Table 46. Mercury Emission Modification Factors

Configuration			EIA EMFs			EPA EMFs		
SO_2 Control	Particulate Control	NO_x Control	Bit Coal	Sub Coal	Lignite Coal	Bit Coal	Sub Coal	Lignite Coal
None	BH	—	0.11	0.27	1.00	0.11	0.26	1.00
Wet	BH	None	0.05	0.27	0.64	0.03	0.27	1.00
Wet	BH	SCR	0.10	0.27	0.64	0.10	0.15	0.56
Dry	BH	—	0.05	0.75	1.00	0.05	0.75	1.00
None	CSE	—	0.64	0.97	1.00	0.64	0.97	1.00
Wet	CSE	None	0.34	0.73	0.58	0.34	0.84	0.56
Wet	CSE	SCR	0.10	0.73	0.58	0.10	0.34	0.56
Dry	CSE	—	0.64	0.65	1.00	0.64	0.65	1.00
None	HSE/Oth	—	0.90	0.94	1.00	0.90	0.94	1.00
Wet	HSE/Oth	None	0.58	0.80	1.00	0.58	0.80	1.00
Wet	HSE/Oth	SCR	0.42	0.76	0.64	0.10	0.75	1.00
Dry	HSE/Oth	—	0.60	0.85	1.00	0.60	0.85	1.00

Notes: SO_2 Controls - Wet = Wet Scrubber and Dry = Dry Scrubber, Particulate Controls, BH - fabric filter/baghouse. CSE = cold side electrostatic precipitator, HSE = hot side electrostatic precipitator, NO_x Controls, SCR = selective catalytic reduction, — = not applicable, Bit = bituminous coal, Sub = subbituminous coal. The NO_x control system is not assumed to enhance mercury removal unless a wet scrubber is present, so it is left blank in such configurations.

Sources: EPA, EMFs. http://www.epa.gov/clearskies/technical.html EIA EMFs not from EPA: Lignite EMFs, Mercury Control Technologies for Coal-Fired Power Plants, presented by the Office of Fossil Energy on July 8, 2003. Bituminous coal mercury removal for a Wet/HSE/Oth/SCR configured plant, Table EMF1, Analysis of Mercury Control Cost and Performance, Office of Fossil Energy & National Energy Technology Laboratory, U.S. Department of Energy, January 2003, Washington, DC.