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 RECIP.NAME RECIPIENT AFFILIATION  
 MURLEY,T.E. Document Control Branch (Document Control Desk)

SUBJECT: Corrects commitment date contained in 900131 ltr & provides details of program to assess operability of MSIV.

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AEP:NRG:1121A

Donald C. Cook Nuclear Plant Units 1 and 2  
Docket Nos. 50-315 and 50-316  
License Nos. DPR-58 and DPR-74  
MAIN STEAM ISOLATION VALVES CORRECTIVE ACTION

U.S. Nuclear Regulatory Commission  
Attn: Document Control Desk  
Washington, D.C. 20555

Attn: T. E. Murley

February 2, 1990

Dear Dr. Murley:

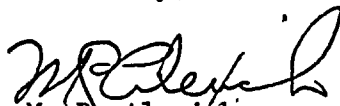
This letter corrects a commitment date contained in our letter AEP:NRG:1121 dated January 31, 1990, and also provides the details of our program to assess the operability of the main steam isolation valves (Attachment 1).

Commitment 1 of the previous submittal was to develop a program to monitor dump valve leakage by February 8, 1990. This date should have been February 2, 1990. The attached program satisfies this commitment.

During a conversation with a member of the Region III staff, we were requested to provide a copy of the acoustic data collected on the valves. These data are included as Attachment 2.

This document has been prepared following Corporate procedures that incorporate a reasonable set of controls to ensure its accuracy and completeness prior to signature by the undersigned.

Sincerely,

  
M. P. Alexich  
Vice President

ldp

Attachments

*Aool*  
*11*

Dr. T. E. Murley

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AEP:NRC:1121A

cc: D. H. Williams, Jr.  
A. A. Blind - Bridgman  
R. C. Callen  
G. Charnoff  
A. B. Davis - Region III  
NRC Resident Inspector - Bridgman  
NFEM Section Chief

ATTACHMENT 1 TO AEP:NRC:1121A

VALVE MONITORING PROGRAM

### VALVE MONITORING PROGRAM

Monitoring of dump valve leakage will be accomplished by taking acoustical measurements on or just downstream of the dump valves. Steam leaking past a valve produces noise, and acoustical data have been taken on all dump valves to obtain baseline data. Future acoustical measurements on Unit 1 valves will be taken at prescribed locations twice a week (the frequency for Unit 2 has not been decided). Our preliminary assessment is that the threshold criteria will be set such that doubling of the db level or an absolute reading greater than 90db (the value observed on a benchmarked valve) will indicate increasing dump valve leakage and require that a pressure decay test be conducted on the affected dump line.

The pressure decay test will consist of isolating the pressurized portion of the dump line and measuring the rate of pressure change. These data will then be compared against data from a benchmarked valve.

The benchmarked valve 2-MRV-230 marginally passed its Technical Specification surveillance requirement of five seconds before the Unit 2 MSIVs were modified. The dump valves associated with 2-MRV-230 are in the identical condition that existed during the pre-modification test as no maintenance was performed on them in the interim. Pressure decay data have been obtained and normalized to allow comparison with the pressure decay rate from other valves providing a measure of dump valve leakage approaching potentially unacceptable levels.

If the pressure decay rate of the valve under test approaches the decay rate of the benchmark valve, corrective action will be taken. This action will entail repairing the dump valve before the acceptance criteria is exceeded. While the repair is being made, the provisions of the applicable Technical Specifications will be followed.

ATTACHMENT 2 TO AEP:NRG:1121A

DATA USED TO DEVELOP THE VALVE MONITORING PROGRAM

SOUND LEVELS AT DUMP VALVES - UNIT 1

1-MRV-211

<u>Date</u>	<u>db</u>
1/25	0
1/26	0
1/29	0
1/30	0
1/31	0
2/1	0

1-MRV-222

<u>Date</u>	<u>db</u>
1/25	0
1/26	0
1/29	0
1/30	0
1/31	0

1-MRV-241

<u>Date</u>	<u>db</u>
1/25	0
1/26	0
1/29	0
1/30	0
1/31	0

1-MRV-212

<u>Date</u>	<u>db</u>
1/25	0
1/26	0
1/29	10
1/30	10
1/31	0

1-MRV-231

<u>Date</u>	<u>db</u>
1/25	0
1/26	0
1/29	5
1/30	5
1/31	0

1-MRV-242

<u>Date</u>	<u>db</u>
1/25	0
1/26	0
1/29	0
1/30	0
1/31	0

1-MRV-221

<u>Date</u>	<u>db</u>
1/25	0
1/26	5
1/29	2.5
1/30	10
1/31	10

1-MRV-232

<u>Date</u>	<u>db</u>
1/25	10
1/26	3
1/29	0
1/30	0
1/31	3

SOUND LEVELS AT DUMP VALVES - UNIT 2

2-MRV-211

<u>Date</u>	<u>db</u>
1/26	0
1/29	30
1/30	35
1/31	4

2-MRV-222

<u>Date</u>	<u>db</u>
1/26	5
1/29	0
1/30	0
1/31	35
2/1	0

2-MRV-241

<u>Date</u>	<u>db</u>
1/26	0
1/29	0
1/30	0
1/31	30
2/1	0

2-MRV-212

<u>Date</u>	<u>db</u>
1/26	0
1/29	0
1/30	0
1/31	0

2-MRV-231

<u>Date</u>	<u>db</u>
1/26	10
1/29	0
1/30	2
1/31	0
2/1	2

2-MRV-242

<u>Date</u>	<u>db</u>
1/26	50
1/29	0
1/30	5
1/31	0
2/1	40

2-MRV-221

<u>Date</u>	<u>db</u>
1/26	5
1/29	0
1/30	0
1/31	2
2/1	2

2-MRV-232

<u>Date</u>	<u>db</u>
1/26	80
1/29	80
1/30	90
1/31	80
2/1	85