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 L PDR SMorris EJordan NOV 15 1982  
 Docket No. 50-298 BSiegel LHarmon-2  
 TBarnhart  
 LSchneider  
 DBrinkman ASLAB  
 CMiles RDiggs

Mr. J. M. Pilant, Director  
 Licensing & Quality Assurance  
 Nebraska Public Power District  
 P. O. Box 499  
 Columbus, Nebraska 68601

Dear Mr. Pilant:

Subject: NUREG-0737 Action Item II.E.4.2 "Containment Isolation  
 Dependability" Positions 6 and 7

Re: Cooper Nuclear Station

We have reviewed your submittals dated December 18, 1979, June 30, 1981 and June 23, 1982 and other submittals that relate to the subject action items for your facility. With respect to Action Item II.E.4.2.6, you committed, by letter dated December 18, 1979, to meet the Staff Interim Position of October 23, 1979 until such time as we concur in the removal of valve travel limiters on the motor operated purge valves. By letter dated June 23, 1982 your reaffirmed that commitment. Since you presently meet the Staff Interim Position, no further action is required, and, thus, we consider Action Item II.E.4.2.6 complete for your facility.

For Action Item II.E.4.2.7, containment purge and vent isolation valves must close on a high radiation signal. Since the containment isolation valves at your facility close on a high radiation signal, we consider Action Item II.E.4.2.7 complete for your facility.

Our Safety Evaluation is enclosed.

Sincerely,

Original signed by  
 D. B. Vassallo

Domenic B. Vassallo, Chief  
 Operating Reactors Branch #2  
 Division of Licensing

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Enclosure:  
 Safety Evaluation

cc w/enclosure:  
 See next page

OFFICE	ORB#2:DL	ORB#2:DL	C-ORB#2:DL	ORB#2:DL		
SURNAME	SNorris	BSiegel cab	DVassallo	<i>E Reeves</i>		
DATE	11/17/82	11/17/82	11/17/82	11/15/82		

Mr. J. M. Pilant  
Nebraska Public Power District

cc:

Mr. G. D. Watson, General Counsel  
Nebraska Public Power District  
P. O. Box 499  
Columbus, Nebraska 68601

Mr. Arthur C. Gehr, Attorney  
Snell & Wilmer  
3100 Valley Center  
Phoenix, Arizona 85073

Cooper Nuclear Station  
ATTN: Mr. L. Lessor  
Station Superintendent  
P. O. Box 98  
Brownville, Nebraska 68321

John T. Collins  
Regional Administrator, Region IV  
U.S. Nuclear Regulatory Commission  
611 Ryan Plaza Drive, Suite 1000  
Arlington, Texas 76011

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

Mr. William Siebert, Commissioner  
Nemaha County Board of Commissioners  
Nemaha County Courthouse  
Auburn, Nebraska 68305

Mr. Dennis Dubois  
USNRC  
Resident Inspector  
P. O. Box 218  
Brownville, NE 68321

U. S. Environmental Protection Agency  
Region VII Office  
Regional Radiation Representative  
324 East 11th Street  
Kansas City, MO 64106



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION

CONTAINMENT ISOLATION DEPENDABILITY

NUREG-0737, ACTION ITEM II.E.4.2 "CONTAINMENT ISOLATION DEPENDABILITY" POSITION 7

1.0 Introduction

As a consequence of the accident at TMI-2, implementation of a number of new requirements has been recommended for operating reactors. These new requirements are described in NUREG-0737, "Clarification of TMI Action Plan Requirements", November 1980. We have requested all operating reactor licensees to implement, or otherwise achieve compliance with each of these NUREG-0737 Action Plan Items. This evaluation addresses the compliance of the Cooper Nuclear Station with Action Plan Item II.E.4.2, Position 7.

2.0 Review Criteria

Action Item II.E.4.2, Position 7 requires that containment purge and vent isolation valves must close on a high radiation signal. The radiation monitors that provide the high radiation signals to isolate the valves must sense primary containment atmosphere. However, the location of the monitors does not have to be inside primary containment, but can be downstream of the purge exhaust valves or in a separate system that directs primary containment atmosphere to radiation monitors located outside containment and then exhausts the containment air back into containment.

The evaluation does not include a review of radiation monitor quality, setpoint, redundancy, or isolation/separation from safety systems.

3.0 Evaluation and Conclusions

Based on the review of our consultants evaluation, (EG&G Energy Measurements Group) dated March 1982, we conclude the Cooper Nuclear Station containment ventilation system provides a signal to close containment isolation valves when high radiation is detected. The radiation detectors that provide the isolation signal are located in a plenum downstream of the purge exhaust valves. Therefore, the containment purge and vent isolation valves close on a high radiation signal and the radiation detectors sense primary containment atmosphere. Thus, we conclude that the Cooper Nuclear Station is in compliance with Action Item II.E.4.2, Position 7.

NOV 15 1982

Dated:

Principal Contributors: M. Fields, B. L. Siegel.