



**Global Nuclear Fuel**

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

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

**References:** 1) NRC License SNM-1097, Docket 70-1113  
2) GNF-A Event Report 54142, 7/3/2019  
3) GNF-A Event Report 54166, 7/16/2019

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 54142 that was provided to NRC on July 3, 2019 (Reference 2) and Event Notification 54166 that was provided to NRC on July 16, 2019 (Reference 3).

**Event 54142**

As discussed in the initial event report, GNF-A reported a planned 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 0915 (EDT) on July 3rd, 2019, the New Hanover County Deputy Fire Marshall was notified per State code requirements that the fire suppression system for the Fuel Manufacturing Operation Shop Support Areas was taken offline for planned maintenance to modify sprinkler piping. Compensatory measures were enacted. There was no degradation of an item relied on for safety (IROFS) or failure to meet performance requirements.

**Immediate Corrective Actions Taken**

The NHC Deputy Fire Marshall was notified at 0915 EDT on July 3, 2019 per State code requirements. An hourly fire watch was implemented for surveillance of the affected areas and all hot work was suspended. Because the NHC Deputy Fire Marshall was notified, a concurrent notification to the NRC Operations Center was made pursuant to 10 CFR 70, Appendix A(c).

### **Probable Cause of Event**

The activities included routine maintenance and inspections and there was no event.

### **Short Term Corrective Actions**

- 1) The system was restored to service at approximately 1445 EDT on July 3, 2019. The NHC Deputy Fire Marshal was also notified of the return to service.

### **Longer Term Corrective Action**

None

### **Event 54166**

As discussed in the initial event report, GNF-A reported a planned 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 2 to this letter.

Additional information is provided as follows:

### **Event Details and Safety Significance**

At 1133 (EDT) on July 16th, 2019, the New Hanover County Deputy Fire Marshall was notified per State code requirements that the fire suppression system for the Fuel Manufacturing Operation Area was taken offline for planned maintenance to modify sprinkler piping. Compensatory measures were enacted. There was no degradation of an item relied on for safety (IROFS) or failure to meet performance requirements.

### **Immediate Corrective Actions Taken**

The NHC Deputy Fire Marshall was notified at 1133 EDT on July 16, 2019 per State code requirements. An hourly fire watch was implemented for surveillance of the affected areas and all hot work was suspended. Because the NHC Deputy Fire Marshall was notified, a concurrent notification to the NRC Operations Center was made pursuant to 10 CFR 70, Appendix A(c).

### **Probable Cause of Event**

The activities included routine maintenance and inspections and there was no event.

### **Short Term Corrective Actions**

- 1) The system was restored to service at approximately 1400 EDT on July 16, 2019. The NHC Deputy Fire Marshal was also notified of the return to service.

**Longer Term Corrective Action**

None

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

Sincerely,

  
Scott Murray, Manager  
Facility Licensing

Attachments: 1) Event 54142 Notification Description  
2) Event 54166 Notification Description

cc: NRC Region II Administrator, Atlanta, GA  
T. Grice, NRC RII Atlanta. GA  
T. Naquin, NRC NMSS, Washington, DC  
SPM 19-020

Attachment 1

Event 54142 Notification Description

At 0915 EDT on July 3, 2019, the New Hanover County Deputy Fire Marshall was notified per State code requirements that the fire suppression system for the Fuel Manufacturing Operation Shop Support Areas was taken offline for planned maintenance to modify sprinkler piping. Compensatory measures were 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).

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Attachment 2

Event 54166 Notification Description

At 1133 EDT on July 16, 2019, the New Hanover County Deputy Fire Marshall was notified per State code requirements that the fire suppression system for the Fuel Manufacturing Operation Shop Support Areas was taken offline for planned maintenance to modify sprinkler piping. Compensatory measures were enacted. The system was taken offline at approximately 0800 EDT and was returned to service at approximately 1400. 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)

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