

Oyster Creek Generating Station  
Route 9 South  
PO Box 388  
Forked River, NJ 08731

www.exeloncorp.com

10 CFR 50.36a(a)(2)  
10 CFR 72.44 (d)(3)  
Technical Specification 6.9.1.d

RA-10-002

April 30, 2010

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

Oyster Creek Nuclear Generating Station  
Renewed Facility Operating License No. DPR-16  
NRC Docket No. 50-219

Independent Spent Fuel Storage Facility  
NRC Docket No. 72-15

Subject: Annual Radioactive Effluent Release Report for 2009

Enclosed with this cover letter is the Annual Radioactive Effluent Release Report for the period January 1 to December 31, 2009. This report includes the Oyster Creek Nuclear Generating Station Independent Spent Fuel Storage Facility. Two revisions (Revision 3 and Revision 4) were made to the OCNCS Offsite Dose Calculation Manual during the calendar year 2009 and are enclosed.

This report does not include impacts from the recently identified inoperability of the Main Stack effluent monitoring system. This issue has been entered into the station's corrective action program and a corrected report will be submitted after dose calculation impacts from the inoperability of the Main Stack effluent monitoring system have been determined.

Attachment 1 forwards a corrected version of the 2008 Annual Radiological Effluent Release Report along with two revisions to the Process Control Plan. All changes are marked with revision bars.

If any further information or assistance is needed, please contact Lynda Fileppi at 609-971-4029.

Sincerely,



Michael J. Massaro  
Vice President – Oyster Creek Nuclear Generating Station

A009  
IE48  
IE17  
MRA  
MASS

Enclosure: 2009 Annual Radioactive Effluent Release Report

Attachments:

1. Corrected 2008 Annual Radioactive Effluent Release Report
2. Process Control Plan (RW-AA-100) Revisions 6 and 7

cc: Administrator, USNRC Region I (w/o attachment)  
USNRC Senior Project Manager, Oyster Creek (w/o attachment)  
USNRC Senior Resident Inspector, Oyster Creek (w/o attachment)  
Ed Everett, American Nuclear Insurers  
File No. 10002 (w/o attachment)