

EXELON GENERATION COMPANY, LLC

DOCKET NO. 50-295

ZION NUCLEAR POWER STATION, UNIT 1

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 186
License No. DPR-39

1. The U.S. Nuclear Regulatory Commission (the Commission) has found that:
 - A. The application for amendment by Exelon Generation Company, LLC (the licensee) dated May 31, 2012, and October 25, 2012, as supplemented by letters dated December 20, 2012, January 17, 2013, February 21, 2013, April 4, 2013, and May 16, 2013, complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act) and the Commission's rules and regulations set forth in 10 CFR Chapter I;
 - B. The facility will operate in conformity with the application, the provisions of the Act, and the rules and regulations of the Commission;
 - C. There is reasonable assurance (i) that the activities authorized by this amendment can be conducted without endangering the health and safety of the public, and (ii) that such activities will be conducted in compliance with the Commission's regulations;
 - D. The issuance of this amendment will not be inimical to the common defense and security or to the health and safety of the public; and
 - E. The issuance of this amendment is in accordance with 10 CFR Part 51 of the Commission's regulations and all applicable requirements have been satisfied.

2. Accordingly, Facility Operating License No. DPR-39 is amended as follows:

Paragraph 2.C.(16) is added to read as follows: "(16) ZS is authorized to revise the Defueled Safety Analysis Report (DSAR) as set forth in the application for amendment by the licensee, dated October 25, 2012 and May 16, 2013. ZS shall update the DSAR to include a description of the single-failure proof Fuel Building crane as authorized by Amendment 186 and in accordance with 10 CFR 50.71(e). This license amendment is effective on the date of issuance and shall be implemented prior to the start of operations to transfer spent fuel to the Zion Independent Spent Fuel Storage Installation."

Enclosure 1

3. This license amendment is effective on the date of issuance and shall be implemented prior to the start of operations to transfer spent fuel to the Zion Independent Spent Fuel Storage Installation.

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

/RA/

Andrew Persinko, Deputy Director
Decommissioning and Uranium Recovery
Licensing Directorate
Division of Waste Management
and Environmental Protection
Office of Federal and State Materials
and Environmental Management Programs

Attachment: Changes to the License

Date of Issuance: September 19, 2013

ATTACHMENT 1 TO LICENSE AMENDMENT NO. 186

FACILITY OPERATING LICENSE NO DPR-39

DOCKET NO. 50-295

Replace the following pages of the Facility Operating License No. DPR-39 with the enclosed revised pages.

Remove

License Page 6

Insert

License Page 6

- (e) The appropriate section of the decommissioning trust agreement shall state that the trustee, investment advisor, or anyone else directing the investments made in the trust shall adhere to a "prudent investor" standard, as specified in 18 CFR 35.32(a)(3) of the Federal Energy Regulatory Commission's regulations.
 - (15) ZS shall take all necessary steps to ensure that the decommissioning trust is maintained in accordance with the application for approval of the transfer of the Zion, Unit 1, license and the requirements of the Order approving the transfer, and consistent with the safety evaluation supporting the Order.
 - (16) ZS is authorized to revise the Defueled Safety Analysis Report (DSAR) as set forth in the application for amendment by the licensee, dated October 25, 2012 and May 16, 2013. ZS shall update the DSAR to include a description of the single-failure proof Fuel Building crane as authorized by Amendment 186 and in accordance with 10 CFR 50.71(e). This license amendment is effective on the date of issuance and shall be implemented prior to the start of operation to transfer spent fuel to the Zion Independent Spent Fuel Storage Installation.
- 3. This amended license is issued without prejudice to subsequent licensing action which may be taken by the Commission.
 - 4. This license is effective as of the date of issuance and shall expire at midnight on April 6, 2013.

FOR THE ATOMIC ENERGY COMMISSION

Original Signed by Roger S. Boyd

A. Giambusso, Deputy Director
For Reactor Projects
Directorate of Licensing

Date of Issuance: October 19, 1973

Amendment No. 186