



Public Service Electric and Gas Company P.O. Box 236 Hancocks Bridge, New Jersey 08038

Nuclear Department

December 9, 1983

U. S. Nuclear Regulatory Commission - Region 1  
631 Park Avenue  
King of Prussia, Pennsylvania 19406

Attention: Mr. Richard W. Starostecki, Director  
Division of Project and Resident Programs

Gentlemen:

SUPPLEMENTAL RESPONSE  
NRC COMBINED INSPECTION 50-272/83-16, 50-311/83-15, 50-311/83-18  
SALEM GENERATING STATION  
NO. 1 AND 2 UNITS  
DOCKET NOS. 50-272 AND 50-311

In a letter dated August 26, 1983, PSE&G responded to the violations identified during the subject inspections conducted on May 9-18 and May 11 through June 8, 1983. The following information is provided, at the request of your Mr. L. Norrholm, to supplement our original response to Item A.

Supplemental Information Pertaining to Item A:

Due to past problems in maintaining a paperwork system which could provide an absolutely current status of the approximately 31,000 plant components, and of the operability of all equipment and systems, the Tagging Request Inquiry System (TRIS) was developed and implemented. It is a computer-based system designed to track and control the position status of all electrical and mechanical plant components, and also provide a current status of the plant equipment and systems availability. The system was designed to be interactive with all plant operations that could affect the status of plant equipment, systems, or components. It therefore coincides with those operational activities that effect the status of operational components: tagging operations and the alignment of electrical and mechanical systems.

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Once the system operating program was developed and tested, the data base development process was initiated. The system operating procedures were used to provide much of the information required in the TRIS data base. All system operating procedures were reviewed, and the information contained on the associated system alignment check-off sheets were incorporated. Since the procedures did not reflect the required positions for all components in each of the six operational modes, the Operations Technical Staff developed component positions for each operational mode to identify its proper position in each mode of plant operation. Additionally, the plant layout was sectioned off into small identified areas, and each component's location was then determined and entered into the data base. This information is provided by TRIS on all valve alignment worksheets to assist the operator in rapidly locating plant components. After development, software and hardware testing and operator training, the TRIS was then implemented.

The use and control of TRIS is defined in the following Operations Department Directives:

1. OD- 7: Valving Operations and System Alignment Procedures
2. OD- 8: TRIS Tagging Operations
3. OD-16: Tagging Request and Inquiry System (TRIS)
4. OD-64: TRIS Users Guide

All of the above directives were developed, approved, and issued in accordance with Technical Specifications Section 6.8. OD-7, Valving Operations and System Alignment Procedures, Section C, provides direction that TRIS shall be the primary means utilized for the generation of system valve alignment worksheets, and that the hard-copy lineups contained in the Operating Procedures shall only be used if TRIS is unavailable.

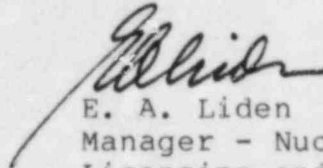
TRIS has proved to be an invaluable asset since its implementation two years ago. In order to address the concerns that lineups generated by TRIS are not approved and controlled in the same manner as procedures, the following measures have been or will be taken:

1. All TRIS electrical and mechanical lineups have been reviewed and approved in accordance with the existing requirements for Operations Department procedures.
2. If new TRIS lineups are developed to meet additional or modified operating conditions, the lineups will be reviewed and approved in accordance with the existing requirements for Operations Department procedures.
3. During the next two-year review of the Operations Department procedures, the system alignment check-off sheets that are presently in our procedures will be deleted. The procedures will be revised to reference the appropriate TRIS lineup which is to be used to align the various plant systems. Prior to deletion of the check-off sheets, a review will be made to confirm that all components listed on the check-off sheets are reflected in the appropriate TRIS lineups. Hard copies of TRIS lineups will be attached to the revised procedures and accompany them through the independent review and approval process. When final approval is obtained, the hard copy of the lineup will provide a backup in the event that TRIS is inoperable and a system lineup is required.
4. TRIS lineups which are not specifically associated with operating procedures will receive a two-year technical review on an on-going basis, just as other departmental procedures presently undergo.
5. All changes to TRIS data base components or lineups will be controlled, processed, reviewed, and approved in a manner similar to that with which on-the-spot changes are handled with existing approved procedures.
6. Operations Department Directives will be revised to reflect the above measures.

12/09/83

If you should have any additional questions, we will be pleased to discuss them with you.

Sincerely,



E. A. Liden  
Manager - Nuclear  
Licensing and Regulation

CC: Director, Office of Inspection and Enforcement  
Nuclear Regulatory Commission  
Washington, D.C. 20555

Mr. Donald C. Fischer  
Licensing Project Manager

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