

July 17, 2007

Mr. Christopher M. Crane
President and Chief Nuclear Officer
Exelon Generation Company, LLC
4300 Winfield Road
Warrenville, IL 60555

SUBJECT: BYRON STATION, UNIT NO. 2 - CLOSURE OF CONFIRMATORY ACTION
LETTER NO. NRR-07-012 (TAC NO. MD4137)

Dear Mr. Crane:

On March 22, 2007, the U.S. Nuclear Regulatory Commission (NRC) issued Confirmatory Action Letter (CAL) No. NRR-07-012 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML070740325) regarding dissimilar metal welds in the pressurizer at Byron Station (Byron), Unit No. 2. This letter acknowledges receipt of your letter dated June 4, 2007 (ADAMS Accession No. ML071560272) informing the NRC of actions taken in response to this CAL.

In your letter, you stated the actions and commitments confirmed in CAL No. NRR-07-012 have been completed for Byron, Unit No. 2. Full structural weld overlays, with primary water stress corrosion cracking resistant material, were installed on Byron, Unit No. 2 pressurizer surge, spray, safety, and relief nozzle butt welds and safe end butt welds containing Alloy 82/182 material. The overlays were completed in spring 2007 refueling outage (B2R13). All six Byron, Unit No. 2 pressurizer connections weld overlays were volumetrically examined in accordance with the requirements of Relief Request 13R-08. Results of the examinations were transmitted to the NRC by letter dated May 4, 2007 (ADAMS Accession No. ML071240370).

Based on your letter, the NRC staff has found that all the commitments listed in the CAL and supporting commitment letter (ADAMS Accession No. ML070520499) have been met. No further response is required regarding the CAL. We consider the CAL closed. As such, it is no longer necessary to implement enhanced inspection and leakage monitoring requirements for the reactor coolant system.

Thank you for informing us of the actions documented in your letter. These actions may be examined during a future NRC inspection of your facility.

Current NRC regulations and the NRC Enforcement Policy are available at the NRC web site at <http://www.nrc.gov/materials/miau/mat-toolkits.html> and <http://www.nrc.gov/what-wedo/regulatory/enforcement> or by contacting the Government Printing Office (GPO) toll-free at 1-888-293-6498. The GPO is open from 7:00 a.m. to 9:00 p.m. EST, Monday through Friday (except Federal holidays).

C. Crane

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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 NRC's document system (ADAMS), accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html>.

Sincerely,

/RA/

Catherine Haney, Director
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

Docket No. STN 50-455

cc: See next page

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Sincerely,

/RA/

Catherine Haney, Director
 Division of Operating Reactor Licensing
 Office of Nuclear Reactor Regulation

Docket No. STN 50-455

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NRR-106

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