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~~PROPRIETARY INFORMATION — WITHHOLD UNDER 10 CFR 2.390~~
UPON REMOVAL OF THE ENCLOSED DIGITAL VERSATILE DISC (DVD) THIS LETTER IS UNCONTROLLED

RA-20-0037

10 CFR Part 72

February 3, 2020

ATTN: Document Control Desk
Director, Division of Spent Fuel Storage and Transportation
Office of Nuclear Material Safety and Safeguards
U.S. Nuclear Regulatory Commission
Washington, DC 20555-0001

Duke Energy Carolinas, LLC (Duke Energy)
McGuire Nuclear Station, Units 1 and 2
Docket Nos. 50-369, 50-370, 72-1031
Renewed License Nos. NPF-9 and NPF-17
CAC No. 001028
EPID No. L-2019-LLE-0024

Subject: Response to NRC Request For Additional Information (RAI) Regarding NAC
MAGNASTOR® Cask Loaded to Incorrect Helium Backfill Density

References:

1. Duke Energy letter, Exemption Request for NAC MAGNASTOR® Cask Loaded to Incorrect Helium Backfill Density, dated September 12, 2019 (ADAMS Accession No. ML19270E738)
2. NRC letter, Exemption Request For NAC MAGNASTOR® Cask Loaded to Incorrect Helium Backfill Density – Request For Additional Information, dated January 7, 2020 (ADAMS Accession No. ML19354B637)

In Reference 1, Duke Energy Carolinas, LLC (Duke Energy) submitted an exemption request to the U.S. Nuclear Regulatory Commission (NRC) for NAC MAGNASTOR® Cask 0FCTKN045 due to a noncompliance with the terms and conditions of the NAC MAGNASTOR® Certificate of Compliance (CoC) No. 1031, Amendment 7, at the time of loading.

By letter dated January 7, 2020 (Reference 2), the NRC staff requested additional information from Duke Energy that is needed to determine compliance with 10 CFR 72.122(a) and (b).

www.duke-energy.com

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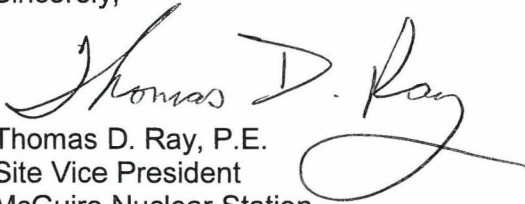
Duke Energy's response to Reference 2 is provided via this letter and its enclosures, which include propriety information. The propriety information is provided in portable document format (PDF) on the enclosed digital versatile disk (DVD) and includes the following documents:

- Calculation MCC-1553.12-00-0048, MNS TSC-099 Helium Overfill Canister Structural Analysis, Revision 0. This document addresses all three RAI questions (1.a, 1.b, and 1.c) and contains information propriety to NAC International.
- Design Input 30002-DI-07, Duke Energy – McGuire Nuclear Station Memo – Canister Contents Weight For MAG-TSC-418-099, Revision 0. This document provides supporting information for RAI 1.c and contains information propriety to NAC International.

NAC International requests that the proprietary information on the DVD be withheld from public disclosure in accordance with 10 CFR 2.390. An affidavit supporting the basis for withholding is enclosed.

This letter and its enclosures do not contain any regulatory commitments. Should you have any questions, please contact Jeff Thomas, Nuclear Licensing Consultant, at (980) 875-4499.

Sincerely,



Thomas D. Ray, P.E.
Site Vice President
McGuire Nuclear Station

Enclosures:

1. Digital Versatile Disk (DVD) (Propriety Information)
2. NAC International Affidavit

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cc: w/Enclosures

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Enclosure: NAC International Affidavit

~~PROPRIETY CONFIDENTIAL COMMERCIAL INFORMATION~~
WITHHOLD FROM PUBLIC DISCLOSURE PURSUANT TO 10 CFR 2.390



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NAC INTERNATIONAL
AFFIDAVIT PURSUANT TO 10 CFR 2.390

George Carver (Affiant), Vice President, Engineering and Licensing, hereinafter referred to as NAC, at 3930 East Jones Bridge Road, Peachtree Corners, Georgia 30092, being duly sworn, deposes and says that:

1. Affiant has reviewed the information described in Item 2 and is personally familiar with the trade secrets and privileged information contained therein, and is authorized to request its withholding.
2. The information to be withheld includes the following NAC Proprietary Information that is being provided in support of the NRC review of Duke Energy Carolinas, LLC, Letter RA-20-0037, Independent Spent Fuel Storage Installation (ISFSI) Docket No. 72-1031 Exemption Request for NAC MAGNASTOR® Cask Loaded to Incorrect Helium Backfill Density
 - Calculation MCC-1553.12-00-0048, MNS TSC-099 Helium Overfill Canister Structural Analysis, Revision 0. This is a propriety document owned by NAC International. This document addresses all three RAI questions (1.a, 1.b, and 1.c).
 - Design Input 30002-DI-07, Duke Energy – McGuire Nuclear Station Memo – Canister Contents Weight For MAG-TSC-418-099, Revision 0. This is a propriety document owned by Duke Energy. This document provides supporting information for RAI 1.c.

NAC is the owner of this information that is considered to be NAC Proprietary Information.

3. NAC makes this application for withholding of proprietary information based upon the exemption from disclosure set forth in: the Freedom of Information Act ("FOIA"); 5 USC Sec. 552(b)(4) and the Trade Secrets Act, 18 USC Sec. 1905; and NRC Regulations 10 CFR Part 9.17(a)(4), 2.390(a)(4), and 2.390(b)(1) for "trade secrets and commercial financial information obtained from a person, and privileged or confidential" (Exemption 4). The information for which exemption from disclosure is herein sought is all "confidential commercial information," and some portions may also qualify under the narrower definition of "trade secret," within the meanings assigned to those terms for purposes of FOIA Exemption 4.
4. Examples of categories of information that fit into the definition of proprietary information are:
 - a. Information that discloses a process, method, or apparatus, including supporting data and analyses, where prevention of its use by competitors of NAC, without license from NAC, constitutes a competitive economic advantage over other companies.
 - b. Information that, if used by a competitor, would reduce their expenditure of resources or improve their competitive position in the design, manufacture, shipment, installation, assurance of quality or licensing of a similar product.
 - c. Information that reveals cost or price information, production capacities, budget levels or commercial strategies of NAC, its customers, or its suppliers.
 - d. Information that reveals aspects of past, present or future NAC customer-funded development plans and programs of potential commercial value to NAC.



NAC INTERNATIONAL
AFFIDAVIT PURSUANT TO 10 CFR 2.390 (continued)

- e. Information that discloses patentable subject matter for which it may be desirable to obtain patent protection.

The information that is sought to be withheld is considered to be proprietary for the reasons set forth in Items 4.a, 4.b, and 4.d.

5. The information to be withheld is being transmitted to the NRC in confidence.
6. The information sought to be withheld, including that compiled from many sources, is of a sort customarily held in confidence by NAC, and is, in fact, so held. This information has, to the best of my knowledge and belief, consistently been held in confidence by NAC. No public disclosure has been made, and it is not available in public sources. All disclosures to third parties, including any required transmittals to the NRC, have been made, or must be made, pursuant to regulatory provisions or proprietary agreements, which provide for maintenance of the information in confidence. Its initial designation as proprietary information and the subsequent steps taken to prevent its unauthorized disclosure are as set forth in Items 7 and 8 following.
7. Initial approval of proprietary treatment of a document/information is made by the Vice President, Engineering, the Project Manager, the Licensing Specialist, or the Director, Licensing – the persons most likely to know the value and sensitivity of the information in relation to industry knowledge. Access to proprietary documents within NAC is limited via “controlled distribution” to individuals on a “need to know” basis. The procedure for external release of NAC proprietary documents typically requires the approval of the Project Manager based on a review of the documents for technical content, competitive effect and accuracy of the proprietary designation. Disclosures of proprietary documents outside of NAC are limited to regulatory agencies, customers and potential customers and their agents, suppliers, licensees and contractors with a legitimate need for the information, and then only in accordance with appropriate regulatory provisions or proprietary agreements.
8. NAC has invested a significant amount of time and money in the research, development, engineering and analytical costs to develop the information that is sought to be withheld as proprietary. This information is considered to be proprietary because it contains detailed descriptions of analytical approaches, methodologies, technical data and/or evaluation results not available elsewhere. The precise value of the expertise required to develop the proprietary information is difficult to quantify, but it is clearly substantial.

Public disclosure of the information to be withheld is likely to cause substantial harm to the competitive position of NAC, as the owner of the information, and reduce or eliminate the availability of profit-making opportunities. The proprietary information is part of NAC’s comprehensive spent fuel storage and transport technology base, and its commercial value extends beyond the original development cost to include the development of the expertise to determine and apply the appropriate evaluation process. The value of this proprietary information and the competitive advantage that it provides to NAC would be lost if the information were disclosed to the public. Making such information available to other parties, including competitors, without their having to make similar investments of time, labor and money would provide competitors with an unfair advantage and deprive NAC of the opportunity to seek an adequate return on its large investment.



NAC INTERNATIONAL
AFFIDAVIT PURSUANT TO 10 CFR 2.390 (continued)

STATE OF GEORGIA, COUNTY OF GWINNETT

Mr. George Carver, being duly sworn, deposes and says:

That he has read the foregoing affidavit and the matters stated herein are true and correct to the best of his knowledge, information and belief.

Executed at Peachtree Corners, Georgia, this 28th day of January, 2020.

A handwritten signature in blue ink, appearing to read 'George Carver', written over a horizontal line.

George Carver
Vice President, Engineering and Licensing
NAC International

Subscribed and sworn before me this 28th day of January, 2020.

A handwritten signature in blue ink, appearing to read 'Jeannie Kline Tob', written over a horizontal line.
Notary Public

