Exelon
Nuclear

Clinton Power Station
8401 Power Road
Clinton, IL 61727-9351

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Nuclear Regulatory Commission
Washington, D.C. 20555

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

Subject: Clinton Power Station
Correction to 2005 Annual Radioactive Effluent Release Report

As a result of an NRC inspection, a correction to the Annual Radioactive Effluent Release Report for Clinton Power Station (CPS) for the period of January 1, 2005, through December 31, 2005 is needed. Attached is the corrected Section 5, Solid Waste Disposal Information.

For questions, please contact Jamision Rappeport, Chemistry Manager, 217-937-3200.

Respectfully,

M. E. Kanavos
Plant Manager
Clinton Power Station

EET/SIS/blf

Attachment

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

IE48
NRR

It was discovered that corrections to be made in the 2005 Annual Radioactive Effluent Release Report. The corrections are in section 5, "Solid Waste Disposal Information".

On page 28 of 108 in the 2005 Annual Report:

2. Total curie quantity: Class A waste was 394 Curies and it has been Corrected as 689 Curies.

On page 29 of 108 in the 2005 Annual Report: Two (2) corrections were made as follows:

A. Solid Waste Shipped Offsite for Burial or Disposal:

Under Table A.1 Types of Waste and under a. Spent resins, filter sludges, evaporator bottoms, etc. (July – December, 2005) it was 299 Curies and it is corrected as 622 Curies.

A.1. Type of Waste		Units	January – June 2005	July – December 2005	Est. Total Error, %
a.	Spent resins, filter sludges, evaporator bottoms, etc.	ft^3	1,460	1,580	25
		Ci	66.9	622	
		Ci	0.458	0.733	

A.2 Estimate of major nuclide composition (by type of waste)

1. Spent resins, filters, evaporator bottom, etc.

Waste Class A: Total nuclides were reported as 366 Curies and it is corrected to 689 Curies.

The corrected values of the nuclides are listed in the table below.

Waste Class	Nuclide Name	% Percent Abundance	Curies
A	Mn^{54}	3.135	21.6
	Fe^{55}	79.096	545
	Co^{60}	16.313	112.4
	Ni^{63}	0.617	4.3
	Other	0.840	5.8