

U.S. NUCLEAR REGULATORY COMMISSION
REGION I

Report Nos.: 50-272/83-10
50-311/83-09

Docket Nos.: 50-272
50-311

License Nos.: DPR-70 Category: C
DPR-75 C

Licensee: Public Service Electric and Gas Company
80 Park Place
Newark, New Jersey 07107

Facility Name: Salem Nuclear Generating Station, Units 1 and 2

Meeting at: Region I, King of Prussia, Pennsylvania

Meeting conducted: February 15, 1983

NRC Personnel: G. W. Meyer
G. W. Meyer, Reactor Inspector

2-16-83
date signed

Approved by: L. H. Bettenhausen
L. H. Bettenhausen, Acting Chief,
Engineering Programs Branch, DETP

2/16/83
date signed

Meeting Summary:

Management Meeting on February 15, 1982

Summary

Management meeting requested by Public Service Electric and Gas Company (PSE&G) to discuss the questionable calibration of a test meter, one part of Violation Item A, issued on October 19, 1982, and the apparently inaccurate PSE&G response of November 19, 1982. PSE&G representatives presented additional information concerning the questionable calibration and described actions taken to assure that written statements to the NRC are accurate. PSE&G and NRC Region I management personnel attended the meeting at the Region I office.

DETAILS

1. Attendees

Public Service Electric & Gas Company (PSE&G)

R. A. Uderitz, Vice President - Nuclear
J. T. Boettger, General Manager - Nuclear Support
H. J. Midura, General Manager - Salem Operations
E. A. Liden, Manager - Licensing and Regulation
J. E. Gallagher, Maintenance Manager - Salem

U.S. Nuclear Regulatory Commission

T. T. Martin, Director, Division of Engineering and Technical Programs (DETP)
L. H. Bettenhausen, Acting Chief, Engineering Programs Branch, DETP
L. J. Norrholm, Senior Resident Inspector
D. J. Holody, Enforcement Specialist
G. W. Meyer, Reactor Engineer, DETP

2. Background

Violation Item A was issued on October 19, 1982 for inadequate control of measuring and test equipment in the Salem maintenance department. One part of the violation was for multi-amp meter M-137, which had a current vendor calibration sticker affixed, but the calibration test report of March 23, 1982 stated that it was returned in an "outside tolerance" condition. The PSE&G response to the violation, dated November 19, 1982, stated that "corrective actions have been taken... Meter M-137 has been properly recalibrated." On January 7, 1983, an NRC inspector found that meter M-137 still had the March 23, 1982 calibration sticker and that there was no documentation of any corrective actions.

3. Discussion

NRC Region I representatives expressed concern that an apparently inaccurate statement was made in correspondence with the NRC. In response, the PSE&G representatives stated that based on further review and on discussions with the appropriate PSE&G personnel and the calibration vendor, PSE&G believes the following to be true:

- a. Multi-amp meter M-137 was properly calibrated in February, 1981.
- b. Multi-amp meter M-137 was used in April, 1981 to load test the molded case circuit breakers of the fuel handling crane. This was the last time that meter M-137 was used.
- c. Meter M-137 was checked for calibration tolerance on March 19, 1982, by a calibration vendor. The vendor found that two of the eight ampere ranges were "outside tolerance" and could not be adjusted to meet tolerances. The vendor concluded that repair of the meter was

impractical, but that the meter could be used on the six remaining acceptable ampere ranges (the "outside tolerance" ampere ranges were two of the higher ranges). The vendor affixed a current calibration sticker and signed the calibration certificate. Contrary to normal vendor practice, no notification or memo was attached to the certificate to state that two of the eight ampere ranges were not in tolerance and should not be used.

- d. The responsible supervisor in the Salem maintenance department concluded that meter M-137 was acceptable based on the current vendor calibration sticker and the signed calibration certificate. He did not review the calibration Report of Test. M-137 was returned to its normal storage location.
- e. Subsequent to the inspector's identification of the questionable calibration in August, 1982, the responsible supervisor telephoned the calibration vendor concerning meter M-137's calibration. He was assured that the March, 1982 calibration was valid. He did not understand that the calibration was valid for only six of the eight ampere ranges. He did not document the telephone discussions in any way nor request that the vendor provide updated calibration documentation.
- f. In preparing the violation response, the responsible supervisor verbally informed his superior, a senior supervisor, that the calibration of meter M-137 in March, 1982 had been "a proper recalibration." They discussed his telephone conversation with the calibration vendor, and the senior supervisor understood that no calibration had been performed subsequent to the violation.
- g. The senior supervisor wrote the words that "Meter M-137 has been properly recalibrated" which were used in the PSE&G response dated November 19, 1982. He did not intend to imply that any calibration subsequent to the violation had been done.
- h. Licensee management reviewed the response and concluded that the questionable calibration had been resolved, unaware that a subsequent calibration had not been performed.

4. Corrective Action

In response to the NRC concerns, the PSE&G representatives stated that the following corrective actions have been taken subsequent to January 7, 1983, when the misleading statement was identified:

- a. The Vice President - Nuclear has instructed his staff, and they have instructed their personnel, in the importance of accuracy when preparing written statements to the NRC. Further, personnel have been instructed that corrective actions for NRC violations must be documented.

- b. The maintenance department has established a policy that no measuring and test equipment will be accepted for use unless all instrument ranges are within calibration tolerances. The calibration vendor in this case has been informed, and all calibration vendors will be so informed. This policy will be reflected in administrative procedures.
- c. Meter M-137 has been returned to the calibration vendor for repair and calibration of all ranges.
- d. The personnel who are assuming responsibility for measuring and test equipment control (as committed for completion by July 1, 1983 in the November 19, 1982 response) have been instructed to ensure that calibration data supports all calibrations and that the data of each calibration be reviewed.