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May 11, 1992

BY FEDERAL EXPRESS

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In the Matter of
ALABAMA POWER COMPANY
(Joseph M. Farley Nuclear Plant, Units 1 and 2)
Docket Nos.: 50-348-CivP; 50-364-CivP ASLBP No. 91-626-02-CivP

Dear Administrative Judges:

Pursuant to the Licensing Board's Memorandum and Order (Requesting Information from Alabama Power Company), dated May 7, 1992, enclosed is a copy of CONAX IPS-107 in its entirety. This is the report from which APCo Exhibit 53 is extracted.

We have opted to supply the Licensing Board with a copy of the complete report for the Licensing Board's information. However, to more readily understand the test data plotted in APCo Exhibit 53, the Board's attention is specifically directed as follows:

- APCo Exhibit 53 (the test plot) appears in Appendix E, Graph No. 1 (page 1 of 12).

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- The relevant data points are on the bottom curve, for 16 AWG Terminal Blocks, radiated and aged. Although not all data points are valid or relied upon, the points of interest are for test numbers 9 through 18 (DBA and post-DBA).
- The raw test data ("Report Data" sheets) for these test numbers are in Appendix B. The Report Data sheets of interests are those for a 16 AWG "Conductor Size," with "Test Cond. No." TE1-01 through TE1-06. The Report Data sheet will also note that it is "DLA Phase II Test Data."
- The recorded test numbers corresponding to the data points plotted in APCo Exhibit 53 are in the upper right hand corner of the Report Data sheets. "No. 9" through "No. 18" (for TE1-01 through TE1-06) again are the data sheets of interest. These sheets appear in roughly the second half of Appendix B.
- The plct in APCo Exhibit 53 (Graph No. 1) is a minimum value from the data for TE1-01 through TE1-06 for each recorded test data number.
- The Report Data sheet shows the "ambient chamber temperature" for the particular recorded test data.
- The testing and test methodology are obviously described in the text of the test report. Table 1 on page 3 shows that many equipment items were tested. Again, the terminal blocks of interest were item A in the table, with penetration type 1A (#16 AWG). The code of TE1-01 through TE1-06 is defined in Figure 1 of Appendix A. (See also ¶ 4.1.1., page 4, which identifies all terminal blocks as Connectron NSS3.)
- ¶ 6.1, page 9, describes in general the test numbers which are shown on the horizontal axis of the graphs, including APCo Exhibit 53.

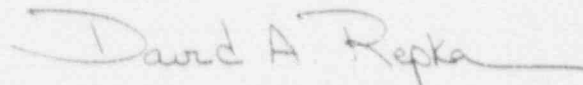
Although we are aware that the NRC Staff's expert witness on the terminal block issue already has a copy of this report, we are providing a copy to NRC Staff counsel at this time.

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Finally, we note that the Licensing Board's Memorandum and Order allows that "[i]n the event the staff has any comments regarding the completeness of the explanatory material supplied to the Board by APCo, it should provide those comments" Alabama Power Company understands this invitation to be limited to completeness; in our view it should not encompass or authorize new commentary on IPS-107 or APCo Exhibit 53.

Very truly yours,



David A. Repka

Counsel for
Alabama Power Company

cc: Eugene J. Holler, Esq.
(with enclosure)
Service List (w/out enclosure)