

NUCLEAR REGULATORY COMMISSION

[Docket Nos. 50-295 and 50-304; NRC-2015-0082]

**Zion Solutions, LLC, Zion Nuclear Power Station, Units 1 and 2,
License Termination Plan**

AGENCY: Nuclear Regulatory Commission.

ACTION: Request for comment and public meeting.

SUMMARY: On December 19, 2014, as supplemented on February 26, 2015, the U.S. Nuclear Regulatory Commission (NRC) received from Zion Solutions, LLC, (ZS), the License Termination Plan (LTP) for the Zion Nuclear Power Station (ZNPS), Units 1 and 2. The LTP provides details about the known radiological information for the site, the planned demolition and decommissioning tasks to be completed, and the final radiological surveys and data that will need to be obtained to allow termination of the NRC's license for ZNPS. The NRC is requesting public comments on ZS's LTP and will hold a public meeting to discuss the LTP.

DATES: Submit comments by May 26, 2015. Comments received after this date will be considered if it is practical to do so, but the NRC is able to ensure consideration only for comments received on or before this date.

ADDRESSES: You may submit comments by any of the following methods (unless this document describes a different method for submitting comments on a specific subject):

- **Federal Rulemaking Web Site:** Go to <http://www.regulations.gov> and search for Docket ID **NRC-2015-0082**. Address questions about NRC dockets to Carol Gallagher; telephone: 301-415-3463; e-mail: Carol.Gallagher@nrc.gov. For technical questions, contact the individual listed in the FOR FURTHER INFORMATION CONTACT section of this document.

- **Mail comments to:** Cindy Bladey, Office of Administration, Mail Stop: O12-H08, U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001.

For additional direction on obtaining information and submitting comments, see “Obtaining Information and Submitting Comments” in the SUPPLEMENTARY INFORMATION section of this document.

FOR FURTHER INFORMATION CONTACT: John Hickman, Office of Nuclear Material Safety and Safeguards, U.S. Nuclear Regulatory Commission, Washington DC 20555-0001, telephone: 301-415-3017, e-mail: John.hickman@nrc.gov.

SUPPLEMENTARY INFORMATION:

I. Obtaining Information and Submitting Comments.

A. Obtaining Information.

Please refer to Docket ID **NRC-2015-0082** when contacting the NRC about the availability of information for this action. You may obtain publicly-available information related to this action by any of the following methods:

- **Federal Rulemaking Web Site:** Go to <http://www.regulations.gov> and search for Docket ID **NRC-2015-0082**.

- **NRC's Agencywide Documents Access and Management System (ADAMS):**

You may obtain publicly-available documents online in the ADAMS Public Documents collection at <http://www.nrc.gov/reading-rm/adams.html>. To begin the search, select "[ADAMS Public Documents](#)" and then select "[Begin Web-based ADAMS Search](#)." For problems with ADAMS, please contact the NRC's Public Document Room (PDR) reference staff at 1-800-397-4209, 301-415-4737, or by e-mail to pdresource@nrc.gov. The ADAMS accession number for each document referenced (if it is available in ADAMS) is provided the first time that it is mentioned in the SUPPLEMENTARY INFORMATION section

- **NRC's PDR:** You may examine and purchase copies of public documents at the NRC's PDR, Room O1-F21, One White Flint North, 11555 Rockville Pike, Rockville, Maryland 20852.

B. Submitting Comments.

Please include Docket ID **NRC-2015-0082** in the subject line of your comment submission, in order to ensure that the NRC is able to make your comment submission available to the public in this docket.

The NRC cautions you not to include identifying or contact information that you do not want to be publicly disclosed in your comment submission. The NRC posts all comment submissions at <http://www.regulations.gov> as well as entering the comment submissions into ADAMS. The NRC does not routinely edit comment submissions to remove identifying or contact information.

If you are requesting or aggregating comments from other persons for submission to the NRC, then you should inform those persons not to include identifying or contact information that they do not want to be publicly disclosed in their comment submission. Your request should state that the NRC does not routinely edit comment submissions to remove such information

before making the comment submissions available to the public or entering the comment submissions into ADAMS.

II. Discussion.

Zion Solutions is the holder of Facility Operating License Nos. DPR-39 and DPR-48. The license provides, among other things, that the facility is subject to all rules, regulations, and orders of the NRC now or hereafter in effect. The facility consists of two pressurized-water reactors located in Lake County, Illinois.

In September 1996, ZNPS Unit 2 was permanently shut-down after approximately 23 years of operation. In February 1997, ZNPS Unit 1 was permanently shut-down after approximately 24 years of operation. In early 1998, in accordance with section 50.82(a)(1)(i) and (ii) of Title 10 of the *Code of Federal Regulations* (10 CFR), Exelon Generating Company LLC (Exelon) notified the NRC of the permanent cessation of operations at the ZNPS and the permanent removal of all spent fuel assemblies from the reactor vessels to the spent fuel pool (ADAMS Legacy Accession Numbers 9902200407 and 9803110251). On February 14, 2000, Exelon submitted a Post-Shutdown Decommissioning Activities Report (PSDAR) for the Zion units, pursuant to 10 CFR 50.82(a)(4)(i) (ML003685889). The PSDAR was updated on March 18, 2008 (ML080840398). On September 1, 2010, the NRC transferred Facility Operating License Numbers DPR-39 and DPR-48 from Exelon to ZS (ML102290437). Zion Solutions acquired ZNPS to conduct the decommissioning of the facility and then return the decommissioned site back to Exelon. The spent fuel has been moved from the spent fuel pool to the Independent Spent Fuel Storage Installation. Decommissioning of ZNPS is scheduled to be completed in 2018.

By letter dated December 19, 2014 (ADAMS Accession No. ML15005A336), and supplemented on February 26, 2015 (ADAMS Accession No. ML15061A281), ZS submitted the LTP for ZNPS in accordance with § 50.82(a)(9). The LTP addresses site characterization to ensure that final radiation surveys (FRS) cover all areas where contamination existed, remains, or has the potential to exist or remain, identification of remaining dismantlement activities, plans for site remediation, a description of the FRS plan to confirm that ZNPS will meet the release criteria in 10 CFR part 20, subpart E, dose-modeling scenarios that ensure compliance with the radiological criteria for license termination, an estimate of the remaining site-specific decommissioning costs, and a supplement to the Defueled Safety Analysis Report and the Environmental Report describing any new information or significant environmental change associated with proposed license termination activities.

III. Request for Comment and Public Meeting.

The NRC is requesting public comments on the ZNPS LTP. The NRC will conduct a public meeting to discuss the LTP and receive comments on Tuesday, April 28, 2015, from 6 p.m. until 9 p.m., Central Time, at the Illinois Beach Resort & Conference Center, 1 Lake Front Drive., Zion, IL. For additional information regarding the meeting, see the NRC's Public Meeting Schedule Web site at <http://meetings.nrc.gov/pmns/mtg>. The agenda will be posted no later than 10 days prior to the meeting.

Dated at Rockville, Maryland, this 26th day of March, 2015.

For the Nuclear Regulatory Commission.

/RA/

Bruce Watson, Chief
Reactor Decommissioning Branch
Division of Decommissioning, Uranium Recovery,
and Waste Programs
Office of Nuclear Material Safety
and Safeguards