



**Global Nuclear Fuel**

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M240167

August 23, 2024

U.S. Nuclear Regulatory Commission  
Attn: Document Control Desk  
Washington, D.C. 20555-0001

Subject: GNF-A Written Follow-up Report – Fire System Impairment

References: 1) NRC License SNM-1097, Docket 70-1113  
2) GNF-A Event Notification 57198, 6/28/2024

Dear Sir or Madam:

In accordance with 10 CFR 70.74(b), Global Nuclear Fuel–Americas, LLC (GNF-A) hereby submits a written follow-up report for Event Notification 57198 that was provided to NRC on June 28, 2024 (Reference 2).

**Event 57198**

As discussed in the initial event report, GNF-A reported an unplanned fire system impairment to the New Hanover County (NHC) Deputy Fire Marshall. Consistent with 10 CFR 70, Appendix A(c), a concurrent report was provided to NRC and is included as Attachment 1 to this letter.

Additional information is provided as follows:

**Event Details and Safety Significance**

At approximately 23:10 EDT on June 27th, 2024, the New Hanover County Deputy Fire Marshall was notified that the site fire alarm system was impacted by multiple power surges from lightning. Specifically, the electric fire pump, while operational, cannot communicate with the fire system.

**Immediate Corrective Actions Taken**

A fire watch was initiated and repairs to the system begun. The electric fire pump communication was restored at approximately 07:45 on June 28<sup>th</sup>, 2024. A system test was conducted to confirm functionality.

**Probable Cause of Event**

The site fire alarm system was impacted by multiple power surges from lightning. The power surges damaged communication modules for the fire system. While the electric fire pump was operable, the pump would not be able to communicate system status to the alarm system.

**Short Term Corrective Actions**

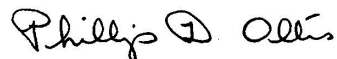
None.

**Longer Term Corrective Action**

None.

If you have any questions regarding this matter, please contact me at (910) 616-4018.

Sincerely,



Phillip D. Ollis  
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Attachments: 1) Event Description

cc: NRC Region II Administrator, Atlanta, GA  
C. Ubben, NRC RII Atlanta, GA  
J. Rowley, NRC NMSS, Washington, DC  
PDO 24-007

Attachment 1

Event Description

At approximately 23:10 EDT on June 27th, the New Hanover County Deputy Fire Marshall was notified that the site fire alarm system was impacted by multiple power surges from lightning. Specifically, the electric fire pump, while operational, cannot communicate with the fire system. A fire watch was initiated and repairs to the system begun. The electric fire pump communication was restored at approximately 07:45 on June 28th. The Deputy Fire Marshall was notified of communication restoration. Because the New Hanover County Deputy Fire Marshall was notified, a concurrent notification to the NRC Operations Center is being made per 10 CFR 70, Appendix A(c).

Phillip Ollis,  
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1319 6/28/2024