



**Global Nuclear Fuel**

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April 22, 2020

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 54538, 2/24/2020

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 54538 which was provided to NRC on February 24, 2020 (Reference 2).

**Event 54538**

As discussed in the initial event report, GNF-A reported a 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 2100 (EST) on February 23rd, 2020, the New Hanover County Deputy Fire Marshall was notified per State code requirements that a fire door for the FMO Dry Conversion Process (DCP) Line 1 conversion area remained open and unattended for an extended time. DCP Line 1 was shut down for maintenance at the time and all Special Nuclear Material (SNM) had been removed prior to work beginning. Compensatory measures were enacted. Because the New Hanover County Deputy Fire Marshall was notified, a concurrent notification to the NRC Operations Center was made per 10 CFR 70, Appendix A(c). There was no degradation of an item relied on for safety (IROFS) or failure to meet performance requirements.

**Probable Cause of Event**

Maintenance employees working in this area incorrectly assumed that this fire door did not need to remain closed or have compensatory measures per fire code requirements. Instead, there was an assumption that because the area was shut down for maintenance and because SNM had been removed that there were no additional fire door requirements.

**Short Term Corrective Action**

- 1) The maintenance work was stopped and compensatory measures were enacted. The fire door was closed.

**Longer Term Corrective Action**

- 1) Maintenance employees were retrained that fire doors must remain closed or compensatory measures such as a fire watch must be enacted if open for an extended time period.

Completed February 28, 2020

If you have any questions regarding this matter, please contact me at (910) 819-5950.

Sincerely,



Scott Murray, Manager  
Facility Licensing

Attachments: 1) Event 54538 Notification Description

cc: NRC Region II Administrator, Atlanta, GA  
L. Pitts, NRC RII Atlanta, GA  
M. Bartlett, NRC NMSS, Washington, DC  
SPM 20-018

Attachment 1

Event 54538 Notification Description

At 2100 (EST) on February 23rd, 2020, the New Hanover County Deputy Fire Marshall was notified per State code requirements that a fire door for FMO Dry Conversion Process (DCP) Line 1 conversion area remained open and unattended for an extended time. DCP Line 1 was shut down for maintenance at the time and all SNM had been removed prior to work beginning. Compensatory measures have been enacted. 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,  
Facility Licensing  
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