

June 4, 2001

MEMORANDUM TO: Anthony J. Mendiola, Chief Section 2
Project Directorate III
Division of Licensing Project Management

FROM: George F. Dick, Jr., Sr. Project Manager, Section 2 */RA/*
Project Directorate III
Division of Licensing Project Management

SUBJECT: CLOSEOUT OF EMERGENCY CORE COOLING SYSTEM REPORT
REVIEW - BYRON STATION, UNITS 1 AND 2, AND BRAIDWOOD
STATION, UNITS 1 AND 2 (TAC NOS. MA8437, MA8438, MA8435,
AND MA8436)

By letter dated February 25, 2000, Commonwealth Edison Company (the licensee) notified the NRC that it did not submit 30-day reports of the Emergency Core Cooling System Evaluation Model Changes and Errors required by 10 CFR 50.46(a)(3)(ii) for Byron and Braidwood Stations. The reports were due in April and December of 1998. The licensee stated that the omission was inadvertent.

As part of the steam generator replacement project for Unit 1 at each site, the small break LOCA analysis was re-performed. The new analysis resulted in a significant change (i.e. reduction) in the peak cladding temperature (PCT) of more than 50 °F from the temperature calculated for the limiting transient using the last acceptable model. While the change in PCT was not reported within 30 days, it was reported in the 1999 Annual 10 CFR 50.46 Report.

The staff elected to conduct a further review of the information contained in the February 25, 2000, letter as well as the 1999 10 CFR 50.46 annual report which was submitted by the licensee's letter of April 18, 2000. Subsequent to the staff's initiation of the review, the licensee submitted an analysis using the best estimate methodology which was associated with the license amendment requests for power uprates. The staff determined that its reviews of the later submittal and associated LOCA analyses superseded the review of the February 25, and April 18, 2000, submittals.

This memo closes out all activity associated with the subject TAC numbers.

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