

PRIORITY ATTENTION REQUIRED MORNING REPORT - REGION I OCTOBER 15, 1993

Licensee/Facility:  
Northeast Utilities  
Millstone 1  
Waterford, Connecticut

Notification:  
MR Number: 1-93-0107  
Date: 10/15/93  
RI PC

Dockets: 50-245  
BWR/GE-3

Subject: INACCURATE ASSUMPTIONS MADE IN PLANT ACCIDENT ANALYSES

Reportable Event Number: 26083

Discussion:

On September 17, and October 12, 1993, respectively, Millstone Unit 1 informed the NRC operations officer that accident scenarios which were described in Chapter 15 of the Millstone Unit 1 Final Safety Analyses Report (FSAR) were based upon inaccurate system design features.

Specifically, the FSAR states that following a generator load reject transient, the reactor recirculation pumps will run back to 70 percent of rated flow. This recirculation pump runback feature was never installed at Millstone Unit 1. Additionally, the FSAR states that following a loss of feedwater event, an immediate runback of the reactor recirculation pumps to minimum flow will occur. The current Millstone design will run back recirculation pump flow to the minimum value only after a fifteen second time delay has occurred. The licensee stated that the two analyses input errors are not significant since they are bounded by other more conservative scenarios. The design parameters which these scenarios have

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been based upon have been verified by the licensee to be accurate.

According to the licensee, the errors occurred when General Electric, the Nuclear Steam Supply System vendor, developed the accident scenarios based upon Millstone archive data which they did not verify with the licensee to be accurate. The licensee is reviewing the assumptions which were made in other Chapter 15 accident scenarios to determine if other errors exist.

Assuming General Electric could have made similar incorrect assumptions regarding plant design features when developing the Chapter 15 FSAR accident analyses for other facilities, this deficiency may potentially be generic.

Regional Action:

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