dose Assessments performed at initial Alert declarations. No release in progress.

Dose Assessment is assumed by the EOF once activated.

Note 3 – NRC notifications are assumed by EOF personnel once activated.

Note 4 – ERDS unavailable due to ELAP.

Note 5 – SC1 notifies Duty Manager (DM) IAW NMP-EP-142, Emergency Notification, after Alert communication completed. EOF notifies INPO, ANI, SAFER and other groups once activated.

VEGP 1&2 Shared Resource

Table 5A - E-Plan Implementation Timeline

Function/Task	On-shift							Time	from I	Event l	Initiati	on (mi	nutes)						
runction/ rask	Position	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
Declare the Emergency	SM1		SA1																
ERO notification	SC1					Х													
Notification and direction to on-shift	SC1					Х													
staff (e.g., to assemble, evacuate, etc.)						Λ													
Abbreviated NRC notification for DBT	N/A																		
event																			
Complete State/local notification form	SM1					Υ													X
Approve State/local notifications	SM1					X													X
Approve Offsite PARs	SM1																		
Perform State/local notifications Note I	SC1						7	ζ											X
Dose Assessment Note 2	CT1/DA					X													X
Complete NRC event notification form	SM1								X										
Perform NRC notifications Note 3	SC1													200-12	X				X
Activate ERDS Note 4	N/A																		
Perform other site-specific event notifications Note 5	SC1								Х										
Personnel accountability	N/A																		
Approve extension to allowable dose limits	N/A																		

Notes: Note 1 - Initial notification made by satellite phone, State and local notifications are assumed by the EOF once activated.

Note 2 – Initial Dose Assessments performed at initial Site Area and General Emergency declarations. No release in progress. Dose Assessment is assumed by the EOF once activated.

Note 3 – NRC notifications are assumed by EOF personnel once activated.

Note 4 – ERDS unavailable due to ELAP.

Note 5 – SC1 notifies Duty Manager (DM) IAW NMP-EP-142, Emergency Notification, after Alert communication completed. EOF notifies INPO, ANI, SAFER and other groups once activated.



Task completion time Task performed by Augmented resources VEGP 1&2 Shared Resource