A-90-45
VIII-B-6

EASTERN RESEARCH GROUP, INC.

MEMORANDUM

EPA AIR DOCKET

TO: Walt Stevenson, EPA/Combustion Group

FROM: Jason Huckaby, Eastern Research Group, Inc

DATE: June 12, 2002

SUBJECT: 2000 National Inventory of Large Municipal Waste Combustion (MWC) Units

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This memorandum presents a year 2000 national inventory of large municipal waste combustion (MWC) units. This inventory is an update of the earlier 1995 inventory of large MWCs[1]. This 2000 inventory represents MWC units that are affected by the Subpart Cb emission guidelines for large MWC units[2]. The Subpart Cb emission guidelines were adopted December 19, 1995. States where large MWCs are located were required under Section 129 of the Clean Air Act (CAA) to adopt and implement a State plan that assures all large MWC units in the State are in compliance with the emission guidelines by December 19, 2000. Many States adopted State plans, as listed in 40 CFR part 62. EPA adopted a Federal plan to assure compliance for large MWC units not covered by an approved State plan.[3] In this inventory and Subpart Cb, a large MWC unit is defined as an MWC unit with a municipal solid waste (MSW) combustion capacity greater than 250 tons per day.

This 2000 national inventory is based on updated data submitted by large MWC units following maximum achievable control technology (MACT) compliance in December 2000. In creating the 2000 inventory, the previous large MWC database was updated including changes to reflect MWC plant closings, combustor type, combustion unit capacity, and air pollution control device used in year 2000 to comply with MACT requirements.

Table A-1 provides summary information for each MWC type. In 2000, the large MWC category contains 167 units distributed into two groups of combustion unit types as follows: 133 mass burn units and 34 refuse-derived fuel units. Table A-2 shows the change that has occurred in the large MWC population since 1995.

Table B presents the MWC-specific data for year 2000 for this large MWC unit national inventory. This includes: plant location, plant capacity, number of large MWC units at each plant. large MWC unit capacity, large MWC unit type, air pollution control equipment, construction date, and start-up date. There are 167 large MWC units in the 2000 inventory located at 66 MWC plants with a total national operating capacity of 89,477 tons per day MSW. Compared to the 1995 large MWC national inventory[1], this shows a 2 percent increase in the number of large MWC units (from 164 to 167), a 5 percent increase in the number of plants (from 63 to 66 plants), and a 1 percent increase in capacity (from 88,652 to 89,477 tpd) for large MWC units.

By location, the States with the most large MWC units are Florida (29 units), New York (18 units), and Pennsylvania (16 units), and Massachusetts (6 units). On a regional basis, the EPA regions with the most large MWC units are EPA Region 4 (39 units), Region 3 (33 units), and Region 1 (31 units)[4].

Attachment 1 provides a list of acronyms used in Table B.

References

1. Memorandum from Laurie Cone and Colleen Kane, Eastern Research Group, Inc. to Walt Stevenson, EPA. "Large and Small MWC Units in the 1995 MWC Inventory Database." July 7, 1997. (Docket A-90-45; Item VI-B-2).

2. *Emission Guidelines and Compliance Times for Large Municipal Waste Combustion Units Constructed on or Before September 20, 1994.* 40 CFR part 60, Subpart Cb or 60 FR 65415. December 19, 1995.

3. *Federal Plan Requirements for Large Municipal Waste Combustors Constructed on or before September 20, 1994.* 40 CFR part 62, Subpart FFF.

4. See Attachment 2 for EPA Region Listing.

Table A-1: Summary of the National Inventory of Large MWC Units for year 2000 (Distributed into types of large MWC units)

Large MWC Unit Type	Number of Large MWC Plants	Number of Large MWC Units	Capacity (tpd)	Percent Capacity of Total
Mass burn	53	133	67,968	76%
Refuse-derived fuel	13	34	21,509	24%
Total :	66	167	89,477	–

Mass burn includes mass burn-water wall, mass burn-refractory, and mass burn-rotating combustion units.
Refuse-derived fuel includes all combustion units that combust refuse-derived fuel.

Table A-2: Summary of the National Inventory of Large MWC Units for years 1995 and 2000

Year	Number of Large MWC Plants	Number of Large MWC Units	Capacity (tpd)
1995	63	164	88,652
2000	66	167	89,477

Table B: National Inventory of Large Municipal Waste Combustion Units for year 2000[a]

EPA Region	State	Reference Name	Facility Name	County	Total Plant Capacity (TPD)	Number of Large MWC Units	Large MWC Unit Capacity (TPD)	Large MWC Unit Type	Air Pollution Control Device	Const Start	Unit Start
1	CT	Bridgeport	Wheelabrator Bridgeport, L.P.	Fairfield	2250	3	750	MB/WW	SD/FF/CI	1985	1988
1	CT	Bristol RRF	Bristol RRF	Hartford	650	2	325	MB/WW	SD/FF/CI/SNCR	1985	1988
1	CT	Wheelabrator Lisbon Inc.	Wheelabrator Lisbon Inc.	New London	500	2	250	MB/WW	SD/FF/CI/SNCR		1995
1	CT	Hartford Co. (CT)	Mid-Connecticut RRF	Hartford	2025	3	675	RDF	SD/FF/SNCR	1985	1988
1	CT	New London/Preston	Southeastern Connecticut RRF	New London	690	2	345	MB/WW	SD/FF/CI		1992
1	MA	Haverhill RRF	Haverhill RRF	Essex	1650	2	825	MB/WW	SD/FF/CI/SNCR	1986	1989
1	MA	North Andover RESCO	Wheelabrator North Andover Inc.	Essex	1500	2	750	MB/WW	SD/FF/CI/SNCR	1982	1985
1	MA	Saugas RESCO	Wheelabrator Saugus, J.V.	Essex	1500	2	750	MB/WW	SD/FF/CI/SNCR	1972	1975
1	MA	SEMASS/Rochester	SEMASS RRF	Plymouth	3000	3	1000	RDF	SD/ESP/CI[b]	1985	1988
1	MA	Wheelabrator Millbury	Wheelabrator Millbury	Worcester	1500	2	750	MB/WW	SD/ESP/CI/SNCR	1985	1987
1	ME	Greater Portland Region RRF	Greater Portland Region RRF	Cumberland	500	2	250	MB/WW	SD/ESP/CI/SNCR	1985	1988
1	ME	Biddeford	Maine Energy Recovery	York	600	2	300	RDF	SD/FF/SNCR		1987
1	ME	Penobscot/Orrington	Penobscot Energy Recovery	Penobscot	720	2	360	RDF	SD/FF	1986	1988
1	NH	Concord/Penacook	Wheelabrator Concord	Merrimack	500	2	250	MB/WW	SD/FF/CI/SNCR	1987	1989
2	NJ	Camden RRF	Camden RRF	Camden	1050	3	350	MB/WW	SD/ESP/CI/SNCR	1988	1991
2	NJ	Essex Co./Newark	Essex Co. RRF	Essex	2700	3	900	MB/WW	SD/ESP/CI/SNCR	1988	1990
2	NJ	Gloucester Co./ Westville	Gloucester County	Gloucester	576	2	288	MB/WW	SD/FF/CI/SNCR	1988	1990
2	NJ	Union Co./Rahway	Union Co. RRF	Union	1440	3	480	MB/WW	SD/FF/CI/SNCR	1992	1994
2	NY	Adirondack/Hudson Falls	Adirondack RRF	Washington	500	2	250	MB/WW	SD/ESP/CI		1992
2	NY	Babylon RRF	Babylon RRF	Suffolk	750	2	375	MB/WW	SD/FF/CI/SNCR		1989
2	NY	Hempstead/Westbury	Hempstead	Nassau	2505	3	835	MB/WW	SD/FF/SNCR	1986	1989
2	NY	Huntington/East Northport	Huntington RRF	Suffolk	750	3	250	MB/WW	SD/FF/CI/SNCR	1989	1991
2	NY	Niagara Falls	Niagara Falls	Niagara	2200	2	1100	MB/WW	SD/FF/CI/SNCR	1978	1981
2	NY	Onondaga Co. RRF	Onondaga Co. RRF	Onondaga	990	3	330	MB/WW	SD/FF/CI/SNCR		1995
2	NY	Westchester/Peekskill	Wheelabrator Westchester, L.P.	Westchester	2250	3	750	MB/WW	SD/FF/CI/SNCR	1982	1985
3	MD	Montgomery Co./ Dickerson	Montgomery Co. RRF	Montgomery	1800	3	600	MB/WW	SD/FF/CI/SNCR		1990
3	MD	Southwest RRF RESCO	Wheelabrator Baltimore, L.P.	Independent City	2250	3	750	MB/WW	SD/ESP/CI/SNCR	1982	1985
3	PA	Delaware Valley/ Chester	American Ref-fuel of Delaware Valley	Delaware	2688	6	448	MB/RC	SD/FF	1988	1992
3	PA	Lancaster/Bainbridge	Lancaster County Solid Waste Management Authority	Bainbridge	1200	3	400	MB/WW	SD/FF/CI/SNCR	1989	1991

Table B: National Inventory of Large Municipal Waste Combustion Units for year 2000[a]

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1	CT	Wheelabrator Lisbon Inc.	Wheelabrator Lisbon Inc.	New London	500	2	250	MB/WW	SD/FF/CI/SNCR		1995
1	CT	Hartford Co. (CT)	Mid-Connecticut RRF	Hartford	2025	3	675	RDF	SD/FF/SNCR	1985	1988
1	CT	New London/Preston	Southeastern Connecticut RRF	New London	690	2	345	MB/WW	SD/FF/CI		1992
1	MA	Haverhill RRF	Haverhill RRF	Essex	1650	2	825	MB/WW	SD/FF/CI/SNCR	1986	1989
1	MA	North Andover RESCO	Wheelabrator North Andover Inc.	Essex	1500	2	750	MB/WW	SD/FF/CI/SNCR	1982	1985
1	MA	Saugas RESCO	Wheelabrator Saugus, J.V.	Essex	1500	2	750	MB/WW	SD/FF/CI/SNCR	1972	1975
1	MA	SEMASS/Rochester	SEMASS RRF	Plymouth	3000	3	1000	RDF	SD/ESP/CI[b]	1985	1988
1	MA	Wheelabrator Millbury	Wheelabrator Millbury	Worcester	1500	2	750	MB/WW	SD/ESP/CI/SNCR	1985	1987
1	ME	Greater Portland Region RRF	Greater Portland Region RRF	Cumberland	500	2	250	MB/WW	SD/ESP/CI/SNCR	1985	1988
1	ME	Biddeford	Maine Energy Recovery	York	600	2	300	RDF	SD/FF/SNCR		1987
1	ME	Penobscot/Orrington	Penobscot Energy Recovery	Penobscot	720	2	360	RDF	SD/FF	1986	1988
1	NH	Concord/Penacock	Wheelabrator Concord	Merrimack	500	2	250	MB/WW	SD/FF/CI/SNCR	1987	1989
2	NJ	Camden RRF	Camden RRF	Camden	1050	3	350	MB/WW	SD/ESP/CI/SNCR	1988	1991
2	NJ	Essex Co./Newark	Essex Co. RRF	Essex	2700	3	900	MB/WW	SD/ESP/CI/SNCR	1988	1990
2	NJ	Gloucester Co./ Westville	Gloucester County	Gloucester	576	2	288	MB/WW	SD/FF/CI/SNCR	1988	1990
2	NJ	Union Co./Rahway	Union Co. RRF	Union	1440	3	480	MB/WW	SD/FF/CI/SNCR	1992	1994
2	NY	Adirondack/Hudson Falls	Adirondack RRF	Washington	500	2	250	MB/WW	SD/ESP/CI		1992
2	NY	Babylon RRF	Babylon RRF	Suffolk	750	2	375	MB/WW	SD/FF/CI/SNCR		1989
2	NY	Hempstead/Westbury	Hempstead	Nassau	2505	3	835	MB/WW	SD/FF/SNCR	1986	1989
2	NY	Huntington/East Northport	Huntington RRF	Suffolk	750	3	250	MB/WW	SD/FF/CI/SNCR	1989	1991
2	NY	Niagara Falls	Niagara Falls	Niagara	2200	2	1100	MB/WW	SD/FF/CI/SNCR	1978	1981
2	NY	Onondaga Co. RRF	Onondaga Co. RRF	Onondaga	990	3	330	MB/WW	SD/FF/CI/SNCR		1995
2	NY	Westchester/Peekskill	Wheelabrator Westchester, L.P.	Westchester	2250	3	750	MB/WW	SD/FF/CI/SNCR	1982	1985
3	MD	Montgomery Co./ Dickerson	Montgomery Co. RRF	Montgomery	1800	3	600	MB/WW	SD[c]/FF/CI/SNCR		1990
3	MD	Southwest RRF RESCO	Wheelabrator Baltimore, L.P.	Independent City	2250	3	750	MB/WW	SD/ESP/CI/SNCR	1982	1985
3	PA	Delaware Valley/ Chester	American Ref-fuel of Delaware Valley	Delaware	2688	6	448	MB/RC	SD/FF	1988	1992
3	PA	Lancaster/Bainbridge	Lancaster County Solid Waste Management Authority	Bainbridge	1200	3	400	MB/WW	SD[c]/FF/CI/SNCR	1989	1991

Table B: National Inventory of Large Municipal Waste Combustion Units for year 2000 (Continued)[a]

EPA Region	State	Reference Name	Facility Name	County	Total Plant Capacity (TPD)	Number of Large MWC Units	Large MWC Unit Capacity (TPD)	Large MWC Unit Type	Air Pollution Control Device	Const Start	Unit Start
3	PA	Montgomery Co / Conshohocken	Montenay Montgomery Limited Partnership	Montgomery	1200	2	600	MB/WW	SD/FF/CI/SNCR	1987	1992
3	PA	Falls Township/ Morrisville	Wheelabrator Falls RRF	Bucks	1500	2	750	MB/WW	SD/FF/CI/SNCR		1994
3	PA	York Co./Manchester Township	York County Solid Waste and Refuse Authority	York	1344	3	448	MB/RC	SD/FF/CI/SNCR	1987	1989
3	VA	Alexandria/Arlington RRF	Alexandria/Arlington RRF	Alexandria	975	3	325	MB/WW	SD/FF/CI/SNCR	1985	1988
3	VA	Fairfax Co./Lorton	I-95 Energy RRF	Fairfax	3000	4	750	MB/WW	SD/FF/CI/SNCR	1988	1990
3	VA	Southeastern Public Service Authority	SPSA Waste To Energy Steam & Power Plant	Portsmouth	2000	4	500	RDF	SD/FF	1984	1988
4	AL	Huntsville Refuse-Fired Steam Facility	Huntsville Refuse-Fired Steam Facility	Madison	690	2	345	MB/WW	SD/FF/CI/SNCR	1988	1991
4	FL	North Broward/ Pompano Beach	Wheelabrator North Broward	Broward / Pompano	2250	3	750	MB/WW	SD/FF/CI/SNCR	1989	1992
4	FL	South Broward/Ft. Lauderdale	Wheelabrator South Broward	Broward / Ft. Lauderdale	2250	3	750	MB/WW	SD/FF/CI/SNCR	1989	1991
4	FL	Dade Co/Miami	Dade Co. RRF	Dade	2688	4	672	RDF	SD/FF/CI/SNCR		1982
4	FL	Tampa	Hillsborough Co. RRF	Hillsborough	1200	3	400	MB/WW	SD/FF/CI/SNCR	1985	1987
4	FL	Lake Co./Okahumpka	Lake Co. RRF	Lake	528	2	264	MB/WW	SD/FF/CI/SNCR	1988	1991
4	FL	Lee Co./Ft. Meyers	Lee County Solid Waste RRF	Lee	1200	2	600	MB/WW	SD/FF/CI/SNCR		1994
4	FL	McKay Bay REF	McKay Bay REF	Hillsborough	1000	4	250	MB/WW	SD/FF/CI/SNCR (2 Units) SD/ESP/CI/SNCR (2 Units)[d]	1983	1985
4	FL	North Co./West Palm Beach	North County RRF	West Palm Beach	2000	2	1000	RDF	SD/ESP	1985	1989
4	FL	Pasco Co./Hudson	Pasco County Solid Waste RRF	Pasco	1050	3	350	MB/WW	SD/FF/CI/SNCR	1989	1991
4	FL	Pinellas/St. Petersburg	Pinellas County RRF	Pinellas	3000	3	1000	MB/WW	SD/FF/CI/SNCR	1980	1983
4	GA	Savannah RRF	Savannah RRF	Chatham	500	2	250	MB/WW	SD/FF/CI/SNCR		1987
4	NC	Wilmington (NC)	New Hanover Co. WTE	New Hanover	301	1	301	MB/WW	SD/FF/CI/SNCR		1991
4	SC	Foster Wheeler Charleston RRF	Foster Wheeler Charleston RRF	Charleston	600	2	300	MB/WW	SD/ESP/CI	1987	1989
4	TN	Nashville Thermal Transfer Corp.	Nashville Thermal Transfer Corp.	Davidson	990	3	330	MB/WW	SD/FF/CI/SNCR		1974
5	IN	Indianapolis RRF	Indianapolis RRF	Marion	2361	3	787	MB/WW	SD/FF/CI/SNCR	1986	1988
5	MI	Dearborn Heights	Central Wayne Energy	Wayne	300	1	300	MB/WW	SD/FF/CI/SNCR		1964
5	MI	Greater Detroit RRF	Greater Detroit RRF	Wayne	3300	3	1100	RDF	SD/FF	1986	1988
5	MI	Kent Co./Grand Rapids	Kent Co. WTE Facility	Kent	625	2	312.5	MB/WW	SD/FF/CI/SNCR	1987	1990
5	MN	NSP/Elk River RRF	Great River Energy	Sherburne	750	3	250	RDF	SD/FF		1989

Table B: National Inventory of Large Municipal Waste Combustion Units for year 2000 (Continued)[a]

EPA Region	State	Reference Name	Facility Name	County	Total Plant Capacity (TPD)	Number of Large MWC Units	Large MWC Unit Capacity (TPD)	Large MWC Unit Type	Air Pollution Control Device	Const Start	Unit Start
5	MN	Covanta Energy/CHERC/ Minneapolis	Covanta Hennepin Energy Resource Company, LP	Hennepin	1200	2	600	MB/WW	SD/FF/CI/SNCR	1987	1989
5	MN	NSP/Red Wing	Red Wing Plant	Goodhue	720	2	360	RDF	DSI/FF[c]	1986	1988
5	MN	NSP/Wilmarth Plant	Wilmarth Plant	Blue Earth	720	2	360	RDF	SD/FF/SNCR	1986	1987
5	WI	NSP French Island	LaCrosse Co.	LaCrosse	576	2	288	RDF	DSI/EGB	1980	1988
6	OK	Walter B. Hall RRF (Tulsa)	Walter B. Hall RRF (Tulsa)	Tulsa	1125	3	375	MB/WW	SD/FF/CI/SNCR	1984	1986
9	CA	Commerce Refuse-to-Energy	Commerce Refuse-to-Energy	Los Angeles	360	1	360	MB/WW	SD/FF/SNCR	1985	1987
9	CA	Long Beach SERRF	Long Beach SERRF	Los Angeles	1380	3	460	MB/WW	SD/FF/SNCR	1986	1989
9	CA	Stanislaus (Modesto)	Stanislaus (Modesto)	Stanislaus	800	2	400	MB/WW	SD/FF/CI/SNCR	1986	1989
9	HI	Honolulu/HPOWER	Honolulu Resource Recovery Venture	Honolulu	2160	2	1080	RDF	SD/ESP	1987	1990
10	OR	Marion Co. WTE	Marion Co. WTE	Marion	550	2	275	MB/WW	SD/FF/CI/SNCR	1984	1986
10	WA	Spokane Regional Disposal Facility	Spokane Regional Disposal Facility	Spokane	800	2	400	MB/WW	SD/FF/CI/SNCR	1989	1991

[a] No large MWCs are located in EPA Region 7 or 8.
[b] Also equipped with COHPAC (Compact Hybrid Particulate Collector) system.
[c] Also equipped with FDI (furnace dry sorbent injection) system.
[d] ESP to be replaced with FF in 2001.
[e] Also equipped with supplemental flue gas cooling.

ATTACHMENT 1

List of Acronyms Used in Table B

CI	=	carbon injection (activated carbon)
DSI	=	dry sorbent injection
EA	=	excess-air
ESP	=	electrostatic precipitator
FB	=	fluidized bed
FF	=	fabric filter (baghouse)
MB	=	mass burn
MOD	=	modular combustion
MSW	=	municipal solid waste
MWC	=	municipal waste combustor
RC	=	rotary combustor
RDF	=	refuse-derived fuel
REF	=	refractory-walled combustor
SA	=	starved-air
SD	=	spray dryer (semi-dry scrubber)
SNCR	=	selective non-catalytic reduction
TPD	=	tons per day
WS	=	wet scrubber
WW	=	waterwall

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ATTACHMENT 2

Map of EPA Regions

(available electronically at http://www.epa.gov/epahome/whereyoulive.htm)

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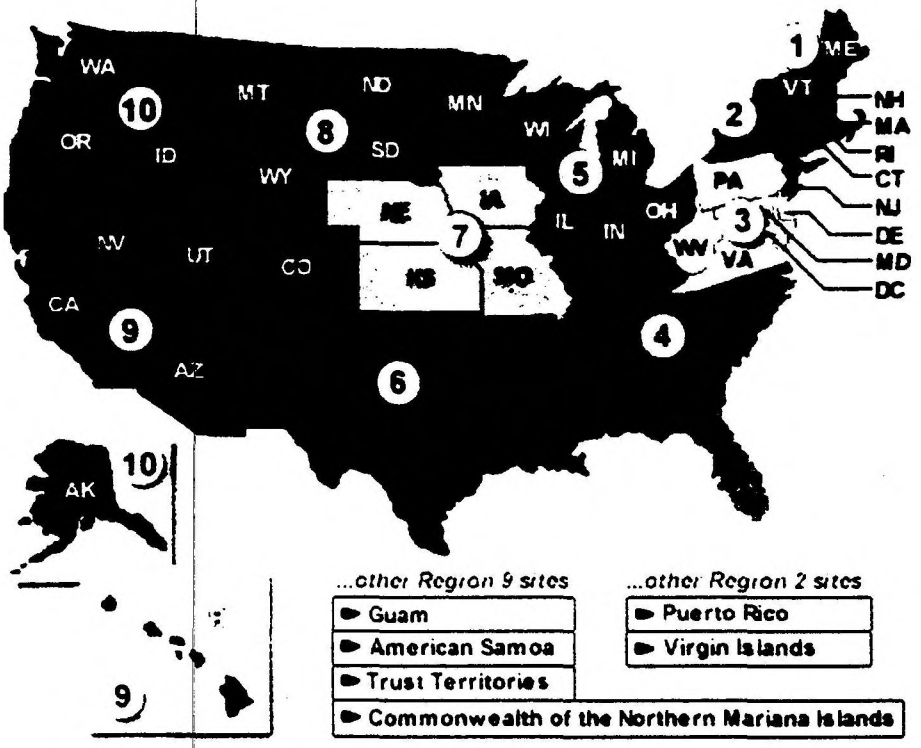
Each EPA Regional Office is responsible within its states for the execution of the Agency's programs. Select a region by clicking within the area of the map covered by the region, or use the links located below the map to go directly to a region.



Region 1 - responsible within the states of Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont.

Region 2 - responsible within the states of New Jersey, New York, Puerto Rico and the U.S. Virgin Islands.

Region 3 - responsible within the states of Delaware, Maryland, Pennsylvania, Virginia, West Virginia, and the District of Columbia.

Region 4 - responsible within the states of Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, and Tennessee.

Region 5 - responsible within the states of Illinois, Indiana, Michigan, Minnesota, Ohio, and Wisconsin.

Region 6 - responsible within the states of Arkansas, Louisiana, New Mexico, Oklahoma, and Texas.

Region 7 - responsible within the states of Iowa, Kansas, Missouri, and Nebraska.

Region 8 - responsible within the states of Colorado, Montana, North Dakota, South Dakota, Utah, and Wyoming.

Region 9 - responsible within the states of Arizona, California, Hawaii, Nevada, and the territories of Guam and American Samoa.

Region 10 - responsible within the states of Alaska, Idaho, Oregon, and Washington.

Last updated on Monday, June 24th, 2002
URL: http://www.epa.gov/epahome/whereyoulive.htm

A-90-45
VIII-B-06

EASTERN RESEARCH GROUP, INC.

A-90-45

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1	CT	Wheelabrator Lisbon Inc.	Wheelabrator Lisbon Inc.	New London	500	2	250	MB/WW	SD/FF/CI/SNCR		1995
1	CT	Hartford Co. (CT)	Mid-Connecticut RRF	Hartford	2025	3	675	RDF	SD/FF/SNCR	1985	1988
1	CT	New London/Preston	Southeastern Connecticut RRF	New London	690	2	345	MB/WW	SD/FF/CI		1992
1	MA	Haverhill RRF	Haverhill RRF	Essex	1650	2	825	MB/WW	SD/FF/CI/SNCR	1986	1989
1	MA	North Andover RESCO	Wheelabrator North Andover Inc.	Essex	1500	2	750	MB/WW	SD/FF/CI/SNCR	1982	1985
1	MA	Saugas RESCO	Wheelabrator Saugus, J.V.	Essex	1500	2	750	MB/WW	SD/FF/CI/SNCR	1972	1975
1	MA	SEMASS/Rochester	SEMASS RRF	Plymouth	3000	3	1000	RDF	SD/ESP/CI[b]	1985	1988
1	MA	Wheelabrator Millbury	Wheelabrator Millbury	Worcester	1500	2	750	MB/WW	SD/ESP/CI/SNCR	1985	1987
1	ME	Greater Portland Region RRF	Greater Portland Region RRF	Cumberland	500	2	250	MB/WW	SD/ESP/CI/SNCR	1985	1988
1	ME	Biddeford	Maine Energy Recovery	York	600	2	300	RDF	SD/FF/SNCR		1987
1	ME	Penobscot/Orrington	Penobscot Energy Recovery	Penobscot	720	2	360	RDF	SD/FF	1986	1988
1	NH	Concord/Penacock	Wheelabrator Concord	Merrimack	500	2	250	MB/WW	SD/FF/CI/SNCR	1987	1989
2	NJ	Camden RRF	Camden RRF	Camden	1050	3	350	MB/WW	SD/ESP/CI/SNCR	1988	1991
2	NJ	Essex Co./Newark	Essex Co. RRF	Essex	2700	3	900	MB/WW	SD/ESP/CI/SNCR	1988	1990
2	NJ	Gloucester Co./ Westville	Gloucester County	Gloucester	576	2	288	MB/WW	SD/FF/CI/SNCR	1988	1990
2	NJ	Union Co./Rahway	Union Co. RRF	Union	1440	3	480	MB/WW	SD/FF/CI/SNCR	1992	1994
2	NY	Adirondack/Hudson Falls	Adirondack RRF	Washington	500	2	250	MB/WW	SD/ESP/CI		1992
2	NY	Babylon RRF	Babylon RRF	Suffolk	750	2	375	MB/WW	SD/FF/CI/SNCR		1989
2	NY	Hempstead/Westbury	Hempstead	Nassau	2505	3	835	MB/WW	SD/FF/SNCR	1986	1989
2	NY	Huntington/East Northport	Huntington RRF	Suffolk	750	3	250	MB/WW	SD/FF/CI/SNCR	1989	1991
2	NY	Niagara Falls	Niagara Falls	Niagara	2200	2	1100	MB/WW	SD/FF/CI/SNCR	1978	1981
2	NY	Onondaga Co. RRF	Onondaga Co. RRF	Onondaga	990	3	330	MB/WW	SD/FF/CI/SNCR		1995
2	NY	Westchester/Peekskill	Wheelabrator Westchester, L.P.	Westchester	2250	3	750	MB/WW	SD/FF/CI/SNCR	1982	1985
3	MD	Montgomery Co./ Dickerson	Montgomery Co. RRF	Montgomery	1800	3	600	MB/WW	SD[c]/FF/CI/SNCR		1996
3	MD	Southwest RRF RESCO	Wheelabrator Baltimore, L.P.	Independent City	2250	3	750	MB/WW	SD/ESP/CI/SNCR	1982	1985
3	PA	Delaware Valley/ Chester	American Ref-fuel of Delaware Valley	Delaware	2688	6	448	MB/RC	SD/FF	1988	1992

Table B: National Inventory of Large Municipal Waste Combustion Units for year 2000 (Continued)[a]

3	PA	Lancaster/Bainbridge	Lancaster County Solid Waste Management Authority	Bainbridge	1200	3	400	MB/WW	SD[c]/FF/CI/SNCR	1989	1991
3	PA	Montgomery Co./ Conshohocken	Montenay Montgomery Limited Partnership	Montgomery	1200	2	600	MB/WW	SD/FF/CI/SNCR	1987	1992
3	PA	Falls Township/ Morrisville	Wheelabrator Falls RRF	Bucks	1500	2	750	MB/WW	SD/FF/CI/SNCR		1994
3	PA	York Co./Manchester Township	York County Solid Waste and Refuse Authority	York	1344	3	448	MB/RC	SD/FF/CI/SNCR	1987	1989
3	VA	Alexandria/Arlington RRF	Alexandria/Arlington RRF	Alexandria	975	3	325	MB/WW	SD/FF/CI/SNCR	1985	1988
3	VA	Fairfax Co./Lorton	I-95 Energy RRF	Fairfax	3000	4	750	MB/WW	SD/FF/CI/SNCR	1988	1990
3	VA	Southeastern Public Service Authority	SPSA Waste To Energy Steam & Power Plant	Portsmouth	2000	4	500	RDF	SD/FF	1984	1988
4	AL	Huntsville Refuse-Fired Steam Facility	Huntsville Refuse-Fired Steam Facility	Madison	690	2	345	MB/WW	SD/FF/CI/SNCR	1988	1991
4	FL	North Broward/ Pompano Beach	Wheelabrator North Broward	Broward / Pompano	2250	3	750	MB/WW	SD/FF/CI/SNCR	1989	1992
4	FL	South Broward/Ft. Lauderdale	Wheelabrator South Broward	Broward / Ft. Lauderdale	2250	3	750	MB/WW	SD/FF/CI/SNCR	1989	1991
4	FL	Dade Co/Miami	Dade Co. RRF	Dade	2688	4	672	RDF	SD/FF/CI/SNCR		1982
4	FL	Tampa	Hillsborough Co. RRF	Hillsborough	1200	3	400	MB/WW	SD/FF/CI/SNCR	1985	1987
4	FL	Lake Co./Okahumpka	Lake Co. RRF	Lake	528	2	264	MB/WW	SD/FF/CI/SNCR	1988	1991
4	FL	Lee Co./Ft. Meyers	Lee County Solid Waste RRF	Lee	1200	2	600	MB/WW	SD/FF/CI/SNCR		1994
4	FL	McKay Bay REF	McKay Bay REF	Hillsborough	1000	4	250	MB/WW	SD/FF/CI/SNCR (2 Units) SD/ESP/CI/SNCR (2 Units)[d]	1983	1985
4	FL	North Co./West Palm Beach	North County RRF	West Palm Beach	2000	2	1000	RDF	SD/ESP	1985	1989
4	FL	Pasco Co./Hudson	Pasco County Solid Waste RRF	Pasco	1050	3	350	MB/WW	SD/FF/CI/SNCR	1989	1991
4	FL	Pinellas/St. Petersburg	Pinellas County RRF	Pinellas	3000	3	1000	MB/WW	SD/FF/CI/SNCR	1980	1983
4	GA	Savannah RRF	Savannah RRF	Chatham	500	2	250	MB/WW	SD/FF/CI/SNCR		1987
4	NC	Wilmington (NC)	New Hanover Co. WTE	New Hanover	301	1	301	MB/WW	SD/FF/CI/SNCR		1991
4	SC	Foster Wheeler Charleston RRF	Foster Wheeler Charleston RRF	Charleston	600	2	300	MB/WW	SD/ESP/CI	1987	1989
4	TN	Nashville Thermal Transfer Corp.	Nashville Thermal Transfer Corp.	Davidson	990	3	330	MB/WW	SD/FF/CI/SNCR		1974
5	IN	Indianapolis RRF	Indianapolis RRF	Marion	2361	3	787	MB/WW	SD/FF/CI/SNCR	1986	1988

Table B: National Inventory of Large Municipal Waste Combustion Units for year 2000 (Continued)[a]

5	MI	Dearborn Heights	Central Wayne Energy	Wayne	300	1	300	MB/WW	SD/FF/CI/SNCR		1964
5	MI	Greater Detroit RRF	Greater Detroit RRF	Wayne	3300	3	1100	RDF	SD/FF	1986	1988
5	MI	Kent Co./Grand Rapids	Kent Co. WTE Facility	Kent	625	2	312.5	MB/WW	SD/FF/CI/SNCR	1987	1990

Table B: National Inventory of Large Municipal Waste Combustion Units for year 2000 (Continued)[a]

5	MN	NSP/ Elk River RRF	Great River Energy	Sherburne	750	3	250	RDF	SD/FF		1989
5	MN	Covanta Energy/CHERC/ Minneapolis	Covanta Hennepin Energy Resource Company, LP	Hennepin	1200	2	600	MB/WW	SD/FF/CI/SNCR	1987	1989
5	MN	NSP/ Red Wing	Red Wing Plant	Goodhue	720	2	360	RDF	DSI/FF[e]	1986	1988
5	MN	NSP/ Wilmarth Plant	Wilmarth Plant	Blue Earth	720	2	360	RDF	SD/FF/SNCR	1986	1987
5	WI	NSP French Island	LaCrosse Co.	La Crosse	576	2	288	RDF	DSI/EGB	1980	1988
6	OK	Walter B. Hall RRF (Tulsa)	Walter B. Hall RRF (Tulsa)	Tulsa	1125	3	375	MB/WW	SD/FF/CI/SNCR	1984	1986
9	CA	Commerce Refuse-to-Energy	Commerce Refuse-to-Energy	Los Angeles	360	1	360	MB/WW	SD/FF/SNCR	1985	1987

Table B: National Inventory of Large Municipal Waste Combustion Units for year 2000 (Continued)[a]

9	CA	Long Beach SERRF	Long Beach SERRF	Los Angeles	1380	3	460	MB/WW	SD/FF/SNCR	1986	1989
9	CA	Stanislaus (Modesto)	Stanislaus (Modesto)	Stanislaus	800	2	400	MB/WW	SD/FF/CI/SNCR	1986	1989
9	HI	Honolulu/HPOWER	Honolulu Resource Recovery Venture	Honolulu	2160	2	1080	RDF	SD/ESP	1987	1990
10	OR	Marion Co. WTE	Marion Co. WTE.	Marion	550	2	275	MB/WW	SD/FF/CI/SNCR	1984	1986
10	WA	Spokane Regional Disposal Facility	Spokane Regional Disposal Facility	Spokane	800	2	400	MB/WW	SD/FF/CI/SNCR	1989	1991

[a] No large MWCs are located in EPA Region 7 or 8.
[b] Also equipped with COHPAC (Compact Hybrid Particulate Collector) system.
[c] Also equipped with FDI (furnace dry sorbent injection) system.
[d] ESP to be replaced with FF in 2001.
[e] Also equipped with supplemental flue gas cooling.

ATTACHMENT 1

List of Acronyms Used in Table B

CI	=	carbon injection (activated carbon)
DSI	=	dry sorbent injection
EA	=	excess-air
ESP	=	electrostatic precipitator
FB	=	fluidized bed
FF	=	fabric filter (baghouse)
MB	=	mass burn
MOD	=	modular combustion
MSW	=	municipal solid waste
MWC	=	municipal waste combustor
RC	=	rotary combustor
RDF	=	refuse-derived fuel
REF	=	refractory-walled combustor
SA	=	starved-air
	=	spray dryer (semi-dry scrubber)
SNCR	=	selective non-catalytic reduction
TPD	=	tons per day
WS	=	wet scrubber
WW	=	waterwall

ATTACHMENT 2

Map of EPA Regions

(available electronically at http://www.epa.gov/epahome/whereyoulive.htm)