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May 23, 1984 MP-6032

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

Reference: Facility Operating License No. DPR-65 Docket No. 50-336 Reportable Occurrence RO 50-336/82-36/3X-2

Gentlemen:

This letter forwards the update Licensee Event Report 82-36/3X-2. This update report provides information on additional pump failures.

Yours truly,

NORTHEAST NUCLEAR ENERGY COMPANY

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E. J. Mroczka Station Superintendent Millstone Nuclear Power Station

EJM/TPF:mo

Attachment: LER RO 50-336/82-36/3X-2

CC: Dr. T. E. Murley, Region 1 Director, Office of Inspection and Enforcement Washington, D. C. (1) Director, Office of Management Information and Program Control, Washington, D. C. (1)

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U.S. NUCLEAR REGULATORY COMMISSION RC FORM 366 771 LICENSEE EVENT REPORT 110 (PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION) CONTROL BLOCK J) TMNS122000-000000004111100 ON'T 3 8 4 9 0 5 0 0 0 3 3 6 0 0 8 2 5 8 2 0 5 2 EVENT DATE 74 75 REPO 0 1 LOL SOURCE DESCRIPTION AND PROBABLE CONSEQUENCES (10) 12 With the plant at 100 per cent power level and during routine packing replacement of the 'A' charging pump, a crack was discovered in the 'A' charging pump.block. On 03 2/27/84, with the plant at 100 per cent power, while investigating unidentified leakage 0 4 o in the 'B' charging pump a crack was discovered inside the pump bores. On April 4,1984 ( again at 100 per cent power a crack was discovered in the replacement 'A' charging pump block during a routine packing replacement. Two charging pumps were always available, 0 7 therefore no limiting conditions of operation were entered. Similar LER's: 79-14 OB SUBCODE CODE ODE SUBCODE SUBCODE COMPONENT CODE (13) M PXX 0 9 E (12) REVISION BAFN CODE 013 13 6 SUPPLIER COMPONEN. (22) HOURS 0 Y (24) L (25 G 0 4 DESCRIPTION AND CORRECTIVE ACTIONS (27 An independent destructive evaluation of the original 'A' charging pump discovered a 1 0 sub surface inclusion in the pump bore. The crack started at this inclusion due to 1 1 high local stresses and propagated due to fatigue. The exact cause of the cracking 1 2 of the 'B' and replacement 'A' charging pumps is unknown at this time. Inclusions 1 3 similar to the one that cracked the original 'A' pump in August 1982 are suspected. 1 4 METHOD OF OTHER STATUS 30 DISCOVERY DESCRIPTION (32) POWER NA B (31 Preventive Maintenance 0 29 1 5 CONTENT ACTIVITY AMOUNT OF ACT VITY (35) LOCATION OF RELEASE (36) OF RELEASE Ē EXPOSURES REDSONNEL DESCRIPTION (39) Z (38 NA NUURIES DESCRIPTION (41) 1 1 6 0 0 (40 NA DES OF OR DAMAGE TO FACILITY 1 9 NA 10 UBLICITY NAC USE ONLY DESCRIPTION (45) NA (203) 447-1791 Thomas Filburn PHONE -NAME OF PREPARER

ATTACHMENT TO LER 82-36/3X-2 NORTHEAST NUCLEAR ENERGY COMPANY MILLSTONE NUCLEAR POWER STATION - UNIT 2 PROVISIONAL LICENSE NO. DPR-65 DOCKET NUMBER 50-336

The analysis of the original 'A' charging pump discovered an inclusion just below the surface of the pump bore. This defect (.025") was not detectable by the non-destructive methods used at the time of pump fabrication.

The 'B' charging pump is going to be destructively analyzed to try and determine an exact cause of block failure. In addition, instantaneous suction pressure readings will be gathered to verify suction pressures are above pump NPSHR with various pump running combinations. A dye penetrant inspection is performed each time maintenance is performed on the pump block to detect any cracks as early as possible.

During all cases of charging pump cracking two pumps were always operable as required by the Units Technical Specifications. The first indication of a problem with any of the three pumps was increased unidentified leakage. At no time did this leak rate exceed the Tech. Spec. limit of 1 gpm. Based on this, adequate means exist to monitor pump failure/leakage. Therefore no safety concerns are left open by this iter.