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50-289

REC: REID R W  
NRC

URG: HERHEIN J G  
METROPOL EDISON

DCO DATE: 02/10/78  
DATE RCVD: 02/14/78

DOCTYPE: LETTER NOTARIZED: NO

COPIES RECEIVED  
LTR 1 ENCL 1

SUBJECT:  
RESPONSE TO NRC LTR DTD 12/2/77 FURNISHING INFO CONCERNING MODIFIED  
PROGRAM FOR VIBRATION TESTING AND ULTRASONIC INSPECTION OF  
CURRENTLY INSTALLED DECAY HEAT PUMP SHAFTS,

PLANT NAME: THREE MILE ISLAND • UNIT 1

REVIEWER INITIAL: XEF  
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\*\*\*\*\* DISTRIBUTION OF THIS MATERIAL IS AS FOLLOWS \*\*\*\*\*

GENERAL DISTRIBUTION FOR AFTER ISSUANCE OF OPERATING LICENSE.  
(DISTRIBUTION CODE A001)

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DISTRIBUTION: LTR 40 ENCL 39  
SIZE: 2P

CONTROL NBR: 780460255

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# METROPOLITAN EDISON COMPANY

POST OFFICE BOX 542 READING, PENNSYLVANIA 19603

February 10, 1978  
GQL 0198

TELEPHONE 215 - 929-3601

Director of Nuclear Reactor Regulation  
Attn: R. W. Reid, Chief  
Operating Reactors Branch No. 4  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555

Dear Sir:

Three Mile Island Nuclear Station, Unit 1 (TMI-1)  
Docket No. 50-289  
Operating License No. DPR-50  
Decay Heat Pumps

Your letter of December 2, 1977, granted approval of a modified program for vibration testing and ultrasonic inspection of the currently installed decay heat pump shafts that we had requested in our letter of October 27, 1977, GQL 1477, subject to your revision/clarification.

This letter is to inform you that DH-PLA was run in excess of one hour at greater than 550 gpm in a manner not quite consistent with that permitted in your letter of December 2, 1977. The DH-PLA chronology of testing events was as follows:

<u>Time Start</u>	<u>Time Stop</u>	<u>Date</u>	<u>Comments</u>
N/A	N/A	12/05/77	Last pump Vibration/Ultrasonic test completed satisfactorily.
0309	0420	01/11/78	First ISI Surveillance Test - Vibration data was recorded incorrectly necessitating verification run.
Times not available		01/11/78	Engineered Safeguards Surveillance Testing. (Approximately 9 minute run)
2137	2230	01/11/78	Second ISI Surveillance Test. Verified that pump was acceptable and that previous vibration data had most likely been recorded on wrong scale. Shift Supervisor secured DH-PLA operation until Vibration/Ultrasonic program completed on 01/13/78.

Total cumulative DH-PLA run time @ > 550 gpm - 133 minutes

Total cumulative DH-PLA run time @ < 550 gpm - none

N/A N/A 01/13/78 Pump Vibration/Ultrasonic testing completed satisfactorily.

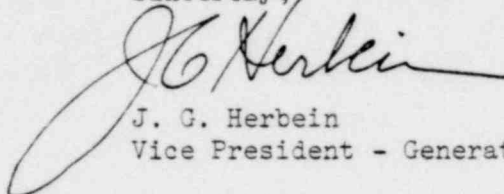
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Although DH-PLA was restarted after having accumulated in excess of one hour of operation at greater than 550 gpm, it was done in order to attain the objectives of the run, i.e., verifying acceptable operation of the pump. Since particular pump ISI tests require bearing temperatures, the pumps have to be run longer to obtain the bearing temperatures than for taking just vibration data. In view of this requirement, Met-Ed is requesting that the greater than 550 gpm accumulated run time be increased to three hours in order to prevent a recurrence of the above situation. Furthermore, this increased accumulated run time should facilitate the monthly ISI testing between the quarterly Vibration/Ultrasonic testing.

Sincerely,



J. G. Herbein  
Vice President - Generation

JGH:RJS:jmr