

NATIONAL SCIENCE FOUNDATION

Advisory Committee for Mathematical and Physical Sciences; Notice of Meeting

In accordance with Federal Advisory Committee Act (Pub. L. 92-463, as amended), the National Science Foundation announces the following meeting:

Name: Advisory Committee for Mathematical and Physical Sciences (#66)

Date/Time: April 1, 2010, 9 a.m.–6 p.m.; April 2, 2010, 9 a.m.–3 p.m.

Place: National Science Foundation, RM 375, 4201 Wilson Boulevard, Arlington, VA 22230.

Type of Meeting: Open.

Contact Person: Dr. Morris L. Aizenman, Senior Science Associate, Directorate for Mathematical and Physical Sciences, Room 1005, National Science Foundation, 4201 Wilson Boulevard, Arlington, VA 22230. (703) 292-8807.

Purpose of Meeting: To provide advice and recommendations concerning NSF science and education activities within the Directorate for Mathematical and Physical Sciences.

Agenda:

Update on current status of Directorate;

Report of NSF Advisory Working Groups;

Meeting of MPSAC with Divisions within MPS Directorate;

Discussion of MPS Long-term Planning Activities.

Summary Minutes: May be obtained from the contact person listed above.

Dated: March 2, 2010.

Susanne E. Bolton,

Committee Management Officer.

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NUCLEAR REGULATORY COMMISSION

[Docket No. 50-482; NRC-2010-0032]

Wolf Creek Nuclear Operating Corporation, Wolf Creek Generating Station; Exemption

1.0 Background

Wolf Creek Nuclear Operating Corporation (WCNOC, the licensee) is the holder of Renewed Facility Operating License No. NPF-42, which authorizes the operation of the Wolf Creek Generating Station (WCGS). The license provides, 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 one pressurized-water reactor located in Coffey County, Kansas.

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 in the **Federal Register** on 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 two of these additional requirements that WCGS 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 December 15, 2009, the licensee requested an exemption in accordance with 10 CFR 73.5, “Specific exemptions.” Portions of the December 15, 2009, submittal contain security-related and safeguards information and, accordingly, is being withheld from the public. The redacted version of the December 15, 2009, letter was submitted by the licensee on January 12, 2010, and is available to the public (Agencywide Documents Access and Management System (ADAMS) Accession No. ML100250025). The licensee has requested an exemption from the March 31, 2010, compliance date stating that it must complete a number of significant modifications to the current site security configuration before all requirements can be met. Specifically, the request is to extend the compliance date for two specific requirements from the current March 31, 2010, deadline to December 31, 2010. Granting this exemption for the two items would allow the licensee to complete the modifications designed

to incorporate substantial configuration changes and incorporate state-of-the-art technology to meet or exceed the noted regulatory requirements.

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, as noted above, would allow an extension from March 31, 2010, until December 31, 2010, for the implementation date for two specific requirements of the new rule. As stated above, 10 CFR 73.5 allows the NRC to grant exemptions from the requirements of 10 CFR 73. The NRC staff has determined that granting of the licensee’s proposed exemption would not result in a violation of the Atomic Energy Act of 1954, as amended, or the Commission’s regulations. Therefore, the NRC approval of the licensee’s exemption request is authorized by law.

In the draft final rule provided to the Commission, 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