February 11, 2004

MEMORANDUM

From: William H. Maxwell
CG/ESD (C439-01)

To: Utility MACT Project Files

Subject: Analysis of variability in determining MACT floor for coal-fired electric utility steam generating units – Errata sheet

In a memorandum dated November 26, 2003 (E-DOCKET entry OAR-2002-0056-0006), the following paragraph may be found on the bottom of page 4:

> The control configuration of each of the best performing units identified was identified. The Hg removal fraction and test coal Cl concentrations were obtained from the ICR database for each of the units in the database that have one of the identified control configurations. Finally, a correlation equation was derived for each identified control configuration by fitting the following mathematical expression to the Hg removal fractions and corresponding Cl concentrations obtained from the ICR stack test database.

However, the "mathematical expression" noted in the last sentence was not included in the memorandum. The mathematical expression is as follows:

$$F_r = 1 - [\beta \exp(-\alpha C_{Cl})]$$

where:

F_r = fraction of mercury removed during the test
C_{Cl} = chlorine concentration in the test coal (ppm)

{For clarification, the mathematical expression is:
F_r = One minus the product of (beta) and the quantity ["e" raised to the (-alpha*C_{Cl}) power].}