

**NUCLEAR REGULATORY COMMISSION**

**[Docket No(s). 72-1031; 72-1037; 72-64; 72-38; and 72-45; NRC-2020-0092]**

**ZionSolutions LLC;**

**Dominion Energy Kewaunee, Inc.;**

**Duke Energy Carolinas, LLC;**

**AGENCY:** Nuclear Regulatory Commission.

**ACTION:** Exemptions; issuance.

**SUMMARY:** The U.S. Nuclear Regulatory Commission (NRC) issued four exemptions in response to requests from ZionSolutions LLC; Dominion Energy Kewaunee, Inc.; and Duke Energy Carolinas, LLC. The exemptions allow the licensees to deviate from the requirements for the MAGNASTOR® storage cask system in Certificate of Compliance No. 1031, Amendment No. 7 (for Catawba and McGuire) and Amendment No. 6 (for Zion and Kewaunee), by utilizing two exceptions to the American Society of Mechanical Engineers Boiler and Pressure Vessel Code. The NRC is issuing a single notice to announce the issuance of these exemptions because these are nearly identical.

**DATES:** The four exemptions were issued on April 21, 2020.

**ADDRESSES:** Please refer to Docket ID **NRC-2020-0092** when contacting the NRC about the availability of information regarding this document. You may obtain publicly-available information related to this document using any of the following methods:

- **Federal Rulemaking Web Site:** Go to <https://www.regulations.gov> and search for Docket ID **NRC-2020-0092**. Address questions about NRC dockets IDs in Regulations.gov to Jennifer Borges; telephone: 301-287-9127; e-mail: [Jennifer.Borges@nrc.gov](mailto:Jennifer.Borges@nrc.gov). For technical questions, contact the individual(s) listed in the

**FOR FURTHER INFORMATION CONTACT** section of this document.

- **NRC's Agencywide Documents Access and Management System**

**(ADAMS):** You may obtain publicly-available documents online in the ADAMS Public Documents collection at <https://www.nrc.gov/reading-rm/adams.html>. To begin the search, 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 [pdr.resource@nrc.gov](mailto:pdr.resource@nrc.gov).

For the convenience of the reader, instructions about obtaining materials referenced in this document are provided in the "Availability of Documents" section.

**FOR FURTHER INFORMATION CONTACT:** Bernard White, U.S. Nuclear Regulatory Commission, Washington DC 20555-0001; telephone: 301-415-6577, e-mail: [Bernard.White@nrc.gov](mailto:Bernard.White@nrc.gov).

**SUPPLEMENTARY INFORMATION:**

**I. Introduction**

The NRC issued four exemptions in response to requests dated December 30, 2019, January 16, 2020, and January 9, 2020, from ZionSolutions LLC; Dominion Energy Kewaunee, Inc.; Duke Energy Carolinas, LLC, respectively. The exemptions allow exemption from the requirements of title 10 of the *Code of Federal Regulations* (10 CFR) sections 72.212(a)(2), 72.212(b)(3), 72.212(b)(5)(i), 72.214, and the portion of 10 CFR 72.212(b)(11), which requires compliance with the terms and conditions set forth in the certificate of compliance for each spent fuel cask used by an independent spent fuel storage installation general licensee.

The exemptions requested use of two exceptions to the American Society of Mechanical Engineers Boiler and Pressure Vessel Code, one for the Section III, Division 1, Subsection NG-2300, Charpy V-notch testing direction requirement for carbon steel plate material greater than 0.625 inches thick and the other to the post-heat

treatment ultrasonic testing requirements in Section III, Division 1, Subsection NG-2500, for rolled carbon steel plate material greater than 0.75 inches thick. The requested exemptions do not change the fundamental design, components, contents, or safety features of the storage system.

## II. Availability of Documents

The table below provides the plant name, docket number, and ADAMS Accession Numbers related to this action. For further details with respect to these exemptions, see the requests for exemption for each facility in ADAMS. For additional direction on accessing information related to this document, see the **ADDRESSES** section of this document.

DOCUMENT TITLE	ADAMS ACCESSION NO.
<b>ZionSolutions Independent Spent Fuel Storage Installation Docket No. 72-1037</b>	
Request for an Exemption to the Requirements of Certificate of Compliance No. 1031, Amendment No. 6 for the NAC MAGNASTOR Storage System Zion Nuclear Power Station, Units 1 and 2 Facility Operating License Nos. DPR-39 and DPR-48 NRC Docket Nos. 50-295 and 50-304 Independent Spent Fuel Storage Installation Docket No. 72-1037	ML20003D845
Revised Request for an Exemption to the Requirements of Certificate of Compliance No. 1031 Amendment No. 6 for the NAC MAGNASTOR Storage System Zion Nuclear Power Station, Units 1 and 2 Facility Operating License Nos. DPR-39 and DPR-48 NRC Docket Nos. 50-295 and 50-304 Independent Spent Fuel Storage Installation Docket No. 72-1037	ML20035E402
Response to NRC Request for Additional Information for MAGNASTOR Basket Material Investigation for NAC CARs 19-01 and 19-02	ML20076C526
Issuance of Exemption for Zion Independent Spent Fuel Storage Installation	ML20098E710
<b>Catawba Independent Spent Fuel Storage Installation Docket No. 72-45</b>	
Request for an Exemption to the Requirements of Certificate of Compliance No. 1031, Amendment No. 7 for the NAC MAGNASTOR Storage System	ML20009E527

Response to Requests for Additional Information for Exemption Request to the Requirements of Certificate of Compliance No. 1031, Amendment No. 7 for the NAC MAGNASTOR Storage System	ML20072M224
Issuance of Exemption for Catawba Independent Spent Fuel Storage Installation	ML20098D956
<b>McGuire Independent Spent Fuel Storage Installation Docket No. 72-38</b>	
Request for an Exemption to the Requirements of Certificate of Compliance No. 1031, Amendment No. 7 for the NAC MAGNASTOR Storage System	ML20009E527
Response to Requests for Additional Information for Exemption Request to the Requirements of Certificate of Compliance No. 1031, Amendment No. 7 for the NAC MAGNASTOR Storage System	ML20072M224
Issuance of Exemption for McGuire Independent Spent Fuel Storage Installation	ML20098C982
<b>Kewaunee Independent Spent Fuel Storage Installation Docket No. 72-38</b>	
Dominion Energy Kewaunee, Inc. Kewaunee Power Station Request for Exemption from Certain Code of Federal Regulation Requirements of Certificate of Compliance No. 1031, Amendment No. 6 for the NAC MAGNASTOR Storage System.	ML20035C759
Dominion Energy Kewaunee, Inc. Kewaunee Power Station Application for Exemption -MAGNASTOR Storage System Response to Request for Additional Information	ML20086K860
Issuance of Exemption for McGuire Independent Spent Fuel Storage Installation	ML20098D404

The NRC may post additional materials to the Federal rulemaking Web site at <https://www.regulations.gov>, under Docket ID **NRC-2020-0092**. The Federal rulemaking Web site allows you to receive alerts when changes or additions occur in a docket folder. To subscribe: 1) Navigate to the docket folder (**NRC-2020-0092**); 2) click the

“Sign up for E-mail Alerts” link; and 3) enter your e-mail address and select how frequently you would like to receive e-mails (daily, weekly, or monthly).

Dated: April 22, 2020

For the Nuclear Regulatory Commission.

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Office of Nuclear Material Safety  
and Safeguards.