	LICENSEE EVENT REPORT
	CONTROL BLOCK: [ ] [ ] (PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)
01	C T M N S 2 2 0 0 - 0 0 0 0 - 0 0 3 4 1 1 1 1 0 5 57 CAT 58 5
CON'T	BEPORT LE GO 5 0 0 0 3 3 6 7 0 8 2 5 8 2 8 1 1 0 9 8 4 9  EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)
0 2	With the plant at 100 per cent power level and during routine packing replacement of
03	the 'A' charging pump, a crack was discovered in the 'A' charging pump block. On
04	2/27/84, with the plant at 100 percent power, while investigating unidentified leakage
05	in the 'B' charging pump a crack was discovered inside the pump bores. On 4/4/84
06	again at 100 per cent power a crack was discovered in the replacement 'A' charging pumb
07	block during a routine packing replacement. Two charging pumps were always available.
0 8	therefore no limiting conditions of operation were entered. Similar LER's: 79-14.
09	SYSTEM CAUSE CAUSE SUBCODE COMPONENT CODE SUBCODE SUBC
	TAKEN ACTION ON PLANT METHOD HOURS 22 ATTACHMENT FORM SUBMITTED FORM SUPPLIER MANUFACTURER  A (8) Z (9) Z (20) Z (21) Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q
10	An independent destructive evaluation of the original 'A' and 'B' charging pumps dis-
111	covered a sub surface inclusion in the pump bore. The cracks started at these inclusions
112	due to high local stresses and propagated due to fatigue. The exact cause of the crack-
13	ing of the replacement 'A' charging pump is unknown. Inclusions similar to the ones that
TIA	cracked the original 'A' and 'B' pumps in August 1982 and February 1984 are suspected.
15, 8	FACILITY STATUS 30 METHOD OF DISCOVERY DESCRIPTION 32    E   78
16	RELEASED OF RELEASE AMOUNT OF ACTIVITY (35)  NA N
17	NUMBER TYPE DESCRIPTION (39) NA  9 PERSONNEL INJURIES 13 80 8411190200 841100
1 8	NA S ADOCK 05000336  NA S PDR ADOCK 05000336  PDR 80  LOSS OF OR DAMAGE TO FACILITY 43
7 8	NA NAC USE ONLY
20	NA NA
, ,	9 10  NAME OF PREPARER Thomas Filburn  PHONE (203) 447-1791 X4424

ATTACHMENT TO LER 82-36/3X-3
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 was also destructively analyzed, and again the crack propagated from similarly sized sub-surface inclusions. In addition, an engineering calculation has been performed to verify suction pressures are above NPSHR for these pumps. 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 item.

THE CONNECTICUT LIGHT AND POWER COMPANY WESTERN MASSACHUSETTS ELECTRIC COMPANY HEATONE WATER POWER COMPANY NORTH-EAST UNCLE AS INFRINY COMPANY NORTH-EAST UNCLE AS INFRINY COMPANY

General Offices . Selden Street, Berlin, Connecticut

P.O. BOX 270 HARTFORD, CONNECTICUT 06141-0270 (203) 666-6911

November 9, 1984 MP-6435

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-3

Gentlemen:

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

Yours truly,

NORTHEAST NUCLEAR ENERGY COMPANY

FOR: E. J. Mroczka
Station Superintendent
Millstone Nuclear Power Station

BY:

W. D. Romberg
Unit 1 Superintendent
Millstone Nuclear Power Station

W. D. Ng.

EJM/TPF:mo

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

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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