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 50-369 William B. McGuire Nuclear Station, Unit 1, Duke Powe 05000369
 50-370 William B. McGuire Nuclear Station, Unit 2, Duke Powe 05000370
 50-413 Catawba Nuclear Station, Unit 1, Duke Power Co. 05000413
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SUBJECT: Responds to L Lois 890509 request for addl info re
 DPC-NE-2000, "DCHF-1 Correlation for Predicting...."

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Jim Norberg

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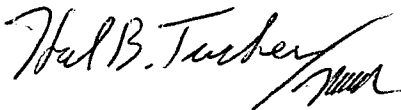
Subject: Oconee Nuclear Station
Docket Numbers 50-269, -270, and -287
McGuire Nuclear Station
Docket Numbers 50-369 and -370
Catawba Nuclear Station
Docket Numbers 50-413 and -414
Topical Report DPC-NE-2000,
"DCHF-1 Correlation for Predicting
Critical Heat Flux in Mixing Vane Grid Assemblies"

In a telephone conversation on 5/9/89, Mr. Lambros Lois of NRC, requested additional information about the effect of the deletion of "annular flow points," as identified by B&W on the DCHF-1 correlation. Out of the 1004 data base points, 59 points were identified by B&W as points in the annular flow regimes. Identifications of these 59 test points, as given in the topical report, are listed here in Table 1.

As requested a statistical analysis was performed on the DCHF-1 correlation without the 59 points. Results of this study are presented in Table 2. Table 3 shows the DCHF-1 statistics with the 59 points as given in the DPC-NE-2000 topical report. Tables 2 and 3 clearly show that the exclusion of the 59 points will have a very negligible effect on the DCHF-1 correlation.

If we may be of further assistance, please call Scott Gewehr at (704) 373-7581.

Very truly yours,



H. B. Tucker

SAG165/lcs

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