

TERA



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

April 6, 1981

Docket No. 50-285

Mr. W. C. Jones
Division Manager, Production
Operations
Omaha Public Power District
1623 Harney Street
Omaha, Nebraska 68102

Dear Mr. Jones:

In conducting our review of your responses to our letter of November 29, 1978 relating to containment purge and vent at the Fort Calhoun Station, Unit No. 1, we have determined that we will need the additional information identified in the enclosure to continue our review.

In order for us to maintain our review schedule, your response is requested within 60 days of your receipt of this letter.

Please contact us if you have any questions concerning this request.

Sincerely,

Robert A. Clark, Chief
Operating Reactors Branch #3
Division of Licensing

Enclosure:
Request for Additional
Information

cc w/enclosure:
See next page



1160434

P

Omaha Public Power District

cc:

Marilyn A. Tebor
LeBeuf, Lamb, Leiby & MacRae
1033 New Hampshire Avenue, N.W.
Washington, D. C. 20036

Director, Criteria and Standards Division
Office of Radiation Programs (ANR-460)
U.S. Environmental Protection Agency
Washington, D. C. 20460

Mr. Emmett Rogert
Chairman, Washington County
Board of Supervisors
Blair, Nebraska 68023

U.S. Environmental Protection Agency
Region VII
ATTN: EIS COORDINATOR
324 East 11th Street
Kansas City, Missouri 64106

Omaha Public Power District
ATTN: Mr. Spencer Stevens
Plant Manager
Fort Calhoun Plant
1525 Harney Street
Omaha, Nebraska 68102

Director, Nebraska Department of
Environmental Control
P. O. Box 94877, State House Station
Lincoln, Nebraska 68509

Mr. Frank Gibson
W. Dale Clark Library
215 South 15th Street
Omaha, Nebraska 68102

Alan H. Kirshen, Esq.
Fellman, Ramsey & Kirshen
1166 Woodmen Tower
Omaha, Nebraska 68102

Mr. Dennis Kelley
U.S.N.R.C. Resident Inspector
P. O. Box 68
Fort Calhoun, Nebraska 68023

Mr. Charles B. Brinkman
Manager - Washington Nuclear
Operations
C-E Power Systems
Combustion Engineering, Inc.
4855 Cordell Avenue, Suite A-1
Bethesda, Maryland 20014

REQUEST FOR ADDITIONAL INFORMATION

FORT CALHOUN STATION

DOCKET #50-285

Your response to the November 29, 1978 letter regarding the containment purge/vent system is incomplete. By response dated December 28, 1978, you plan to justify unlimited use of the 42" diameter Containment Purge System. In order that we may complete our review please provide the following information:

- 1) In our review of containment purging practice we are engaged in the evaluation of justifications in operating purge/vent systems. Your response dated December 28, 1978; February 8, 1979; and September 28, 1979 is inadequate. Please submit a detailed analysis which justifies the estimated annual usage of the purge system and associated equipment.
- 2) Your response dated September 28, 1979 to item B.1.g of BTP CSB 6-4 is not sufficient. Submit an evaluation which demonstrates that the debris screens and associated piping between the screens and isolation valves are designed, fabricated, and installed as seismic Category I equipment with Group B quality standards (as defined in Regulatory Guide 1.26). Demonstrate by analysis that the screens will remain in place and intact under transient LOCA conditions. Debris screens must be provided for exhaust and intake ductwork in order to protect the purge isolation valves.
- 3) As a result of our study of valve leakage due to seal deterioration, leakage integrity tests of the isolation valves in the containment line are required to be conducted following each cycling of the isolation valves in the system, but not more often than once each month nor less often than once each six months. Your response dated December 28, 1978; February 8, 1979 and September 28, 1979 is inadequate. Discuss the provisions to be made for testing the availability of the isolation function and leakage rate of the purge isolation valves, individually, during reactor operation.
- 4) Propose a Technical Specification which would limit the leak rate of purge valves HCV-742 A, B, C, & D to the rates stated in your September 28, 1979 response to item B.5.d of CSB 6-4.
- 5) Your response to Item B.5.c (CSB 6-4) dated September 28, 1979 indicates that you plan to supply the following: Provide an analysis of the reduction in the containment pressure resulting from the partial loss of containment atmosphere following a LOCA and discuss the effect on ECCS performance. Please submit this analysis with the provision that valve closure time should include instrumentation delays.

ENCLOSURE

- 6) Specify the amount of containment atmosphere that would be released through the Containment Purge System isolation valves during the time required for them to close following a LOCA. Include instrumentation delays (from inception of LOCA) and actual valve closure time.

- 7) Propose an addition to your Technical Specifications which limits purge isolation valve closure time to no more than 5 seconds, including instrumentation delays. This addition should reflect the action to be taken if the valves fail to close in the specified time during normal operability tests.