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Dalwyn R. Davidson
VICE PRESIDENT
SYSTEM ENGINEERING AND CONSTRUCTION

April 29, 1982

Mr. A. Schwencer
Chief, Licensing Branch No. 2
Division of Licensing
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555



Perry Nuclear Power Plant
Docket Nos. 50-440; 50-441
Response to Draft SER
Auxiliary Systems Branch

Dear Mr. Schwencer:

This letter and its attachment provide revised responses to the concerns identified in the Draft SER for Auxiliary Systems.

It is our intention to incorporate these responses in a subsequent amendment to our Final Safety Analysis Report.

Very Truly Yours,

Dalwyn R. Davidson
Vice President
System Engineering and Construction

DRD: mlb

cc: Jay Silberg
John Stefano
Max Gildner
Nick Fioravante

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ASB-9 Section 9.2.1 - Station Service Water System - The applicant is required to describe the plant provision to monitor possible flow blockage in the emergency service water system resulting from sources such as Asiatic clams.

Response

Monitoring for possible flow blockage in the Emergency Service Water system resulting from sources such as Asiatic Clams, will be accomplished through a program of lake water sampling, surveillance testing and maintenance inspections.

Comprehensive semi annual (late spring and early fall) sampling of areas adjacent to the Perry intake and discharge structures and CEI's Eastlake plant intake and discharge will be conducted to detect Asiatic Clams. Additionally, the existence of clams found during routine maintenance of CEI's Avon Lake, Lakeshore, and Eastlake plants will be reported to the Perry operating staff. Additional visual inspections will be conducted at the Perry plant at potential collection points (i.e. pumphouse travelling screens, trash racks, pump strainers, and cooling tower basin). Normal maintenance inspections for out of service equipment will include inspections for any deposits that might cause flow blockage.

Surveillance testing of the ESW system will be done on a monthly basis. Once a month, the same pump will be started. Pressure and flow indication will be recorded during the operation of this cooling loop. This data will be compared to previous recorded operating data to determine if there has been any deterioration in system performance. In addition, the pump discharge strainer pressure drop will be monitored for possible flow blockage and visually inspected as needed. Data recorded will include flows and pressure drops through the RHR Heat Exchanger, ECCS Heat Exchanger and D/G Jacket Water Heat Exchanger.

In the event that Asiatic Clams are found at CEI's fossil units identified above, the NRC will be notified. If Asiatic Clams are found at either the Eastlake plant or the Perry plant a program to control the clams within the Perry plants ESW and other essential systems will be developed and submitted for NRC review. The development of this program will be based on the immediacy of the problem.