MEMORANDUM

TO: EPA-HQ-OAR-2002-0056

FROM: William H. Maxwell, Energy Strategies Group, Office of Air Quality Planning and Standards, EPA (D243-01)

DATE: May 31, 2006

SUBJECT: Comparison of mercury-in-coal contents of coals used during the speciated mercury emission testing with that of the full year’s coals for the same plants

Attached are graphs plotting the mercury-in-coal contents of the coals reported by units identified as employing best demonstrated technology (BDT) in units of parts per million (ppm) and pounds mercury per trillion British thermal units (lb/TBtu). Also identified is the average mercury-in-coal value reported for the period of the speciated mercury emission tests conducted at each facility. All data are from the 1999 information collection request (ICR) activity.
Mecklenburg test coal mercury: 0.10 ppm

Mecklenburg test coal mercury: 9.9 lb/TBtu
SEI-Birchwood test coal mercury: 0.11 ppm

SEI-Birchwood test coal mercury: 8.7 lb/TBtu
Logan test coal mercury: 0.18 ppm

Logan test coal mercury: 12.1 lb/TBtu
Clover test coal mercury: 0.16 ppm
Intermountain test coal mercury: 0.0233 ppm
Collier test coal mercury: 0.03 ppm

Collier test coal mercury: 1.7 lb/TBtu
Clay Boswell test coal mercury: 0.06 ppm

Clay Boswell test coal mercury: 3.7 lb/TBtu
Comanche test coal mercury: 0.09 ppm

Comanche test coal mercury: 7.0 lb/TBtu
AES-Hawaii test coal mercury: 0.03 ppm

AES-Hawaii test coal mercury: 1.0 lb/TBtu
Craig test coal mercury: 0.01 ppm

Craig test coal mercury: 1.1 lb/TBtu
Sherburne County test coal mercury: 0.08 ppm

Sherburne County test coal mercury: 7.9 lb/TFbtu
Rawhide test coal mercury: 0.07 ppm

Rawhide test coal mercury: 11.6 lb/TBtu
R.M. Heskett test coal mercury: 0.09 ppm

R.M. Heskett test coal mercury: 7.9 lb/TBtu
Coyote test coal mercury: 0.11 ppm

Coyote test coal mercury: 12.9 lb/TBtu
Limestone test coal mercury: 0.139 ppm
Monticello test coal mercury: 0.415 ppm
Antelope Valley test coal mercury: 0.06 ppm

Antelope Valley test coal mercury: 6.3 lb/TBtu
TNP-One test coal mercury: 0.25 ppm

TNP-One test coal mercury: 25.8 lb/TBtu
Stanton test coal mercury: 0.08 ppm

Stanton test coal mercury: 6.3 lb/TBtu
Kline Township Coal Mercury, ppm

Kline Township test coal mercury: 0.33 ppm

Kline Township Coal Mercury, lb/TBtu

Kline Township test coal mercury: 32 lb/TBtu
Scrubgrass test coal mercury: 0.53 ppm

Scrubgrass test coal mercury: 92.5 lb/TBtu