[7590-01-P]

NUCLEAR REGULATORY COMMISSION

OMAHA PUBLIC POWER DISTRICT

DOCKET NO. 50-285

FORT CALHOUN STATION, UNIT 1

ENVIRONMENTAL ASSESSMENT AND

FINDING OF NO SIGNIFICANT IMPACT

[NRC-2010-0087]

The U.S. Nuclear Regulatory Commission (NRC) is considering issuance of an exemption, pursuant to Title 10 of the *Code of Federal Regulations* (10 CFR) Section 73.5, "Specific exemptions," from the implementation date for certain new requirements of 10 CFR Part 73, "Physical protection of plants and materials," for Renewed Facility Operating License No. DPR-40, issued to Omaha Public Power District (OPPD, the licensee), for operation of Fort Calhoun Station, Unit 1 (FCS), located in Washington County, Nebraska. Therefore, as required by 10 CFR 51.21, the NRC performed an environmental assessment. Based on the results of the environmental assessment, the NRC is issuing a finding of no significant impact.

ENVIRONMENTAL ASSESSMENT

Identification of the Proposed Action:

The proposed action would exempt FCS from the required implementation date of March 31, 2010, for several new requirements of 10 CFR Part 73. Specifically, FCS would be granted an exemption from being in full compliance with certain new requirements contained in 10 CFR 73.55 by the March 31, 2010, deadline. OPPD has proposed an alternate full compliance implementation date of October 5, 2011, approximately 19 months beyond the date required by 10 CFR Part 73. The proposed action, an extension of the schedule for completion of certain

actions required by the revised 10 CFR Part 73, does not involve any physical changes to the reactor, fuel, plant structures, support structures, water, or land at the FCS site.

The proposed action is in accordance with the licensee's application dated December 31, 2009, as supplemented by letter dated January 21, 2010.

The Need for the Proposed Action:

The proposed action is needed to provide the licensee with additional time to perform the required upgrades to the FCS security system due to the time required for significant design, procurement, and installation activities needed to implement the required upgrades.

Environmental Impacts of the Proposed Action:

The NRC has completed its environmental assessment of the proposed exemption. The staff has concluded that the proposed action to extend the implementation deadline would not significantly affect plant safety and would not have a significant adverse effect on the probability of an accident occurring.

The proposed action would not result in an increased radiological hazard beyond those previously analyzed in the environmental assessment and finding of no significant impact made by the Commission in promulgating its revisions to 10 CFR Part 73 as discussed in a *Federal Register* notice dated March 27, 2009 (74 FR 13926). There will be no change to radioactive effluents that affect radiation exposures to plant workers and members of the public. Therefore, no changes or different types of radiological impacts are expected as a result of the proposed exemption.

The proposed action does not result in changes to land use or water use, or result in changes to the quality or quantity of non-radiological effluents. No changes to the National Pollution Discharge Elimination System permit are needed. No effects on the aquatic or terrestrial habitat in the vicinity of the plant, or to threatened, endangered, or protected species under the Endangered Species Act, or impacts to essential fish habitat covered by the

Magnuson-Steven's Act are expected. There are no impacts to the air or ambient air quality. There are no impacts to historical and cultural resources. There would be no impact to socioeconomic resources. Therefore, no changes to or different types of non-radiological environmental impacts are expected as a result of the proposed exemption.

Accordingly, the NRC concludes that there are no significant environmental impacts associated with the proposed action. In addition, in promulgating its revisions to 10 CFR Part 73, the Commission prepared an environmental assessment and published a finding of no significant impact [Part 73, Power Reactor Security Requirements, 74 FR 13926 (March 27, 2009)].

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, if granted.

Environmental Impacts of the Alternatives to the Proposed Action:

As an alternative to the proposed actions, the NRC staff considered denial of the proposed actions (i.e., the "no-action" alternative). Denial of the exemption request would result in no change in current environmental impacts. If the proposed action was denied, the licensee would have to comply with the March 31, 2010, implementation deadline. The environmental impacts of the proposed exemption and the "no-action" alternative are similar.

Alternative Use of Resources:

The action does not involve the use of any different resources than those considered in the Final Environmental Statement for the FCS dated August 1972, as supplemented through the "Generic Environmental Impact Statement for License Renewal of Nuclear Plants: Fort Calhoun Station Unit 1 - Final Report (NUREG-1437, Supplement 12)."

Agencies and Persons Consulted:

In accordance with its stated policy, on February 4, 2010, the NRC staff consulted with the Nebraska State official, Julia Schmitt, of the Department of Health and Human Services Regulation and Licensure, 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 31, 2009, as supplemented by letter dated January 21, 2010. The January 21, 2010, submittal and portions of the December 31, 2009, submittal contain security-related information and, accordingly, are exempt from public disclosure. Other parts of the December 31, 2009, document may be examined, and/or copied for a fee, at the NRC's Public Document Room (PDR), located at One White Flint North, Room O-1 F21, 11555 Rockville Pike (first floor), Rockville, Maryland 20852. 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 *pdr.resource@nrc.gov*.

Dated at Rockville, Maryland, this 2nd day of March 2010.

FOR THE NUCLEAR REGULATORY COMMISSION

/RA/

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