



Global Nuclear Fuel

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M180212

November 27, 2018

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 53637, 10/2/2018

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 53637 that was provided to NRC on October 2, 2018 (Reference 2). 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 an attachment to this letter.

Additional information is provided as follows:

Event Details and Safety Significance

At approximately 1525 EDT on October 1, 2018, Fire Riser 318 which serves both non-contaminated and contaminated areas in the Fuel Manufacturing Operation (FMO) building, was taken out of service for an emergency repair of a pin hole leak in the pipe. The failure mode was identified and evaluated in the Integrated Safety Analysis (ISA) and there was no degradation of an item relied on for safety (IROFS) or failure to meet performance requirements.

Immediate Corrective Actions Taken

Water was contained, and surveys were completed to ensure no contamination was released into non-contaminated areas. The NHC Deputy Fire Marshall was notified at 1655 EDT on October 1, 2018 per State code requirements. An hourly fire watch was implemented for surveillance of the affected areas. Because the NHC Deputy Fire Marshall was notified, a concurrent notification to the NRC Operations Center was made per 10 CFR 70, Appendix A(c).

Probable Cause of Event

Fire Riser 318 piping suffered a small failure (pin hole leak) due to age.

Short Term Corrective Actions

- 1) Fire Riser 318 was removed from service and a fire watch was established.

Completed: October 1, 2018

- 2) Water that had leaked from the pipe was removed and the area was surveyed to ensure no contamination was released into non-contaminated areas.

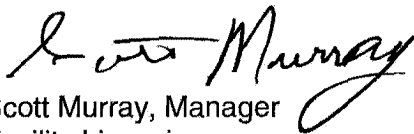
Completed: October 1, 2018

Longer Term Corrective Action

- 1) The leaking sprinkler pipe fitting was replaced, and the system was restored to service at approximately 1100 EDT on October 4, 2018. The NHC Deputy Fire Marshal was also notified via telephone of the return to service at 1150 EDT on October 4, 2018.

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

Sincerely,



Scott Murray, Manager
Facility Licensing

Attachment: Event Notification Description

cc: NRC Region II Administrator, Atlanta, GA
T. Vukovinsky, NRC RII Atlanta. GA
T. Naquin, NRC NMSS, Washington, DC
SPM 18-055

Attachment 1

Event Notification Description

At approximately 15:25 on October 1st, 2018, Fire Riser 318 which serves both non-contaminated and contaminated areas in FMO, was taken out of service due to a pin hole leak in the pipe. Water was contained, and surveys were completed to ensure no contamination was released into non-contaminated areas. The New Hanover County Deputy Fire Marshall was notified at 16:55 PM on October 1st, 2018, per State code requirements. An hourly fire watch was implemented for surveillance of the affected areas. 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)

Scott Murray,
Manager, Facility Licensing
1438 10/2/2018

UPDATE 10/04/2018

The leaking sprinkler pipe fitting was replaced this morning and the system was restored to service at approximately 11 AM, 10/4/18. The NHC Deputy Fire Marshal was notified via telephone of the return to service at 11:50 AM, 10/4/18.

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Facility Licensing
1335 10/4/2018