



Clinton Power Station  
8401 Power Road  
Clinton, IL 61727

U-604158

February 10, 2014

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: Non-Routine Report on Clinton Lake Fish Loss

In accordance with the Clinton Power Station (CPS) Environmental Protection Plan (Non-Radiological), Sections 4.1, Unusual or Important Environmental Events, and 5.4, Plant Reporting Requirements, Exelon Generation Company (EGC), LLC, is submitting this non-routine report of a fish loss that occurred on Clinton Lake.

On January 10, 2014, the Illinois Department of Natural Resources (IDNR) notified EGC Environmental personnel that there had been a reported fish loss on Clinton Lake. IDNR personnel confirmed the loss by observation near the Illinois Route 48 bridge. On January 14, 2014, CPS Environmental staff and IDNR personnel performed an extensive inspection by boat of the shoreline of the lake. There were several species observed that had washed onto the shoreline. The majority of the fish were carp and buffalo. There were also a small number of sport fish. EGC Environmental personnel also notified the Illinois Environmental Protection Agency, which requested no further action or information. The number of fish lost is small and does not have a significant impact on the overall fish population in Clinton Lake.

On December 8 and 13, 2013, CPS experienced unplanned plant shutdowns. Following both shutdowns, Clinton personnel performed walkdowns of the lake for any unusual occurrences. No issues were identified until the IDNR contacted EGC on January 10. The causes for these two shutdowns are being evaluated in the corrective action process. These shutdowns can cause a thermal gradient in the lake that could have an impact on a

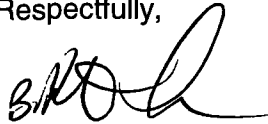
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small portion of the fish population in the lake. Plant shutdowns are normally scheduled in the spring or fall which minimize the potential for thermal gradients. No cleanup has been determined to be necessary as natural processes have begun to decompose the fish.

This letter contains no regulatory commitments.

Please direct any questions you may have regarding this submittal to Mr. Rick Bair, Manager Chemistry, Environmental and Radwaste at (217) 937-3200.

Respectfully,

A handwritten signature in black ink, appearing to read 'B. Keith Taber', with a stylized flourish at the end.

B. Keith Taber  
Site Vice President  
Clinton Power Station

JLP/blf

cc: NRC Project Manager, NRR – Clinton Power Station  
Regional Administrator, NRC Region III  
NRC Senior Resident Inspector – Clinton Power Station  
Office of Nuclear Facility Safety – IEMA Division of Nuclear Safety