Public Service Electric and Gas Company

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Vice President - Nuclear Operations

JUN 2 5 1990

NLR-N90123

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

Gentlemen:

SUPPLEMENTAL INFORMATION; GENERIC LETTER 88-14 SALEM GENERATING STATION UNIT NOS. 1 AND 2 DOCKET NOS. 50-272 AND 50-311

Public Service Electric and Gas (PSE&G) hereby forwards supplemental information to our Generic Letter response. All committed actions are complete as of June 13, 1990.

Should you have any questions regarding this transmittal, do not hesitate to call.

Sincerely,

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Attachment

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C Mr. J. C. Stone Licensing Project Manager - Salem

> Mr. T. Johnson Senior Resident Inspector

Mr. T. Martin, Administrator Region I

Mr. Kent Tosch, Chief New Jersey Department of Environmental Protection Division of Environmental Quality Bureau of Nuclear Engineering CN 415 Trenton, NJ 08625

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ATTACHMENT (NLR-N90123)

SUPPLEMENTAL INFORMATION, GENERIC LETTER 88-14 SALEM GENERATING STATION UNIT NOS. 1 AND 2 DOCKET NOS. 50-272 AND 50-311

Generic Letter (GL) 88-14 requested licensee verification of Instrument Air System design and operation. Four areas required review and a plant specific response. PSE&G sent its response in a letter dated March 31, 1989. This letter included outstanding tests and a schedule for completion. The following information updates our initial response to items 3 and 4.

ITEM 3

PSE&G committed to performing a System Load Study, testing Emergency Control Air Compressors (ECAC) and testing Power Operated Relief Valve (PORV) accumulators. The System Load Study is complete. This study identified all essential air operated components, including demand requirements and expected leakage rates. An analytical model of the Salem Control Air System formed the basis of the load study, with results verified by actual system testing. Conclusions confirmed the manufacturer's rated capacity of a single ECAC, meeting the safety-related Control Air requirements for <u>both</u> Salem Units.

ECAC capacity testing is complete. We tested Unit 1 ECAC during the 8th refueling outage and Unit 2 ECAC during the 5th refueling outage. Test results compared favorably to load study system demands.

PORV accumulator testing is complete. We tested Unit 1 accumulators during the 8th refueling outage and Unit 2 accumulators in October, 1988. Test results confirmed sufficient volume to meet design requirements.

Item 4

Expanded air quality testing began during the Unit 2 5th refueling outage. Samples taken at the outlet of the Normal and Emergency Control Air dryers were analyzed for: particle size, oil content, hydrocarbon content, and dew point (at line pressure). Results established air quality at or above ANSI/ISA Standard S7.3 requirements. PSE&G plans to convert the initial test procedure into a periodic test procedure. System Engineering will evaluate and trend the monthly air sample results, using the acceptance criteria in ANSI/ISA Standard S7.3.

Summary

Supplemental actions from our GL 88-14 response are complete. These activities, and the information supplied in our initial response, constitute the design verification of the Salem Control Air Systems. PSE&G considers GL 88-14 complete.