

July 19, 2013

MEMORANDUM TO: Biweekly Notice Coordinator

FROM: Bruce Watson, Chief */RA/*
Reactor Decommissioning Branch
Decommissioning and Uranium Recovery
Licensing Directorate
Division of Waste Management and
Environmental Protection
Office of Federal and State Materials and
Environmental Management Programs

SUBJECT: REQUEST FOR PUBLICATION IN BIWEEKLY FR NOTICE - NOTICE
OF CONSIDERATION OF ISSUANCE OF AMENDMENT TO FACILITY
OPERATING LICENSE, PROPOSED NO SIGNIFICANT HAZARDS
CONSIDERATION DETERMINATION, AND OPPORTUNITY FOR A
HEARING

ZionSolutions LLC, Docket Nos. 50-295 and 50-304, Zion Nuclear Power Station (ZNPS), Units
1 and 2, Lake County, Illinois

Date of amendment request: June 18, 2012 and supplemented June 5, 2013

Description of amendment request: The proposed amendments would revise the Physical
Security Plan associated with the transfer and storage of spent fuel at the Independent Spent
Fuel Storage Installation (ISFSI).

Basis for proposed no significant hazards consideration determination: As required by
10 CFR 50.91(a), the licensee has provided its analysis of the issue of no significant hazards
consideration, which is presented below:

- (1) Does the change involve a significant increase in the probability or consequences of an
accident previously evaluated?

Response: No.

The proposed amendment, which incorporates ISFSI security functions, does not reduce
the ability of the Security organization to prevent attempts of radiological sabotage and,
therefore, does not increase the probability or consequences of a radiological release
previously evaluated. The proposed ZNPS ISFSI Physical Security Plan will not affect

any important-to-safety systems or components, their mode of operation or operating strategies. The changes have no effect on accident initiators or mitigation. Therefore, the proposed amendment will not involve a significant increase in the probability or consequences of an accident previously evaluated.

- (2) Does the change create the possibility of a new or different kind of accident from any accident previously evaluated?

Response: No.

The proposed amendment incorporating ISFSI security functions does not affect the operation of systems that are important-to-safety. The ZNPS ISFSI Physical Security Plan amendment does not affect any of the parameters or conditions that could contribute to the initiation of any accident. No new accident scenarios are created as a result of the ZNPS ISFSI Physical Security Plan. In addition, the design functions of equipment important to safety are not altered as a result of the proposed ZNPS ISFSI Physical Security Plan. Therefore, the proposed ISFSI Security Plan will not create the possibility of a new or different accident from any previously evaluated.

- (3) Does the change involve a significant reduction in a margin of safety?

Response: No.

Implementation of the proposed amendment incorporating ISFSI security functions will not reduce a margin of safety as detailed in the Technical Specifications, as there are no Technical Specification requirements associated with the physical security system. Specifically, the proposed ZNPS ISFSI Physical Security Plan does not represent a change in initial conditions, system response time, or any other parameter affecting the course of an accident analysis supporting the Bases of any Technical Specification. The proposed amendment does not reduce the effectiveness of any security/safeguards measures currently in place at the ZNPS. Therefore, the proposed ZNPS ISFSI Physical Security Plan will not involve a significant reduction in the margin of safety.

The NRC staff has reviewed the licensee's analysis and, based on this review, it appears that the three standards of 10 CFR 50.92(c) are satisfied. Therefore, the NRC staff proposes to determine that the amendment request involves no significant hazards consideration.

Attorney for licensee: Russ Workman, Deputy General Counsel, EnergySolutions, 423 West 300 South, Suite 200, Salt Lake City, UT 84101

NRC Branch Chief: Bruce Watson

any important-to-safety systems or components, their mode of operation or operating strategies. The changes have no effect on accident initiators or mitigation. Therefore, the proposed amendment will not involve a significant increase in the probability or consequences of an accident previously evaluated.

- (2) Does the change create the possibility of a new or different kind of accident from any accident previously evaluated?

Response: No.

The proposed amendment incorporating ISFSI security functions does not affect the operation of systems that are important-to-safety. The ZNPS ISFSI Physical Security Plan amendment does not affect any of the parameters or conditions that could contribute to the initiation of any accident. No new accident scenarios are created as a result of the ZNPS ISFSI Physical Security Plan. In addition, the design functions of equipment important to safety are not altered as a result of the proposed ZNPS ISFSI Physical Security Plan. Therefore, the proposed ISFSI Security Plan will not create the possibility of a new or different accident from any previously evaluated.

- (3) Does the change involve a significant reduction in a margin of safety?

Response: No.

Implementation of the proposed amendment incorporating ISFSI security functions will not reduce a margin of safety as detailed in the Technical Specifications, as there are no Technical Specification requirements associated with the physical security system. Specifically, the proposed ZNPS ISFSI Physical Security Plan does not represent a change in initial conditions, system response time, or any other parameter affecting the course of an accident analysis supporting the Bases of any Technical Specification. The proposed amendment does not reduce the effectiveness of any security/safeguards measures currently in place at the ZNPS. Therefore, the proposed ZNPS ISFSI Physical Security Plan will not involve a significant reduction in the margin of safety.

The NRC staff has reviewed the licensee's analysis and, based on this review, it appears that the three standards of 10 CFR 50.92(c) are satisfied. Therefore, the NRC staff proposes to determine that the amendment request involves no significant hazards consideration.

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OFFICE	RDB/PM	DWMEP/LA	RDB/BC
NAME	JHickman	SAchten	BWatson

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