

General Offices Selden Street, Berlin Connecticut

P.O.BOX 270 HARTFORD, CONNECTICUT 08141-0270 (203)865-5000

Re: 10CFR50.73(a)(2)(i) February 26 1992 MP-92-221

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

Reference:

Facility Operating License No. DPR-21

Docket No. 50-245

Licensee Event Report 92-001-00

Gentlemen:

This letter forwards Licensee Event Report 92-001-00 required to be submitted within thirty (30) days pursuant to 10CFR50.73(A)(2)(i).

Very truly yours,

NORTHEAST NUCLEAR ENERGY COMPANY

Stephen E. Scace
Director, Millstone Station

SES/SC:dlr

Attachment: LER 92-001-00

cc: T. T. Martin, Region 1 Administrator

W. J. Raymond, Senior Resident Inspector, Millstone Unit Nos. 1, 2 and 3

D. H. Jaffe, NRC Project Manager, Millstone Unit No. 1

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Steven Cohen, Ass	oc. Engineer Ext.	4401				2 0 3	414171-117191		
CC	IMPLETE ONE LINE FOR	EACH COMPONENT	FAILURE D	ESCRI	ED IN THIS A	PORT //3			
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On January 27, 1992, discovered t' it openin two (2) of the four (4 providing secondary c ventilation isolation do requirements. The re	ng a Stand-by Gas i) reactor building ontainment isolation ampers resulted in	Treatment (SB ventilation isola n. Defeating that viciation of T ers were operational interpretations of the containment is	GT) circultion dans ne isolati echnical ne and violation.	on si Spectrould The	thus making all to two diffications of have isolal SBGT systems.	dd defeat thing them ino of the four econdary collect the reacter procedure.	e isolation signal to perable with regard to reactor building entainment tor building in the		

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Description of Event

On January 27, 1992, at 1300 hours, with the plant in cold shutdown (136 degrees Fahrenheit, 0 pst) it signal to two (2) of the four (4) reactor building ventilation isolation dampers thus making them inoperable with regard to providing secondary containment isolation. Defeating the isolation signal to two of the four reactor building ventilation isolation dampers resulted in a violation of Technical Specifications secondary containment requirements. The remaining two dampers were operable and would have isolated the reactor building in the event of a condition requiring secondary containment isolation. The SBGT system procedures have been revised to provide guidance on removing one SBGT circuit from service. No safety consequences resulted from this event.

The cause of this event was determined to be the inadequate design of the original isolation logic for the Reactor Building Ventilation dampers for all SBGT system configurations (i.e. one SBGT breaker

The isolation of the Reactor Building Ventilation is required to prevent a radioactive release during an accident or high radiation condition. The Reactor Building Ventilation isolates on a Group II isolation (2 psi drywell pressure and low reactor water level (+8)) or Hi-radiation signal (steam tunnel exhaust radiation 50mt/hr or greater, refuel floor radiation 100mt/hr or greater and reactor building ventilation

- isolate. These pilot solenoids valves receive power from Instrument AC and 125 VDC and do not fail closed when a SBGT breaker is opened. These pilot solenoids valves receive a close signal when the SBGT initiation relay energizes. When the SBGT circuit breaker is opened, the power to the SBGT initiation relay is removed. This prevents the SBGT initiation relay from energizing and providing the isolation signal to 2 of the 4 Reactor Building Ventilation Isolation dampers (one supply damper and one exhaust damper). These two dampers will remain open until the redundant supply and exhaust damper close, tripping the Reactor Building Supply fans. The redundant supply
- Defeating the isolation signal to 2 of the 4 isolation dampers would reduce the reliability of the

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LICENSEE EVE REPORT (LER)

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APPROVED OMB NO. 3180-0104 EXPIRES 4/30/92

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 Technical Specification's definition of Secondary Containment requires "All automatic ventilation system isolation valves be operable or secured in the isolated position".

IV: Corrective Action

The short term corrective action was to revise the SBGT System operating procedure (SP 646.6) to provide guidance on removing one train of SBGT from service when Secondary Containment is required per Technical Specification Requirements. The procedure revision provides guidance for removing one train of SBGT for maintenance or surveillance of the fan and filter assembly or for maintenance of the SBGT control logic. The procedure directs operators to pull the thermal overloads in lieu of opening the circuit breaker. This prevents the isolation signal to 2 of the 4 dampers from being defeated. If the breaker is required to be opened, the operators will be required to isolate the normal reactor building ventilation and run the operable SBGT train. Additionally, Caution 1 bels have been installed on the SBGT breakers referencing the operators to SP 646.6 prior to opening a SBGT circuit breaker.

A design modification to the SBGT initiation and Reactor Building Ventilation isolation logic is being evaluated. If deemed appropriate, this modification will be implemented during the next refueling outage.

V. Additional Information

None

APPROVED OMB NO. 315
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