UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

February 25, 2016

Mr. Bryan C. Hanson
Senior Vice President
Exelon Generation Company, LLC
President and Chief Nuclear Officer (CNO)
Exelon Nuclear
4300 Winfield Road
Warrenville, IL 60555

SUBJECT: BRAIDWOOD STATION, UNITS 1 AND 2; BYRON STATION, UNIT NOS. 1
AND 2; CALVERT CLIFFS NUCLEAR POWER PLANT, UNITS 1 AND 2;
CLINTON POWER STATION, UNIT NO. 1; DRESDEN NUCLEAR POWER
STATION, UNITS 1, 2 AND 3; LASALLE COUNTY STATION, UNITS 1 AND 2;
LIMERICK GENERATING STATION, UNITS 1 AND 2; NINE MILE POINT
NUCLEAR STATION, UNITS 1 AND 2; OYSTER CREEK NUCLEAR
GENERATING STATION; PEACH BOTTOM ATOMIC POWER STATION,
UNITS 1, 2 AND 3; QUAD CITIES NUCLEAR POWER STATION, UNITS 1
AND 2; R. E. GINNA NUCLEAR POWER PLANT; AND THREE MILE ISLAND
NUCLEAR STATION, UNIT 1 – USE OF ENCRYPTION SOFTWARE FOR
ELECTRONIC TRANSMISSION OF SAFEGUARDS INFORMATION (CAC NOS.
MF7239–MF7260)

Dear Mr. Hanson:

By letter dated January 11, 2016, Exelon Generation Company, LLC (Exelon) requested the
U.S. Nuclear Regulatory Commission (NRC) approval to use Symantec Desktop Email Version
10.3.2 in accordance with Title 10 of the *Code of Federal Regulations* (10 CFR) Paragraph
73.22(f)(3).

Section 73.22(f) of 10 CFR, "External transmission of documents and material," describes
requirements for the transmission of Safeguards Information outside an authorized place of use
or storage. 10 CFR 73.22(f)(3) states, in part:

> Except under emergency or extraordinary conditions, Safeguards Information
> shall be transmitted outside an authorized place of use or storage only by NRC
> approved secure electronic devices, such as facsimiles or telephone devices,
> provided that transmitters and receivers implement processes that will provide
> high assurance that Safeguards Information is protected before and after the
> transmission or electronic mail through the internet, provided that the information
> is encrypted by a method (Federal Information Processing Standard [FIPS] 140–
> 2 or later) approved by the appropriate NRC Office; the information is produced
> by a self contained secure automatic data process system; and transmitters and
> receivers implement the information handling processes that will provide high
> assurance that Safeguards Information is protected before and after
> transmission.

B. Hanson   - 2 -

Guidance to licensees on the electronic transmission of Safeguards Information is provided in NRC Regulatory Issue Summary (RIS) 2002-15, Revision 1, "NRC Approval of Commercial Data Encryption Products for the Electronic Transmission of Safeguards Information," dated January 26, 2006 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML050460031).

As stated in Exelon's letter, Symantec Desktop Email Version 10.3.2 was developed with PGP Software Developer's Kit (SDK) Cryptographic Module Software Version 4.2.1 and complies with FIPS 140-2 as validated by the National Institute of Standards and Technology (NIST) Consolidated Certificate No. 0014. A copy of the certificate was enclosed with Exelon's letter.

The NRC approves only those cryptographic algorithms approved by NIST. Based on the NIST validation that the encryption software complies with FIPS 140-2, the NRC staff finds that the use of Symantec Desktop Email Version 10.3.2 is acceptable to use for electronic transmission of Safeguards Information in accordance with 10 CFR 73.22(f)(3). Thus, the staff approves the use of this software, in accordance with 10 CFR 73.22(f)(3), at all of Exelon's NRC-licensed facilities. If NIST no longer approves certain cryptographic algorithms, the NRC also does not approve use of that cryptographic algorithm.

If you have any questions, please contact me at 301-415-1380.

Sincerely,

Blake Purnell, Project Manager
Plant Licensing III-2 and
  Planning and Analysis Branch
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

Docket Nos. STN 50-456, STN 50-457, 72-73
   STN 50-454, STN 50-455, 72-68, 50-317, 50-318,
   72-8, 50-461, 50-10, 50-237, 50-249, 72-37,
   50-373, 50-374, 72-70, 50-352, 50-353, 72-65,
   50-220, 50-410, 72-1036, 50-219, 72-15, 50-171
   50-277, 50-278, 72-29, 50-254, 50-265, 72-53, 50-244,
   72-67, and 50-289

cc: Distribution via Listserv

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/RA/

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  72-67, and 50-289

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ADAMS Accession No. ML16032A393   *via e-mail

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DATE	2/25/16	2/25/16	2/25/16	2/25/16

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