



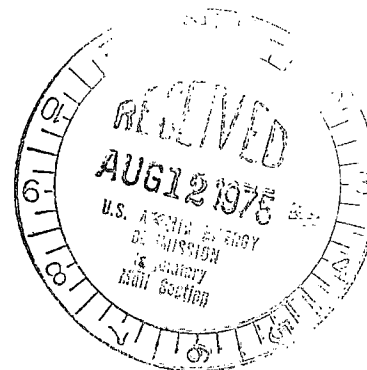
**PSE&G**

**Regulatory Docket File**

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

July 30, 1975

Mr. B. J. Youngblood  
Chief, Environmental Projects Branch 3  
Division of Reactor Licensing  
U. S. Nuclear Regulatory Commission  
Washington, D.C. 20555



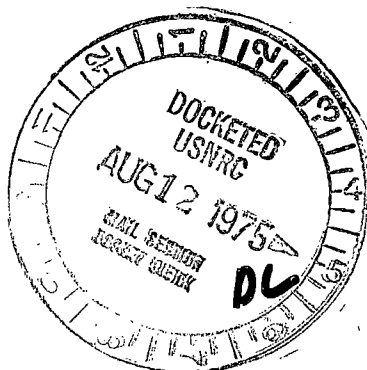
Dear Mr. Youngblood:

DELETION OF BATHYMETRIC SURVEYS  
ENVIRONMENTAL TECHNICAL SPECIFICATIONS  
NO. 1 AND 2 UNITS  
SALEM NUCLEAR GENERATING STATION  
DOCKET NOS. 50-272 AND 50-311

PSE&G has investigated the extent of shoaling to be expected in the vicinity of the Salem Circulating Water System submerged discharge along with any environmental benefit to be obtained by performing bathymetric surveys in this area. The results of this investigation are provided for your review.

During the installation of the submerged circulating water discharge piping, up to 18 inches of shoaling has been experienced overnight. As the piping installation progressed further into the river, a decrease in the amount of shoaling was experienced. During the time when the last 100 feet of pipe was being set in place, divers were unable to stay down during periods when normal peak tidal currents were experienced. Piping installation work was discontinued during these periods of peak tidal velocities. The river bottom in the area where the discharge interfaces with the river is swept clean and no shoaling has been experienced.

The U. S. Army Corps of Engineers has indicated that shoaling can be expected within 100 to 125 yards of the Artificial Island shoreline. Further into the river, high velocity currents are experienced in the reach off Artificial Island and the deposition experienced is essentially zero. Serious deposition is experienced from about 1 mile below Artificial Island down to Ship John Shoal. Above the tip of Artificial Island, shoaling is again severe off Reedy Island and continues on upstream to Pea Patch Island.



The Energy People

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Mr. B. J. Youngblood

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Based on the above, PSE&G believes that bathymetric surveys in the vicinity of the Circulating Water System discharge outfall would yield no significant environmental benefit. We believe this to be sufficient justification for deleting proposed Environmental Technical Specification 3.1.1.5, Erosion.

Very truly yours,

A handwritten signature in dark ink, appearing to read 'R. L. Mittl', with a stylized flourish extending from the end.

R. L. Mittl  
General Manager - Projects  
Engineering and Construction Department