Mr. Michael J. Pacilio  
Senior Vice President, Exelon Generation Company, LLC  
President and Chief Nuclear Officer (CNO), Exelon Nuclear  
4300 Winfield Road  
Warrenville, IL  60555

SUBJECT: ANNUAL ASSESSMENT LETTER FOR CLINTON POWER STATION  
(REPORT 05000461/2011001)

Dear Mr. Pacilio:

On February 17, 2011, the NRC completed its end-of-cycle performance review of Clinton Power Station, Unit 1. The NRC reviewed the most recent quarterly performance indicators (PIs) in addition to inspection results and enforcement actions from January 1, 2010, through December 31, 2010. This letter informs you of the NRC’s assessment of your facility during this period and its plans for future inspections at your facility. This performance review and enclosed inspection plan do not include security information. A separate letter will include the NRC’s assessment of your performance in the Security Cornerstone and its security-related inspection plan.

The NRC determined that overall, Clinton Power Station, Unit 1, operated in a manner that preserved public health and safety and met all cornerstone objectives. The NRC determined the performance at Clinton Power Station, Unit 1, during the most recent quarter was within the Licensee Response Column of the NRC’s Reactor Oversight Process (ROP) Action Matrix because all inspection findings had very low (i.e., green) safety significance, and all PIs indicated that your performance was within the nominal, expected range (i.e., green). However, as noted in the 2010 Clinton Mid-Cycle Performance Review letter, we plan on performing Inspection Procedure 92723, “Follow Up Inspection for Three or More Severity Level IV Traditional Enforcement Violations in the Same Area in a 12-Month Period,” to follow up on four Severity Level IV violations associated with impeding the regulatory process. This inspection is scheduled for April 2011. Otherwise, the NRC plans to conduct ROP baseline inspections at your facility.

during the last nine months of the inspection plan are tentative and may be revised at the mid-cycle performance review. The NRC provides the inspection plan to allow for the resolution of any scheduling conflicts and personnel availability issues. The NRC will contact you as soon as possible to discuss changes to the inspection plan should circumstances warrant any changes.

In accordance with 10 CFR 2.390 of the NRC’s “Rules of Practice,” a copy of this letter will be made available electronically for public inspection in the NRC Public Document Room or from the Publicly Available Records (PARS) component of NRC’s document system (ADAMS). ADAMS is accessible from the NRC Website at [http://www.nrc.gov/reading-rm/adams.html](http://www.nrc.gov/reading-rm/adams.html) (the Public Electronic Reading Room).

Please contact me at (630) 829-9703 with any questions you may have regarding this letter.

Sincerely,

/RA/

Mark A. Ring, Chief
Branch 1
Division of Reactor Projects

Docket No. 50-461
License No. NPF-62

Enclosure: Clinton Power Station Inspection/Activity Plan

cc w/encl: Distribution via ListServ
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DISTRIBUTION:
See next page
Letter to M. Pacilio from M. Ring dated March 4, 2011

SUBJECT: ANNUAL ASSESSMENT LETTER FOR CLINTON POWER STATION
(REPORT 05000461/2011001)

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Linda Linn
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DRPIII
Patricia Buckley
Tammy Tomczak
ROPassessment.Resource@nrc.gov
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<th>Title</th>
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This report shows only on-site and announced inspection procedures.
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