



An Exelon Company

Clinton Power Station  
R. R. 3, Box 228  
Clinton, IL 61727

U-603726  
April 19, 2005

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

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

Subject: Annual Environmental Operating Report

In accordance with Appendix B, Environmental Protection Plan, of Facility Operating License No. NPF-62 for Clinton Power Station, AmerGen Energy Company, LLC (AmerGen) is submitting the attached Annual Environmental Operating Report. This report covers the period of January 1, 2004 through December 31, 2004.

Respectfully,

W. S. Iliff  
Regulatory Assurance Manager  
Clinton Power Station

EET/blf

Attachment

cc: Regional Administrator - NRC Region III  
NRC Senior Resident Inspector – Clinton Power Station  
Office of Nuclear Facility Safety - Illinois Department of Nuclear Safety

IE25

**Annual Environmental Operating Report**

The Environmental Protection Plan (EPP) for Clinton Power Station (CPS) requires that the Annual Environmental Operating Report include:

- (a) A list of EPP noncompliances and the corrective actions taken to remedy them.
- (b) A list of all changes in station design or operation, tests, and experiments made in accordance with Subsection 3.1 of the EPP which involved a potentially significant unreviewed environmental issue.
- (c) A list of non-routine reports submitted in accordance with Subsection 5.4.2 of the EPP.
- (d) Any results and/or assessments for the environmental monitoring programs described in Subsection 2.0 of the EPP which were submitted to the respective regulatory agencies during the annual reporting period.

The following provides AmerGen's response to each listed item for CPS:

**A. A list of EPP noncompliances and the corrective actions taken to remedy them:**

**1. Noncompliance:**

In January 2004, water from the sediment ponds (outfall 003) was discharged with a pH of 9.15, above the limit of 9.0, for approximately two hours.

A malfunction of the interlock that automatically aligns the sediment pond discharge to recycle when pH exceeds 8.5 was the cause. A contributing factor was a Chemistry Technician who was performing the manipulation left the panel as pH was increasing and did not wait for it to stabilize. He felt the pH would stabilize prior to reaching 9.0, based on his experience from the previous discharge. However, the pond pH was abnormally high due to an increase in Clinton Lake pH to nearly 9.0. The sediment ponds receive waste from the Makeup Water Pumpouse.

This issue was entered into the site Corrective Action Database.

**B. A list of all changes in station design or operation, tests, and experiments made in accordance with Subsection 3.1 of the EPP that involved a potentially significant unreviewed environmental issue:**

Clinton Power Station did not submit requests for any changes made in accordance with Subsection 3.1 of the EPP during 2004.

**C. A list of non-routine reports submitted in accordance with Subsection 5.4.2 of the EPP:**

Clinton Power Station did not submit any non-routine reports to the NRC in accordance with Subsection 5.4.2 of the EPP during 2004.

- D. Any results and/or assessments for the environmental monitoring programs described in Subsection 2.0 of the EPP which were submitted to the respective regulatory agencies during the annual reporting period:**

There were no results and/or assessments submitted to regulatory agencies regarding environmental monitoring programs described in Subsection 2.0 during 2004.