



## Omaha Public Power District

1623 HARNEY ■ OMAHA, NEBRASKA 68102 ■ TELEPHONE 536-4000 AREA CODE 402

September 30, 1982  
LIC-82-341

Mr. Robert A. Clark, Chief  
U. S. Nuclear Regulatory Commission  
Office of Nuclear Reactor Regulation  
Division of Licensing  
Operating Reactors Branch No. 3  
Washington, D.C. 20555

Reference: Docket No. 50-285

Dear Mr. Clark:

Fort Calhoun Station Post Accident  
Sampling System (PASS)  
NUREG-0737, Item II.B.3

Attachment 1 to Omaha Public Power District's letter dated June 30, 1982 identified the remaining work and expected schedule for completing the subject TMI Action Plan modification. At that time, the District expected the Fort Calhoun Station PASS to be declared fully operational by September 30, 1982. However, additional unanticipated equipment and hardware problems have resulted in delays that have prevented us from meeting this schedule. A status update, explanation of the work that remains to be completed, and a revised completion schedule are attached.

Sincerely,

W. C. Jones  
Division Manager  
Production Operations

WCJ/TLP:jmm

Attachment

cc: LeBoeuf, Lamb, Leiby & MacRae  
1333 New Hampshire Avenue, N.W.  
Washington, D.C. 20036

A046

POST ACCIDENT SAMPLING SYSTEM (PASS), NUREG-0737, ITEM II.B.3 (MR-FC-79-191)

NRC Required Completion Date: January 1, 1982

Promised Completion Date: September 30, 1982

Present Status and Reasons for Delay:

The installation and testing for this modification was expected to be complete September 30, 1982. During the testing phase, several unanticipated equipment and design problems were encountered, and these have delayed the completion of this system. The District would like to emphasize that the Post Accident Sampling System for the Fort Calhoun Station is a unique system which will be used for sampling during both post accident and normal conditions. This has required the purchase and installation of several state-of-the-art instruments and has required a lengthy pre-operational testing procedure to simulate both normal and post accident conditions. With the exception of those items detailed below, the necessary actions have been completed to correct the problems encountered during system testing conducted in July and August.

- 1) During pre-operational testing, the District determined that the waterbath drain line for SL-24 (Gross Dissolved Gas Analyzer) was too small. The District has decided to replace it with a larger line. The required parts were received September 29, 1982 and installation is presently underway.
- 2) A replacement for pressure transmitter PT-6703 is required since the wrong transmitter was delivered initially. A new component was ordered and it arrived on September 27, 1982 and will be installed in the near future.
- 3) There are still problems with the Ion Chromatograph that will be used to determine boron and chloride levels. The District is still investigating the problems found, which involve an inability of the instrument to discriminate between boron and chloride. In the interim, boron and chloride levels can be determined using a diluted grab sample from the Post Accident Sampling System.
- 4) During pre-operational testing, the District determined that there is still a discrepancy involving the application of pressure control valve PCV-2560 on the supply line to the pH meter. After discussing the discrepancy with the valve manufacturer, it was determined that although the valve had a safe working pressure of 3000 psig, "dead heading" of the valve on the downstream side risked failure of the valve diaphragm, thus providing a vent path to the room atmosphere. Resolution of this problem is still under review by the District's consultant. The anticipated corrective action will require either replacement of the pit cell or installation of a relief valve and overpressure alarm.

Assuming that no further problems are encountered, the above changes should be done in approximately four weeks. Allowing two weeks for testing and an additional two weeks for contingencies, the system should be fully operational by November 30, 1982.

Expected Completion Date:

November 30, 1982

Interim Measures:

In accordance with the requirements of NUREG-0578, Item 2.1.8.a, Interim Post Accident Sampling procedures were developed and have been accepted by the Commission as detailed in the Commission's letter to the District dated April 7, 1980.