

RS-17-132

October 4, 2017

U.S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, DC 20555-0001

Clinton Power Station, Unit 1
Facility Operating License No. NPF-62
NRC Docket No. 50-461

Subject: Update to Notification of Intended Use of NSF Lead Use Channels

- References:
1. Letter from P. R. Simpson (Exelon Generation Company, LLC (EGC)) to U. S. NRC, "Notification of Intended Use of NSF Lead Use Channels," dated April 25, 2014
 2. Letter from A. A. Lingenfelter (Global Nuclear Fuel – Americas, LLC) to U. S. NRC, "Accepted Version of Enhanced Lead Use Channel (LUC) Program for NSF Fuel Bundle Channels," dated April 15, 2013
 3. Letter from P. R. Simpson (Exelon Generation Company, LLC (EGC)) to U. S. NRC, "Update to Notification of Intended Use of NSF Lead Use Channels," dated April 29, 2015

In Reference 1, EGC notified the NRC of the intended use of Global Nuclear Fuel NSF lead use channels (LUC) at Clinton Power Station, Unit 1 (CPS).

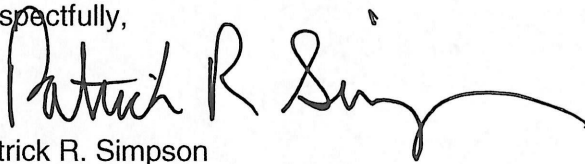
Enclosure 1 of Reference 2, MFN 12-074, "Enhanced Lead Use Channel (LUC) Program for NSF Fuel Bundle Channels," dated September 25, 2012, describes the NSF LUC Program, which includes post-irradiation visual evaluations of the channels for corrosion performance and changes in channel length indicative of channel bow. These evaluations were established for a 24-month refuel outage frequency and after discharge of the channel from the core.

Subsequent to Reference 1, EGC transitioned to 12-month fuel cycles at CPS. EGC notified the NRC in Reference 3 that the refuel outage evaluations of the NSF channels at CPS would be performed during every other refueling outage. The first inspections of the NSF channels occurred at CPS in spring 2017.

EGC has determined that CPS will return to a 24-month refuel outage frequency. In order to do so efficiently, there will be a transition to 24-month cycles over the next several years. As a result, the frequency of the post-irradiation evaluations for the NSF LUC Program channels at CPS will be affected. Specifically, the evaluations that were planned to occur in the spring of 2019 are now currently anticipated to occur in the fall of 2019, or later if the NSF LUCs are discharged during that refuel outage. This will equate to an interval of approximately 28 months between evaluations.

There are no regulatory commitments contained in this letter. Should you have any questions concerning this letter, please contact Mr. Mitchel A. Mathews at (630) 657-2819.

Respectfully,

A handwritten signature in black ink, appearing to read "Patrick R. Simpson". The signature is fluid and cursive, with a long horizontal flourish extending to the right.

Patrick R. Simpson
Manager – Licensing