



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D.C. 20555-0001

July 10, 2020

Mr. Thomas D. Ray, P.E.  
Site Vice President  
McGuire Nuclear Station  
Duke Energy  
12700 Hagers Ferry Road  
Huntersville, NC 28078

SUBJECT: ENVIRONMENTAL ASSESSMENT AND FINDING OF NO SIGNIFICANT  
IMPACT RELATED TO EXEMPTION REQUEST FOR NAC MAGNASTOR®  
CASK LOADED TO INCORRECT HELIUM BACKFILL DENSITY

Dear Mr. Ray:

Enclosed is a copy of the environmental assessment and Finding of No Significant Impact related to your application for an exemption dated September 12, 2019 (Agencywide Documents Access and Management System (ADAMS) Accession Number No. ML19270E395), and supplemented on February 3, 2020 (ADAMS Accession No. ML20052D934), and June 15, 2020 (ADAMS Accession No. ML20178A548), with respect to storing NAC MAGNASTOR® Cask 0FCTKN045 at McGuire Nuclear Station Independent Spent Fuel Storage Installation (ISFSI) under Certificate of Compliance (CoC) No. 1031, Amendment No. 7.

The proposed action would allow Duke Energy to maintain MAGNASTOR® Cask 0FCTKN045 at the McGuire Nuclear Station ISFSI in the storage condition where the helium density is above the range specified in CoC No. 1031, Amendment No. 7, TS 3.1.1. This would be permitted under exemption from the following requirements of Title 10 of the *Code of Federal Regulations*, Part 72, sections:

- 10 CFR 72.212(b)(3), which states that the general licensee must “Ensure that each cask used by the general licensee conforms to the terms, conditions, and specifications of a CoC or an amended CoC listed in § 72.214.”
- 10 CFR 72.212(b)(5)(i), which states that “The cask, once loaded with spent fuel or once the changes authorized by an amended CoC have been applied, will conform to the terms, conditions, and specifications of a CoC or an amended CoC listed in § 72.214.”  
and
- 10 CFR 72.212(b)(11), which states that “The licensee shall comply with the terms, conditions, and specifications of the CoC and, for those casks to which the licensee has applied the changes of an amended CoC, the terms, conditions, and specifications of the amended CoC, including but not limited to, the requirements of any AMP put into effect as a condition of the NRC approval of a CoC renewal application in accordance with § 72.240.”

T. Ray

2

The environmental assessment and Finding of No Significant Impact are being forwarded to the Office of the Federal Register for publication. If you have any questions, please contact me at (301) 415-5722, or Yen-Ju Chen of my staff, at (301) 415-1018.

Sincerely,

John McKirgan, Chief  
Storage and Transportation Licensing Branch  
Division of Fuel Management  
Office of Nuclear Material Safety  
and Safeguards

Docket Nos.: 72-1031, 50-369,  
and 50-370

CAC No.: 001028

EPID No.: L-2019-LLE-0024

Enclosure:

Environmental Assessment

T. Ray

3

SUBJECT: ENVIRONMENTAL ASSESSMENT AND FINDING OF NO SIGNIFICANT  
IMPACT RELATED TO EXEMPTION REQUEST FOR NAC MAGNASTOR®  
CASK LOADED TO INCORRECT HELIUM BACKFILL DENSITY

DATED: July 10, 2020

**DISTRIBUTION:**

DFM r/f

ADAMS Accession No.: **ML20192A327 (Pkg)**                      **ML2019A328 (Ltr)**                      \* concur via email

<b>OFFICE:</b>	DFM	DFM	OGC/NLO	DFM
<b>NAME:</b>	YChen	WWheatley*	JMaltese*	JMcKirgan
<b>DATE:</b>	7/1/2020	6/24/2020	7/10/2020	7/10/2020

**OFFICIAL RECORD COPY**