

✓

DUKE POWER COMPANY

ELECTRIC CENTER, BOX 33189, CHARLOTTE, N. C. 28242

L. C. DAIL
VICE PRESIDENT
DESIGN ENGINEERING

November 2, 1979

Mr. J. P. O'Reilly, Director
U.S. Nuclear Regulatory Commission
101 Marietta Street, Suite 3100
Atlanta, Georgia 30303

Re: Cherokee Nuclear Station
Docket Nos.: 50-491,492 & 493
Perkins Nuclear Station
Docket Nos.: 50-488, 489, 490
IE Bulletin 79-23
Duke File: P81-1412-11-1

Dear Mr. O'Reilly:

In response to your letter of September 12, 1979, which transmitted Nuclear Regulatory Commission IE Bulletin 79-23, Duke has conducted a review of the design for Cherokee and Perkins Nuclear Stations. This review has revealed that connections have not been made between low KVA rated transformers and high KVA EDG's without adequate limitations on the flow of circulatory currents at these stations. The diesel generator factory test for Cherokee, 22 hours at full load and 2 hours at 110% load, is expected to be complete with results available April 1, 1983. The tests for Perkins have not been scheduled as of this date.

Very truly yours,


L.C. Dail, Vice-President
Design Engineering

EKM/cam

1403 258

7911280045

79091

TIC
50-488