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**TENNESSEE VALLEY AUTHORITY
FOSSIL POWER ENGINEERING SERVICE
KINGSTON FOSSIL PLANT
STUDY FOR DEVELOPING GYPSUM STACK ON THE PENINSULA SITE
PHASE 1B
TAO-0323, PCN N/A**

December 8, 2005
PP-1012-DL-C

Mr. Ron Purkey
Tennessee Valley Authority
1101 Market Street
Chattanooga, Tennessee 37402-2801

Dear Mr. Purkey:

In accordance with your recent instructions we are forwarding herewith two (2) copies each of the following calculations recently completed or in progress and have stopped further work:

1. Settlement of Final Stack Calc No. FPGKIFFESCDX00030020050004.
2. Preliminary Slope Stability Analysis Calc No. FPGKIFFESCDX00030020050003.

The calculation for "Settlement of Final Stack" has been checked and is considered final. The calculation "Preliminary Slope Stability Analysis" is essentially complete but only partially checked. This calculation is based on assumed strength data as well as other approximations.

The results of laboratory testing by MACTEC for site specific shear strengths are expected in approximately 2-3 weeks. The final slope stability analyses should take into account the site specific values.

If you have any questions, please call me at (423) 757-8023.

Very truly yours,

William M. Lytle.

CC: Lynn Petty LP 2G-C
Project File

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