

SAFEGUARDS INFORMATION



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Tennessee Valley Authority, Post Office Box 2000, Soddy-Daisy, Tennessee 37379-2000

January 16, 1996

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

Gentlemen:

In the Matter of) Docket Nos. 50-327
Tennessee Valley Authority) 50-328

SEQUOYAH NUCLEAR PLANT (SQN) - BASELINE PHYSICAL SECURITY/CONTINGENCY
PLAN (PSP/CP), REVISION 0, DATED NOVEMBER 20, 1995

Enclosed is the subject item along with instructions for updating NRC
Copies 6 through 11. The baseline revision to the SQN PSP/CP is being
submitted pursuant to 10 CFR 50.54(p). This revision was necessary to
address the new security equipment and access control methodologies
implemented at SQN as a result of the security upgrade program. The
effective date of this revision coincides with the declaration of the site
perimeter for the SQN security upgrade program.

Enclosure 1 provides an executive summary of the changes to the PSP/CP.
Enclosure 2 is Revision 0 of the PSP/CP.

The material enclosed herewith contains safeguards information as defined
by 10 CFR 73.21, and its disclosure to unauthorized individuals is
prohibited by Section 147 of the Atomic Energy Act of 1954, as amended.
Therefore, the material should not be placed in the Public Document Room.

The information is being sent by certified mail, and the signed receipt
will signify that you have received this information and acknowledge that
it contains safeguards material to be protected in accordance with
10 CFR 73.21.

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If you have any questions concerning this issue, please telephone
S. D. Gilley at (423) 843-7427.

Sincerely,



R. H. Shell
Manager
SQN Site Licensing

Enclosures: (Copies 6-9)

cc: U.S. Nuclear Regulatory Commission (Copies 10-11)
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ENCLOSURE 1

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TVA Nuclear is completing installation of a major physical security upgrade program (PSUP) at SQN. This PSUP consists of a total renovation of the security systems which when complete, will exceed the capabilities of the existing labor intensive manual system. It includes the following:

Installation of redundant high speed, high capacity state of the art security computer system.

New vital area (VA) door cardreader with Local Intelligence Units (LIUs), which contain microprocessors capable of controlling access to doors should a loss of communication with the security computer occur.

Biometrics recognition system using handgeometry to perform identification of a security badge holder prior to admittance to the PA. This redundant stand alone system provides the ability to perform access control should a loss of communication with the security computer occur.

New protected area (PA) perimeter fencing and state of the art intrusion detection system (IDS), consisting of E-Field, Infrared, Microwave, E-Flex, and Optimesh.

New closed circuit television system (CCTV) consisting of high resolution solid state cameras with automatic call up, pan tilt and zoom, and video recording capabilities.

New uninterruptable power supply (UPS).

New Access Control Portal (ACP).

New vehicle sally port.

Upgraded central and secondary alarm stations (CAS/SAS).

Upon completion of installation of this \$37 million plus upgrade, TVAN will no longer rely on a large armed security force to compensate for antiquated security systems, but can replace compensatory officers with technology installed by the PSUP that will exceed existing capabilities. Examples of some measures that will no longer be required are as follows:

Armed ACP officer and armed administrative control officers will be replaced by unarmed officers based on the security upgrade and that these officers are not required to be armed by 10 CFR 73.55, NUREG-0908, and NUREG-1045. This change does not reduce the number of armed responders committed to in this plan.

Additional armed plant foot patrols and armed administrative control officers to compensate for outdated VA door hardware will be replaced with new VA cardreaders, electromagnetic locks and LIUs.

Security badge issue officers will be replaced with handgeometry readers at PA portal.

Additional CAS/SAS operators manually logging alarms to compensate for outdated system replaced with automated paperless system.

TVAN Security is prepared to submit a Revision 0 Security Plan to support operation of the new systems installed under the PSUP. Changes under this plan meet the requirements for submittal under 10 CFR 50.54 (p), as they do not reflect reductions in levels of security commitments or take exceptions to current regulatory requirements. Revision 0 changes reformat the plan to create a more user friendly reduced volume document, eliminate redundancy and the identification of revisions affected by the PSUP.

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TVAN Security is confident that use of the new systems by TVAN's well trained and qualified guard force under commitments outlined in the Revision 0 Security Plan will meet or exceed all regulatory requirements. This Plan provides a high level of assurance that the security force can successfully defend against any contingency identified within the design basis threat.

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