



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

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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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50-277, 50-278, 72-29, 50-254, 50-265, 72-53, 50-244,  
72-67, and 50-289

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RidsNrrPMTthreeMileIsland Resource  
RidsNrrPMExelon Resource  
DParsons, NSIR

ADAMS Accession No. ML16032A393

\*via e-mail

OFFICE	NRR/LPL3-2/PM	NRR/LPL3-2/LA	NSIR/DSO/ISB/BC*	OGC NLO w/edits
NAME	BPurnell	SRohrer	DParsons	JBielecki
DATE	2/24/16	2/1/16	2/2/16	2/23/16
OFFICE	NMSS/DSFM/SFLB/BC(A)*	NMSS/DUWP/RDB/BC*	NRR/LPL3-2/BC(A)	NRR/LPL3-2/PM
NAME	SRuffin	BWatson	JPoole	BPurnell
DATE	2/25/16	2/25/16	2/25/16	2/25/16