

February 5, 2002

TO: Utility MACT Workgroup

FROM: Ranking Subgroup (Praveen Amar, Pat Raheer, Felice Stadler)

**TABLE 1: Boilers Ranked by % Mercury Removed**

Plant name	Unit name	Boiler Type	PM control	FGD	Fuel in test	f remove coal-stack	F factor lb/TBtu out control
Kline Township Cogen Facility	GEN1	FBC	BAGHOUSE		WASTE B	99.95%	0.0816
Scrubgrass Generating Company L.P.	GEN1	FBC	BAGHOUSE		WASTE B	99.92%	0.0936
Mecklenburg Cogeneration Facility	GEN 1	PC	BAGHOUSE		B	98.51%	0.1062
Logan Generating Plant	GEN 1	PC	BAGHOUSE		B	97.84%	0.2801
SEI - Birchwood Power Facility	1	PC	BAGHOUSE		B	97.20%	0.2379
Clover Power Station	2	PC	BAGHOUSE	Y	B	96.71%	0.3529
Dwayne Collier Battle Cogeneration Facility	2B	STOKER	BAGHOUSE		B	95.20%	0.1074
Stockton Cogen Company	GEN1	FBC	BAGHOUSE		B/PET	89.27%	0.1316
W.H. Sammis	1	PC	BAGHOUSE		B	87.16%	0.8291
Clay Boswell	2	PC	BAGHOUSE		SB	86.03%	0.6633
Charles R. Lowman	2	PC	ESP-HS	Y	B	83.97%	0.9706
Intermountain	2SGA	PC	BAGHOUSE	Y	B	83.84%	0.2466
Salem Harbor	3	PC	ESP-CS		B	82.98%	0.3348
Big Bend	BB03	TURBO	ESP-CS	Y	B	82.35%	1.5652
AES Hawaii, Inc.	A	FBC	BAGHOUSE		SB	78.80%	0.4606
Valmont	5	PC	BAGHOUSE		B	77.33%	0.1268
Laramie River Station	1	PC	ESP-CS	Y	SB	73.38%	3.0184
AES Cayuga (NY) (formerly NYSEG Milliken)	2	PC	ESP-CS	Y	B	72.05%	2.0652
Meramec	4	PC	ESP-CS		SB/B	71.16%	1.7255
Laramie River Station	3	PC	ESP-CS		SB	70.38%	3.3411
Comanche	2	PC	BAGHOUSE		SB	65.77%	2.5931
Antelope Valley Station	B1	PC	BAGHOUSE		L	65.74%	4.0042
Monticello	3	PC	ESP-CS	Y	L	65.13%	18.3232
Cholla	3	PC	ESP-HS		SB	64.20%	1.2066
Presque Isle	5	PC	ESP-CS		B/PET	62.82%	1.2622
TNP-One	U2	FBC	BAGHOUSE		L	59.20%	10.8596
Bailly	7	CYCLONE	ESP-CS	Y	B	58.61%	2.2306
Presque Isle	6	PC	ESP-CS		B/PET	58.02%	1.2217
Sam Seymour	3	PC	ESP-CS	Y	SB	56.24%	8.6353
R.M. Heskett Station	B2	FBC	ESP-CS		L	56.14%	3.9768
Nelson Dewey	1	CYCLONE	ESP-HS		SB/PET	55.57%	2.1349
Shawnee Fossil Plant	3	PC	BAGHOUSE		B/SB	49.74%	1.0507
R.D. Morrow, Sr. Generating Plant	2	PC	ESP-HS	Y	B	45.67%	2.1269
Stanton Station	1	PC	ESP-CS		L	44.09%	6.9024
La Cygne	1	CYCLONE	PARTSCRUB	Y	SB	42.70%	5.5140
St. Clair Power Plant	4	PC	ESP-CS		SB/B	36.49%	3.9076
Montrose	1	PC	ESP-CS		SB	35.72%	5.8573
Polk Power	1	COAL GAS	NONE		B	33.99%	5.4713
Wabash River Generating Station	1 + 1A	COAL GAS	NONE		B	32.53%	5.3343
Brayton Point	3	PC	ESP-CS		B	31.11%	3.6979
Coronado	U1B	PC	ESP-HS	Y	SB	30.61%	2.4468
Widows Creek Fossil Plant	6	PC	ESP-CS		B	29.91%	1.3986
Brayton Point	1	PC	ESP-CS		B	24.56%	3.2000

Jack Watson	4	PC	ESP-CS		B	24.47%	2.9333
Cholla	2	PC	MECH/PARTSCRUB	Y	SB	24.36%	3.1864
Craig	C1	PC	ESP-HS	Y	SB	23.67%	1.4456
George Neal South	4	PC	ESP-CS		SB	21.94%	7.7269
Lewis & Clark	B1	PC	PARTSCRUB		L	19.95%	10.8315
Jim Bridger	BW 74	PC	ESP-CS	Y	SB	19.49%	4.7040
San Juan	2	PC	ESP-HS	Y	SB	17.47%	4.2854
Colstrip	3	PC	PARTSCRUB	Y	SB	14.72%	5.7264
Craig	C3	PC	BAGHOUSE		SB	12.81%	0.7248
Coyote	1	CYCLONE	BAGHOUSE		L	12.11%	7.9523
Clay Boswell	4	PC	PARTSCRUB	Y	SB	11.40%	4.4550
Dunkirk	2	PC	ESP-HS		B	10.19%	6.8030
Big Brown	1	PC	ESP-CS/BAGHOUSE		L	10.02%	30.0889
Presque Isle	9	PC	ESP-HS		SB	9.93%	5.0738
Bruce Mansfield	1	PC	PARTSCRUB		B	7.99%	7.0985
Port Washington	4	PC	ESP-CS		B	1.18%	6.6916
Clay Boswell	3	PC	PARTSCRUB	Y	SB	0.17%	4.0454
GRDA	2	PC	ESP-CS		SB/B	-0.97%	8.6918
Stanton Station	10	PC	BAGHOUSE		L	-7.01%	6.2517
Limestone	LIM1	PC	ESP-CS	Y	L	-7.50%	13.6612
Sherburne County Generating Plant	#3	PC	BAGHOUSE		SB	-9.70%	7.5401
Cliffside	1	PC	ESP-HS		B	-12.43%	4.3223
Leland Olds Station	2	CYCLONE	ESP-CS		L	-12.79%	4.0233
Gibson Generating Station (1099)	3	PC	ESP-CS		B	-16.88%	9.7452
Newton	2	PC	ESP-CS		SB	-19.16%	6.9877
Monticello	1	PC	ESP-CS/BAGHOUSE		L	-20.37%	55.8686
Navajo	3	PC	ESP-HS	Y	B	-20.46%	2.7359
Lawrence	4	PC	PARTSCRUB	Y	SB	-23.17%	5.1181
Columbia	1	PC	ESP-HS		SB	-25.22%	10.3097
Rawhide	101	PC	BAGHOUSE		SB	-25.64%	7.7630
Clifty Creek	6	PC	ESP-HS		SB/B	-30.49%	6.8745
Gaston	1	PC	ESP-HS		B	-39.98%	6.0738
Bay Front Plant	5	CYCLONE	MECH		B	-47.37%	3.5792
Platte	1	PC	ESP-HS		SB	-67.53%	10.6121
Valley	2	PC	BAGHOUSE		B/PET	-108.60%	1.6630
Wyodak	BW 91	PC	ESP-CS		SB	-144.00%	7.0701
Gibson Generating Station (0300)	3	PC	ESP-CS		B	-201.04%	29.0614

**TABLE 2: Comparison of Top 10 Boilers (% Mercury Removed and lbs/TBtu)**

Rank	Plant name	Boiler Type	PM control	FG D	Fuel in test	f remove coal-stack	Plant name	Boiler Type	PM control	FG D	Fuel in test	F factor lb/TBtu out control
1	Kline Township Cogen Facility	FBC	BAGHOUSE		WASTE B	99.95%	Kline Township Cogen Facility	FBC	BAGHOUSE		WASTE B	0.0816
2	Scrubgrass Generating Company L.P.	FBC	BAGHOUSE		WASTE B	99.92%	Scrubgrass Generating Company L.P.	FBC	BAGHOUSE		WASTE B	0.0936
3	Mecklenburg Cogeneration Facility	PC	BAGHOUSE		B	98.51%	Mecklenburg Cogeneration Facility	PC	BAGHOUSE		B	0.1062
4	Logan Generating Plant	PC	BAGHOUSE		B	97.84%	Dwayne Collier Battle Cogeneration Facility	STOKER	BAGHOUSE		B	0.1074
5	SEI - Birchwood Power Facility	PC	BAGHOUSE		B	97.20%	Valmont	PC	BAGHOUSE		B	0.1268
6	Clover Power Station	PC	BAGHOUSE	Y	B	96.71%	Stockton Cogen Company	FBC	BAGHOUSE		B/PET	0.1316
7	Dwayne Collier Battle Cogen Facility	STOKER	BAGHOUSE		B	95.20%	SEI - Birchwood Power Facility	PC	BAGHOUSE		B	0.2379
8	Stockton Cogen Company	FBC	BAGHOUSE		B/PET	89.27%	Intermountain	PC	BAGHOUSE	Y	B	0.2466
9	W.H. Sammis	PC	BAGHOUSE		B	87.16%	Logan Generating Plant	PC	BAGHOUSE		B	0.2801
10	Clay Boswell	PC	BAGHOUSE		SB	86.03%	Salem Harbor	PC	ESP-CS		B	0.3348