



## Global Nuclear Fuel

A Joint Venture of GE, Toshiba, & Hitachi

### Global Nuclear Fuel

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SPM 15-031

September 30, 2015

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

Attn: Eric Mitchel, Chief – Region II Fuel Facility Inspection Projects Branch 2

Subject: Dry Conversion Process (DCP) Recycle Operation Action Extension Request

References:

- 1) NRC License SNM-1097, Docket 70-1113
- 2) GNF-A Event Report 49969, 3/28/2014
- 3) GNF-A Event Report 49969 Update, 3/31/2014
- 4) GNF-A 30 day Report of Event, 4/25/2014
- 5) Letter, P.D. Ollis to M. Sykes, DCP Recycle Action Extension Request, 9/25/14
- 6) Letter, S.P. Murray to M. Sykes, DCP Recycle Action Extension Request, 3/27/15

Dear Mr. Mitchel:

In accordance with 10 CFR 70.50(c)(2), Global Nuclear Fuel–Americas, LLC (GNF-A) submitted a 30-day written report on April 25, 2014 (Reference 4) for Event Notification 49969. In this report, GNF-A provided four longer term corrective actions:

- 1) Restore the suppressed OAR, make modifications as necessary and develop a functional test instruction to ensure AAC functionality for pressure indication is maintained.
- 2) Redesign recycle moisture sensor control as necessary and revise dew point probe functional test instruction to ensure proper flow to the sensor is maintained.
- 3) Revise DCP conversion operating procedure to ensure moisture sensor functional verification includes a check to ensure proper gas flow in the line prior to recycle operations.
- 4) Evaluate the need for additional training for DCP recycle operation IROFS and management measures.

These corrective actions have subsequently been combined into a single action to better reflect the redesigned recycle system.

Design a control scheme that ensures performance criteria are met in normal and credible abnormal conditions. This will include:

- Ensuring that flows to moisture sensors remain available to assure proper functionality.
- To the extent practical, ensuring that functional tests use methods that trigger alarms in a manner similar to expected upsets, and that OARs are activated and remain available after the test.
- Developing and training on procedures for the re-designed system.

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GNF-A is requesting an extension for this action in order to complete a more comprehensive design and implement equipment modifications. GNF-A will notify you when this action is complete prior to restarting the DCP recycle operation.

The DCP recycle operation remains shut down until this action is completed.

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

Sincerely,



Scott P. Murray, Manager  
Facility Licensing

Commitments: As shown above

Attachment: None

cc: NRC Region II Administrator, Atlanta, GA  
M. Crespo, NRC RII Atlanta, GA  
T.D. Naquin, NRC NMSS, Washington, DC