

isolation valve which shall be either automatic, or locked closed, or capable of remote manual operation. This valve shall be outside containment and located as close to the containment as practical. A simple check valve may not be used as the automatic isolation valve." However, in the case of ANO-2, operating with the EFW steam trap upstream CIV closed and the ADV drain steam trap upstream CIV closed, could pose a potential challenge to the operability of the steam-driven EFW pump and could damage the piping associated with the ADV, due to condensate buildup.

Operating with the EFW steam trap and ADV drain steam trap upstream CIVs open results in having only the secondary system pressure boundary inside containment as a barrier against the release of radioactivity to the environment through the steam trap piping. However, operating with the EFW steam trap upstream CIV closed and the ADV drain steam trap upstream CIV closed could compromise the operability of the EFW pump turbine and could damage the ADV piping, due to condensate buildup. The licensee has evaluated the effects of the EFW steam trap and ADV drain steam trap upstream CIVs being open during power operation, and has shown this to have no impact on the consequences of any of the events evaluated in the Safety Analysis Report (SAR). Therefore, the licensee is requesting an exemption from the requirements of GDC 57 to keep these valves open during operation.

#### *Environmental Impacts of the Proposed Action*

The NRC has completed its safety evaluation of the proposed action and concludes that, in this case, it is not necessary for the subject CIVs to be locked closed, automatic, or capable of remote manual operation, as required in GDC 57, in order to achieve the underlying purpose of GDC 57. The effects of these valves being open during power operation has been evaluated and shown to have no impact on the consequence of any of the postulated events that are evaluated in the SAR. Thus, the NRC staff finds that the operation of ANO-2 with the subject CIVs open is acceptable, and that the requested exemption from GDC 57 is justified for ANO-2.

The details of the staff's safety evaluation will be provided in the exemption that will be issued as part of the letter to the licensee approving the exemption to the regulation.

The proposed action will not significantly increase the probability or

consequences of accidents. No changes are being made in the types of effluents that may be released off site. There is no significant increase in the amount of any effluent released off site. There is no significant increase in occupational or public radiation exposure. Therefore, there are no significant radiological environmental impacts associated with the proposed action.

With regard to potential non-radiological impacts, the proposed action does not have a potential to affect any historic sites. It does not affect non-radiological plant effluents and has no other environmental impact. Therefore, there are no significant non-radiological environmental impacts associated with the proposed action.

Accordingly, the NRC concludes that there are no significant environmental impacts associated with the proposed action.

#### *Environmental Impacts of the Alternatives to the Proposed Action*

As an alternative to the proposed action, the staff considered denial of the proposed action (i.e., the "no-action" alternative). Denial of the application would result in no change in current environmental impacts. Installing remote manual operators on the CIVs was considered as an alternative to bring the CIVs into compliance with GDC 57. However, the staff believes that any potential safety benefit derived from installing remote manual operators on the subject CIVs would not be commensurate with the cost associated with such a modification. The environmental impacts of the proposed action and the alternative action are similar.

#### *Alternative Use of Resources*

The action does not involve the use of any different resources than those previously considered in the Final Environmental Statement related to the operation of Arkansas Nuclear One, Unit 2, NUREG-0254, dated June 1977.

#### *Agencies and Persons Consulted*

In accordance with its stated policy, on January 13, 2005, the staff consulted with the Arkansas State official, Dave Baldwin of the Arkansas Department of Health, regarding the environmental impact of the proposed action. The State official had no comments.

#### **Finding of No Significant Impact**

On the basis of the environmental assessment, the NRC concludes that the proposed action will not have a significant effect on the quality of the human environment. Accordingly, the NRC has determined not to prepare an

environmental impact statement for the proposed action.

For further details with respect to the proposed action, see the licensee's letter dated October 30, 2003, as supplemented by letters dated July 1, November 15, and December 3, 2004, and March 3, 2005. Documents may be examined, and/or copied for a fee, at the NRC's Public Document Room (PDR), located at One White Flint North, 11555 Rockville Pike (first floor), Rockville, Maryland. Publicly available records will be accessible electronically from the Agencywide Documents Access and Management System (ADAMS) Public Electronic Reading Room on the Internet at the NRC Web site, <http://www.nrc.gov/reading-rm/adams.html>. Persons who do not have access to ADAMS or who encounter problems in accessing the documents located in ADAMS should contact the NRC PDR Reference staff by telephone at 1-800-397-4209 or 301-415-4737, or send an e-mail to [pdrc@nrc.gov](mailto:pdrc@nrc.gov).

Dated at Rockville, Maryland, this 6th day of April 2005.

For the Nuclear Regulatory Commission.

**Thomas W. Alexion,**

*Project Manager, Section 1, Project Directorate IV, Division of Licensing Project Management, Office of Nuclear Reactor Regulation.*

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## **NUCLEAR REGULATORY COMMISSION**

**[Docket Nos. 50-348 and 50-364]**

### **Southern Nuclear Operating Company, Joseph M. Farley Nuclear Power Plant, Units 1 and 2; Environmental Assessment and Finding of No Significant Impact**

The U.S. Nuclear Regulatory Commission (NRC) is considering issuance of an exemption from Title 10 of the Code of Federal Regulations (10 CFR) Part 50, Appendix E, Section IV.F.2.b and c for Facility Operating License Nos. NPF-2 and NPF-8, issued to Southern Nuclear Operating Company (SNC or the licensee), for operation of the Joseph M. Farley Nuclear Power Plant (FNP), Units 1 and 2, located in Houston County, Alabama. Therefore, as required by 10 CFR 51.21, the NRC is issuing this environmental assessment and finding of no significant impact.

## Environmental Assessment

### *Identification of the Proposed Action*

The proposed action, as described in the licensee's application for a one-time exemption to the requirements of 10 CFR Part 50, Appendix E, dated December 13, 2004, would allow the licensee to postpone the offsite full-participation emergency exercise from 2004 to 2005. The licensee's letter dated December 13, 2004, requested an exemption from Section IV.F.2.e of Appendix E to 10 CFR Part 50 regarding the full participation by each offsite authority having a role under the plan. The NRC staff determined that the requirements of Section IV.F.2.e are not applicable to the circumstances of the licensee's request and, accordingly, no exemption from those requirements is being granted. However, the NRC staff has determined that the requirements of Appendix E to 10 CFR Part 50, Sections IV.F.2.b and 2.c are applicable to the circumstances of the licensee's request and that an exemption from those requirements is appropriate. The licensee also stated in its December 13, 2004, letter that FNP will resume its normal biennial exercise cycle in 2006.

### *The Need for the Proposed Action*

The proposed exemption from 10 CFR Part 50, Appendix E, Section IV.F.2.b and c is needed because the planned full-participation exercise originally scheduled for August 18, 2004, was not performed. The Federal Emergency Management Agency (FEMA), which normally participates in the evaluated full-participation exercise, and Alabama Emergency Management Agency were unable to provide the necessary resources for the exercise due to the impact of Hurricane Charley.

### *Environmental Impacts of the Proposed Action*

The NRC has completed its safety evaluation of the proposed action and concludes that the proposed exemption will not present an undue risk to the public health and safety. The details of the NRC staff's Safety Evaluation will be provided in the exemption that will be issued as part of the letter to the licensee approving the exemption to the regulation. The action relates to the exercising of the emergency response plan, which has no effect on the operation of the facility.

The proposed action will not significantly increase the probability or consequences of accidents. No changes are being made in the types of effluents that may be released offsite, and there is no significant increase in occupational or public radiation

exposure. Therefore, there are no significant radiological environmental impacts associated with the proposed action.

With regard to potential non-radiological impacts, the proposed action does not have a potential to affect any historic sites. It does not affect non-radiological plant effluents and has no other environmental impact. Therefore, there are no significant non-radiological environmental impacts associated with the proposed action.

Accordingly, the NRC concludes that there are no significant environmental impacts associated with the proposed action.

### *Environmental Impacts of the Alternatives to the Proposed Action*

As an alternative to the proposed action, the staff considered denial of the proposed action (*i.e.*, the "no-action" alternative). Denial of the application would result in no change in current environmental impacts. The environmental impacts of the proposed action and the alternative action are similar.

### *Alternative Use of Resources*

The action does not involve the use of any different resources than those previously considered in the Final Environmental Statement related to the operation of the Joseph M. Farley Nuclear Plant, Units 1 and 2, dated December 1974.

### *Agencies and Persons Consulted*

In accordance with its stated policy, on January 6, 2005, the staff consulted with the Alabama State official, Kirk Whatley of the Office of Radiation Control, Alabama Department of Public Health, regarding the environmental impact of the proposed action. The State official had no comments.

### **Finding of No Significant Impact**

On the basis of the environmental assessment, the NRC concludes that the proposed action will not have a significant effect on the quality of the human environment. Accordingly, the NRC has determined not to prepare an environmental impact statement for the proposed action.

For further details with respect to the proposed action, see the licensee's letter dated December 13, 2004. Documents may be examined, and/or copied for a fee, at the NRC's Public Document Room (PDR), located at One White Flint North, Public File Area O1 F21, 11555 Rockville Pike (first floor), Rockville, Maryland. Publicly available records will be accessible electronically from the Agencywide Documents Access and

Management System (ADAMS) Public Electronic Reading Room on the Internet at the NRC Web site, <http://www.nrc.gov/reading-rm/adams.html>. Persons who do not have access to ADAMS or who encounter problems in accessing the documents located in ADAMS should contact the NRC PDR Reference staff by telephone at 1-800-397-4209 or 301-415-4737, or by e-mail to [pdr@nrc.gov](mailto:pdr@nrc.gov).

Dated at Rockville, Maryland, this 5th day of April 2005.

For the Nuclear Regulatory Commission.

**Sean Peters,**

*Project Manager, Section 1, Project Directorate II, Division of Licensing Project Management, Office of Nuclear Reactor Regulation.*

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## **NUCLEAR REGULATORY COMMISSION**

**[Docket Nos. 50-424 and 50-425]**

### **Southern Nuclear Operating Company; Vogtle Electric Generating Plant, Units 1 and 2; Environmental Assessment and Finding of No Significant Impact**

The U.S. Nuclear Regulatory Commission (NRC) is considering issuance of an exemption from Title 10 of the Code of Federal Regulations (10 CFR) Part 50, Appendix E, Section IV.F.2.b and c for Facility Operating License Nos. NPF-68 and NPF-81, issued to Southern Nuclear Operating Company (SNC or the licensee), for operation of the Vogtle Electric Generating Plant (VEGP), Units 1 and 2 located in Burke County, Georgia. Therefore, as required by 10 CFR 51.21, the NRC is issuing this environmental assessment and finding of no significant impact.

### **Environmental Assessment**

#### *Identification of the Proposed Action*

The proposed action, as described in the licensee's application for a one-time exemption to the requirements of 10 CFR Part 50, Appendix E, dated December 10, 2004, would allow the licensee to postpone the offsite full-participation emergency exercise until February 2005. The licensee's letter dated December 10, 2004, requested an exemption from Section IV.F.2.e of Appendix E to 10 CFR Part 50 regarding the requirement to conduct a biennial full-participation exercise. The NRC staff determined that the requirements of Section IV.F.2.e are not applicable to the circumstances of the licensee's request and, accordingly, no exemption