

Frederick W. Schneider
Vice President
Production

Public Service Electric and Gas Company 80 Park Place Newark, N.J. 07101 201/622-7000

May 31, 1977

50-272/311

Mr. James P. O'Reilly, Director
U. S. Nuclear Regulatory Commission
Office of Inspection and Enforcement
Region 1
631 Park Avenue
King of Prussia, Pennsylvania 19406

Dear Mr. O'Reilly:

NRC IE BULLETIN NO. 77-01
PNEUMATIC TIME DELAY RELAY
SETPOINT DRIFT
NO. 1 AND 2 UNITS
SALEM NUCLEAR GENERATING STATION

In accordance with IE Bulletin No. 77-01 dated April 29, 1977 and received May 5, 1977, we offer the following:

1. A review of plant design has been conducted by our Engineering Department and Electric Production Department and it has been determined that the Salem units do not include ITE Imperial time delay relays in any safety-related or non-safety-related circuits.
2. The time delay relays used in the Salem units are provided by the Agastat Division of the Amerace - ESNA Corporation. These relays are all specified as having a repeat accuracy better than $\pm 10\%$ of the preset time adjustment. The majority of these relays have an accuracy better than $\pm 5\%$ of the preset time adjustment.
3. It is our conclusion that the Agastat time delay relays used at Salem are not subject to the drift problem severity described in NRC Bulletin No. 77-01. This conclusion is based on the stated repeat accuracy of $\pm 10\%$ or better and the fact that time delay relays in safety-related circuits are included in the applicable response time testing requirements of the plant Technical Specifications. The response time tests would disclose relays which drift beyond acceptable limits.

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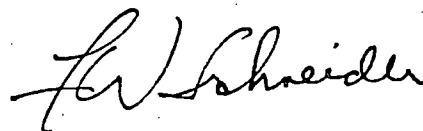
Mr. James P. O'Reilly

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Should additional information be desired, we will be pleased to further discuss it with you.

Very truly yours,

A handwritten signature in cursive script, appearing to read "L. W. Schneider". The signature is written in dark ink and is positioned to the right of the typed name "L. W. Schneider".

CC: Dr. Ernest Volgenau
Bethesda, Maryland 20014