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TO:

Mr. R. W. Reid

FROM:

Metropolitan Edison Company
Reading, Pa.
J. G. Herbein

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DESCRIPTION

Re their 9-8-77 ltr

Consists of info. concerning vibration testing w/att drawings consisting of the November vibration testing data for DH-P-1A and DH-P-1B.....

(2-P)+(2-P)

PLANT NAME: Three Mile Island Unit No. 1
RJL 11/29/77

ENCLOSURE

1492 231

1 ENCL

SAFETY

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TELEPHONE 215 - 929-3601

November 22, 1977
CGL 1619

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

1492 232

Dear Sir:

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

In accordance with Metropolitan Edison Company letter of September 8, 1977, GQL 1234, Paragraph 1.A. Vibration Testing, and in reference to a telecon on November 16, 1977, between your Mr. G. B. Zwetzig and our Mr. R. J. Stevens, attached is the November vibration testing data for DH-P-1A and DH-P-1B.

DH-P-1A

Met-Ed Generation Engineering has reviewed the November 3, 1977, vibration testing data for DH-P-1A and has noted that the 900 cpm data for locations AV and BH, the 1800 cpm data for all locations, and the 3600 cpm data for locations AV, BV and BH exceed the October 4, 1977, baseline by more than 50%. However, based on the IRD Vibration Severity Chart, the November 3 readings are indicative of a "good" running pump.

A comparison of the DH-P-1A vibration amplitudes has also been made to the criteria established in Section XI of the ASME Boiler and Pressure Vessel Code. There has been no change in the composite vibration levels of DH-P-1A, which would, according to code requirements, warrant any corrective action or increased frequency of testing.

DH-P-1B

Met-Ed Generation Engineering has reviewed the November 1, 1977, vibration testing data for DH-P-1B and has noted that the 900 cpm data for location AV, the 1800 cpm data for locations BH and AV, and the 18000 cpm data for locations AH and AV exceed the September 30, 1977, baseline by more than 50%. However, these values are less than those recorded on September 5, and according to the IRD Vibration Severity Chart, the November 1 readings are indicative of a "smooth" to "good" running pump.

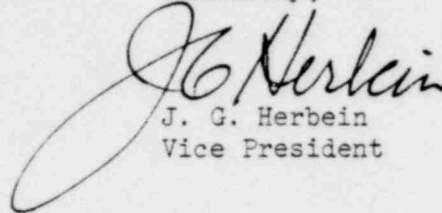
773330103

November 22, 1977
GQL 1619

It should be noted that changes in amplitude of 50% or more are insignificant, when compared to the extremely low baseline values, and that such changes can be expected.

Based on the above, Met-Ed Generation Engineering has concluded that since the vibration levels of DH-P-1A and DH-P-1B are so low, no corrective action is required.

Sincerely,

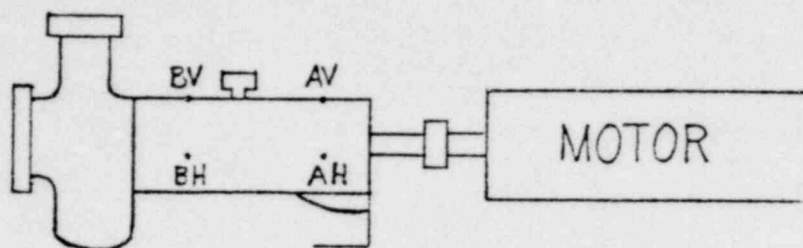
A handwritten signature in dark ink, appearing to read "J. G. Herbein". The signature is fluid and cursive, with a large loop at the end.

J. G. Herbein
Vice President

JGH:RJS:gs

Attachments

1492 233



DHP-1A

11-03-77

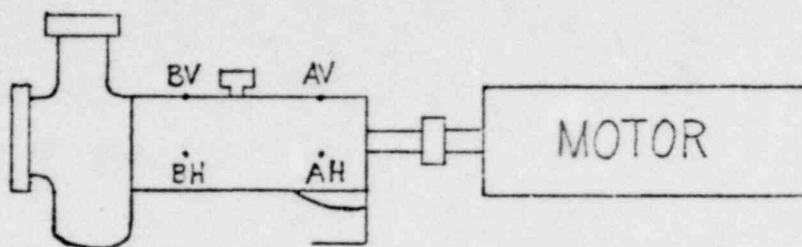
CPM		900	1800	3600	18,000
AV	DISPLACEMENT - MILS	0.11	0.10	0.34	0.03
BV		0.05	0.11	0.22	0.02
AH		0.08	0.42	0.32	0.03
BH		0.22	0.22	0.38	0.02

DHP-1B

11-01-77

CPM		900	1800	3600	18,000
AV	DISPLACEMENT - MILS	0.12	0.28	0.042	0.034
BV		0.07	0.18	0.044	0.024
AH		0.06	0.34	0.07	0.045
BH		0.14	0.42	0.036	0.011

1492 234 .



DHP-1A

10-04-77

CPM		900	1800	3600	18,000
AV	DISPLACEMENT - MILS	0.04	0.05	0.18	0.03
BV		0.03	0.02	0.08	0.02
AH		0.05	0.06	0.24	0.02
BH		0.11	0.06	0.24	0.02

DHP-1B

09-30-77

CPM		900	1800	3600	18,000
AV	DISPLACEMENT - MILS	0.05	0.16	0.074	0.019
BV		0.08	0.22	0.1	0.028
AH		0.09	0.26	0.062	0.01
BH		0.10	0.22	0.06	0.008

1492 235

BASELINE DATA