



**Commonwealth Edison**  
One First National Plaza, Chicago, Illinois  
Address Reply to: Post Office Box 767  
Chicago, Illinois 60690

February 22, 1984

Mr. Harold R. Denton, Director  
Office of Nuclear Reactor Regulation  
U.S. Nuclear Regulatory Commission  
Washington, DC 20555

Subject: LaSalle County Station Units 1 and 2  
Fire Protection  
NRC Docket Nos. 50-373 and 50-374

- References (a): LaSalle County Station Unit 2 Facility  
Operating License NPF-18 (December 16,  
1983).
- (b): C. W. Schroeder letter to H. R. Denton  
dated November 23, 1983.
- (c): Inspection Report Nos. 50-373/83-44 and  
50-374/83-48.

Dear Mr. Denton:

The attached report on the water fire suppression system at  
LaSalle was prepared in response to the following three items:

- 1) Reference (a) identified conditions 2.C.(15)(e) and  
2.C.(15)(g):

2.C.(15)(e) states:

"Prior to exceeding five percent power, the licensee  
shall provide a detailed computer analysis of the fire  
protection water system to demonstrate system  
adequacy."

2.C.(15)(g) states:

"Prior to exceeding five percent power, the licensee  
shall provide the results of an analysis of the  
service water system's capability to perform as a  
backup water supply for the fire protection. This  
analysis will include a description of the  
surveillance procedures for the service water pump  
system when used as a fire protection water supply,  
and an evaluation of limitations on the service water  
system due to the use of these pumps as a fire water  
supply."

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- 2) Reference (b) contained issue 1(8) and issue 2:

Issue 1(8) states:

"By approximately 20 days before exceeding 5% power, Commonwealth Edison will provide the NRC with our review of the computer analysis and will provide a proposed testing program for the fire pump and the main loop to assure adequate capacity. This testing program will be the basis for the surveillance program (see item 12 below) on the LaSalle fire pump and main loop."

Issue 2 states:

"As stated in response to the previous issue, Commonwealth Edison has performed a "Preliminary Evaluation of the Service Water System as a backup to the Fire Protection System." That evaluation was provided to NRR and Region III by letter dated October 31, 1983. Commonwealth Edison Company has further commissioned Marsh and McClennan Protection Consultants to perform a computer analysis of the fire protection water system, including an analysis of the Service Water system to perform its function as a backup to the fire protection system. This computer analysis is scheduled to be completed by November 30, 1983, and we will submit our review of it be approximately 20 days before exceeding 5% power on Unit 2."

- 3) Reference (c) identified unresolved items 50-373/83-44-14 and 15, 50-374/83-48-20 and 21 and open item 50-374/83-48-23. These inspection items concern the water fire suppression system and loop flow test at LaSalle.

It is requested the above three matters be closed based on the attached report.

The water fire suppression system at LaSalle has been evaluated from the pumps through the sprinkler systems and hose stations. The multilooped piping network and fire and service water pumps provide a strong water supply to the various fire suppression systems in the station. Loop flow test acceptance criteria have been developed to assist in the long term monitoring of the water supply.

Six sprinkler systems will receive minor modifications prior to startup following the first refueling outages. This was briefly discussed in Washington on January 10, 1984 as part of our request to use service water as a back-up water supply to the fire protection system.

The procedures provided in the Attachments are for information only and future changes to them will be controlled in accordance with LaSalle Unit 2 Technical Specification Administrative Section.

February 22, 1984

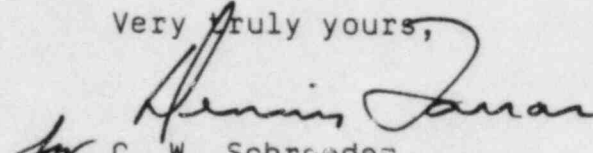
We are prepared to bring the consultants who participated in the preparation of this report to Bethesda for discussion of this report, if you so desire.

To the best of my knowledge and belief the statements contained herein and in the attachment are true and correct. In some respects these statements are not based on my personal knowledge but upon information furnished by other Commonwealth Edison and contractor employees. Such information has been reviewed in accordance with Company practice and I believe it to be reliable.

Enclosed for your use are 10 copies of this letter and the report.

If there are any other questions in this matter, please contact this office.

Very truly yours,

  
for C. W. Schroeder  
Nuclear Licensing Administrator

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Attachments (10 copies)

cc: A. Bournia (2) - Federal Express  
J. G. Keppler (1)  
NRC Resident -LSCS (1)

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