

Public Service  
Electric and Gas  
Company

**Steven E. Miltenberger**

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Vice President and Chief Nuclear Officer

OCT 10 1989

NLR-N89201

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

Gentlemen:

**COOLING TOWER SALT DRIFT MONITORING PROGRAM  
FINAL OPERATIONAL SUMMARY REPORT  
HOPE CREEK GENERATING STATION  
DOCKET NO. 50-354**

Pursuant to the requirements of Section 4.2.2 of Appendix B to Facility Operating License No. NPF-57, the Environmental Protection Plan, Public Service Electric and Gas hereby submits the attached report, entitled "Operational Summary Report for Hope Creek Generating Station Salt Drift Monitoring Program, January 1987 to March 1989."

This report summarizes the results of the operational phase monitoring program conducted to determine the potential for adverse effects of cooling tower salt drift on vegetation and soils in the vicinity of Hope Creek Generating Station. The report contains separate sections on the salt deposition, native vegetation, soil, and comparative studies.

The results of the monitoring activities show that only minor, localized effects of cooling tower drift deposition are occurring. Higher deposition rates potentially attributable to the cooling tower were measured at only one location, which is on station property at a distance of 0.4 km downwind of the cooling tower, and even these highest deposition levels are well below the deposition levels that have been reported to cause vegetative damage. Hope Creek Generating Station is surrounded by extensive areas of tidal salt marsh and the nearest uplands are located approximately three miles to the east, therefore, no significant adverse impacts can occur as a result of cooling tower operation.

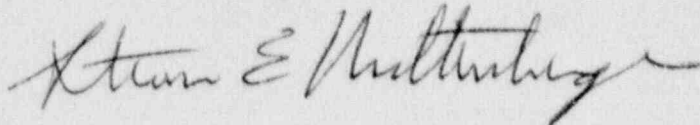
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As stated in Section 4.2.2 of the Environmental Protection Plan, the salt drift monitoring program is to continue up to three years from receipt of license and annual monitoring reports are to be submitted to the NRC for review. PSE&G has previously submitted all annual monitoring reports and submittal of the attached "Operational Summary Report" demonstrates that the program continued for three years from receipt of license. Therefore, PSE&G has satisfied the commitments under Section 4.2.2 of the Environmental Protection Plan and this issue is considered closed.

Sincerely,

A handwritten signature in cursive script, appearing to read "Steven E. Muthenberger", with a long horizontal flourish extending to the right.

Attachment

OCT 16 1989

C Mr. C. Y. Shiraki  
Licensing Project Manager

Mr. D. K. Allsopp  
Resident Inspector

Mr. W. T. Russell, Administrator  
Region I

Mr. Kent Tosch, Chief  
New Jersey Department of Environmental Protection  
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