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REGULATORY IMPACT ASSESSMENT
FOR PROPOSED HAZARDOUS WASTE
COMBUSTION MACT STANDARDS

DRAFT

APPENDICES

Prepared for:

Office of Solid Waste
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Appendix F

REGULATORY FLEXIBILITY DATA

Appendix F: Comparison of Facility and Parent Revenues and Employment to Small Business Thresholds

Name	City	State	Commer. Facility?	EPA I.D.	On EPA Nov. List?	BRS Tons	Type	Facility-Level Small Business Screen					Parent-Level Small Business Screen										Overall Size Class.	
								F_sic	F_emp	F_sales	F_Test	F_Limit	F_Class	P_name	P_city	P_state	P_sic	P_emp	P_sales	Source	P_Basis	P_Limit		P_Class
Carolina Solite	Norwood	NC	Y	NCD003152642	Y		AGGREGATE KILN	3271	50	7,847,000	E	500	S	SOLITE CORP	RICHMOND	VA	3295	800	80,000,000	ABD/D&B	E	500	L	L
Featherite	Ranger	TX	Y	TXD988040747	Y		AGGREGATE KILN	0	0	0	NA	NA	NA	SOLITE CORP	RICHMOND	VA	3295	800	80,000,000	ABD/D&B	E	500	L	L
Florida Solite	Green Cove Springs	FL	Y	FLD004059085	Y	5073.572	AGGREGATE KILN	5032	5	1,778,000	E	100	S	SOLITE CORP	RICHMOND	VA	3295	800	80,000,000	ABD/D&B	E	500	L	L
Kentucky Solite	Brooks	KY	Y	KYD05868220	Y	4923.75	AGGREGATE KILN	5032	28	9,955,000	E	100	S	SOLITE CORP	RICHMOND	VA	3295	800	80,000,000	ABD/D&B	E	500	L	L
Solite	Cascade	VA	Y	VAD046970521	Y		AGGREGATE KILN	3295	35	7,270,000	E	500	S	SOLITE CORP	RICHMOND	VA	3295	800	80,000,000	ABD/D&B	E	500	L	L
Solite	Arvonvia	VA	Y	VAD042755082	Y	15510.961	AGGREGATE KILN	1429	35	4,954,000	E	500	S	SOLITE CORP	RICHMOND	VA	3295	800	80,000,000	ABD/D&B	E	500	L	L
ThermalKEM, Inc.	Cohoes	NY	Y	NYD080469935	Y		AGGREGATE KILN	5032	50	17,777,000	E	100	S	AMERICAN NUKEM CORP	MAHWAH	NJ	8748	2,110	233,000,000	ABD/D&B	S	3,500,000	L	L
Ash Grove Cement	Foreman	AR	Y	ARD981512270	Y	67575.59	CEMENT KILN	3241	5	1,475,000	E	750	S	ASH GROVE CEMENT CO	SHAWNEE MSN	KS	3241	1,730	275,000,000	ABD/D&B	E	750	L	L
Ash Grove Cement Co.	Chanute	KS	Y	KSD031203318	Y	67630.195	CEMENT KILN	5032	168	59,730,000	E	100	L	ASH GROVE CEMENT CO	SHAWNEE MSN	KS	3241	1,730	275,000,000	ABD/D&B	E	750	L	L
Ash Grove Cement Co.	Louisville	NE	Y	NED007293672	Y	12108.286	CEMENT KILN				NA	NA	NA	ASH GROVE CEMENT CO	SHAWNEE MSN	KS	3241	1,730	275,000,000	ABD/D&B	E	750	L	L
Ash Grove Cement West	Clancy	MT	Y	MTD986067825	Y		CEMENT KILN	3241	84	24,787,000	E	750	S	ASH GROVE CEMENT CO	SHAWNEE MSN	KS	3241	1,730	275,000,000	ABD/D&B	E	750	L	L
Continental Cement Co.	Hannibal	MO	Y	MODO54018288	Y	45623.71	CEMENT KILN	5032	200	71,107,000	E	100	L						ABD	NA	NA	NA	NA	NA
Dieie Cement	Knoxville	TN	Y	TND106203375	Y	8090.52	CEMENT KILN	5032	135	47,997,000	E	100	L						ABD	NA	NA	NA	NA	NA
Essroc Materials, Inc.	Logansport	IN	Y	IND05081542	Y	46598.54	CEMENT KILN	5032	96	34,131,000	E	100	S	ESSROC CORP	NEW PROVIDENCE	NJ	3241	3,200	500,000,000	ABD/D&B	E	750	L	L
Giant Cement	Harleysville	SC	Y	SCD003351699	Y		CEMENT KILN	3241	22	6,492,000	E	750	S	GIANT GROUP LTD	HARLEYVILLE	SC	3241	425	81,900,000	ABD/D&B	E	750	S	S
Heartland Cement Co.	Independence	KS	Y	KSD980739999	Y	4883.8	CEMENT KILN	5032	125	44,442,000	E	100	L						ABD	NA	NA	NA	NA	NA
Holnam	Holly Hill	SC	Y	SCD003368891	Y		CEMENT KILN	3241	232	68,458,000	E	750	S	HOLDERNAM INC	DUNDEE	MI	3241	5,790	946,000,000	ABD/D&B	E	750	L	L
Holnam	Ada	OK	Y	OKD007191240	Y		CEMENT KILN	3241	120	0	E	750	S	HOLDERNAM INC	DUNDEE	MI	3241	5,790	946,000,000	D&B	E	750	L	L
Holnam/Safety Kleen	Clarksville	MO	Y	MODO02929688	Y		CEMENT KILN	3241	208	61,376,000	E	750	S	HOLDERNAM INC	DUNDEE	MI	3241	5,790	946,000,000	ABD/D&B	E	750	L	L
Keystone Cement Co.	Bath	PA	Y	PAD002298559	Y	41018.406	CEMENT KILN	5032	12	40,000,000	E	750	S	GIANT GROUP LTD	HARLEYVILLE	SC	3241	425	81,900,000	D&B	E	750	S	S
Lafarge	Alpena	MI	Y	MID005379607	Y		CEMENT KILN	5032	275	97,772,000	E	100	L	LAFARGE CORP	RESTON	VA	3241	7,600	1,510,000,000	ABD/D&B	E	750	L	L
Lafarge	Paulding	OH	Y	OH0005048947	Y		CEMENT KILN	5032	115	40,887,000	E	100	L	LAFARGE CORP	RESTON	VA	3241	7,600	1,510,000,000	ABD/D&B	E	750	L	L
Lafarge Corp.	Fredonia	KS	Y	KSD007148034	Y		CEMENT KILN	5032	100	35,554,000	E	100	L	LAFARGE CORP	RESTON	VA	3241	7,600	1,510,000,000	ABD/D&B	E	750	L	L
Lone Star Industries	Cape Girardeau	MO	Y	MODO981127919	Y		CEMENT KILN	5032	160	56,886,000	E	100	L	LONE STAR INDUSTRIES INC	STAMFORD	CT	3241	1,500	230,000,000	ABD/D&B	E	750	L	L
Lone Star Industries	Green Castle	IN	Y	IND006419212	Y		CEMENT KILN	5032	150	53,330,000	E	100	L	LONE STAR INDUSTRIES INC	STAMFORD	CT	3241	1,500	230,000,000	ABD/D&B	E	750	L	L
Medusa	Demopolis	AL	Y	ALD067119966	Y		CEMENT KILN	3241	110	0	E	750	S	MEDUSA CORP	CLEVELAND	OH	3241	1,035	181,777,000	D&B/D&B	E	750	L	L
Medusa Cement	Clinchfield	GA	Y	GAD003305513	Y		CEMENT KILN	5032	3	1,067,000	E	100	S	MEDUSA CORP	CLEVELAND	OH	3241	1,035	181,777,000	ABD/D&B	E	750	L	L
Medusa Cement Co.	Wampum	PA	Y	PAD083965897	Y		CEMENT KILN	5032	200	20,000,000	E	100	L	MEDUSA CORP	CLEVELAND	OH	3241	1,035	181,777,000	ABD/D&B	E	750	L	L
National Cement Co.	Lebec	CA	Y	CAD982444887	Y		CEMENT KILN				NA	NA	NA	NATIONAL CEMENT COMPANY	ENCINO	CA	3241	550	119,900,000	ABD/D&B	E	750	S	S
North Texas Cement	Midlothian	TX	Y	TXD007928496	Y	5892.06	CEMENT KILN	3241	115	33,934,000	E	750	S	HANSON INDUSTRIES	ISELIN	NJ	2816	40,100	5,600,000,000	ABD/D&B	E	1,000	L	L
River Cement Co., Selma Plant	Festus	MO	Y	MODO50232560	Y	193301.722	CEMENT KILN	5032	200	71,107,000	E	100	L						ABD	NA	NA	NA	NA	NA
San Juan Cement Co.	Dorado	PR	Y	PRD980526115	Y	6963.225	CEMENT KILN	3241	259	0	E	750	S	ESSROC CORP	NEW PROVIDENCE	NJ	3241	3,200	500,000,000	D&B	E	750	L	L
Southwestern Portland Cement	Fairborn	OH	Y	OH0981195779	Y	3929	CEMENT KILN	5032	200	71,107,000	E	100	L	SOUTHWEST INC	HOUSTON	TX	3241	2,750	507,000,000	ABD/D&B	E	750	L	L
Texas Industries	Midlothian	TX	Y	TXD007349327	Y	28568.2	CEMENT KILN	3273	260	45,274,000	E	500	S	TEXAS INDUSTRIES INC	DALLAS	TX	3312	2,700	601,000,000	ABD/D&B	E	1,000	L	L
United Cement-Holnam	Antesias	NE	Y	NE0077653676	Y		CEMENT KILN	3241	110	32,458,000	E	750	S	HOLDERNAM INC	DUNDEE	MI	3241	5,790	946,000,000	ABD/D&B	E	750	L	L
Dupont	Laplace	LA	N	LAD001890367	Y	13520.32	HALOGEN ACID FURNACE	2824	400	114,574,000	E	1,000	S	DU PONT DE NEMOURS EI & CO	WILMINGTON	DE	2911	133,000	37,800,000,000	ABD/D&B	E	1,500	L	L
3M Chemolite	Cottage Grove	MN	N	MND00612969	Y	16189.062	INCINERATOR	2899	980	0	E	500	L	3M CORP	SAINT PAUL	MN	2672	87,000	13,900,000,000	D&B	E	500	L	L
Aerojet	Sacramento	CA	N	CAD981457302	Y	3764	INCINERATOR	3500	506,093,000	E	1,000	L	GENCORP INC	AKRON	OH	3764	13,900	1,940,000,000	ABD/D&B	E	1,000	L	L	
Air Products & Chemicals	Pausboro	NJ	N	NJD002373579	Y	2819	INCINERATOR	2819	89	0	E	1,000	S	AIR PRODUCTS & CHEMICALS INC	ALLENTOWN	PA	2813	14,500	3,220,000,000	D&B/D&B	E	1,000	L	L
Allied Fibers Corp.	Hopewell	VA	N	VAD063385296	Y	6834.5	INCINERATOR	2824	1,200	0	E	1,000	L	ALLIED SIGNAL INC	MORRISTOWN	NJ	3724	89,300	12,000,000,000	D&B	E	1,000	L	L
American Cyanamid	Palmyra	MO	N	MODO50226075	Y	166197.4	INCINERATOR	2819	420	99,973,000	E	1,000	S	AMERICAN CYANAMID CO	WAYNE	NJ	2834	31,600	5,270,000,000	ABD/D&B	E	750	L	L
American Cyanamid Co.	Willow Island	WV	N	WVD004341491	Y	1344.025	INCINERATOR	2899	2	2,796,000	E	500	S	AMERICAN CYANAMID CO	WAYNE	NJ	2834	31,600	5,270,000,000	ABD/D&B	E	750	L	L
Amoco Lakefront WWIP	Whiting	IN	N	IND000810861	Y	31413.261	INCINERATOR	0	0	0	NA	NA	NA	AMOCO CORP	CHICAGO	IL	2911	54,100	28,200,000,000	D&B	E	1,500	L	L
Anniston Army Depot	Anniston	AL	N	AL3210020027	Y	2222.453	INCINERATOR				NA	NA	NA	FEDERAL					0	E	0	L	L	
Aristech Co.	Colton	CA	N	CAD091933895	Y	1042.25	INCINERATOR	2821	43	26,059,000	E	750	S	DAIICHI KASEI CHEMICALS INC	NEW YORK	NY	5051	1,100	11,800,000,000	ABD/D&B	E	100	L	L
Arkansas Eastman	Batesville	AR	N	ARD088234884	Y	10768.09	INCINERATOR	2899	710	195,437,000	E	500	L	EASTMAN KODAK CO	ROCHESTER	NY	3861	134,000	20,200,000,000	ABD/D&B	E	500	L	L
Ashland Chemical Co.	Los Angeles	CA	N	CAD044046274	Y	1883.53	INCINERATOR	2821	60	0	E	750	S	ASHLAND OIL INC	RUSSELL	KY	2911	33,682	10,256,258,000	D&B	E	1,500	L	L
Atochem	Calvert City	KY	N	KYD006370159	Y	1367.42	INCINERATOR	2819	410	97,592,000	E	1,000	S	ELF AQUITAINE INC	NEW YORK	NY	2819	10,000	3,630,000,000	ABD/D&B	E	1,000	L	L
Atochem	Beaumont	TX	N	TXD074180019	Y	5169	INCINERATOR	5169	70	65,661,000	E	100	S	ELF AQUITAINE INC	NEW YORK	NY	2819	10,000	3,630,000,000	ABD/D&B	E	1,000	L	L
Atochem	Houston	TX	N	TXD080980011	Y	965.62	INCINERATOR	2869	130	70,451,000	E	1,000	S	ELF AQUITAINE INC	NEW YORK	NY	2819	10,000	3,630,000,000	ABD/D&B	E	1,000	L	L
Ausimont U.S.A./Fluorochemicals Plant	Fluorotane	NJ	N	NJD980753875	Y	1293.807	INCINERATOR	2822	100	0	E													

Appendix F: Comparison of Facility and Parent Revenues and Employment to Small Business Thresholds

Name	City	State	Commer. Facility?	EPA I.D.	On EPA Nov. List?	BRS Tons	Type	Facility-Level Small Business Screen						Parent-Level Small Business Screen										Overall Size Class.
								F_sic	F_emp	F_sales	F_Test	F_Limit	F_Class	P_name	P_city	P_state	P_sic	P_emp	P_sales	Source	P_Basis	P_Limit	P_Class	
Celanese Chemical Co.	Seabrook	TX	N	TXD000719286	Y	4196.45	INCINERATOR	4449	7	2,257,000	E	500	S	HOECHST CELANESE CORP	BRIDGEWATER	NJ	2824	31,600	7,040,000,000	ABD/D&B	E	1,000	L	L
Chevron Chemical Co.	Richmond	CA	N	CAD043237486	Y	48558.867	INCINERATOR	2911	250	250,000,000	E	1,500	S	CHEVRON CORP	SAN FRANCISCO	CA	2911	49,200	41,400,000,000	ABD/D&B	E	1,500	L	L
Chevron Chemical Corp.	Belle Chase	LA	N	LAD004199802	Y	103.1	INCINERATOR	0	0	0	NA	NA	NA	CHEVRON CORP	SAN FRANCISCO	CA	2911	49,200	41,400,000,000	ABD/D&B	E	1,500	L	L
Chevron USA	Philadelphia	PA	N	PAD049791098	Y	1847	INCINERATOR	2911	600	100,000,000	E	1,500	S	CHEVRON CORP	SAN FRANCISCO	CA	2911	49,200	41,400,000,000	ABD/D&B	E	1,500	L	L
Ciba-Geigy Corp.	Milpitas	CA	N	ALD001221502	Y	2980.088	INCINERATOR	2879	1,250	0	E	500	L	CIBA GEIGY CORP	ARLSEY	NY	2834	16,200	4,140,000,000	D&B	E	750	L	L
Ciba-Geigy Corp.	St. Gabriel	LA	N	LAD053783445	Y	4333.6	INCINERATOR	2899	500	137,632,000	E	500	L	CIBA GEIGY CORP	ARLSEY	NY	2834	16,200	4,140,000,000	ABD/D&B	E	750	L	L
Cook Composites	Port Washington	WI	N	WID980615439	Y	2823.458	INCINERATOR	5169	100	93,802,000	E	100	L	COOK COMPOSITES & POLYMERS	KANSAS CITY	MO	2821	502	156,491,000	ABD/D&B	E	750	S	L
Cook Composites & Polymers Co.	Chatham	VA	N	VAD055046049	Y	697.333	INCINERATOR	2821	17	10,302,000	E	750	S	COOK COMPOSITES & POLYMERS	KANSAS CITY	MO	2821	502	156,491,000	ABD/D&B	E	750	S	L
Curwood, Inc.	New London	WI	N	WID006144737	Y	73.745	INCINERATOR	3081	500	40,000,000	E	500	L	BEMIS CO	MILNEAPOLIS	MI	2671	7,730	1,180,000,000	ABD/D&B	E	500	L	L
Dow Chemical Co.	La Porte	TX	N	TXD000017556	Y	793.72	INCINERATOR	5169	475	445,560,000	E	100	L	DOW CHEMICAL CO	MIDLAND	MI	2821	62,200	19,000,000,000	ABD/D&B	E	750	L	L
Dow Chemical Co.	Freeport	TX	N	TXD008092793	Y	94016.85	INCINERATOR	2813	7,500	3,151,057,000	E	1,000	L	DOW CHEMICAL CO	MIDLAND	MI	2821	62,200	19,000,000,000	ABD/D&B	E	750	L	L
Dow Chemical Co.	Midland	MI	N	MID000724724	Y	33126.724	INCINERATOR	2869	9,000	0	E	1,000	L	DOW CHEMICAL CO	MIDLAND	MI	2821	62,200	19,000,000,000	D&B	E	750	L	L
Dow Chemical Corp.	Piquemine	LA	N	LAD008187080	Y	26518.9	INCINERATOR	2869	2,500	1,354,828,000	E	1,000	L	DOW CHEMICAL CO	MIDLAND	MI	2821	62,200	19,000,000,000	ABD/D&B	E	750	L	L
Dupont	LaPlace	LA	N	LAD001893367	Y	12520.32	INCINERATOR	2824	400	114,574,000	E	1,000	S	DU PONT DE NEMOURS EI & CO	WILMINGTON	DE	2911	133,000	37,800,000,000	ABD/D&B	E	1,500	L	L
Dupont	Avis	AL	N	ALD093173315	Y	92.377	INCINERATOR	2899	12	3,303,000	E	500	S	DU PONT DE NEMOURS EI & CO	WILMINGTON	DE	2911	133,000	37,800,000,000	ABD/D&B	E	1,500	L	L
Dupont	Parkersburg	WV	N	WVD045875291	Y	2947.7	INCINERATOR	0	0	0	NA	NA	NA	DU PONT DE NEMOURS EI & CO	WILMINGTON	DE	2911	133,000	37,800,000,000	ABD/D&B	E	1,500	L	L
Dupont (BLR)	Orange	TX	N	TXD008079642	Y	110010.5	INCINERATOR	1629	1,500	0	E	500	L	DU PONT DE NEMOURS EI & CO	WILMINGTON	DE	2911	133,000	37,800,000,000	ABD/D&B	E	1,500	L	L
Dupont - Beaumont Works	Beaumont	TX	N	TXD008079212	Y	47486.51	INCINERATOR	2822	1,500	0	E	1,000	L	DU PONT DE NEMOURS EI & CO	WILMINGTON	DE	2911	133,000	37,800,000,000	D&B/D&B	E	1,500	L	L
Dupont - Sabine River Works	Orange	TX	N	TXD008081101	Y	4400.2	INCINERATOR	2821	1,900	1,151,446,000	E	750	L	DU PONT DE NEMOURS EI & CO	WILMINGTON	DE	2911	133,000	37,800,000,000	ABD/D&B	E	1,500	L	L
Dupont Deswater	Deswater	NJ	N	NJD002385730	Y	648.697	INCINERATOR	2829	2,987	1,810,193,000	E	750	L	DU PONT DE NEMOURS EI & CO	WILMINGTON	DE	2911	133,000	37,800,000,000	ABD/D&B	E	1,500	L	L
Dupont Experimental Station	Wilmingon	DE	N	DED003930807	Y	1092.757	INCINERATOR	8733	NA	NA	S	3,500,000	NA	DU PONT DE NEMOURS EI & CO	WILMINGTON	DE	2911	133,000	37,800,000,000	D&B	E	1,500	L	L
Eastman Kodak Park	Rochester	NY	N	NYD980592497	Y	22283.248	INCINERATOR	0	0	0	NA	NA	NA	EASTMAN KODAK CO	ROCHESTER	NY	3861	134,000	20,200,000,000	ABD/D&B	E	500	L	L
Eli Lilly & Co. Clinton Labs	Clinton	IN	N	IND072040348	Y	105459.249	INCINERATOR	5122	1,000	51,000,000	E	100	L	ELI LILLY & CO	INDIANAPOLIS	IN	2834	30,800	6,170,000,000	ABD/D&B	E	750	L	L
Eli Lilly & Co. Tippecanoe Labs	Shadeline	IN	N	IND006050967	Y	73642.302	INCINERATOR	5169	1,600	1,500,832,000	E	100	L	ELI LILLY & CO	INDIANAPOLIS	IN	2834	30,800	6,170,000,000	ABD/D&B	E	750	L	L
Eli Lilly	Mayaquiz	PR	N	PRD091024786	Y	1843	INCINERATOR	0	0	0	NA	NA	NA	ELI LILLY & CO	INDIANAPOLIS	IN	2834	30,800	6,170,000,000	ABD/D&B	E	750	L	L
EPA Research Facility	Jefferson	AR	N	ARE140090006	Y	5.015	INCINERATOR	9711	0	0	E	0	L	FEDERAL			9711	1	0		E	0	L	L
First Chemical Corp.	Pascagoula	MS	N	MSD033417031	Y	2100.8	INCINERATOR	2899	175	48,171,000	E	500	S	FIRST MISSISSIPPI CORP	JACKSON	MS	2873	1,350	525,000,000	ABD/D&B	E	1,000	L	L
FMC Corp.	Baltimore	MD	N	MDD003071875	Y	3467.308	INCINERATOR	2869	310	167,999,000	E	1,000	S	FMC CORP	CHICAGO	IL	2812	22,100	3,970,000,000	ABD/D&B	E	1,000	L	L
General Electric	Waterford	NJ	N	NYD002080034	Y	15	INCINERATOR	5211	1,600	302,619,000	S	3,500,000	L	GENERAL ELECTRIC CO	FAIRFIELD	CT	3724	268,000	57,100,000,000	ABD/D&B	E	1,000	L	L
Georgia Gulf Corp.	Piquemine	LA	N	LAD057117434	Y	11884.03	INCINERATOR	2812	611	24,590,000	E	1,000	S	GEORGIA GULF CORP	FAIRFIELD	CT	2812	1,130	779,000,000	ABD/D&B	E	750	L	L
Glaxo	RTP	NC	N	NCD056555599	Y	5122	INCINERATOR	5122	6,300	2,800,000,000	E	100	L	GLAXO HOLDINGS	NEW YORK	NY	2834	3,850	7,987,000,000	ABD/D&B(i)	E	750	L	L
GSX Chemical Services	Cleveland	OH	N	OHD980569438	Y	4953	INCINERATOR	4953	0	140,000	S	6,000,000	S	LADLAW ENVIRONMENTAL SVC	COLUMBIA	SC	4953	2,550	365,000,000	D&B	S	6,000,000	L	L
Hercules - Franklin	Franklin	VA	N	VAD003122165	Y	3876.5	INCINERATOR	2899	100	27,526,000	E	500	S	HERCULES INC	WILMINGTON	DE	2099	15,419	2,773,000,000	ABD/D&B	E	500	L	L
Hercules Aerospace Company	Magna	UT	N	UTD001705209	Y	154.292	INCINERATOR	5169	1,000	938,020,000	E	100	L	HERCULES INC	WILMINGTON	DE	2099	15,419	2,773,000,000	D&B	E	500	L	L
Hoechst Celanese (BLR)	Pasadena	TX	N	TXD078432457	Y	214137.69	INCINERATOR	5169	1,000	0	NA	NA	NA	HOECHST CELANESE CORP	BRIDGEWATER	NJ	2824	31,600	7,040,000,000	ABD/D&B	E	1,000	L	L
Idaho Natl. Engineering Lab	Idaho Falls	ID	N	ID489008952	Y	8733	INCINERATOR	8733	88	7,302,000	S	3,500,000	L	FEDERAL			9711	7	0	ABD	E	0	L	L
Iowa Army Ammunition	Middletown	IA	N	IA721382045	Y	8.574	INCINERATOR	9711	0	0	E	0	L	FEDERAL			9711	1	0		E	0	L	L
Iowa State University	Ames	IA	N	IA091121486	Y	8221	INCINERATOR	8221	6,000	322,974,000	S	3,500,000	L	FEDERAL			9711	1	0	ABD	NA	NA	NA	L
JACADS	Johnston Island	TT	N	TT057090011	Y	9711	INCINERATOR	9711	0	0	E	0	L	FEDERAL			9711	1	0		E	0	L	L
Kansas Army Ammunition Plant	Parsons	KS	N	KS0213820467	Y	9711	INCINERATOR	9711	0	0	E	0	L	FEDERAL			9711	1	0		E	0	L	L
Lexington Blue-Grass Army Depot	Richmond	KY	N	KY8213820105	Y	9711	INCINERATOR	9711	0	0	E	0	L	FEDERAL			9711	1	0		E	0	L	L
Los Alamos National Lab	Los Alamos	NM	N	NM0990010515	Y	9711	INCINERATOR	9711	0	0	E	0	L	FEDERAL			9711	1	0		E	0	L	L
Lubrizol Corporation	Painesville	OH	N	OHD004172623	Y	6082.967	INCINERATOR	2899	485	0	E	500	S	LUBRIZOL CORP	WICKLIFFE	OH	2899	4,610	1,540,000,000	D&B	E	500	L	L
Lubrizol Corporation	Wickliffe	OH	N	OHD004172565	Y	59.053	INCINERATOR	2869	1,600	1,552,248,000	E	1,000	L	LUBRIZOL CORP	WICKLIFFE	OH	2899	4,610	1,540,000,000	ABD/D&B	E	500	L	L
McDonnell Douglas	St. Charles	MO	N	MDO07589467	Y	363.157	INCINERATOR	3721	NA	NA	E	1,000	NA	MCDONNELL DOUGLAS CORP	ST LOUIS	MO	3721	74,000	17,394,000,000	D&B	E	1,000	L	L
Merck & Co., Inc.	West Point	PA	N	PAD002387926	Y	5122	INCINERATOR	5122	4,975	3,123,400,000	E	100	L	MERCK & CO	WHITE HOUSE STA	NJ	2834	37,700	9,660,000,000	ABD/D&B	E	750	L	L
Merck Chemical Division	Riverside	PA	N	PAD003043353	Y	483.6	INCINERATOR	2833	562	0	E	750	S	MERCK & CO	WHITE HOUSE STA	NJ	2834	37,700	9,660,000,000	D&B	E	750	L	L
Merck, Sharpe, and Dohme	Barceloneta	PR	N	PRD090028101	Y	581.3	INCINERATOR	2834	900	0	E	750	L	MERCK & CO	WHITE HOUSE STA	NJ	2834	37,700	9,660,000,000	D&B	E	750	L	L
Miles	Kansas City	MO	N	MDO05638928	Y	13113.1	INCINERATOR	5169	1,300	1,219,426,000	E	100	L	MILES INC	PITTSBURGH	PA	2821	27,000	6,460,000,000	ABD/D&B	E	750	L	L
Miles Corporation	Baytown	TX	N	TXD056289377	Y	5169	INCINERATOR	5169	8															

Appendix F: Comparison of Facility and Parent Revenues and Employment to Small Business Thresholds

Name	City	State	Commer. Facility?	EPA I.D.	On EPA Nov. List?	BRS Tons	Type	Facility-Level Small Business Screen						Parent-Level Small Business Screen										Overall Size Class.
								F_sic	F_emp	F_sales	F_Test	F_Limit	F_Class	P_name	P_city	P_state	P_sic	P_emp	P_sales	Source	P_Basis	P_Limit	P_Class	
Phillips Research	Bartlesville	OK	N	OKD000803601	Y	696.425	INCINERATOR	8731	900	0	E	500	L	PHILLIPS PETROLEUM CO	BARTLESVILLE	OK	2911	21,300	12,100,000,000	D&B/D&B	E	1,500	L	L
PPG Industries (IF)	West Lake	LA	N	LAD000806506	Y	53416.604	INCINERATOR	0	0	0	NA	NA	NA	PPG INDUSTRIES INC	PITTSBURGH	PA	3211	33,700	5,810,000,000	D&B	E	1,000	L	L
PPG Industries, Inc.	Circleville	OH	N	OHDO004034689	Y	22784.267	INCINERATOR	2821	230	116,000,000	E	750	S	PPG INDUSTRIES INC	PITTSBURGH	PA	3211	33,700	5,810,000,000	ABD/D&B	E	1,000	L	L
Quantum Chemical Corp.	Morris	IL	N	ILD048296180	Y	2819	INCINERATOR	2819	800	190,424,000	E	1,000	S	QUANTUM CHEMICAL CORP	NEW YORK	NY	2821	8,730	2,370,000,000	ABD/D&B	E	750	L	L
Quantum Chemicals	Deer Park	TX	N	TXD0558275130	Y	5436.74	INCINERATOR	2821	800	0	E	750	L	QUANTUM CHEMICAL CORP	NEW YORK	NY	2821	8,730	2,370,000,000	D&B/D&B	E	750	L	L
Raford Army Ammunition Plant	Raford	VA	N	VA1210020730	Y	765.8	INCINERATOR	9711	0	0	E	0	L	FEDERAL	FEDERAL	9711	1	0	0	E	0	L	L	L
RMI Sodium	Ashtabula	OH	N	OHD000810242	Y	14,502	INCINERATOR	3356	100	22,147,000	E	750	S	RMI TITANIUM	NILES	OH	3356	1,000	136,000,000	ABD/D&B	E	750	L	L
Rubicon	Geismar	LA	N	LAD008213191	Y	2865	INCINERATOR	2865	499	NA	E	750	S	NA	NA	NA	NA	NA	NA	NA	E	750	L	L
Sandoz Corp. Protection	Beaumont	TX	N	TXD067261412	Y	1003.89	INCINERATOR	2879	300	152,601,000	E	500	S	SANDOZ CORP	NEW YORK	NY	2834	12,000	1,540,000,000	ABD/D&B	E	750	L	L
Savannah River Site	Alken	SC	N	SC1189003989	Y	202.287	INCINERATOR	9711	0	0	E	0	L	FEDERAL	FEDERAL	9711	1	0	0	E	0	L	L	L
Schenectady International	Schenectady	NY	N	NYD002070118	Y	8451.9	INCINERATOR	0	0	0	NA	NA	NA	SCHENECTADY INTERNATIONAL	SCHENECTADY	NY	2865	580	280,000,000	D&B	E	750	S	L
Searle & Co.	Caguas	PR	N	PRD090378225	Y	2834	INCINERATOR	2834	530	832,968,000	E	750	S	MONSANTO CO	ST LOUIS	MO	2824	39,300	7,760,000,000	D&B	E	1,000	L	L
Searle Pharmaceuticals	Augusta	GA	N	GAD039046800	Y	12489	INCINERATOR	2834	150	47,556,000	E	750	S	MONSANTO CO	ST LOUIS	MO	2824	39,300	7,760,000,000	ABD/D&B	E	1,000	L	L
Seneca Army Depot	Romulus	NY	N	NY0213820830	Y	14893.7	INCINERATOR	9711	0	0	E	0	L	FEDERAL	FEDERAL	9711	1	0	0	E	0	L	L	
SmithKline Chemical Division	Conshohocken	PA	N	PAD098059412	Y	7833.927	INCINERATOR	2911	1,600	1,599,998,000	E	1,500	L	SHELL PETROLEUM INC	WILMINGTON	DE	2911	29,400	17,800,000,000	ABD/D&B	E	1,500	L	L
Squibb	Humacao	PR	N	PRD090021056	Y	25162.3	INCINERATOR	2834	7	630,000	E	750	S	BRISTOL-MYERS SQUIBB CO	NEW YORK	NY	2834	52,600	11,156,000,000	D&B	E	750	L	L
Sterling	Barceloneta	PR	N	PRD991291949	Y	458.123	INCINERATOR	2843	480	0	E	500	S	EASTMAN KODAK CO	ROCHESTER	NY	3861	134,000	20,200,000,000	D&B	E	500	L	L
Sterling Chemicals, Inc.	Texas City	TX	N	TXD008079527	Y	24506	INCINERATOR	2865	947	0	E	750	L	STERLING CHEMICALS INC	HOUSTON	TX	2865	947	431,000,000	D&B/D&B	E	750	L	L
Teledyne Wah-Chang	Albany	OR	N	ORD060955948	Y	13858.4	INCINERATOR	2834	340	0	E	750	S	SMITHKLINE BEECHAM CORP	PHILADELPHIA	PA	2834	21,200	4,913,000,000	D&B	E	750	L	L
Tennessee Eastman	Kingsport	TN	N	TND003376928	Y	373.134	INCINERATOR	2834	160	0	E	750	S	SMITHKLINE BEECHAM CORP	PHILADELPHIA	PA	2834	21,200	4,913,000,000	D&B	E	750	L	L
Texaco Chemical Co.	Port Neches	TX	N	TXD008076846	Y	513.84	INCINERATOR	2992	1,000	444,451,000	E	500	L	TEXACO INC	WHITE PLAINS	NY	1311	40,200	36,800,000,000	ABD/D&B	E	500	L	L
Texaco Chemical Co.	Conroe	TX	N	TXD008076853	Y	2411.64	INCINERATOR	2899	150	41,290,000	E	500	S	TEXACO INC	WHITE PLAINS	NY	1311	40,200	36,800,000,000	ABD/D&B	E	500	L	L
Texas Eastman Co.	Longview	TX	N	TXD007330202	Y	48254.43	INCINERATOR	2869	3,000	1,625,793,000	E	1,000	L	EASTMAN KODAK CO	ROCHESTER	NY	3861	134,000	20,200,000,000	ABD/D&B	E	500	L	L
Texas Instruments	Sherman	TX	N	TXD982759706	Y	3679	INCINERATOR	3679	3,000	370,296,000	E	500	L	TEXAS INSTRUMENTS	DALLAS	TX	3674	60,600	7,440,000,000	ABD/D&B	E	500	L	L
Trade-Thermal Co.	Conshohocken	PA	N	PAD098059419	Y	1.32	INCINERATOR	3589	100	8,000,000	E	500	S	BAKER MATERIAL HANDLING CORP	SUMMERVILLE	SC	5084	300	35,000,000	ABD/D&B	E	500	L	L
U.S. Aberdeen Proving Grounds	Aberdeen	MD	N	MD3210021355	Y	9711	INCINERATOR	9711	1	0	E	0	L	FEDERAL	FEDERAL	9711	1	0	ABD	E	0	L	L	
U.S. Army Hawthorne	Hawthorne	NV	N	NV1210090006	Y	9711	INCINERATOR	9711	0	0	E	0	L	FEDERAL	FEDERAL	9711	1	0	0	E	0	L	L	
U.S. Army Pine Bluff	Pine Bluff	AR	N	AR0213820707	Y	3483	INCINERATOR	3483	1,200	153,330,000	E	1,500	L	FEDERAL	FEDERAL	9711	1	0	ABD	E	0	L	L	
U.S. Army Pueblo Depot	Pueblo	CO	N	CO8213820725	Y	9711	INCINERATOR	9711	0	0	E	0	L	FEDERAL	FEDERAL	9711	1	0	0	E	0	L	L	
U.S. Army Tooele Depot N	Tooele Co.	UT	N	UTS123820894	Y	4,319	INCINERATOR	9711	0	0	E	0	L	FEDERAL	FEDERAL	9711	1	0	0	E	0	L	L	
U.S. Army Tooele Depot S	Tooele Co.	UT	N	UTS210090002	Y	4,662	INCINERATOR	9711	0	0	E	0	L	FEDERAL	FEDERAL	9711	1	0	0	E	0	L	L	
U.S. Army Umatilla Depot	Hermiston	OR	N	OR6213820917	Y	9711	INCINERATOR	9711	0	0	E	0	L	FEDERAL	FEDERAL	9711	1	0	0	E	0	L	L	
U.S. DOE K-25	Oak Ridge	TN	N	TN0890900004	Y	327.37	INCINERATOR	8733	4,007	332,497,000	S	3,500,000	L	FEDERAL	FEDERAL	9711	1	0	ABD	E	0	L	L	
U.S. NASA Martin Marietta	New Orleans	LA	N	LA4800014587	Y	3764	INCINERATOR	3764	3,000	433,794,000	E	1,000	L	MARTIN MARIETTA CORP	BETHESDA	MD	3761	94,000	5,950,000,000	ABD/D&B	E	1,000	L	L
U.S. Navy Surface Warfare	Crane	IN	N	IN5170023498	Y	9711	INCINERATOR	9711	0	0	E	0	L	FEDERAL	FEDERAL	9711	1	0	0	E	0	L	L	
U.T. Southwestern Medical Ctr.	Dallas	TX	N	TXD071378822	Y	8221	INCINERATOR	8221	5,000	505,238,335	S	3,500,000	L	UNIVERSITY OF TEXAS SYSTEM	AUSTIN	TX	8221	67,196	4,741,998,184	D&B/D&B	S	3,500,000	L	L
Union Carbide Corp.	Long Reach	WV	N	WVD004325533	Y	5531.02	INCINERATOR	0	0	0	NA	NA	NA	UNION CARBIDE CORP	DANBURY	CT	2869	16,700	4,880,000,000	D&B	E	1,000	L	L
Union Carbide Corp.	Texas City	TX	N	TXD000461533	Y	16976.6	INCINERATOR	5169	1,500	1,407,030,000	E	100	L	UNION CARBIDE CORP	DANBURY	CT	2869	16,700	4,880,000,000	ABD/D&B	E	1,000	L	L
Union Carbide Corp. Technical	S. Charleston	WV	N	WVD00505483	Y	2593.48	INCINERATOR	2819	1,000	238,030,000	E	1,000	L	UNION CARBIDE CORP	DANBURY	CT	2869	16,700	4,880,000,000	ABD/D&B	E	1,000	L	L
Uniroyl	Geismar	LA	N	LAD008194060	Y	2899	INCINERATOR	2899	250	68,816,000	E	500	S	UCC INVESTORS HOLDING	MIDDLEBURY	CT	2822	3,000	857,000,000	ABD/D&B	E	1,000	L	L
University of Wisconsin-Madison	Arlington	WI	N	WID000713594	Y	8731	INCINERATOR	8731	3	0	E	500	S	UNIVERSITY OF WISCONSIN SYSTEM	MADISON	WI	8221	28,000	2,226,394,285	D&B	S	3,500,000	L	L
Upjohn	Kalamazoo	MI	N	MID000820381	Y	10.81	INCINERATOR	0	0	0	NA	NA	NA	UPJOHN CORP	KALAMAZOO	MI	2834	18,900	3,640,000,000	D&B	E	750	L	L
US DOE Sandia National Labs	Livermore	CA	N	CA2890012923	Y	9711	INCINERATOR	9711	0	0	E	0	L	FEDERAL	FEDERAL	9711	1	0	0	E	0	L	L	
Vesical	Memphis	TN	N	TND007024684	Y	1521.622	INCINERATOR	5169	150	140,703,000	E	100	L	VULCAN MATERIALS CO	BIRMINGHAM	AL	1422	6,400	1,080,000,000	ABD/D&B	E	NA	NA	L
Vulcan Chemicals	Geismar	LA	N	LAD0081824	Y	2819	INCINERATOR	2819	300	71,409,000	E	1,000	S	VULCAN MATERIALS CO	BIRMINGHAM	AL	1422	6,400	1,080,000,000	ABD/D&B	E	500	L	L
Vulcan Materials Co.	Wichita	KS	N	KSD007482029	Y	869.5	INCINERATOR	2819	700	3,476,000	E	1,000	S	VULCAN MATERIALS CO	BIRMINGHAM	AL	1422	6,400	1,080,000,000	ABD/D&B	E	500	L	L
Washington State University	Pullman	WA	N	WAD041485301	Y	8221	INCINERATOR	8221	5,770	310,593,000	S	3,500,000	L	PARSONS & WHITTEMORE INC	PORT CHESTER	NY	2611	1,800	180,000,000	ABD/D&B	E	750	L	L
Waste Tech Services	Lake Charles	LA	N	LAD981514441	Y	886.382	INCINERATOR	3589	11	1,609,000	E	500	S	AMOCO CORP	CHICAGO	IL	2911	54,100	28,200,000,000	D&B/D&B	E	1,500	L	L
Waste-Tech Services	Golden	CO	N	CO3980959977	Y	4953	INCINERATOR	4953	160	22,700,000	S	6,000,000	L	ICI AMERICAS INC	WILMINGTON	DE	2821	6,500	1,200,000,000	ABD/D&B	E	750	L	L
Zeneca	Bayonne	NJ	N	NJD001787944	Y	218.145	INCINERATOR	3312	65	0	E	1,000	S	ALLIED SIGNAL INC	MORRISTOWN	NJ	3724	89,300	12,000,000,000	D&B	E	1,000	L	L
Allied Chemical Corp.	Birmingham	AL	Y	ALD031498933	Y	1477.175	INCINERATOR	3312	65	0	E	1,000	S	OGDEN CORPORATION	NEW YORK	NY	7349	43,000	1,768,815,000	ABD/D&B	S	8,000,000		

Appendix F: Comparison of Facility and Parent Revenues and Employment to Small Business Thresholds

Name	City	State	Commer. Facility?	EPA I.D.	On EPA Nov. List?	BRS Tons	Type	Facility-Level Small Business Screen					Parent-Level Small Business Screen										Overall Size Class.		
								F_sic	F_emp	F_sales	F_Test	F_Limit	F_Class	P_name	P_city	P_state	P_sic	P_emp	P_sales	Source	P_Basis	P_Limit		P_Class	
Laidlaw Environmental Services	Roebuck	SC	Y	SCD981467616	Y	16889.108	INCINERATOR	4953	20	8,112,000	S	6,000,000	L	LIDLAW ENVIRONMENTAL SVC	COLUMBIA	SC	4953	2,550	365,000,000	ABD/D&B	S	6,000,000	L	L	
Laidlaw Environmental Services	Clarence	NY	Y	NYD000632372	Y	49,229	INCINERATOR	0	0	0	NA	NA	NA	LIDLAW ENVIRONMENTAL SVC	COLUMBIA	SC	4953	2,550	365,000,000	ABD/D&B	S	6,000,000	L	L	
LWD, Inc.	Calvert City	KY	Y	KYD088438817	Y	25489.166	INCINERATOR	0	0	0	NA	NA	NA							ABD	NA	NA	NA	L	S
Marine Shale	Morgan City	LA	Y	LAD981057706	Y	52285.9	INCINERATOR	5093	350	100,294,000	E	100	L								NA	NA	NA	L	L
Phone-Pouenc Basic Chem.	Houston	TX	Y	TXD00809079	Y	26713.79	INCINERATOR	0	0	0	NA	NA	NA	RHONE-POULENC INC	MONMOUTH JCT	NJ	2879	9,300	2,290,000,000	D&B	E	500	L	L	L
Reynolds Aluminum	Gum Springs	AR	Y	ARD006354161	Y	0	INCINERATOR	0	0	0	NA	NA	NA	REYNOLDS METALS CO	RICHMOND	VA	3411	30,800	5,590,000,000	D&B	E	1,000	L	L	
Rhone-Pouenc Basic Chem.	Baton Rouge	LA	Y	LAD008161234	Y	20414.76	INCINERATOR	5169	300	281,406,000	E	100	L	RHONE-POULENC INC	MONMOUTH JCT	NJ	2879	9,300	2,290,000,000	ABD/D&B	E	500	L	L	
Rollins Environmental Serv.	Deer Park	TX	Y	TXD055141378	Y	89780.37	INCINERATOR	5093	320	91,698,000	E	100	L	ROLLINS ENVIRONMENTAL SVC INC	WILMINGTON	DE	4953	1,230	240,000,000	ABD/D&B	S	6,000,000	L	L	
Rollins Environmental Serv.	Baton Rouge	LA	Y	LAD010395127	Y	27782.805	INCINERATOR	8731	150	15,175,000	E	500	S	ROLLINS ENVIRONMENTAL SVC INC	WILMINGTON	DE	4953	1,230	240,000,000	ABD/D&B	S	6,000,000	L	L	
Rollins Environmental Services	Bridgeport	NJ	Y	NJD053289239	Y	33330.272	INCINERATOR	4953	150	60,840,000	S	6,000,000	L	ROLLINS ENVIRONMENTAL SVC INC	WILMINGTON	DE	4953	1,230	240,000,000	ABD/D&B	S	6,000,000	L	L	
Ross Incineration Services	Grafton	OH	Y	OHD048415665	Y	5093	INCINERATOR	5093	175	50,147,000	E	100	L							ABD	NA	NA	NA	L	L
ThermalKEM	Rock Hill	SC	Y	SCD04442333	Y	13010.068	INCINERATOR	4953	217	45,000,000	S	6,000,000	L	AMERICAN NUKEM CORP	MAHWAH	NJ	8748	2,110	233,000,000	D&B	S	3,500,000	L	L	
USPCI Clive	Toole Co.	UT	Y	UTD982595795	Y	4213	INCINERATOR	4213	100	NA	E	12,500,000	NA	UNION PACIFIC CORP	BETHLEHEM	PA	4011	46,039	7,294,000,000	D&B/D&B	E	500	L	L	
Waste Research & Reclamation	Eau Claire	WI	Y	WID980829475	Y	5169	INCINERATOR	5169	90	1,988,000	E	100	S	ZIEGLER CO	WEST BEND	WI	6211	485	48,300,000	ABD/D&B	S	3,500,000	L	L	
Waste Tech Services	Kimball	NE	Y	NED981722513	Y	0	INCINERATOR	0	0	0	NA	NA	NA	CLEAN HARBORS, INC.	QUINCY	MA	4953	1,498	237,073,000	D&B	S	6,000,000	L	L	
Waste Tech. Industries	East Liverpool	OH	Y	OHD980613541	Y	5093	INCINERATOR	5093	120	34,387,000	E	100	L	VON ROLL AG	SWITZERLAND		3462	8,200	1,645,768,000	D&B	E	1,000	L	L	
PPG Industries (IF)	West Lake	LA	N	LAD008086506	Y	53416.604	INDUSTRIAL FURNACE	0	0	0	NA	NA	NA	PPG INDUSTRIES INC	PITTSBURGH	PA	3211	33,700	5,810,000,000	D&B	E	1,000	L	L	

Appendix G

MARKET IMPACTS ASSUMING ZERO PERCENT
PRICE PASS-THROUGH SCENARIO

Appendix G

MARKET IMPACTS ASSUMING ZERO PERCENT PRICE PASS-THROUGH SCENARIO

ZERO-PERCENT PRICE PASS-THROUGH SCENARIO

To bound the impact of the proposed rule on combustors, EPA also evaluated a zero-percent price pass-through scenario. This scenario assumes that new compliance costs from the rule must be paid entirely from existing profits; there will be no increase in the price of combustion services. The zero-percent price pass-through scenario models a market situation where there are many low-cost waste minimization and non-combustion alternatives for waste streams that are currently combusted, preventing price increases. As the price increases under the low price-through scenario were quite small, differences between the that scenario and the zero-percent scenario are also relatively small.

- Excluding MACT options requiring PIC controls, one additional cement kiln is expected to stop burning hazardous waste. Between four and seven additional on-site incinerators are expected to exit. There are no changes in either the LWAK or commercial incinerator sectors.
- Increased exit is more pronounced for options requiring PIC controls. Expected cement kiln exit increases from 9 to 15; LWAK exit under option 2a jumps from one to three. On-site incinerator exit under options 2a and 4 increases by nearly 50 percent, from 44 facilities to 65. As compliance costs under these options are much higher, the inability to recover them through increased prices trigger additional exit. Although the on-site incinerators do not incur high costs for PIC controls, they also benefitted from the ability of kilns to raise prices under the low and high price pass-through scenarios.
- Long-term exit under zero-percent follows the same general pattern as applied in the low price pass-through scenario: a large increase in exit for on-site incinerators as waste burning capital is replaced, and small increases in other sectors for the reasons described in low price pass-through section above. Long-term exit under zero percent is slightly higher for all sectors for most MACT options. Under options requiring PIC controls, the increase is more substantial due to the larger magnitude of costs not recovered. Cement kiln exit is expected to rise from ten to 17 facilities; and on-site incinerator exit is expected to rise from 72 to 92 facilities.
- Operating profits decline in all sectors under all options as compared to the low price pass-through scenario, as would be expected. However, with the exception of MACT options requiring PIC controls, these declines are not large. Margins in the cement kiln sector decline by between five and nine percentage points (although by nearly 20 percentage points for PIC options), but remain above forty percent. LWAK margins also decline by less than nine percentage points, and

remain above 55 percent. Declines in the on-site incinerator and commercial incinerator sectors are less than five percentage points, although margins are lower than in the BIF sectors.

- Additional market exit in the zero-percent pass-through scenario also triggers somewhat higher waste diversions, jumping from 4 percent to 6 to 8 percent (depending on MACT option). Under options requiring PIC controls, expected diversions reach 22 percent of the total waste combusted, levels that would be likely to cause substantial market dislocations.

EXHIBIT G-1

PERCENTAGE OF COMBUSTION UNITS MEETING SHORT TERM BEQ AFTER CONSOLIDATION
(Percentage of combustion units; includes units not burning waste in the baseline)

Price pass through assumed: 0%
(percentage of median compliance costs for the most efficient sector)

	Cement Kilns			LWAKs			Commercial Incinerators			On-site Incinerators		
	Above	<20% below	>20% below	Above	<20% below	>20% below	Above	<20% below	>20% below	Above	<20% below	>20% below
Original Floor	76%	2%	22%	38%	0%	62%	82%	0%	18%	56%	7%	37%
Option 1b	76%	2%	22%	38%	0%	62%	82%	0%	18%	54%	7%	39%
Option 1c	71%	2%	27%	38%	0%	62%	82%	0%	18%	52%	7%	41%
Option 2a	29%	9%	62%	15%	0%	85%	82%	0%	18%	52%	6%	43%
Option 2b	71%	2%	27%	15%	0%	85%	82%	0%	18%	52%	6%	43%
Option 3	71%	2%	27%	38%	0%	62%	82%	0%	18%	52%	7%	41%
Option 4	29%	9%	62%	15%	0%	85%	82%	0%	18%	52%	7%	41%

Notes:

1. Compliance costs include CEM costs.
2. Percent of units currently not burning waste:

Cement Kilns	9%
LWAKs	31%
Commercial Incinerators	6%
On-site Incinerators (burning less than 50 tons)	11%

EXHIBIT G-2

PERCENTAGE OF COMBUSTION UNITS MEETING LONG TERM BEQ AFTER CONSOLIDATION
 (Percentage of combustion units; includes units not burning waste in the baseline)

Price pass through assumed: 0%
 (percentage of median compliance costs for the most efficient sector)

	Cement Kilns			LWAKs			Commercial Incinerators			On-site Incinerators		
	Above	<20% below	>20% below	Above	<20% below	>20% below	Above	<20% below	>20% below	Above	<20% below	>20% below
Original Floor	73%	0%	27%	38%	0%	62%	71%	0%	29%	39%	6%	56%
Option 1b	73%	0%	27%	38%	0%	62%	71%	0%	29%	37%	7%	56%
Option 1c	67%	2%	31%	38%	0%	62%	71%	0%	29%	35%	7%	57%
Option 2a	22%	13%	64%	15%	0%	85%	71%	0%	29%	35%	7%	57%
Option 2b	67%	2%	31%	15%	0%	85%	71%	0%	29%	35%	7%	57%
Option 3	67%	2%	31%	23%	8%	69%	71%	0%	29%	35%	7%	57%
Option 4	22%	13%	64%	15%	0%	85%	71%	0%	29%	35%	7%	57%

Notes:

1. Compliance costs include CEM costs.
2. Percent of units currently not burning waste:

Cement Kilns	9%
LWAKs	31%
Commercial Incinerators	6%
On-site Incinerators (burning less than 50 tons)	11%

EXHIBIT G-3

**NUMBER OF COMBUSTION FACILITIES LIKELY TO STOP BURNING
HAZARDOUS WASTE IN THE SHORT TERM
(net of facilities not currently burning waste)**

Price pass through assumed: **0%**
(percentage of median compliance costs for the most efficient sector)

	Cement Kilns	LWAKs	Commercial Incinerators	On-site Incinerators
Facilities currently not burning waste (Note 2)	2	1	2	14
Incremental Facilities Likely to Stop Burning Waste				
Original Floor	3	1	4	58
Option 1b	3	1	4	61
Option 1c	3	1	4	65
Option 2a	15	4	4	65
Option 2b	3	4	4	65
Option 3	3	1	4	65
Option 4	15	4	4	65

Notes:

1. Compliance costs include CEM costs.
2. Percentage of facilities currently not burning waste in the cement kiln, LWAK, and commercial incinerator sector; or burning less than 50 tons per year in the on-site incinerator sectors. Some additional units may be nonviable in the baseline, leading us to overestimate closures due to the proposed MACT.

EXHIBIT G-4

**NUMBER OF COMBUSTION FACILITIES LIKELY TO STOP BURNING
HAZARDOUS WASTE IN THE LONG TERM
(net of facilities not currently burning waste)**

Price pass through assumed: 0%
(percentage of median compliance costs for the most efficient sector)

	Cement Kilns	LWAKs	Commercial Incinerators	On-site Incinerators
Facilities currently not burning waste (Note 2)	2	1	2	14
Incremental Facilities Likely to Stop Burning Waste				
Original Floor	3	1	6	85
Option 1b	3	1	6	89
Option 1c	4	1	6	92
Option 2a	17	4	6	92
Option 2b	4	4	6	92
Option 3	4	4	6	92
Option 4	17	4	6	92

Notes:

1. Compliance costs include CEM costs.
2. Number of facilities currently not burning waste in the cement kiln, LWAK, and commercial incinerator sectors; or burning less than 50 tons per year in the on-site incinerator sector. Some additional units may be nonviable in the baseline, leading us to overestimate closures due to the proposed MACT.

EXHIBIT G-5

CHANGE IN AVERAGE OPERATING PROFITS PER TON
OF HAZARDOUS WASTE BURNED FROM THE PROPOSED MACT

Price pass through assumed: 0%
(percentage of median compliance costs for the most efficient sector)

Options	Cement Kilns			LWA Kilns			Commercial Incinerators			On-site Incinerators		
	Operating Profit Margin		% Margin after the Rule	Operating Profit Margin		% Margin after the Rule	Operating Profit Margin		% Margin after the Rule	Operating Profit Margin		% Margin after the Rule
	\$ Change	% Change		\$ Change	% Change		\$ Change	% Change		\$ Change	% Change	
Baseline (Median)	\$85	64%		(\$9)	-9%		\$158	24%		\$86	24%	
Original Floor	(\$46)	-33%	49%	(\$44)	-23%	58%	(\$29)	-20%	18%	(\$65)	-31%	30%
Option 1b	(\$46)	-34%	49%	(\$44)	-23%	58%	(\$30)	-21%	17%	(\$64)	-29%	32%
Option 1c	(\$66)	-46%	41%	(\$51)	-25%	60%	(\$36)	-25%	17%	(\$69)	-30%	32%
Option 2a	(\$131)	-63%	33%	(\$138)	-33%	60%	(\$41)	-28%	16%	(\$75)	-33%	31%
Option 2b	(\$66)	-46%	41%	(\$138)	-33%	60%	(\$41)	-28%	16%	(\$75)	-33%	31%
Option 3	(\$66)	-46%	41%	(\$72)	-35%	52%	(\$36)	-25%	17%	(\$69)	-30%	32%
Option 4	(\$131)	-63%	33%	(\$160)	-39%	56%	(\$41)	-28%	16%	(\$71)	-31%	32%

Notes:

- Compliance costs include CEM costs.
- Operating Profits = (weighted average price per ton + weighted average energy savings per ton + assumed price increase due to compliance costs passed through) - (average baseline costs per ton + average total annual compliance cost per ton). Assumed price pass-through is a set percentage (shown at the top of this exhibit) of the median compliance cost for the most efficient combustion sector. As this is a static model, we have capped the price pass-through using the combustion units expected to remain burning hazardous waste even though the original pass-through value included some units expected to stop burning. This is a better approximation of the impetus combustors have to raise prices, though it is not a precise predictor. To address uncertainty regarding the amount prices will rise, a variety of price increase scenarios were used. All other averages were calculated after consolidation, and include only those units that continue to burn hazardous waste.
- Operating profits exclude overhead, other administrative costs, and taxes. Actual after-tax profits will be lower.
- Percentage Operating Profit Margin = average operating profits per ton / (weighted average price per ton + assumed price increase due to compliance costs passed through). Percentage profit margin after the rule is calculated using the same formula with post-rule operating profits and prices.
- Change in operating profits per ton = Post-rule operating profits per ton - baseline operating profits per ton. Percentage change in operating profits margin = (post-rule operating profits margin - baseline operating profits margin) / baseline operating profits margin. Baseline operating profit margins for units remaining open after consolidation can be calculated by dividing the percentage profit margin after the rule by one plus the percentage change in the operating profit margin. For consistency, baseline values have been calculated using the median compliance cost per ton for facilities that remain in operation after the rule for each MACT option.

EXHIBIT G-6

**QUANTITY OF HAZARDOUS WASTE THAT COULD BE DIVERTED
FROM COMBUSTION FACILITIES IN THE SHORT TERM**

Price pass through assumed: **0%**
(percentage of median compliance costs for the most efficient sector)

	Cement Kilns	LWAKs	Commercial Incinerators	On-site Incinerators	TOTAL	Percentage of all BRS Combusted Hazardous Waste
Original Floor	43,410	1,870	4,860	137,960	188,100	6%
Option 1b	43,410	1,870	4,860	143,160	193,300	6%
Option 1c	43,410	1,870	4,860	149,410	199,550	7%
Option 2a	463,210	33,370	4,860	149,410	650,850	22%
Option 2b	43,410	33,370	4,860	149,410	231,050	8%
Option 3	43,410	1,870	4,860	149,410	199,550	7%
Option 4	463,210	33,370	4,860	149,410	650,850	22%

Notes:

1. Compliance costs include CEM costs.
2. Combusted hazardous waste reported to BRS in 1991
excluding tonnage burned in on-site boilers: 2,977,355
3. Totals may not add due to rounding.

EXHIBIT G-7

TOTAL ANNUAL PRE-TAX COMPLIANCE COSTS (millions)
AFTER UNIT CONSOLIDATIONS

Price pass through assumed: 0%
(percentage of median compliance costs for the most efficient sector)

Options	Cement Kilns	LWA Kilns	Commercial Incinerators	On-site Incinerators	Total	Percentage Difference from Engineering Costs
Original Floor	\$47	\$3	\$17	\$68	\$135	-29%
Option 1b	\$51	\$3	\$19	\$72	\$146	-30%
Option 1c	\$60	\$4	\$22	\$82	\$167	-32%
Option 2a	\$85	\$5	\$26	\$90	\$205	-63%
Option 2b	\$60	\$5	\$26	\$90	\$180	-36%
Option 3	\$60	\$5	\$22	\$82	\$169	-32%
Option 4	\$85	\$5	\$26	\$91	\$207	-63%

Notes:

1. Compliance costs include CEM costs.
2. Compliance costs after consolidation include the costs for those units that will continue to burn waste, as well as the shipping and disposal costs (after the assumed price increase) for on-site incinerators that decide to stop burning wastes on-site. Other types of combustion units that stop burning wastes do not incur compliance costs and therefore are excluded.
3. Because compliance costs are tax-deductible, the portion of pre-tax costs borne by the firm would be between 70 and 80 percent of the values shown above, depending on the specific firm's marginal tax bracket.
4. "Consolidation" allows for non-viable combustion units to consolidate waste flows with other units at the same site, or to exit the waste burning market. As a result, the number of combustion units incurring compliance costs is reduced.

EXHIBIT G-8

**AVERAGE TOTAL ANNUAL PRE-TAX COMPLIANCE COSTS PER TON
(Short Term - After Consolidation)**

Price pass through assumed: **0%**
 (percentage of median compliance costs for the most efficient sector)

Options	Cement Kilns	LWA Kilns	Commercial Incinerators	On-site Incinerators
Original Floor	\$55	\$44	\$29	\$65
Option 1b	\$59	\$44	\$30	\$64
Option 1c	\$68	\$51	\$36	\$69
Option 2a	\$177	\$138	\$41	\$75
Option 2b	\$68	\$138	\$41	\$75
Option 3	\$68	\$72	\$36	\$69
Option 4	\$177	\$160	\$41	\$71

Notes:

1. Compliance costs include CEM costs.
2. Average compliance costs per ton exclude units that are not likely to comply with the rule.
3. Average on-site incinerator compliance costs include direct costs of meeting the new emission levels. Indirect costs to facilities that stop burning wastes and must ship them off-site for management are not included.
4. Because compliance costs are tax-deductible, the portion of pre-tax costs borne by the firm would be between 70 and 80 percent of the values shown above, depending on the specific firm's marginal tax bracket.