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10 CFR 50.54(p)(2)
10 CFR 50.4(b)(4)

RS-05-138

October 20, 2005

United States Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, DC 20555-0001

Byron Station, Units 1 and 2
Facility Operating License Nos. NPF-37 and NPF-66
NRC Docket Nos. STN 50-454 and STN 50-455

Subject: Byron Station Security Plan, Training and Qualification Plan, and
Safeguards Contingency Plan, Revision 1

In accordance with 10 CFR 50.54, "Conditions of licenses," paragraph (p)(2), Exelon Generation Company, LLC (EGC) is submitting Revision 1 to the Byron Station Security Plan. The changes to the Byron Station Security Plan, Training and Qualification Plan, and Safeguards Contingency Plan were implemented on September 12, 2005. In accordance with 10 CFR 50.54(p)(2), EGC is submitting this change within 60 days of implementation (i.e., November 11, 2005).

The Security Plan, Training and Qualification Plan, and Safeguards Contingency Plan have been revised to increase the minimum number of security responders by defining additional armed responders that the site maintains in order to implement the protective strategy. This increase resulted in changes to generic definitions, as well as other clarifications to the Security and Safeguards Contingency Plans.

EGC has concluded that the changes do not decrease the safeguards effectiveness of the Byron Station Security Plan, Training and Qualification Plan, and Safeguards Contingency Plan.

Attachment 2 contains Safeguards Information. Therefore, EGC requests that this information be withheld from public disclosure in accordance with 10 CFR 2.390, "Public inspections, exemptions, requests for withholding," paragraph (a)(1)(i), and 10 CFR 73.21, "Requirements for the protection of safeguards information," paragraph (b)(1)(i).

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Should you have any questions concerning this letter, please contact Mr. Dean J. Walker at (630) 657-2906.

Respectfully,



Patrick R. Simpson
Manager – Licensing

Attachments:

1. "Byron Station Security Plan, Training and Qualification Plan, and Safeguards Contingency Plan, Revision 1, Change Matrix"
2. Byron Station Security Plan, Training and Qualification Plan, and Safeguards Contingency Plan, Revision 1 (**Contains Safeguards Information**)

cc: Regional Administrator – NRC Region III

ATTACHMENT 2 CONTAINS SAFEGUARDS INFORMATION
UPON SEPARATION THIS PAGE IS DECONTROLLED