



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

NOV 2 1979

NRC PDR
Jera

MEMORANDUM FOR: T. Ippolito, Chief
Operating Reactors Branch #3
Division of Operating Reactors

FROM: G. Lainas, Chief
Plant Systems Branch
Division of Operating Reactors

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION - CONTAINMENT
PURGE SYSTEM - COOPER NUCLEAR STATION (TAC 10182)

REFERENCE: 1. Internal Memorandum for T. Ippolito from
G. Lainas, dated August 31, 1979

On September 12, 1979, members of the Plant Systems Branch (PSB) met with representatives of Nebraska Public Power District in Bethesda, Maryland, to discuss the issue of containment purging during normal operation. The licensee, at that time, requested further clarification on some of the PSB, Section B, questions (Enclosure 1 to Reference 1). To provide this clarification, PSB, Section B, has modified our request for additional information (enclosed).

The PSB Section A (EI&C) is currently reviewing the licensee's information provided at their September 12, 1979 meeting.

G. Lainas
G. Lainas, Chief
Plant Systems Branch
Division of Operating Reactors

Enclosure:
As stated

Contacts:
J. Kerrigan, X28129
D. Shum, X27058

CC:
See next page

~~4366~~ 122

1360 096

P 7011190 266

T. Ippolito

- 2 -

NOV 2 1979

cc w/enclosure:

D. Eisenhut

B. Grimes

W. Gammill

L. Nichols

G. Lainas

E. Reeves

E. Adensam

V. Rooney

D. Tondi

D. Shum

J. T. Beard

G. Knighton

V. Noonan

F. Witt

J. Zudans

R. Scholl

~~4366 123~~

1760 097

REQUEST FOR ADDITIONAL INFORMATION
FOR CONTAINMENT PURGE SYSTEM AND
CONTAINMENT VENTING SYSTEM FOR
COOPER NUCLEAR STATION
DOCKET NO. 50-298

1. With regard to the containment purge and venting system, provide the following information:
 - a. Discuss the provisions made to ensure that isolation valve closure will not be prevented by debris which could potentially become entrained in the escaping air and steam.
 - b. Discuss the provisions made for testing the availability of the isolation function and the leakage rate of the isolation valves, individually, during reactor operation.
 - c. Specify the amount of containment atmosphere released through the purge and vent isolation valves for a spectrum break sizes during the maximum closure time allowed in your Technical Specifications.
 - d. Provide an analysis to demonstrate the acceptability of the provisions made to protect structures and safety-related equipment; e.g., fans, filters, and ductwork, located beyond the purge system isolation valves against loss of function from the environment created by the escaping air and steam.
 - e. For the containment purge isolation valves, specify the differential pressure across the valve for which the maximum leak rate occurs. Provide test results (e.g., from vendor tests of leakage rate versus valve differential pressure) which support your conclusion.

1365 124

1710 098