

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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May 2, 1986

Docket No. 50-423
B12073

Dr. Thomas E. Murley
Regional Administrator
Region I
U. S. Nuclear Regulatory Commission
631 Park Avenue
King of Prussia, PA 19406

Reference: (1) T. M. Novak letter to J. F. Opeka, Issuance of Facility
Operating License NPF-49, dated January 31, 1986.

Dear Dr. Murley:

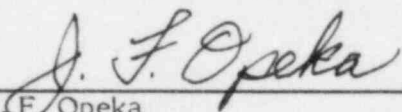
Millstone Nuclear Power Station, Unit No. 3
Changes to the Initial Test Program

The Millstone Unit No. 3 Operating License, NPF-49, contains License Condition 2.C(10), which requires any changes to the Initial Test Program described in Section 14 of the FSAR made in accordance with the provisions of 10 CFR 50.59 be reported in accordance with 50.59(b) within one month of such change. Accordingly, Northeast Nuclear Energy Company hereby submits a report containing a brief description of a change to the Initial Test Program including a summary of the safety evaluation. This change will be included in a subsequent amendment to the FSAR.

If there are any questions, please contact our licensing representative directly.

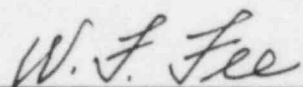
Very truly yours,

NORTHEAST NUCLEAR ENERGY COMPANY



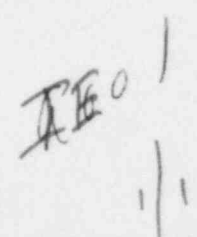
J. F. Opeka
Senior Vice President

8606240178 860502
PDR ADOCK 05000423
P PDR



By: W. F. Fee
Executive Vice President

cc: Mr. J. M. Taylor, Director
Office of Inspection and Enforcement
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555



Attachment

Description of Change:

The attached FSAR change deletes the requirement to have all plant loads supplied by the Millstone Unit No. 3 Turbine-Generator as a prerequisite to the Loss of Power Test (Startup Test 26 - Station Blackout).

Safety Evaluation:

Startup Test 26, Station Blackout, originally required all plant loads to be supplied from the Millstone Unit No. 3 generator as a test prerequisite. This was based upon the RG 1.68 requirement that the test be performed as a loss of turbine-generator coincident with a loss of all sources of offsite power.

The Unit No. 3 turbine-generator need not be on line as a Station Blackout test prerequisite for the following reasons:

- The turbine trip will be demonstrated under Startup Test 39 (100% Trip).
- Loss of turbine-generator can be simulated for Unit No. 3 by initially transferring 4160 VAC loads to the RSST, and then simultaneously opening both the NSST and RSST supply breakers to the 6.9 KV and 4.16 KV busses to initiate the test. This sequence also has the advantage of facilitating a transfer of vital 4160 VAC busses to emergency power without an interim automatic transfer to the RSST. In addition, since the Millstone Unit No. 3 design utilizes a separate turbine-generator output breaker to the NSST, the basis for the RG 1.68 requirement is minimized.
- Test sequencing required the Station Blackout to be performed immediately after the MSIV Closure Test (Startup Test 27). This procedure resulted in an automatic turbine trip.
- Test acceptance criteria are not affected by a generator trip simulation.

This proposed FSAR revision was reviewed with respect to the requirements delineated in 10 CFR 50.59. It has been determined not to constitute an unreviewed safety question because it does not:

- a) Increase the probability of occurrence or the consequences of an accident or malfunction of equipment important to safety previously evaluated because it modifies only startup test prerequisites and not just performance.
- b) Increase the possibility of an accident or malfunction of a different type than any previously evaluated because the startup test performance is not modified and its effects have been previously evaluated.
- c) Decrease the margin of safety as defined in the basis of any Technical Specification because the startup test performance is not modified, and all technical specification requirements will be adhered to.

TABLE 14.2-2 (Cont)

26. STARTUP TEST - STATION BLACKOUT

Prerequisites for Testing

The plant is in the 10 to 20 percent power range, ~~with all plant load being supplied by the Millstone 3 generator.~~

Test Objective and Summary

This test will demonstrate that the plant responds as designed following a plant trip with no offsite power. The reactor will be tripped. The diesel start, load sequencing, and plant response including natural circulation will be monitored. The turbine-driven auxiliary feedwater pump shall be run for a minimum of 2 hours with motor-driven auxiliary feedwater pumps and turbine-driven auxiliary feedwater pump cubical ventilation secured. Ac power to the inverters and battery charger will be removed for a period of 2 hours to force battery operation.

Acceptance Criteria

The plant responds in accordance with design. The turbine-driven auxiliary feedwater pump will remain within design limits and pump room ambient conditions do not exceed environmental qualification limits for safety related equipment in the room.

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