

when the HNP equipment installation is complete justifies extending the full compliance date with regard to the specific requirement of 10 CFR 73.55. The security measure, that HNP needs additional time to implement, is a new requirement imposed by the March 27, 2009, amendments to 10 CFR 73.55, and is in addition to those required by the security orders issued in response to the events of September 11, 2001.

Therefore, it is concluded that the licensee's actions are in the best interest of protecting the public health and safety through the security changes that will result from granting this exemption.

As per the licensee's request and the NRC's regulatory authority to grant an exemption from the March 31, 2010, implementation deadline for the requirement specified in the SNC letter dated November 6, 2009, as supplemented November 20, 2009, the licensee is required to be in full compliance by December 6, 2010. In achieving compliance, the licensee is reminded that it is responsible for determining the appropriate licensing mechanism (*i.e.*, 10 CFR 50.54(p) or 10 CFR 50.90) for incorporation of all necessary changes to its security plans.

Pursuant to 10 CFR 51.32, "Finding of no significant impact," the Commission has previously determined that the granting of this exemption will not have a significant effect on the quality of the human environment (75 FR 3761; dated January 22, 2010).

This exemption is effective upon issuance.

Dated at Rockville, Maryland, this 24th day of February 2010.

For the Nuclear Regulatory Commission.

**Allen G. Howe,**

*Acting Director, Division of Operating Reactor Licensing, Office of Nuclear Reactor Regulation.*

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## **NUCLEAR REGULATORY COMMISSION**

[Docket Nos. 50-424 and 50-425; NRC-2010-0023]

### **Southern Nuclear Operating Company, Inc.; Vogtle Electric Generating Plant, Units 1 and 2; Exemption**

#### **1.0 Background**

Southern Nuclear Operating Company, Inc. (SNC, the licensee), is the holder of Renewed Facility Operating License Nos. NPF-68 and NPF-81, which authorizes operation of the Vogtle Electric Generating Plant, Units 1 and 2 (VEGP). The licenses

provide, among other things, that the facility is subject to all rules, regulations, and orders of the U.S. Nuclear Regulatory Commission (NRC, the Commission) now or hereafter in effect. The facility consists of two pressurized-water reactors located in Burke County, Georgia.

#### **2.0 Request/Action**

Title 10 of the *Code of Federal Regulations* (10 CFR), Part 73, "Physical protection of plants and materials," Section 73.55, "Requirements for physical protection of licensed activities in nuclear power reactors against radiological sabotage," published March 27, 2009, effective May 26, 2009, with a full implementation date of March 31, 2010, requires licensees to protect, with high assurance, against radiological sabotage by designing and implementing comprehensive site security programs. The amendments to 10 CFR 73.55 published on March 27, 2009 establish and update generically applicable security requirements similar to those previously imposed by Commission orders issued after the terrorist attacks of September 11, 2001, and implemented by licensees. In addition, the amendments to 10 CFR 73.55 include additional requirements to further enhance site security based upon insights gained from implementation of the post September 11, 2001, security orders. It is from one requirement of these new requirements that VEGP now seeks an exemption from the March 31, 2010, implementation date. All other physical security requirements established by this recent rulemaking have already been or will be implemented by the licensee by March 31, 2010.

By letter dated November 6, 2009, as supplemented by letter dated November 20, 2009, the licensee requested an exemption in accordance with 10 CFR 73.5, "Specific exemptions." The licensee's letters contain proprietary information and, accordingly, those portions are not available to the public. The licensee has requested an exemption from the March 31, 2010, compliance date stating that a number of issues will present a significant challenge to timely completion of the project related to a specific requirement in 10 CFR Part 73. Specifically, the request is to extend the compliance date for one specific requirement from the current March 31, 2010, deadline to September 27, 2010. Being granted this exemption for the one item will allow the licensee to complete the modifications designed to update equipment and incorporate state-of-the-

art technology to meet the noted regulatory requirement.

#### **3.0 Discussion of Part 73 Schedule Exemptions From the March 31, 2010, Full Implementation Date**

Pursuant to 10 CFR 73.55(a)(1), "By March 31, 2010, each nuclear power reactor licensee, licensed under 10 CFR Part 50, shall implement the requirements of this section through its Commission-approved Physical Security Plan, Training and Qualification Plan, Safeguards Contingency Plan, and Cyber Security Plan referred to collectively hereafter as 'security plans.'" Pursuant to 10 CFR 73.5, the Commission may, upon application by any interested person or upon its own initiative, grant exemptions from the requirements of 10 CFR Part 73 when the exemptions are authorized by law, and will not endanger life or property or the common defense and security, and are otherwise in the public interest.

NRC approval of this exemption would; as noted above, allow an extension from March 31, 2010, to September 27, 2010, for the implementation date for one specific requirement of the new rule. The NRC staff has determined that granting of the licensee's proposed exemption will not result in a violation of the Atomic Energy Act of 1954, as amended, or the Commission's regulations. Therefore, the exemption is authorized by law.

In the draft final rule provided to the Commission (SECY-08-0099 dated July 9, 2008), the NRC staff proposed that the requirements of the new regulation be met within 180 days. The Commission directed a change from 180 days to approximately 1 year for licensees to fully implement the new requirements. This change was incorporated into the final rule. From this, it is clear that the Commission wanted to provide a reasonable timeframe for licensees to achieve full compliance.

As noted in the final rule, the Commission also anticipated that licensees would have to conduct site specific analyses to determine what changes were necessary to implement the rule's requirements, and that changes could be accomplished through a variety of licensing mechanisms, including exemptions. Since issuance of the final rule, the Commission has rejected a generic industry request to extend the rule's compliance date for all operating nuclear power plants, but noted that the Commission's regulations provide mechanisms for individual licensees, with good cause, to apply for relief from the compliance date (Reference: June 4, 2009, letter from R.W. Borchardt, NRC, to M.S. Fertel,

Nuclear Energy Institute). The licensee's request for an exemption is therefore consistent with the approach set forth by the Commission as discussed in the June 4, 2009, letter.

#### *VEGP Schedule Exemption Request*

The licensee provided detailed information in its letter dated November 6, 2009, as supplemented November 20, 2009, requesting an exemption. It describes a comprehensive plan to install equipment related to a certain requirement in the new Part 73 rule and provides a timeline for achieving full compliance with the new regulation.

The submittals contain proprietary information regarding the site security plan, details of the specific requirement of the regulation for which the site cannot be in compliance by the March 31, 2010, deadline and why, the required changes to the site's security configuration, and a timeline with critical path activities that will bring the licensee into full compliance by September 27, 2010. The timeline provides dates indicating (1) when various phases of the project begin and end (*i.e.*, design, field construction), (2) outages scheduled for each unit, and (3) when critical equipment will be ordered, installed, tested and become operational.

Notwithstanding the schedular exemption for this limited requirement, the licensee will continue to be in compliance with all other applicable physical security requirements as described in 10 CFR 73.55 and reflected in its current NRC approved physical security program. By September 27, 2010, VEGP will be in full compliance with all the regulatory requirements of 10 CFR 73.55, as issued on March 27, 2009.

#### **4.0 Conclusion for Part 73 Schedule Exemption Request**

The NRC staff has reviewed the licensee's submittals and concludes that the licensee has provided adequate justification for its request for an extension of the compliance date to September 27, 2010, with regard to a specific requirement of 10 CFR 73.55.

Accordingly, the Commission has determined that pursuant to 10 CFR 73.5, "Specific exemptions," an exemption from the March 31, 2010, compliance date is authorized by law and will not endanger life or property or the common defense and security, and is otherwise in the public interest. Therefore, the Commission hereby grants the requested exemption.

The NRC staff has determined that the long-term benefits that will be realized when the VEGP equipment installation

is complete justifies extending the full compliance date with regard to the specific requirement of 10 CFR 73.55. The security measure, that VEGP needs additional time to implement, is a new requirement imposed by the March 27, 2009, amendments to 10 CFR 73.55, and is in addition to those required by the security orders issued in response to the events of September 11, 2001.

Therefore, it is concluded that the licensee's actions are in the best interest of protecting the public health and safety through the security changes that will result from granting this exemption.

As per the licensee's request and the NRC's regulatory authority to grant an exemption from the March 31, 2010, implementation deadline for the requirement specified in the SNC letter dated November 6, 2009, as supplemented November 20, 2009, the licensee is required to be in full compliance by September 27, 2010. In achieving compliance, the licensee is reminded that it is responsible for determining the appropriate licensing mechanism (*i.e.*, 10 CFR 50.54(p) or 10 CFR 50.90) for incorporation of all necessary changes to its security plans.

Pursuant to 10 CFR 51.32, "Finding of no significant impact," the Commission has previously determined that the granting of this exemption will not have a significant effect on the quality of the human environment 75 FR 3943; dated January 25, 2010.

This exemption is effective upon issuance.

Dated at Rockville, Maryland, this 24 day of February 2010.

For the Nuclear Regulatory Commission.

**Allen G. Howe,**

*Acting Director, Division of Operating Reactor Licensing, Office of Nuclear Reactor Regulation.*

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## **NUCLEAR REGULATORY COMMISSION**

**[Docket Nos. STN 50-528, STN 50-529, and STN 50-530; NRC-2010-0058]**

### **Arizona Public Service Company, et al.; Palo Verde Nuclear Generating Station, Units 1, 2, and 3; Exemption**

#### **1.0 Background**

The Arizona Public Service Company (APS, the facility licensee) is the holder of Facility Operating License Nos. NPF-41, NPF-51, and NPF-74, which authorize operation of the Palo Verde Nuclear Generating Station (PVNGS, the facility), Units 1, 2, and 3, respectively. The licenses provide, among other

things, that the facility is subject to all rules, regulations, and orders of the Nuclear Regulatory Commission (NRC, or the Commission) now or hereafter in effect.

The facility consists of three pressurized-water reactors located in Maricopa County, Arizona.

#### **2.0 Request/Action**

Title 10 of the *Code of Federal Regulations* (10 CFR) Part 50, Appendix G, "Fracture Toughness Requirements," which is invoked by 10 CFR 50.60, requires that pressure-temperature (P-T) limits be established for the reactor coolant pressure boundary during normal operating and hydrostatic or leak rate testing conditions. Specifically, 10 CFR Part 50, Appendix G states that "[t]he appropriate requirements on both the pressure-temperature limits and the minimum permissible temperature must be met for all conditions," and "[t]he pressure-temperature limits identified as 'ASME [American Society for Mechanical Engineers] Appendix G limits' in Table 3 require that the limits must be at least as conservative as limits obtained by following the methods of analysis and the margins of safety of Appendix G of Section XI of the ASME Code [Boiler and Pressure Vessel Code]." The regulations in 10 CFR Part 50, Appendix G, also specify the applicable editions and addenda of the ASME Code, Section XI, which are incorporated by reference in 10 CFR 50.55a. In the most recent version of 10 CFR (2009 Edition), the 1977 Edition through the 2004 Edition of the ASME Code, Section XI are incorporated by reference in 10 CFR 50.55a. Finally, 10 CFR 50.60(b) states that, "[p]roposed alternatives to the described requirements in Append[ix] G \* \* \* of this part or portions thereof may be used when an exemption is granted by the Commission under [10 CFR] 50.12."

By letter dated February 19, 2009, as supplemented by letter dated December 22, 2009 (Agencywide Documents Access and Management System (ADAMS) Accession Nos. ML090641014 and ML100040069, respectively), the licensee submitted a request for exemption from 10 CFR Part 50, Appendix G regarding the pressure-temperature (P-T) limits calculation, and a license amendment request to revise Technical Specification (TS) 3.4, "Reactor Coolant System (RCS)," to relocate the P-T limits and the low temperature overpressure protection (LTOP) system enable temperatures from the TS to a licensee-controlled document; the Pressure and Temperature Limits Report (PTLR). In the license amendment request, the