



Global Nuclear Fuel

M220067

May 9, 2022

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 Report 55786, 3/13/2022

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 55786 that was provided to NRC on March 13, 2022 (Reference 2).

Event 55786

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

On March 13th, GNF-A underwent an unplanned local power outage from downed powerlines. High winds caused a tree to fall on the power line resulting in loss of power to the electric fire pump. The backup diesel fire pump remained fully operational and available to perform its safety function. The Fuel Manufacturing Operation was unaffected by the power loss as it is fed from different distribution lines.

Immediate Corrective Actions Taken

At approximately 1045 (EST) on March 12th, 2022, the New Hanover County Deputy Fire Marshall was notified per State code requirements regarding fire systems impairments. Because the New Hanover County Deputy Fire Marshall was notified, a concurrent notification to the NRC Operations Center was made on March 13, 2022 per 10 CFR 70, Appendix A(c).

Probable Cause of Event

High winds caused a tree to fall across power lines causing a localized power outage.

Global Nuclear Fuel

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Short Term Corrective Actions

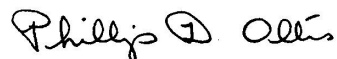
- 1) The diesel fire pump was verified as fully operational and available to perform its safety function.
- 2) Surveillance activities were initiated. Compensatory measures related to fire safety were communicated to the New Hanover County Fire Marshall's office.
- 3) Duke Energy Progress was contacted to repair the downed lines. Power was restored to service at approximately 1600 EDT on March 12, 2022. The NHC Deputy Fire Marshal was notified of the return to service.

Longer Term Corrective Action

None – Duke Energy Progress owns and controls the power lines.

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

Sincerely,



Phillip D. Ollis
Facility Licensing

Attachments: 1) Event 55786 Notification Description

cc: NRC Region II Administrator, Atlanta, GA
J. Rivera, NRC RII Atlanta. GA
L. Cooke, NRC RII Atlanta. GA
J. Rowley, NRC NMSS, Washington, DC
PDO 22-003

Attachment 1

Event 55786 Notification Description

At approximately 1045 (EST) on March 12th, 2022, the New Hanover County Deputy Fire Marshall was notified per State code requirements that the fire suppression system encompassing the Fuel Manufacturing Operation (FMO) was impaired. High winds had caused a tree to fall on a power line. As a result, the electric fire pump was without power. The backup diesel fire pump remained fully operational and available to perform its safety function. Power was restored at approximately 1600 on March 12th, 2022 and the Deputy Fire Marshall was notified of system 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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0934 3/13/2022