



An Exelon Company

Clinton Power Station
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Clinton Power Station
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), Section 4.1, "Unusual or Important Environmental Events," Amergen Energy Company (Amergen), is submitting this non-routine report on a fish loss that occurred on Clinton Lake.

On February 27, 2004, the Illinois Department of Natural Resources (IDNR) notified Exelon Corporate Environmental personnel that there had been a fish loss on Clinton Lake. IDNR personnel identified the loss during activities associated with preparing their boats for the upcoming spring and summer months. Illinois Environmental Protection Agency personnel were also notified by IDNR.

On February 28, 2004, CPS Environmental staff performed an extensive inspection of the east side shoreline of the lake. There were several species observed that had washed onto the Clinton Lake shoreline. The vast majority of fish were gizzard shad but others identified included rough fish such as buffalo, quillback and carp. There was also a small number of walleye, crappie and bass. The total number of fish involved was approximately 1,980. This loss is small in comparison to the overall fish population in Clinton Lake and does not have a significant impact on the overall fish population in the lake. IDNR personnel characterized the total loss as "light" and that the gizzard shad species is very abundant and typically experiences a die off every spring. The gizzard shad are a fragile fish that does not tolerate stress very well from overcrowding, temperature, etc.

On February 3, 2004, Clinton Power Station performed a normal plant shutdown for refueling outage 1CR09. This gradual shutdown reduced the temperature of the heated water in the discharge flume from approximately 70° F to 35° F over approximately a nine hour period. Most of the fish in the flume were able to acclimate to the changing temperature, however some could not adapt. This controlled deliberate shutdown of the plant is to minimize the adverse impact on the aquatic balance of the lake. No cleanup is necessary, as natural processes have begun to decompose the fish.

IE23

For additional information concerning this event please contact David Siebert at
(217) 937-3245.

Sincerely,



R. S. Bennett
Site Vice President
Clinton Power Station

DCS/EET/blf

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