



May 15, 2003

L-MT-03-040  
10 CFR Part 50  
Section 50.55a(a)(3)

US Nuclear Regulatory Commission  
Attn: Document Control Desk  
Washington, DC 20555

MONTICELLO NUCLEAR GENERATING PLANT  
DOCKET 50-263  
LICENSE No. DPR-22

RESPONSE TO REQUEST FOR ADDITIONAL INFORMATION ON THE FOURTH 10-  
YEAR INSERVICE TESTING INTERVAL RELIEF REQUEST NO. PR 03  
(TAC NO. MB6807)

Reference 1: NMC Letter to NRC, "Request For Review and Approval of Relief  
Requests Associated with Fourth 10-Year Interval Inservice Testing  
Program Plan Submittal", dated November 22, 2002

Reference 2: NRC email to NMC, "Important - Need Curves for Monticello TAC No.  
MB6807 Relief Requests," dated May 5, 2003

Reference 1 requested NRC approval of an alternative test in lieu of the testing requirements in American Society of Mechanical Engineers Section XI, ISTB Table 5.2.1-1 and ISTB 6.2.1 for pump vibration testing acceptance alert range. The proposed alternative test would allow the relaxation of the alert range for horizontal vibration from 0.325 in/sec. to 0.5 in/sec. This relief had previously been granted for the Monticello Nuclear Generating Plant Third 10-Year Interval Inservice Testing Program Plan.

Reference 2 requested the Nuclear Management Company, LLC (NMC) to provide additional information regarding the subject relief request.

Attachment 1 to this letter contains the NMC response to the request for additional information.

This letter does not contain any new commitments.

If you have any questions regarding this submittal please contact John Fields, Senior Licensing Engineer at (763) 295-1663.

A handwritten signature in black ink, appearing to read "David L. Wilson", with a long horizontal flourish extending to the right.

David L. Wilson  
Site Vice President  
Monticello Nuclear Generating Plant

cc: Regional Administrator-III, NRC  
NRR Project Manager, NRC  
Sr. NRC Resident Inspector, NRC  
State of Minnesota Boiler Inspector  
Hartford Insurance

Attachment 1 - NMC RESPONSE TO NRC REQUEST FOR ADDITIONAL  
INFORMATION

**Attachment 1**

**NUCLEAR MANAGEMENT COMPANY, LLC  
MONTICELLO NUCLEAR GENERATING PLANT  
DOCKET 50-263**

**May 15, 2003**

**NMC RESPONSE TO NRC REQUEST FOR ADDITIONAL INFORMATION**

**5 pages follow**

## Attachment 1

### NMC RESPONSES TO NRC REQUEST FOR ADDITIONAL INFORMATION

#### **NRC Request:**

*It looks like we need more info. for Relief Request PR-03 for HPCI pump P-209. Do you have any additional vibration curves for the period between 1994 through present? Right now we appear to have only vibration curves from 1989 through 1994 (which were submitted with the 3rd interval IST Program).*

#### **NMC Response:**

The enclosed graphs of vibration data for High Pressure Coolant Injection (HPC or HPCI) pump P-209 were compiled using Monticello Nuclear Generating Plant (MNGP) Surveillance Procedure 0255-06-IA-1 for HPCI Pump Vibration testing Appendix 1, "Vibration Analysis of HPCI Turbine and Pumps". This procedure is used to satisfy MNGP Inservice Testing (IST) requirements for the HPC pump.

#### ① Identified points on graph entitled, Inboard (relative to driver) Main Pump Bearing:

The identified points correspond to data, which is above the alert range for the HPC pump vibration limits. The points are discussed below:

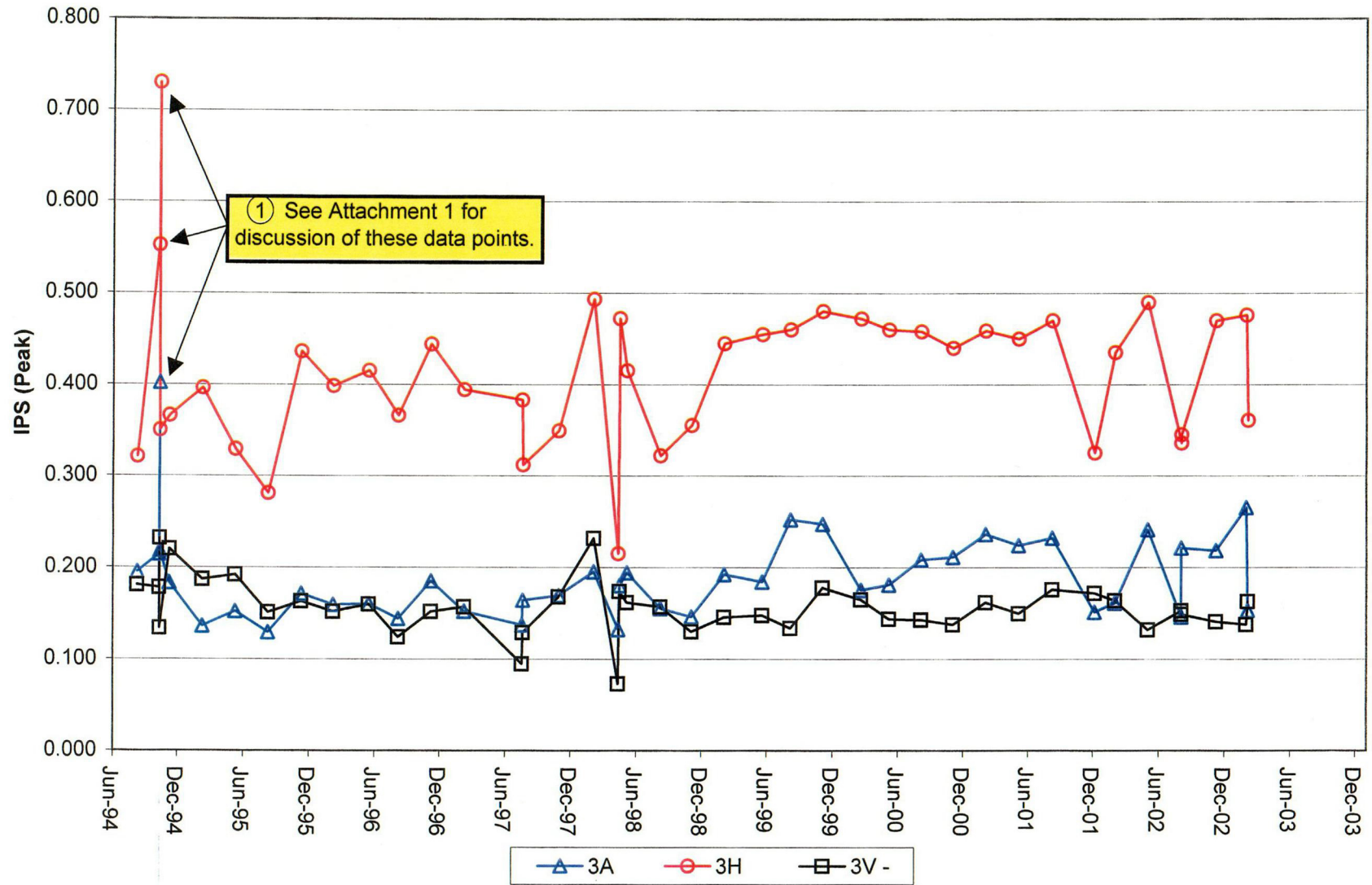
- Data taken on 10/24/94 exceeded the 0.500 in/sec limit on point 3-H for IST.
- Data taken on 10/26/94 exceeded the 0.700 in/sec limit on point 3-H and the 0.325 in/sec limit on point 3-A for IST.

When the above readings were found the HPC pump was declared inoperable. In accordance with the referenced site practices, a condition report was initiated and an evaluation of the data was performed to determine the cause of the high vibration.

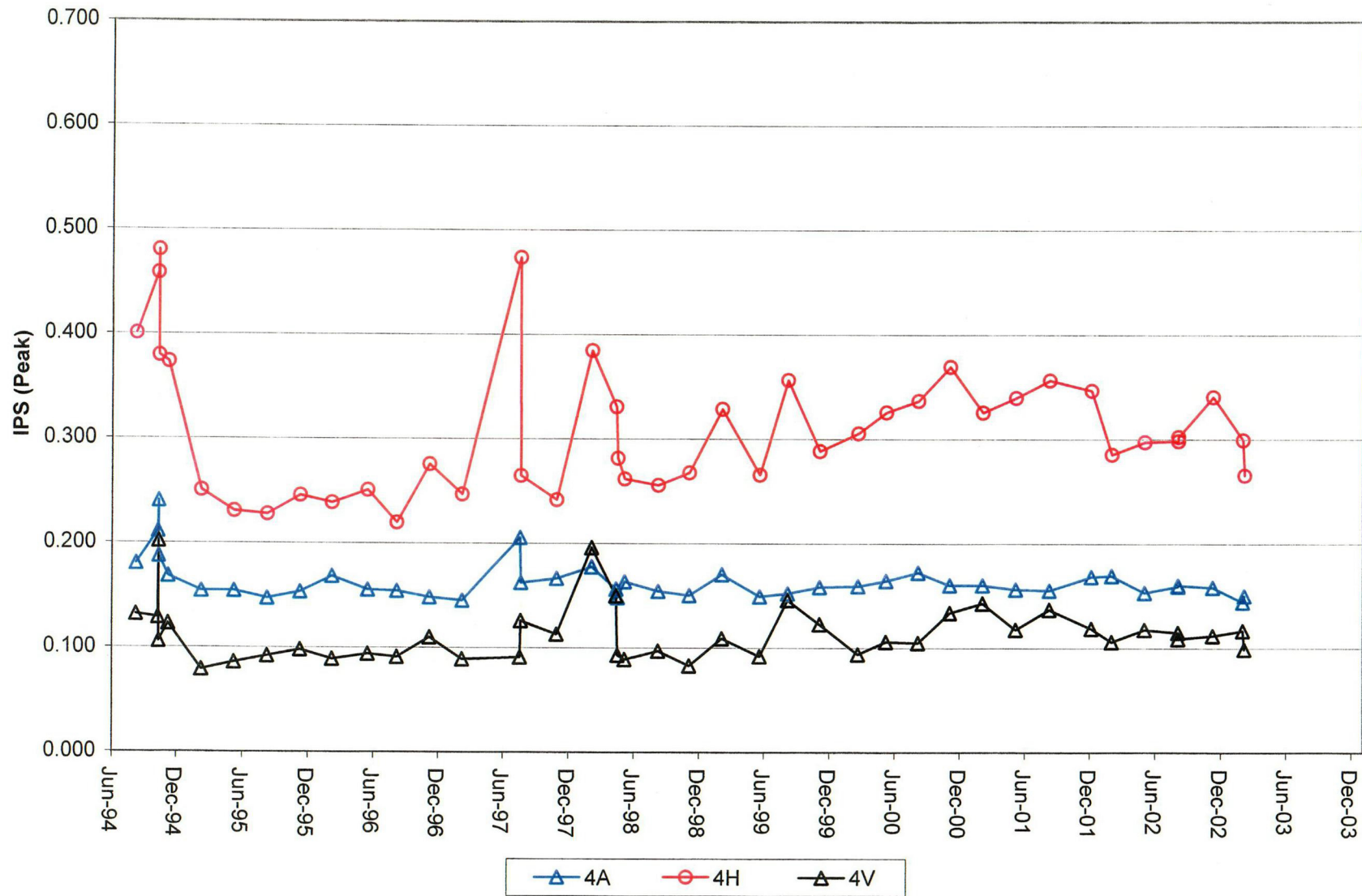
The results of the evaluation indicated that the above conditions were attributed to a turbine speed oscillation and other indication that was not reading accurately. This resulted in the turbine speed being set higher than the specified speed requirement for Section XI testing requirements. Although only point 3-H was specifically discussed in the engineering evaluation, the higher-than-normal vibration reading on point 3-A on 10/26/94 should have also been attributed to the same condition.

When the speed control problem was corrected and associated instruments were repaired and calibrated, the pump vibration test was re-performed on 10/27/94. The vibration data obtained was within the ASME Code and Relief Request limits, as applicable for the specific points.

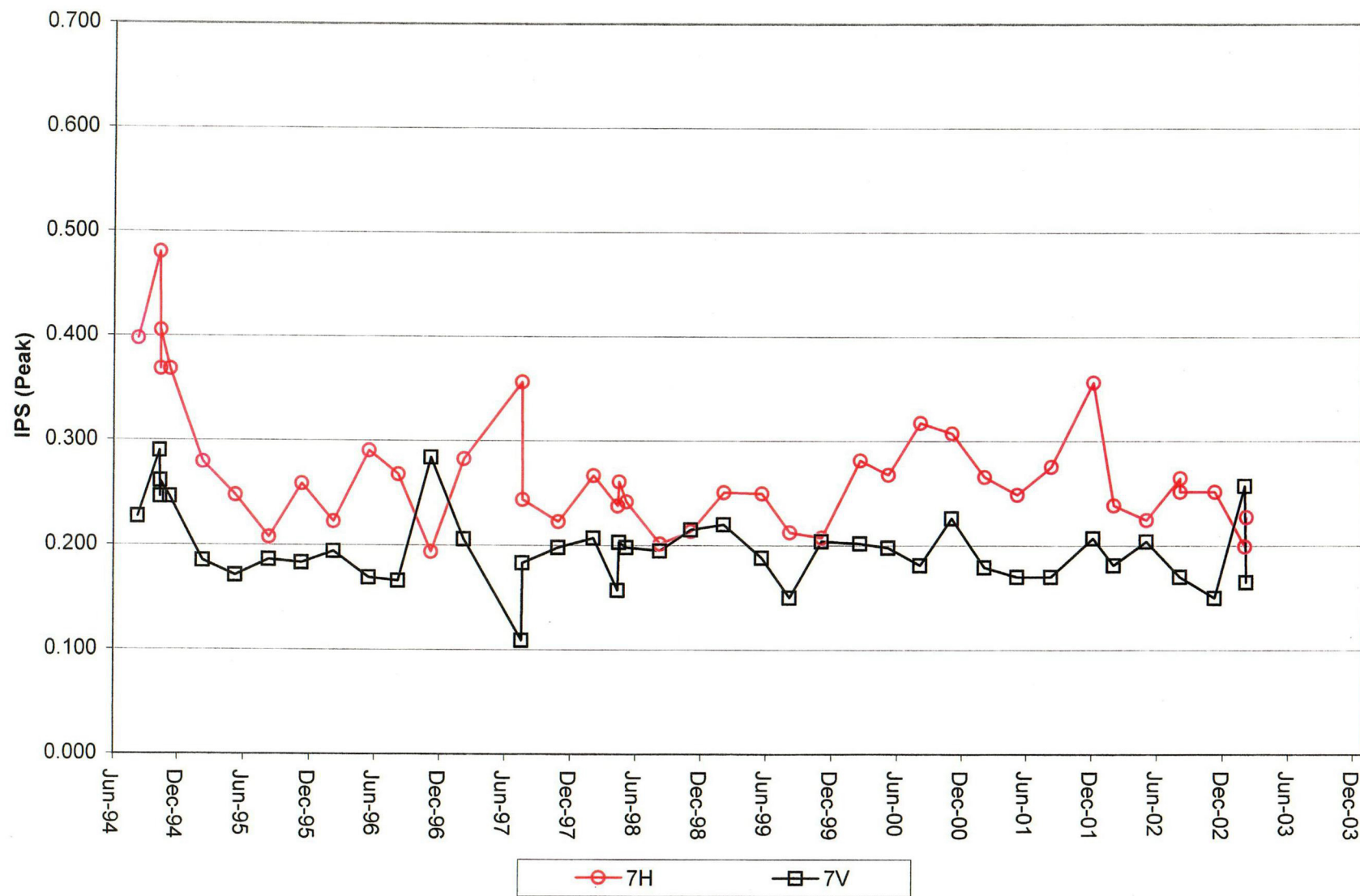
### Inboard (relative to driver) Main Pump Bearing



### Outboard (relative to driver) Main Pump Bearing



### Inboard (relative to driver) Booster Pump Bearing



### Outboard (relative to driver) Booster Pump Bearing

