

Update Report
Previous Report Date - 062882

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

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67	61	DUCKETT, ALBERT						66	65	EVENT DATE						74	REPORT DATE						60

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

This LER is an informational report. Higher than normal concentrations of

Iodine-131 in the Reactor Coolant System during Cycle 5 operation indicated

probable fuel clad failures. At the end of Cycle 5, fuel sipping was

performed on the entire core and revealed 26 fuel assemblies with failed

class. In addition, visual and ultrasonic examinations were performed. The

ultrasonic examinations revealed 32 failed fuel rods in the 26 failed fuel

assemblies.

09		SYSTEM CODE R C 11		CAUSE CODE E 12		CAUSE SUBCODE C 13		COMPONENT CODE F U E L X X 14				COMP SUBCODE Z 15		VALVE SUBCODE Z 16			
17		EVENT YEAR 8 2 21 22		SEQUENTIAL REPORT NO 0 1 9 24 26		OCCURRENCE CODE 9 9 28 29		REPORT TYPE X 30		REVISION NO 1 32							
ACTION TAKEN X 33		FUTURE ACTION X 34		EFFECT ON PLANT Z 36		SHUTDOWN METHOD Z 38		HOURS 0 0 0 0 40		ATTACHMENT SUBMITTED Y 42		NPR-4 FORM SUB N 44		PRIME COMP SUPPLIER X 46		COMPONENT MANUFACTURER W 1 2 0 48	

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

The identified fuel rod failures appear to be from multiple sources and do

not indicate a situation which will lead to continued degradation of the fuel

clad. All failed fuel assemblies, except one assembly which has 1 leaking

fuel rod, were removed from the revised Cycle 6 loading pattern.

FACILITY STATUS (E) (28) 1 0 0 (29) NA (30) OTHER STATUS
 % POWER (1) (2) (3) (4) (5) (6) (7) (8) (9) (10) (11) (12) (13) (14)
 METHOD OF DISCOVERY (B) (31) Surveillance (32) DISCOVERY DESCRIPTION
 ACTIVITY CONTENT RELEASED OF RELEASE (Z) (33) (Z) (34) NA (35) AMOUNT OF ACTIVITY
 (1) (2) (3) (4) (5) (6) (7) (8) (9) (10) (11) (12) (13) (14) (15) (16) (17) (18) (19) (20)
 PERSONNEL EXPOSURES NUMBER TYPE DESCRIPTION (36) NA (37) (38) (39)
 (1) (2) (3) (4) (5) (6) (7) (8) (9) (10) (11) (12) (13) (14) (15) (16) (17) (18) (19) (20)
 PERSONNEL INJURIES NUMBER DESCRIPTION (40) 8312300201 831201
 (1) (2) (3) (4) (5) (6) (7) (8) (9) (10) (11) (12) (13) (14) (15) (16) (17) (18) (19) (20)
 LOSS OF OR DAMAGE TO FACILITY TYPE DESCRIPTION (41) PDR ADOCK 05000336
 (1) (2) (3) (4) (5) (6) (7) (8) (9) (10) (11) (12) (13) (14) (15) (16) (17) (18) (19) (20)
 PUBLICITY ISSUED DESCRIPTION (42) NA (43) (44) (45) (46) (47) (48) (49) (50)
 (1) (2) (3) (4) (5) (6) (7) (8) (9) (10) (11) (12) (13) (14) (15) (16) (17) (18) (19) (20)

NAME OF RESEARCHER

Robert Borchert

(203) 447-1791 X 4418
 P-OKE

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ATTACHMENT TO LER 82-19/99X-1
NORTHEAST NUCLEAR ENERGY COMPANY
MILLSTONE NUCLEAR POWER STATION - UNIT 2
FACILITY OPERATING LICENSE NUMBER DPR-65
DOCKET NO. 50-336

The following examinations were performed on the Cycle 5 Millstone 2 fuel:

Fuel sipping was performed on the entire Cycle 5 core and revealed 26 fuel assemblies with failed clad. The 26 failed assemblies consist of 21 Westinghouse manufactured fuel assemblies and 5 Combustion Engineering manufactured fuel assemblies.

Visual examinations were performed using underwater television and a periscope. In conjunction with the visual examinations, approximately 100 fuel rods were lifted in the failed fuel assemblies to allow inspections of the fuel rod/spacer grid area. The visual examinations and rod lifts revealed 1 missing end plug and 1 indication of grid spring/fuel rod fretting.

Ultrasonic examinations were performed on all of the fuel rods in each failed fuel assembly, as well as in several non-leaking assemblies. The ultrasonic examinations revealed 32 fuel rods with failed clad in the 26 failed fuel assemblies.

All of the failed fuel assemblies, with the exception of one assembly which contains one failed fuel rod, were removed from the revised Cycle 6 loading pattern.

Further information was presented to the NRC in a meeting at the Bethesda Offices of the NRC Staff on October 12, 1983, and in W. G. Council (Northeast Utilities) to J. K. Miller (NRC) letter dated November 4, 1983.

NORTHEAST UTILITIES

THE CONNECTICUT LIGHT AND POWER COMPANY
WESTERN MASSACHUSETTS ELECTRIC COMPANY
HOLYOKE WATER POWER COMPANY
NORTHEAST UTILITIES SERVICE COMPANY
NORTHEAST NUCLEAR ENERGY COMPANY

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December 1, 1983
MP-5564

Dr. Thomas E. Murley, Reg. Admin. Region 1
U.S. Nuclear Reg. Comm. Regional Office
631 Park Avenue
King of Prussia, Pennsylvania 19406

Reference: Facility Operating License No. DPR-65
Docket No 50-336
Reportable Occurrence RO-50-336/82-19/99X-1

Dear Dr. Murley:

This letter forwards the Licensee Event Report 82-19/99X-1. While not required by the Millstone 2 Appendix A Technical Specifications, this Licensee Event Report is submitted as an informational report.

An additional three copies of the report are enclosed.

Yours truly,

NORTHEAST NUCLEAR ENERGY COMPANY

E. J. Mroczka
Station Superintendent
Millstone Nuclear Power Station

EJM/RB:ejl

Attachment: LER RO-82-19/99X-1

cc: Director, Office of Inspection and Enforcement Washington, D. C. (30)
Director, Office of Management Information and Program Control,
Washington, D.C. (3)
U.S. Nuclear Regulatory Commission, c/o Document Management Branch,
Washington, D.C. 20555

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