



Entergy

Entergy Nuclear Operations, Inc.
Pilgrim Nuclear Power Station
600 Rocky Hill Road
Plymouth, MA 02360

August 17, 2011

U. S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, D.C. 20555-0001

SUBJECT: Entergy Nuclear Operations, Inc.
Pilgrim Nuclear Power Station

Docket No.: 50-293
License No.: DPR-35
Use of Encryption Software for Electronic Transmission of Safeguards
Information

LETTER NUMBER: 2. 11.053

Dear Sir or Madam:

Pursuant to 10 CFR 73.22(f)(3) and the guidance provided in Regulatory Issue Summary 2002-15, Revision 1, "NRC Approval of Commercial Data Encryption Products for the Electronic Transmission of Safeguards Information", Entergy Operations, Inc. (Entergy), Pilgrim Nuclear Power Station (Pilgrim Station) requests NRC approval to replace the current version of encryption product in use for encryption of sensitive unclassified Safeguards Information. Because this version is no longer supported by the PGP Corporation, Pilgrim Station requests NRC approval to replace PGP Software Corporate Desktop Version 8.0 with PGP Desktop Email Version 10.0.0. This replacement version of encryption product was developed with PGP Software Developer's Kit (SDK) 4.0.0 and complies with Federal Information Processing Standard (FIPS) 140-2 as validated by the National Institute of Standards and Technology (NIST) Certificate Number 1325.

Pilgrim Station has and continues to maintain an information protection system that meets the requirements of 10 CFR 73.21. Written procedures are in place which describe: access controls; where and when encrypted communications can be made; how encryption keys, codes and passwords are protected from compromise; actions to be taken if encryption keys, codes, or passwords are, or are suspected to have been, compromised; and how the identity and access authorization of the recipient is verified.

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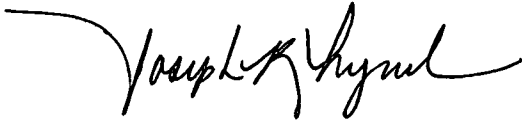
Processing Safeguards Information on electronic systems is performed in accordance with the provisions of 10 CFR 73.22(g). Pilgrim Station maintains a single (one) public key named with the following syntax: LastNameFirstNameSiteName.asc. This represents the organizational point of contact indicated as owning the key-pair. Pilgrim Station controls each private key as Safeguards Information. Pilgrim Station exchanges encrypted Safeguards Information only with the Nuclear Regulatory Commission, Nuclear Energy Institute (NEI), and other Safeguards Information holders that have received NRC approval to use PGP software. David J. Burke, Security Manager, is responsible for the overall implementation of the Safeguards Information encryption program for Pilgrim Station and is also responsible for collecting, safeguarding, and disseminating the software tools needed for encryption and decryption of Safeguards Information.

Entergy requests approval to replace the current version of PGP encryption product at Pilgrim Station to use the PGP Desktop Email Version 10.0.0 encryption product within 30 days.

This letter contains no new commitments.

Should you have any questions or require additional information please contact David J. Burke, Security Manager at 508-830-8320.

Sincerely,



Joseph R. Lynch
NSA Director, Acting

cc:

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NRC Senior Resident Inspector