

May 13, 2004
ULNRC05001

U. S. Nuclear Regulatory Commission
Attn: Document Control Desk
Mail Stop P1-137
Washington, DC 20555-0001

References: 1. 10 CFR 73.21
2. NRC Regulatory Issue Summary 2002-15

Subject: Use of Encryption Software for Electronic Transmission of
Safeguards Information



**DOCKET NUMBER 50-483
CALLAWAY PLANT UNIT I
UNION ELECTRIC CO.
FACILITY OPERATING LICENSE NPF-30**

Pursuant to the requirements of 10 CFR 73.21(g)(3), AmerenUE requests approval to process and transmit Safeguards information (SGI) using PGP Software (Enterprise, Corporate, or Personal) Desktop Version 8.0 or the latest validated version, developed with PGP SDK 3.0.3. National Institute of Standards and Technology Certificate 394 validates compliance of this SDK with FIPS 140-2 requirements.

An information protection system for SGI that meets the requirements of 10 CFR 73.21(b) through (i) has been established and is being maintained. Prior to the first use of encryption software for SGI material, written procedures shall be in place to describe, as a minimum: access controls; where and when encrypted communications can be made; how encryption keys, codes and passwords will be protected from compromise; actions to be taken if the encryption keys, codes or passwords are, or are suspected to have been, compromised (for example, notification of all authorized users); and how the identity and access authorization of the recipient will be verified.

AmerenUE intends to exchange SGI with the NRC, Nuclear Energy Institute (NEI), and other SGI holders who have received NRC approval to use PGP software. Michael O. McCrady, Network Project Integrator, is responsible for the overall implementation of the SGI encryption program at AmerenUE. Michael O. McCrady, Network Project Integrator, is responsible for collecting, safeguarding, and disseminating the software tools needed for encryption and decryption of SGI.

5008
Add: Bhalechandra
Vaidya

Pursuant to 10 CFR 73.21(g)(3), the transmission of encrypted material to other authorized SGI holders, who have received NRC approval to use PGP software, would be considered a protected telecommunications system. The transmission and dissemination of unencrypted SGI is subject to the provisions of 10 CFR 73.21(g)(1) and (2).

Should you have any questions or require additional information, please contact Mark Dunbar at 573/676-4205.

Sincerely,



Keith D. Young
Manager,
Regulatory Affairs

KDY/rg
Enclosure

cc: Scott Morris, NRC/NSIR/DNS/RSS
Lynn Silvius, NRC/NSIR/DNS/ISS
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James Davis, NEI

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