

From: Brian Shrager

To: Mary Johnson
EPA/ESD/CG (C439-01)
U. S. Environmental Protection Agency
Research Triangle Park, NC 27711

Date: February 28, 2003

Project: Brick and Structural Clay Products Manufacturing NESHAP

Re: Final Rule: Documentation of Database and Responses to the 1997 Information Collection Request for Brick and Structural Clay Products.

I. Introduction

In December, 1997, the U. S. Environmental Protection Agency (EPA) developed and sent a maximum achievable control technology (MACT) information collection request (ICR) to brick and structural clay products (BSCP) manufacturing facilities. The ICR package was sent to 223 facilities and included the ICR developed for the BSCP industry and a generic (EPA Office of Management and Budget-approved) MACT ICR. Facilities had the option of completing either ICR. Following receipt of the completed ICRs from the BSCP manufacturing facilities, we reviewed the responses for completeness and accuracy and created a database of the ICR responses. This database, which is referred to as “the database” for the remainder of this memorandum, summarizes the responses to the general MACT survey, along with additional information from follow-up phone calls and faxes, which was the basis for all further calculations. This memorandum describes the information contained in the database. Each of the following sections describes the data found in each of the tables of the ICR as well as providing a copy of the database table. Following proposal of the BSCP manufacturing NESHAP, several changes were made to the database. This memorandum presents revised versions of the database tables that were modified since proposal.

II. Facility Information

The first database table is the facility information table, which contains basic facility information. Facility ownership changes, latitude and longitude corrections, and other changes have been made to this table since proposal. Because of the quantity of data that is contained in this table, it was split into 2 tables for the purposes of this memorandum. Table 1 includes the name and location of the facility, the facility contact person and their contact information, and alternate contact information. Each facility also was assigned a facility identification number

TABLE 1: FACILITY INFORMATION, PART I

FACID	Company	Facility	Street	City	State	Zip	Respondent	Title	Resp. Street	Resp. City	Resp state	Resp zip	Resp Telephone	Other contact	Other telephone
1	Wienerberger Group (General Shale)	General Shale Brick-Plants 14 and 38	212 South Park Rd	Fairdale	KY	40118	Dave McNeas	Environmental Specialist	PO Box 3547	Johnson City	TN	37602	(423) 282 - 4661		
2	American Eagle Brick Co	American Eagle Brick Co	1000 McNutt Rd	Sunland Park	NM	88063	George F. Cudahy	President	PO Box 12786	El Paso	TX	79913	(505) 589-0700		
3	Atkinson Brick Co	Atkinson Brick	24100 Orange Ave	Perris	CA	92570	Tobin Campbell	Vice President	15421 Chemical Lane	Huntington Beach	CA	92649	(714) 897-4311		
4	Atkinson Brick Co	Atkinson Brick	13633 S. Central Ave	Los Angeles	CA	90059	Tobin Campbell	Vice President	15421 Chemical Lane	Huntington Beach	CA	92649	(714) 897-4311		
5	Boral Industries, Inc	Boral Bricks, Bessemer Plant #6	Hopewell Rd, S.E. - Plant 62	Bessemer	AL	35020	Michele Fry	Manufacturing Management Trainee	PO Box 517	Bessemer	AL	35021	(205) 425-8970	Dave Johnson	(334) 480-2487
6	Boral Industries, Inc	Boral Bricks, Bessemer Plant #5	Vulcan Rd, S.E.	Bessemer	AL	35023	Michele Fry	Manufacturing Management Trainee	PO Box 517	Bessemer	AL	35021	(205) 425-8970	Dave Johnson	(334) 480-2487
7	Boral Industries, Inc	Boral Bricks, Augusta Plant 6	1449 Doug Barnard Parkway	Augusta	GA	31208	Guiomar Obregon	Analyst	500 Northridge Rd, Suite 300	Atlanta	GA	30350	(770) 645-4500	David P. Johnson	(334) 480-2487
8	Belden Brick Co	Redland Brick, Rocky Ridge Plant	9801 Rocky Ridge Rd	Rocky Ridge	MD	21778	Barry Miller	Manager-Safety, Environmental & Quality	15718 Clear Spring Rd, PO Box 160	Williamsport	MD	21795	(301) 223-7700 ext. 7147		
9	J. L. Anderson Co., Inc	Palmetto Brick Co	3501 Brickyard Rd	Wallace	SC	29596	Rick Floyd						(843) 537-7861		
10	Boral Industries, Inc	Boral Bricks, Macon, Mississippi	Highway 14 West	Macon	MS	39341	Michele Fry	Manufacturing Management Trainee	PO Box 517	Bessemer	AL	35021	(205) 425-8970	Dave Johnson	(334) 480-2487
11	Boral Industries, Inc	Boral Bricks, Lexington Plant	Hwy 1 and Brickyard Rd, P.O. Box 868	Lexington	SC	29072	William Anderson	Plant Manager (Boral Bricks)	PO Box 868	Van Wyck	SC	29042	(803) 286-5566	David Johnson	(334) 480-2487
12	Boral Industries, Inc	Boral Bricks, Gleason Plant	P.O. Box 72	Gleason	TN	38229	David Johnson	Environmental Manager	PO Box 1178	Columbus	GA	31902	(334) 480-2487 -1178		
13	Boral Industries, Inc	Boral Bricks, Henderson Plant	1309 Kilgore Dr	Henderson	TX	75653	Will Anderson	Plant Engineer (Boral Bricks)	7472 Van Wyck Rd (PO Box 99)	Van Wyck	SC	29744	(803) 286-5566	Dave Johnson	(334) 480-2487
14	Clay City Pipe	Bowerston Shale Co-Bowerston Plant	515 E. Main St	Bowerston	OH	44695	Edward C. Milliken	Engineering Manager					(740) 269-2921		
15	Clay City Pipe	Bowerston Shale Co-Hanover Plant	1329 Seven Hills Road NE	Newark	OH	43055	Edward C. Milliken	Engineering Manager	515 East Main St	Bowerston	OH	44695	(740) 269-2921		
16	Brick and Tile Corp of Lawrenceville	Plant I	1244 Brickyard St	Lawrenceville	VA	23868	Leon F. Williams III	Vice President Production	PO Box 45	Lawrenceville	VA	23868	(804) 848-3151		
17	Brick and Tile Corp of Lawrenceville	Plant III	16024 Governor Harrison Parkway	Lawrenceville	VA	23868	Leon F. Williams III	Vice President Production	PO Box 45	Lawrenceville	VA	23868	(804) 848-3151		

TABLE 1. (CONTINUED)

FACID	Company	Facility	Street	City	State	Zip	Respondent	Title	Resp. Street	Resp. City	Resp state	Resp zip	Resp Telephone	Other contact	Other telephone
18	Castaic Clay Mfg. Co, Inc	Castaic Clay Mfg	P.O. Box 8, 32300 Old Ridge Rte Rd	Castaic	CA	91310	William Bell	Plant Manager					(661) 259-3066		
19	Cherokee Brick & Tile Co	Cherokee Brick & Tile Co	3250 Waterville Rd	Macon	GA	31206	James V. Owen	General Manager Operations					(478) 781-6800	Leesa Gerald	(904) 268-8393
20	Clinton-Campbell Contractor, Inc	Phoenix Brick Yard	1814 South 7th Ave	Phoenix	AZ	85007	Don Campbell	Vice President					(602) 258-7158	Craig McCurry	(602) 804-1420
21	D'Hanis Clay Products, Inc	dba D'Hanis Brick and Tile	7734 County Rd No. 429	D'Hanis	TX	78850	John A. Oberman	President	311 E Nakoma	San Antonio	TX	78216	(210) 525-8142		
22	Wienerberger Group (General Shale)	Darlington Brick & Clay Products Co	602 Third & Morris St, P.O. Box 346	Darlington	PA	16115	Jack Landsbach	Plant Manager					(724) 827-2700 ext 209		
23	Endicott Clay Products Co	Endicott Clay Products Co	57120 707th Rd	Fairbury	NE	68352	Paul W. Judd	Vice President	PO Box 17	Fairbury	NE	68352	(402) 729-3315		
24	Florida Brick & Clay Co., Inc	Florida Brick	1708 Turkey Creek Rd	Plant City	FL	33567	Antonio C. Azorin	Vice President - Operations					(813) 754-1521, ext. 17		
25	Hanson, PLC	Boren Clay--Monroe	Hwy No. 74, P.O. Box 5012	Monroe	NC	28111	Jack Garvey	Director of Engineering					(336) 674-2255		
26	Hanson, PLC	Boren Clay Products	1410 Forest Acres Circle	Pleasant Garden	NC	27313	Jack Garvey	Director of Engineering					(336) 674-2255		
27	Hanson, PLC	Boren Clay Products--Roseboro Plant	P.O. Box 518	Roseboro	NC	28382	Jack Garvey	Director of Engineering					(336) 674-2255		
28	Hanson, PLC	Boren Clay Products--Blacksburg Plant	P.O. Box 156	Blacksburg	SC	29702	Jack Garvey	Director of Engineering					(336) 674-2255		
29	Hanson, PLC	US Brick Cline Plant	510 US Rt 60	Ashland	KY	41105	Martin V. Harrison	Safety/Environmental Director					(606) 928-6324		(606) 928-6324
30	Hanson, PLC	US Brick, Inc--Sipple	2014 Morris Creek Rd	Stanton	KY	4038	Martin V. Harrison	Safety/Environmental Director					(606) 663-4125		
31	Hanson, PLC	Richtex plants 2 and 4	Brickyard Rd @ Frost Ave.	Columbia	SC	29203	J. David McKeown	Environment/Quality Control Manager					(803) 786-1260		(803) 786-1260
32	Hanson, PLC	Richtex Corp--Plant 9	624 Brickyard Rd	Ninety-Six	SC	29666	J. David McKeown	Environment/Quality Control Manager					(803) 786-1260		
33	Colonial Brick Corp	Colonial Brick Corp	817 Park St - P.O. Box 365	Cayuga	IN	47928	Daniel A. Swartz	President	817 Park St	Cayuga	IN	47928	(765) 492-3355		
34	Columbus Brick Co	Columbus Brick Co	114 Brickyard Rd	Columbus	MS	39705	Charles J. Deignan	Plant Engineer	114 Brickyard Rd	Columbus	MS	39705	(601) 438-4931		
35	Jenkins Brick Co	Coosada Plant	6250 Coosada Rd	Coosada	AL	36020	John Williams	Plant Manager					(334) 285-5165		

TABLE 1. (CONTINUED)

FACID	Company	Facility	Street	City	State	Zip	Respondent	Title	Resp. Street	Resp. City	Resp state	Resp zip	Resp Telephone	Other contact	Other telephone
36	Jenkins Brick Co	Montgomery Plant	1228 N. McDonough St	Montgomery	AL	36104	Buddy Hibbard	Plant Manager					(334) 263-6660		
37	Kentwood Brick & Tile Mfg. Co, Inc	Kentwood Brick & Tile Mfg Co, Inc	72199 Hwy 51, P.O. Drawer F	Kentwood	LA	70444	Edward Burns	Controller					(504) 229-7112		
38	Hoffman Enterprises, Inc	Kinney Brick Co	100 Prosperity SE	Albuquerque	NM	87105	Ralph Hoffman	General Manager	PO Box 1804	Albuquerque	NM	87103	(505) 877-4550		
39	Summit Pressed Brick and Tile Co	Lakewood Brick and Tile Co	1325 Jay St	Lakewood	CO	80214	Thomas J. Murray	Vice President					(303) 238-5313		
40	Louisville Brick Co	Louisville Brick Co	750 N Church	Louisville	MS	39339	Mark F. Mitchell	Plant Superintendent	PO Box 426	Louisville	MS	39339	(601) 773-5971		
41	Ibstock, PLC (Glen-Gery Corp)	Glen-Gery Corp	1401 Broadway St	Marseilles	IL	61341	Charles Laird	Plant Manager					(815) 795-6922		
42	McAvoy Brick Co	The McAvoy Brick Co	140 McAvoy Lane, P.O. Box 468	Phoenixville	PA	19460	Creighton H. McAvoy	President							
43	Nash Brick Co	Nash Brick Co (Plant)	532 Nash Brick Rd (NO MAIL)	Enfield	NC		Jeff A. Wyers	Plant Manager	PO Box 962 (ALL MAIL)	Rocky Mount	NC	27802	(919) 443-4965		
44	Owensboro Brick and Tile	Owensboro Brick and Tile	1120 E Wing Rd, Box 907	Owensboro	KY	42302	William J. Richard	Chairman					(502) 926-3330	Mark Sexton	(502) 926-3330
45	Richards Brick Co	Richards Brick Co	234 Springer Ave	Edwardsville	IL	62025-1806	John Motley	General Manager					(618) 656-0230		
46	Statesville Brick Co	Statesville Brick Co	391 Brickyard Rd	Statesville	NC	28677	Brad Brown	Technical Services	PO Box 471	Statesville	NC	28687	(704) 872-4123		
47	Taylor Clay Products Co	Taylor Clay Products	PO Box 2128, 185 Peeler Rd	Salisbury	NC	28145	Harold Howard	Vice President Engineering					(704) 636-2411		
48	Roeben Co., Inc	Triangle Brick Co-Carpenter	Hwy 55 South	Carpenter	NC	27560	Howard P. Brown	President	6523 Apex Rd	Durham	NC	27713-9346	(919) 544-1796	William G. Colby, P.E.	(603) 623-3600
49	Roeben Co., Inc	Triangle Brick Co--Merry Oaks	US Hwy 1	Merry Oaks	NC	27559	Howard P. Brown	President	6523 Apex Rd	Durham	NC	27713-9346	(919) 544-1796	William G. Colby, P.E.	(603) 623-3600
50	Marion Ceramics, Inc	Marion Ceramics, Inc	Hwy 301 North	Pee Dee	SC		Daniel Cabeza	President	PO Box 1134	Marion	SC	29571	(803) 423-1311		
51	Boral Industries, Inc	Boral Bricks, Van Wyck Plants	7472 Van Wyck Rd, P.O. Box 99	Van Wyck	SC	29744	William Anderson	Plant Manager					(803) 286-5566	David Johnson	(334) 480-2487
52	Wienerberger Group (General Shale)	General Shale Brick Plant 30	3195 Brick Plant Rd, NW	Atlanta	GA	30318	Dave McNees	Environmental Specialist	PO Box 3547, 3211 N Roan St	Johnson City	TN	37602	(423) 282-4661		
53	Wienerberger Group (General Shale)	General Shale Brick Plant 31	2142 James Jackson	Atlanta	GA	30318	Dave McNees	Environmental Specialist	PO Box 3547, 3211 N Roan St	Johnson City	TN	37602	(423) 282-4661		
54	Wienerberger Group (General Shale)	General Shale Brick-Plants 20 & 32	CR 1000 N	Mooreville	IN	46158	Dave McNees	Environmental Specialist	PO Box 3547	Johnson City	TN	37602	(423) 282-4661		

TABLE 1. (CONTINUED)

FACID	Company	Facility	Street	City	State	Zip	Respondent	Title	Resp. Street	Resp. City	Resp state	Resp zip	Resp Telephone	Other contact	Other telephone
55	Wienerberger Group (General Shale)	General Shale Brick-Corbin-Plant 33	16 Perkins Lane	Woodbine	KY	40771	Dave McNees	Environmental Specialist	PO Box 3547	Johnson City	TN	37602	(423) 282-4661		
56	Wienerberger Group (General Shale)	General Shale Brick-Hanford Div Plant 34	1136 Cedarcrest Dr	Burlington	NC	27215	Dave McNees	Environmental Specialist	PO Box 3547	Johnson City	TN	37602	(423) 282-4661		
57	Wienerberger Group (General Shale)	General Shale Brick - Plant 10	102 South Broadway	Johnson City	TN	37601	Dave McNees	Environmental Specialist	PO Box 3547	Johnson City	TN	37602	(423) 282-4661		
58	Wienerberger Group (General Shale)	General Shale Brick Plants 15 & 29	Hill St	Kingsport	TN	37662	Dave McNees	Environmental Specialist	PO Box 3547	Johnson City	TN	37602	(423) 282-4661		
59	Wienerberger Group (General Shale)	General Shale Brick Plant 7	1740 Riverside Dr	Knoxville	TN	37901	Dave McNees	Environmental Specialist	PO Box 3547	Johnson City	TN	37602	(423) 282-4661		
60	Wienerberger Group (General Shale)	General Shale Brick Plants 6 & 28	Rt 1, Hwy 11-E, Box 460	Atkins (Marion)	VA	24311	Dave McNees	Environmental Specialist	PO Box 3547	Johnson City	TN	37602	(423) 282-4661		
61	Wienerberger Group (General Shale)	General Shale Brick Plants 35 and 36	770 Webster Rd	Blue Ridge (Roanoke)	VA	24064	Dave McNees	Environmental Specialist	PO Box 3547	Johnson City	TN	37602	(423) 282-4661		
62	Wienerberger Group (General Shale)	General Shale Brick Plant 37	State Rt. 655	Somerset	VA	22972	Dave McNees	Environmental Specialist	PO Box 3547	Johnson City	TN	37602	(423) 282-4661		
63	Higgins Brick Co	Higgins Brick Co	15920 Pomona Rincon Rd	Chino Hills	CA	91709	Ray Thomas	Plant Senior Superintendent	15920 Pomona Rincon Rd	Chino Hills	CA	91709	(805) 644-5948	Michael Shaffer	(805) 644-5948
64	Continental Brick Co	Martinsburg Plant	1441 Charles Town Rd	Martinsburg	WV	25401	Charles L. Pickett	Vice President					(304) 263-6974		
65	Eureka Brick and Tile Co	Eureka Brick and Tile Co	East Hwy 64 (P.O. Box 379)	Clarksville	AR	72830	Ronnie Sexton	Plant Manager					(501) 754-3040		
66	Belden Brick Co	Redland Brick-Harmer Plant	375 Rich Hill Rd	Cheswick	PA	15024	Barry Miller	Manager-Safety, Environmental, and Quality	15718 Clear Spring Rd, PO Box 160	Williamsport	MD	21795	(301) 223-7700	Simon Whalley	(301) 223-7700
67	Hanson, PLC	US Brick - Holly Springs Plant	700 Hwy 7 North	Holly Springs	MS	38635	Paul Anderson	Assistant Manager Engineering and Research					(940) 325-9466		
68	Old Virginia Brick Co	Madison Heights, Virginia Plant	Mitchell Bell Rd	Madison Heights	VA	24572	William F. Walker	Vice President Engineering/Division Manager	PO Box 740	Madison Heights	VA	24572	(804) 929-6411		
69	Old Virginia Brick Co	Salem, Virginia Plant	2500 West Main St	Salem	VA	24153	William F. Walker	Vice President Engineering/Division Manager	PO Box 740	Madison Heights	VA	24572	(804) 929-6411		
70	Hanson, PLC	US Brick - Mineral Wells Plant	500 N.E. 14th Ave	Mineral Wells	TX	76067	Paul Anderson	Assistant Manager Engineering and Research					(940) 325-9466		

TABLE 1. (CONTINUED)

FACID	Company	Facility	Street	City	State	Zip	Respondent	Title	Resp. Street	Resp. City	Resp state	Resp zip	Resp Telephone	Other contact	Other telephone
71	Interpace Industries Inc	Interpace Industries Inc	736 W. Harrisville Rd, P.O. Box 12118	Ogden	UT	84412	C.L. Patterson	Plant Manager					(801) 782-7933		
72	Boral Industries, Inc	Boral Bricks, Salisbury Plants	700 North Long St	Salisbury	NC	28145	CH2M Hill for David Johnson	Consultant	100 Brickyard Rd	Phenix City	AL	36869	(334) 480-2487	David Johnson	(334) 480-2487
73	Boral Industries, Inc	Boral Bricks, Atlanta Plant	5472 Oakdale Rd	Smyrna	GA	30082	Guiomar Obregon	Analyst	500 Northridge Rd, Suite 300	Atlanta	GA	30350	(770) 645-4500	David P. Johnson	(334) 480-2487
74	Boral Industries, Inc	Boral Bricks, Macon, Georgia Plant	7110 10th St	Macon	GA	31208	Guiomar Obregon	Analyst	500 Northridge Rd, Suite 300	Atlanta	GA	30350	(770) 645-4500	David P. Johnson	(334) 480-2487
75	Wheeler Brick Co, Inc	Wheeler Brick Co, Inc	2905 Dan Ave, P.O. Box 250	Jonesboro	AR	72403-0250	Randall Wheeler	President	PO Box 250				(870) 935-5182	Randy Wheeler (Jr)	(870) 935-5182
76	Scott Jewett Truck Line, Inc	Mangum Brick	2316 N Louis Tittle Ave	Mangum	OK	73554	Ron Gay	Sales Manager					(580) 782-2324		
77	Hanson, PLC	US Brick-Elgin Plant	Rt.6, Box 338	Elgin	TX	78621	Paul Anderson	Assistant Manager Engineering and Research					(940) 325-9466		
78	Henry Brick Company, Inc	Henry Brick Co, Inc	3409 Water Ave	Selma	AL	36703	C. Elton Birch, Jr.	Vice President/Product ion					(334) 875-2600		
79	Morin Brick Co	Lachance Div	392 Mosher Rd	Gorham	ME	4038	Norman E. Davis	Treasurer	Old Danville Rd, PO Box 36	Danville	ME	4223	(207) 784-9375		
80	Stone Creek Brick Co	Stone Creek Brick Co	103 North St	Stone Creek	OH	43840	Dick Graham	General Manager					(330) 339-5511	Greg Myers	(330) 339-5511
81	Boral Industries, Inc	Boral Bricks, Phenix City, Plant 4	100 Brickyard Rd, Plant 4	Phenix City	AL	36865	Andrew S. R. Wichers	Regional Safety Manager	100 Brickyard Rd	Phenix City	AL	36865	(334) 480-2407	David Johnson	(334) 480-2487
82	Boral Industries, Inc	Boral Bricks, Muskogee Plant	3101 West 53rd St South	Muskogee	OK	74401	Andrew S. R. Wichers	Regional Safety Manager	PO Box 1178	Columbus	GA	31902-1178	(334) 480-2407	David Johnson	(334) 480-2487
83	Cunningham Brick Company, Inc	Cleveland County Facility	1622 Longbranch Rd	Grover	NC		Richard W. Cunningham	Secretary	701 N Main St	Lexington	NC	27292	(336) 472-6181		
84	Cunningham Brick Company, Inc	Thomasville	1437 Cunningham Brick Yard Rd	Thomasville	NC	27360	Richard W. Cunningham	Secretary	701 N Main St	Lexington	NC	27292	(336) 472-6181		
85	Wienerberger Group (General Shale)	General Shale Brick - Plant 18	13207 Memorial Parkway, South	Huntsville	AL	35803	Dave McNeese	Environmental Specialist	PO Box 3547	Johnson City	TN	37602	(423) 282-4661		
86	Pacific Coast Building Products	H.C. Muddox	4875 Bradshaw Rd	Sacramento	CA	95827-9705	Mark Nunes	Production Superintendent	4875 Bradshaw Rd	Sacramento	CA	95827	(916) 368-4567	Normita Callison	(916) 339-8128
87	Mutual Materials Co	Mica Brick Plant Facility	10627 South State Hwy 27	Mica	WA	99023	George Beamer	Assistant R&D Lab Director	PO Box 14705	Spokane	WA	99214	(509) 924-2120		

TABLE 1. (CONTINUED)

FACID	Company	Facility	Street	City	State	Zip	Respondent	Title	Resp. Street	Resp. City	Resp state	Resp zip	Resp Telephone	Other contact	Other telephone
88	Mutual Materials Co	Newcastle Brick Plant Facility	6620 Coalcreek Parkway SE	Renton	WA	98055	George Beamer	Assistant R&D Lab Director	PO Box 14705	Spokane	WA	99214	(509) 924-2120		
89	Richland Moulded Brick Co	Richland Moulded Brick Co	1000 Richland Shale Rd, P.O. Box 1711	Mansfield	OH	44901	Scott W. Frame, PE	Vice President					(419) 524-0000		(205) 237-2887
90	Sioux City Brick and Tile Co	United Brick & Tile, Adel Plant	1831 W. Main St, P.O. Box 35	Adel	IA	50003	Steven G. Gerhart	Vice President of Administration	310 S Floyd Blvd, PO Box 807	Sioux City	IA	51102	(712) 258-6571	Larry Smidt	(515) 993-4549
91	Stiles and Hart Brick Co	The Stiles and Hart Brick Co	Cook Street, P.O. Box 367	Bridgewater	MA	2324	Francis O. Mansfield	Vice President					(508) 697-6928		
92	Justin Industries	Acme Brick-Kanopolis Plant	1915 Arenia L	Kanopolis	KS	67454	Mike Vickers	Director of Research					(940) 382-3573	Robert Simmons	(940) 382-3573
93	Justin Industries	Acme Brick-Weir Plant	South Washington St	Weir	KS	66781	Mike Vickers	Director of Research					(940) 382-3573	Robert Simmons	(940) 382-3573
94	Justin Industries	Acme Brick-Dixie Plant	3457 Hwy 792	Jamestown	LA	71045	Mike Vickers	Director of Research					(940) 382-3573	Robert Simmons	(940) 382-3573
95	Justin Industries	Acme Brick-Oklahoma City Plant	500 E. Memorial Rd	Oklahoma City	OK	73114	Mike Vickers	Director of Research					(940) 382-3573	Bob Simmons	(940) 382-3573
96	Justin Industries	Acme Brick-Tulsa Plant	4103 Dawson Rd	Tulsa	OK	74115	Mike Vickers	Director of Research					(940) 382-3573	Robert Simmons	(940) 382-3573
97	Justin Industries	Acme Brick-Denton Tunnel Plant	220 E Danels Plant	Denton	TX	76205	Mike Vickers	Director of Research					(940) 382-3573	Robert Simmons	(940) 382-3573
98	Justin Industries	Acme Brick-Elgin Tunnel Plants	FM Road 696	Elgin	TX	78621	Mike Vickers	Director of Research					(940) 382-3573	Bob Simmons	(940) 382-3573
99	Justin Industries	Acme Brick-McQueeney Plant	FM 125	McQueeney	TX	78123	Mike Vickers	Director of Research					(940) 382-3573	Robert Simmons	(940) 382-3573
100	Wienerberger Group (General Shale)	Cherokee Sanford Beltsville Facility	7100 Murikirk Rd	Beltsville	MD	20705	J. Warren Paschal	Environmental Compliance Manager	1600 Colon Rd	Sanford	NC	27330	(919) 774-5306		
101	Wienerberger Group (General Shale)	Cherokee Sanford Moncure Facility	SR1923	Moncure	NC	27330	J. Warren Paschal	Environmental Compliance Manager	1600 Colon Rd	Sanford	NC	27330	(919) 774-5306		
102	Wienerberger Group (General Shale)	Cherokee Sanford Lee County Facility	737 Colon Rd	Sanford	NC	27330	J. Warren Paschal	Environmental Compliance Manager	1600 Colon Rd	Sanford	NC	27330	(919) 774-5306		
103	Wienerberger Group (General Shale)	Cherokee Sanford Sanford Facility	1600 Colon Rd	Sanford	NC	27330	J. Warren Paschal	Environmental Compliance Manager	1600 Colon Rd	Sanford	NC	27330	(919) 774-5306		

TABLE 1. (CONTINUED)

FACID	Company	Facility	Street	City	State	Zip	Respondent	Title	Resp. Street	Resp. City	Resp state	Resp zip	Resp Telephone	Other contact	Other telephone
104	Kasten Clay Products Co	Kasten Clay Products Co	713 Lee Ave, Hwys 25 & 61	Jackson	MO	63755	Quent Kasten	Engineering Manager					(573) 243-3591		
105	Can Clay Corp	Can Clay Corp	402 Washington St	Cannelton	IN	47520	Mark Bruce	President					(812) 547-3461		
106	MCP Industries, Inc	Mission Clay Products Phoenix	4850 W. Buckeye Rd	Phoenix	AZ	85043	A. Joel Frazier	Manager Ceramic Technology					(316) 231-1400		
107	MCP Industries, Inc	Mission Clay Products Corona	23835 Temescol Canyon Rd	Corona	CA	91719-5235	A. Joel Frazier	Manager Ceramic Technology					(316) 231-1400		
108	MCP Industries, Inc	Mission Clay Products Pittsburg	900 E. 2nd	Pittsburg	KS	66762	A. Joel Frazier	Manager Ceramic Technology					(316) 231-1400		
109	MCP Industries, Inc	Mission Clay Products Sasparco	Old Corpus Christi Rd	Elmendorf	TX	78112	A. Joel Frazier	Manager Ceramic Technology					(316) 231-1400		
110	Belden Brick Co	Plant 1 Strasburg	7666 Reed Rd, NW	Strasburg	OH	44680	John C. Jensen	Manager of Environmental Operations	PO Box 430	Sugarcreek	OH	44681	(330) 852-2424		
111	Belden Brick Co	Plant #3 Sugarcreek	690 Dover Rd NE	Sugarcreek	OH	44681	John C. Jensen	Manager of Environmental Operations	PO Box 430	Sugarcreek	OH	44681	(330) 852-2424		
112	Belden Brick Co	Sugarcreek Plants 4,6,& 8	(#4's) 475 Dover Rd, NC	Sugarcreek	OH	44687	John Jensen	Manager of Environmental Operations	PO Box 430	Sugarcreek	OH	44681	(330) 852-2424		
113	Morin Brick Co	Morin Brick Co	Old Danville Rd, P.O. Box 36	Danville	ME	4223	Norman E. Davis	Treasurer					(207) 784-9375		
114	Mutual Materials Co	Columbia Brick Plant Facility	2300 S.E. Hogan Rd	Gresham	OR	97080	George Beamer	Assistant R&D Lab Director	POBox 14705	Spokane	WA	99214	(509) 924-2120		
115	Southern Brick & Tile Co, Inc	Southern Brick & Tile Co, Inc	8589 Hwy 178 W	Byhalia	MS	38611	R. D. Kight	President					(601) 838-2141		
116	Summit Pressed Brick and Tile Co	Brick Plant and Storage Yard	13 th and Erie St	Pueblo	CO	81001	Ed Henne	Director Environmental Health and Safety					(719) 542-8278		
117	Superior Clay Corp	Superior Clay Corp	6566 Superior Rd SE, P.O. Box 352	Uhrichsville	OH	44683	Elmer W. McClave III	Vice President					(740) 922-4122		
118	Justin Industries	Texas Clay	West Bartlett St	Malakoff	TX	75148	Maury Ward	President	PO Box 469	Malakoff	TX	75148	(903) 489-1331	Bob Ferbend	(817) 860-0274
119	Tri-State Brick & Tile	B- Plant	2050 Forest Ave	Jackson	MS	39213	Carl Craig	QC Supervisor					(601) 981-1410		
120	Texas Industries	Athens Brick Caddo Plant	8469 Barnette Rd	Mooringsport	LA	71060	Robert B. Cain	Senior Environmental Engineer	1341 W. Mockingbird Lane	Dallas	TX	75247	(972) 647-3932		

TABLE 1. (CONTINUED)

FACID	Company	Facility	Street	City	State	Zip	Respondent	Title	Resp. Street	Resp. City	Resp state	Resp zip	Resp Telephone	Other contact	Other telephone
121	Texas Industries	Athens Brick Mineral Wells Plant	7510 Hwy 180 East	Mineral Wells	TX	76080	Robert B. Cain	Senior Environmental Engineer	1341 W. Mockingbird Lane	Dallas	TX	75247	(972) 647-3932		
122	Ochs Brick Co	Ochs Brick Co-Springfield Plant	915 East Rock St	Springfield	MN	56087	Phil Weller	Plant Manger VA production	Hwy 14 E, PO Box 106	Springfield	MN	56087	(507) 723-4221	Andy Reiter	(507) 723-4221
123	Pacific Coast Building Products	Gladding McBean	601 7th St	Lincoln	CA		Normita Callison	Corp. Environmental Specialist					(916) 339-8128		
124	Watson town Brick Co	Watson town Brick Co	P.O. Box 68, South Main St	Watson town	PA	17777	Michael Fisher	President					(717) 538-2555		
125	Justin Industries	Acme Brick-Bridgeport Plant	102 Main St	Bridgeport	TX	76426	Mike Vickers	Director of Research					(940) 382-3573	Robert Simmons	(940) 382-3573
126	Justin Industries	Acme Brick-Garrison Plant	257 Brickyard Rd	Garrison	TX	75946	Mike Vickers	Director of Research					(940) 382-3573	Robert Simmons	(940) 382-3573
127	Justin Industries	Acme Brick-Fort Smith Plant	2723 Old Greenwood Rd	Fort Smith	AR	72903	Mike Vickers	Director of Research					(940) 382-3573	Bob Simmons	(940) 382-3573
128	Justin Industries	Acme Brick-San Felipe Plant	562 Peter San Felip Rd	Sealy	TX	77474	Mike Vickers	Director of Research					(940) 382-3573	Robert Simmons	(940) 382-3573
129	Justin Industries	Acme Brick-Ouachita Plant	Grigsby Ford Rd	Malvern	AR	72104	Mike Vickers	Director of Research					(940) 382-3573	Bob Simmons	(940) 382-3573
130	Belden Brick Co	Plant #9 Sugarcreek	225 E. Main St	Sugarcreek	OH	44681	John C. Jensen	Manager of Environmental Operations	PO Box 430	Sugarcreek	OH	44681	(330) 852-2424		
131	Boral Industries, Inc	Boral Bricks, Phenix City, Plant 3	100 Brickyard Rd, Plant 3	Phenix City	AL	36869	Andrew S. R. Wichers	Regional Safety Manager	PO Box 1178	Columbus	GA	31902-1178	(334) 480-2407	David Johnson	(334) 480-2487
132	Boral Industries, Inc	Boral Bricks, Phenix City, Plant 1 & 2	100 Brickyard Rd, Plant 1	Phenix City	AL	36865	Andrew S. R. Wichers	Regional Safety Manager	PO Box 1178	Columbus	GA	31902-1178	(334) 480-2407	David Johnson	(334) 480-2487
133	Boral Industries, Inc	Boral Bricks, Augusta Plants 3 & 5	1630 Athern Rd	Augusta	GA	30901	Guiomar Obregon	Analyst	500 Northridge Rd, Suite 300	Atlanta	GA	30350	(770) 645-4500	David Johnson	(334) 480-2487
134	Commercial Brick Corp	Commercial Brick Corp	Old Hwy 270	Wewoka	OK	74884	Bob Hartsock	President	PO Box 1382	Wewoka	OK	74884	(405) 257-6613		
135	Lee Brick and Tile Co	Lee Brick and Tile Co	3704 Hawkins Ave	Sanford	NC	27330	J. R. Holton	Secretary/Treasurer					(919) 774-4800	Nathan J. Hansen	(919) 755-5011
136	Old Carolina Brick Co	Old Carolina Brick Co	425 Majolica Rd	Salisbury	NC	28144	Scott W. Frame, PE	Vice President	PO Box 1617	Anniston	AL	36202	(205) 237-2887		
137	Pine Hall Brick Co, Inc	Madison Plant	634 Lindsay Bridge Rd	Madison	NC	27025	Harold Newman	Manager of Technical Services					(336) 548-6007		
138	Boral Industries, Inc	Boral Bricks, Marshall Plant	1920 N. Franklin St	Marshall	TX	75670	Guiomar Obregon	Analyst	500 Northridge Rd, Suite 300	Atlanta	GA	30350	(770) 645-4500	David Johnson	(334) 480-2487

TABLE 1. (CONTINUED)

FACID	Company	Facility	Street	City	State	Zip	Respondent	Title	Resp. Street	Resp. City	Resp state	Resp zip	Resp Telephone	Other contact	Other telephone
139	L.P. McNear Brick Co, Inc	McNear Brickyard	1 McNear Brickyard Rd	San Rafael	CA	94901	Dan McNear	Vice President	PO Box 151380	San Rafael	Ca	94915	(415) 453-7702		
140	Sioux City Brick and Tile Co	Sergeant Bluff Plant	504 F St	Sergeant Bluff	IA	51054	Steven G. Gerhart	Vice President of Administration	310 South Floyd Blvd, PO Box 807	Sioux City	IA	51102	(712) 258-6571	Robert Sheets	(712) 943-5581
141	Stark Ceramics, Inc	Stark Ceramics, Inc	600 West Church St	East Canton	OH	44730	Surinder Maheshwary	Vice President of Operations					(330) 488-1211		
142	Logan Clay Products	Logan Clay Products	201 S. Walnut St	Logan	OH	43138	William Heft	Plant Superintendent					(740) 385-2184	David Chapman	(740) 385-2184
143	Justin Industries	Acme Brick-Perla Plant	US Hwy 67 North	Malvern	AR	72104	Mike Vickers	Director of Research					(940) 382-3573		
144	Texas Industries	Athens Brick Plant	200 Athens Brick Rd	Athens	TX	75751	Robert B. Cain	Senior Environmental Engineer	1341 W Mockingbird Lane	Dallas	TX	75247	(972) 647-3932		
145	Jordan Industries	Hebron Brick Plant	1000 Washington Ave, East	Hebron	ND	58638	Brian Jennings	Project Manager					(701) 878-4428		
146	Boral Industries, Inc	U.S. Tile	909 West Railroad St	Corona	CA	91720	Victor F. Mena	HR & Safety Manager					(909) 737-0200		
147	Yankee Hill Brick and Tile	Yankee Hill Brick and Tile	3705 S. Coddington	Lincoln	NE	68522	Dave Kendle	Plant Engineer					(402) 477-6663 ext. 45		
148	Belden Brick Co	Redland Brick-K F Plant	1440 John Fitch Blvd.	South Windsor	CT	6074	Barry Miller	Manager-Safety, Environmental & Quality	15718 Clear Spring Rd	Williamsport	MD	21795	(301) 223-7700 ext. 7147	Simon Whalley	(301) 223-7700 ext. 7147
149	Belden Brick Co	Redland Brick-Cushwa Plant	15718 Clear Spring Rd, P.O. Box 160	Williamsport	MD	21795	Barry Miller	Manager-Safety, Environmental & Quality					(301) 223-7700 ext. 7147	Simon Whalley	(301) 223-7700 ext. 7147
150	Hanson, PLC	US Brick, Inc - Michigan	3820 East Serr Rd	Corunna	MI	48817	Dave Worthington	Environmental/Safety Director					(517) 743-3444		
151	Justin Industries	Acme Brick-Bennett Tunnel Plant	2350 Bennett Rd	Milsap	TX	76066	Mike Vickers	Director of Research					(940) 382-3573		
152	Carolina Ceramics (MKB Acquisitions)	Carolina Ceramics (MKB Acquisitions)	9931 Two Notch Rd	Columbia	SC	29223	Matt Shealy						(803) 788-1796 ext. 131		
153	Elgin-Butler Brick Co	Elgin Butler Brick Co	FM 696 (P.O. Box 546)	Elgin	TX	78621	Robert Butler	Mgr Safety, Env, Human Resource, & Quality Assurance					(512) 281-3358		
154	Pacific Coast Building Products	Interstate Brick Co	9780 South 5200 West	West Jordan	UT	84088	Brady Anderton	Process Engineer					(801) 280-5287	Normita Callison	(916) 339-8128
155	The Denver Brick Co	The Denver Brick Co	401 North Santa Fe Rd	Castle Rock	CO	80104	Ronald W. Stuart	Environmental Manager					(303) 688-6951		

TABLE 1. (CONTINUED)

FACID	Company	Facility	Street	City	State	Zip	Respondent	Title	Resp. Street	Resp. City	Resp state	Resp zip	Resp Telephone	Other contact	Other telephone
156	New London Brick Works	New London Brick Works	17375 Old Beattie Ford Rd	Gold Hill	NC	28144	David P. Frame	President	17375 Old Beattie Ford	Gold Hill	NC	28144	(704) 279-6901		
157	Robinson Brick Co	Robinson Brick Co	1845 W. Dartmouth Ave	Denver	CO	80110	Michael Leidich	Vice President, Mining and Materials					(303) 783-3047		
158	General Finance, Inc	Cloud Ceramics	RR 3 P.O. Box 369	Concordia	KS	66901	Donald E. Kling	President and General Manager	611 East 13th St	Concordia	KS	66901	(785) 243-7922	Andy Reiter	(785) 243-1284
159	Ragland Clay Products, LLC	Ragland Clay Products, LLC	J.C. Ford Industrial Dr, P.O. Box 160	Ragland	AL	35131	Geoff Dunlap	President					(205) 472-2136		
179	Saint Joe Brick Works, Inc	Saint Joe Brick Works, Inc	63076 Highway 1091	Pearl River	LA	70452	M.P. (Pete) Schneider	President	P.O. Box 400	Slidell	LA	70459	(504) 863-6161		
181	Certainteed Corporation	Ludowici Roof Tile, Inc.	4757 Tile Plant Road	New Lexington	OH	43764	Brad Smith	Plant Engineer					(740) 342-1995		
183	London Tile Company	London Tile Company	65 Walnut Street	New London	OH	44851	Sylvia Danison	President					(419) 929-1551		
184	Metropolitan Ceramics, Inc.	Metropolitan Ceramics, Inc.	1201 Millerton Road, SE	Canton	OH	44707	Philip McGuinness	Technical Director					(330) 486-4887		
185	Seneca Tiles, Inc.	Seneca Tiles, Inc.	7100 S. County Road. 23	Attica	OH	44807	James D. Fry	President					(419) 426-3561		
186	Summitville Tiles, Inc.	Summitville Tiles, Inc.-Minerva Plant	1310 Alliance Road, P.O. Box 283	Minerva	OH	44657	James A. Miller	Plant Manager					(330) 868-6771		
187	Summitville Tiles, Inc.	Summitville Factory	State Route 644	Summitville	OH	43962	John H Hothem	Vice President					(330) 223-1511		
188	Dti Investors, LLC	Dal-Tile, Fayette, Alabama	1470 Country Road, 21 South	Fayette	AL	35555	Normain Shain	Environmental/Safety Coordinator	P.O. Box 170130	Dallas	TX	75217-0130	(214) 309-3492		
189	Dti Investors, LLC	Dal-Tile, Lewisport, Kentucky	675 Melanie Lane	Lewisport	KY	42351	Norman Shain	Environmental/Safety Coordinator	7834 C.F. Hawn Freeway	Dallas	TX		(214) -30-9-3492		
160NR	Snyder Brick and Tile	Snyder Brick and Tile	901 East US Highway 180	Snyder	TX	79549									
161NR	General Clay Products Corp	General Clay Products Corp	550 Zanesville Avenue	Logan	OH	43138									
162NR	General Clay Products Corp	General Clay Products Corp	39420 US Highway 33	Nelsonville	OH	45764									
163NR	General Clay Products Corp	General Clay Products Corp	9866 Mount Eaton Road	Wadsworth	OH	44281									
164NR	Ibstock, PLC (Glen-Gery Corp)	Glen-Gery Corp	1519 Highway 6	Redfield	IA	50233									
165NR	Ibstock, PLC (Glen-Gery Corp)	Glen-Gery Corp	101 Brick Road	Chillicothe	MO	64601									

TABLE 1. (CONTINUED)

FACID	Company	Facility	Street	City	State	Zip	Respondent	Title	Resp. Street	Resp. City	Resp state	Resp zip	Resp Telephone	Other contact	Other telephone
166NR	Ibstock, PLC (Glen-Gery Corp)	Glen-Gery Corp	95 Hamilton Road	Hillsborough	NJ	8844									
167NR	Ibstock, PLC (Glen-Gery Corp)	Glen-Gery Corp	5692 Rinker Road	Caledonia	OH	43314									
168NR	Ibstock, PLC (Glen-Gery Corp)	Glen-Gery Corp	3785 Cardington Iberia Road	Iberia	OH	43325									
169NR	Ibstock, PLC (Glen-Gery Corp)	Glen-Gery Corp		Bigler	PA	16825									
170NR	Ibstock, PLC (Glen-Gery Corp)	Glen-Gery Corp	423 South Pottsville Pike	Shoemakersville	PA	19555									
171NR	Ibstock, PLC (Glen-Gery Corp)	Glen-Gery Corp		Summerville	PA	15864									
172NR	Ibstock, PLC (Glen-Gery Corp)	Glen-Gery Corp	1090 East Boundary Avenue	York	PA	17403									
173NR	Ibstock, PLC (Glen-Gery Corp)	Glen-Gery Corp	9905 Godwin Drive	Manassas	VA	20110									
174NR	Hope Brick Works	Hope Brick Works	East Avenue A	Hope	AR	71801									
175NR	Kansas Brick and Tile Co	Kansas Brick and Tile Co	Highway 281	Hoisington	KS	67544									
176NR	Pacific Clay Products	Pacific Clay Products	14741 Lake Street	Lake Elsinore	CA	92530									
177NR	Iskilar Brick, Inc	Powell & Minnock Brick Works, Inc		Coeymans	NY	12045									
178NR	International Chimney Corp	Continental Clay Co	260 Oak Avenue	Kittanning	PA	16201									
180NR	Vermont Brick Manufacturing, LP	Vermont Brick	P.O. Box 330	Highgate	VT	5459									
182NR	Yadkin Brick Company, Inc.	Yadkin Brick	44052 Yadkin Brick Road	New London	NC	28127									

TABLE 2: FACILITY INFORMATION, PART II

FACID	Latitude	Longitude	SIC	Dun & Bradstreet	Company employees	Facility employees	Shift 1 employees	Shift1 hrs	Shift 1 days	Shift 2 employees	Shift 2 hrs	Shift2 days	Shift 3 employees	Shift 3 hrs	Shift 3 days	Other standard	Permit	Facility type	Major source status
1	380525	854317	3251	003383361	1600	110	99	8	250	9	8	250	2	8	250	FALSE	TRUE	B	major
2	314720	1063230	3251	008404410	40	40	34	8	255	4	8	255	2	8	365	FALSE	FALSE	B	major
3	334857	1171429	3251		44	5	4	8	250	1	8	250				FALSE	FALSE	B	major
4	335400	1181500	3251		44	30	24	8	250	2	8	365	2	8	365	FALSE	FALSE	B	major
5	332034	865810	3251	003275682	1500	49	45	10	312	3	8	312	1	8	364	TRUE	FALSE	B	major
6	332058	865730	3251	003275682	1500	48	25	10	258	22	10	258	1	8	365	FALSE	TRUE	B	major
7	332559	815913	3251	003275682	1500	41	41	8	260							TRUE	FALSE	B	major
8	393619	771932	3251	003275682	750	35	33	8	250	1	8	365	1	8	365	FALSE	FALSE	B	major
9	344143	794933	3251		160											FALSE	FALSE	B	area (synth)*
10	330537	883425	3251	003275682	1500	99	96	10	281	1	8	364	1	1	364	TRUE	FALSE	B	major
11	335825	811135	3251	003275682	1500	53	41	8	270	7	8	270	5	12	183	FALSE	FALSE	B	major
12	361357	883758	3251	003275682	1500	47	45	8	250	1	8	365	1	8	365	FALSE	FALSE	B	major
13	321051	944717	3251	026389254	1500	128	125	10	312	3	12	182				FALSE	TRUE	B	major
14	402600	811119	3251		80	30	25	8	250	3	8	250	2	8	250	FALSE	TRUE	B	major
15	400439	821501	3251		80	33	28	8	250	3	8	250	2	8	250	FALSE	TRUE	B	major
16	364510	775200	3251	003134384	120	42	40	8	260	1	8	260	1	8	260	FALSE	TRUE	B	major
17	364543	774655	3251	003134384	120	65	63	8	260	1	8	260	1	8	260	FALSE	TRUE	B	major
17	343022	1183657	3251		90	90	80	8	260	8	8	260	2	8	260	FALSE	FALSE	B	area*
19	324735	833735	3251	003321916	222	222	200	10	260	13	10	260	4	10	260	FALSE	TRUE	B	major
20	332515	1120502	3251		90	90	84	10	260	2	8	365	2	8	365	FALSE	TRUE	B	major
21	291949	991646	3251		35	35	35	8	250							FALSE	FALSE	B	area
22	484838	802540	3251		1600	80	2	8	365	58	8	260	20	8	260	TRUE	FALSE	B	major
23	400435	970735	3251	007268535	195	190	157	9	280	26	9	280	7	9	280	FALSE	TRUE	B	major
24	275936	821013	3251		45	45	39	9	312	3	11	260	3	8	365	FALSE	TRUE	B	area
25	350200	803500	3251		1500	180										FALSE	FALSE	B	major
26	355804	794603	3251		1500	82										FALSE	FALSE	B	major
27	345830	783330	3251		1500	59										FALSE	FALSE	B	major
28	350700	812927	3251		1500	43										FALSE	FALSE	B	major
29	382215	824430	3251		1500	30										FALSE	FALSE	B	major
30	375234	834132	3251		1500	75										FALSE	FALSE	B	major
31	340315	810345	3251		1500	190										FALSE	FALSE	B	major
32	340920	815720	3251		1500	120										FALSE	FALSE	B	major
33	395624	872818	3251		47	47	41	8	250	2	8	365	2	8	365	FALSE	FALSE	B	area
34	333051	882446	3251		58	58	46	8	260	1	8	365	1	8	365	FALSE	FALSE	B	major
35	322730	861949	3251		380	88	74	8	260	10	8	260	2	8	365	FALSE	FALSE	B	major

TABLE 2. (CONTINUED)

FACID	Latitude	Longitude	SIC	Dun & Bradstreet	Company employees	Facility employees	Shift 1 employees	Shift 1 hrs	Shift 1 days	Shift 2 employees	Shift 2 hrs	Shift 2 days	Shift 3 employees	Shift 3 hrs	Shift 3 days	Other standard	Permit	Facility type	Major source status
36	322358	861812	3251		380	41	39	8	260	1	8	365	1	8	365	FALSE	FALSE	B	major
37	305422	903055	3251		75	75	75	8	260							FALSE	TRUE	B	major
38	3503	1063700	3251		25	25	21	8	250	4	8	365				FALSE	TRUE	B	area
39	394415	1050352	3251		109	32	30	8	286	2	8	365	1	8	365	FALSE	FALSE	B	major
40	330708	8901	3251		38	38	33	9	255	2	12	182	3	8	255	FALSE	FALSE	B	major
41	411917	884059	3251		4700	63	57	8	260	5	8	260	1	8	365	FALSE	TRUE	B	major
42	400734	752908	3251		31	29	1	8	365	26	8	260	1	8	365	FALSE	TRUE	B	major
43	361012	775419	3251	003193190	57	53	49	8	230	1	8	329	1	8	329	FALSE	TRUE	B	major
44	3745	8710	3251		30	26	2	8	365	21	8	260	2	8	365	FALSE	TRUE	B	area
45	384835	895644	3251		70	61	61	8	252							FALSE	FALSE	B	major
46	354249	810235	3251	003217148	73	73	69	8	260	4	12	365				FALSE	TRUE	B	major
47	353715	803115	3251		78	78	74	8	351	4	12	351				FALSE	FALSE	S	major
48	355020	785307	3251	003182672	501	31	23	8	365	6	8	365	2	8	365	FALSE	TRUE	B	major
49	353800	790000	3251	003182672	501	69	56	8	365	13	8	365	0	8	365	TRUE	TRUE	B	major
50	341319	793106	3251		66	66										FALSE	FALSE	B	major
51	345122	805055	3251	003275682	1500	116	110	9	270	3	10	270	3	10	270	TRUE	FALSE	B	major
52	334830	842919	3251	003383361	1600	103	77	8	250	19	8	250	7	8	250	FALSE	TRUE	B	major
53	334846	842849	3251	003383361	1600	69	39	8	250	27	8	250	3	8	250	FALSE	TRUE	B	major
54	393429	862207	3251	003383361	1600	105	83	8	250	20	8	250	1	8	250	FALSE	TRUE	B	major
55	365355	840537	3251	003383361	1600	60	57	8	250	2	8	250	1	8	250	TRUE	TRUE	B	major
56	360340	792530	3251	003383361	1600	27	25	8	250	1	8	250	1	8	250	FALSE	TRUE	B	major
57	361946	822022	3251	003383361	1600	81	70	8	250	7	8	250	4	8	250	FALSE	TRUE	B	major
58	363226	823330	3251	003383361	1600	110	94	8	250	8	8	250	8	8	250	FALSE	TRUE	B	major
59	353748	835337	3251	003383361	1600	94	68	8	250	20	8	250	6	8	250	TRUE	TRUE	B	major
60	365258	812231	3251	003383361	1600	95	81	8	250	12	8	250	2	8	250	FALSE	TRUE	B	major
61	372115	794940	3251	003383361	1600	119	101	8	250	16	8	250	2	8	250	TRUE	TRUE	B	major
62	381216	781351	3251	003383361	1600	63	51	8	250	8	8	250	4	8	250	FALSE	FALSE	B	major
63	335746	1174121	3251	042403857	25	16	16	9	210							FALSE	TRUE	B	major
64	392558	775730	3251		43	43	39	8	260	2	8	365	2	8	365	FALSE	FALSE	B	major
65	352800	932500	3251		60	60	58	8	260	1	8	260	1	8	260	FALSE	TRUE	B	major
66	403330	795030	3251	614389427	750	36	33	8	260	2	8	260	1	8	365	FALSE	TRUE	B	major
67	344708	892708	3251		1500	43										FALSE	FALSE	B	major
68	372654	790723	3251		159	40	40	10	200	3	8	200	2	8	200	FALSE	TRUE	B	major
69	371706	800600	3251		159	91	85	10	200	4	8	200	2	8	200	FALSE	TRUE	B	major

TABLE 2. (CONTINUED)

FACID	Latitude	Longitude	SIC	Dun & Bradstreet	Company employees	Facility employees	Shift 1 employees	Shift 1 hrs	Shift 1 days	Shift 2 employees	Shift 2 hrs	Shift 2 days	Shift 3 employees	Shift 3 hrs	Shift 3 days	Other standard	Permit	Facility type	Major source status
70	324856	980693	3251		1500	68										FALSE	FALSE	B	major
71	411530	1125730	3251		40	34	30	9	260	2	12	182	2	12	182	FALSE	FALSE	B	major
72	353953	850013	3251	003275682	1500	188	81	8	365	54	8	365	53	8	365	TRUE	FALSE	B	major
73	334916	843004	3251	003275682	1500	59	42	9	357	17	10	357				FALSE	FALSE	B	major
74	324926	833710	3251	003275682	1500	38	38	9	286							FALSE	FALSE	B	major
75	351000	904530	3251	007016686	45	41	39	10	254	2	12	182				FALSE	FALSE	B	major
76	345305	9930	3251		52	52	47	8	260	2	8	365	1	8	365	FALSE	FALSE	B	major
77	293752	981529	3251		1500	37										FALSE	FALSE	B	major
78	322431	865953	3251	003395811	97	97	93	8	260	2	12	365	2	12	365	FALSE	FALSE	B	major
79	434209	702431	3251		76	31	28	8	365	1	8	365	1	8	365	FALSE	TRUE	B	area
80	402600	814000	3251	004465498	65	65	61	8	260	2	8	260	2	8	260	FALSE	FALSE	B	major
81	322346	850029	3251	003275682	1500	101	90	8	359	8	8	359	3	8	365	FALSE	FALSE	B	major
82	354053	952435	3251	003275682	1500	47	42	8	360	4	8	360	1	8	365	TRUE	FALSE	B	major
83	351038	812504	3251		109	41	39	8	260	1	8	365	1	8	365	FALSE	FALSE	B	major
84	354745	800802	3251		109	68	66	8	260	1	8	365	1	8	365	TRUE	TRUE	B	major
85	343528	863340	3251	003383361	1600	45	43	8	250	1	8	250	1	8	250	FALSE	TRUE	B	major
86	383200	1202000	3251	029043056	1500	58	50	8	260	7	8	260	1	8	260	FALSE	FALSE	B	major
87	473351	1171256	3251	009244377	499	61	59	8	260	1	8	365	1	8	365	TRUE	TRUE	B	major
88	473200	1220900	3251	009244377	499	58	46	8	260	11	8	260	1	8	365	FALSE	TRUE	B	major
89	404730	823000	3251		41	39	37	8	255	1	8	360	1	8	360	TRUE	FALSE	B	major
90	413700	940157	3251	007273915	240	106	104	8	260	1	8	365	1	8	365	FALSE	FALSE	B	major
91	415821	705832	3251		36	36	36	8	230							FALSE	TRUE	B	major
92	384244	980902	3251		1500	34										FALSE	FALSE	B	major
93	371708	944343	3251		1500	41										FALSE	FALSE	B	major
94	322211	931248	3251		1500	35										FALSE	FALSE	B	major
95	353609	973801	3251		1500	45										FALSE	FALSE	B	major
96	361048	955548	3251	008018772	1500	75										FALSE	FALSE	B	major
97	331111	970805	3251		1500	128										FALSE	FALSE	B	major
98	301909	971736	3251		1500	70										FALSE	FALSE	B	major
99	293421	980223	3251		1500	70										FALSE	FALSE	B	major
100	390342	765303	3251	003191509	1600	67	65	8	365	1	8	365	1	8	365	FALSE	TRUE	B	major
101	353300	7009	3251	003191509	1600	170	160	8	365	7	8	365	3	8	365	FALSE	TRUE	B	major
102	352948	791006	3251	003191509	1600	73	69	12	365	4	12	365				FALSE	TRUE	B	major
103	353133	790941	3251	003191509	1600	189	151	12	365	38	12	365				TRUE	TRUE	B	major

TABLE 2. (CONTINUED)

FACID	Latitude	Longitude	SIC	Dun & Bradstreet	Company employees	Facility employees	Shift 1 employees	Shift 1 hrs	Shift 1 days	Shift 2 employees	Shift 2 hrs	Shift 2 days	Shift 3 employees	Shift 3 hrs	Shift 3 days	Other standard	Permit	Facility type	Major source status
104	372230	894015	3251	006299242	35	35	35	8	286							FALSE	TRUE	B	major
105	375445	864500	3259		100	100										FALSE	TRUE	S	major
106	332613	1120949	3259		175	50										FALSE	FALSE	S	area
107	334647	1172908	3259		175	50										FALSE	FALSE	S	area
108	372130	944130	3259		175	50										FALSE	FALSE	S	area
109	291415	9818	3259		175	50										FALSE	FALSE	S	area
110	403400	813100	3251		750	24	22	8	260	1	8	365	1	8	365	FALSE	FALSE	B	major
111	403030	813730	3251		750	54	52	8	260	1	8	365	1	8	365	FALSE	TRUE	B	major
112	403030	813830	3251		750	216	208	8	260	4	8	365	4	8	365	FALSE	TRUE	B	major
113	440059	701603	3251		76	45	40	8	365	2	8	365	1	8	365	FALSE	TRUE	B	major
114	453853	1221708	3251	009244377	499	20	18	8	260	1	8	260	1	8	260	FALSE	FALSE	B	area*
115	345135	894014	3251		40	40	40	8	260							FALSE	TRUE	B	major
116	381651	1043542	3251		109	55	44	8	263	9	8	254	2	12	365	FALSE	FALSE	B	major
117	402240	812138	3251		50	50										FALSE	FALSE	S	major
118	320956	960115	3251	052120979	1500	120	116	8	250	2	8	365	2	8	365	TRUE	FALSE	B	major
119	321914	901227	3251	008150997	129	96	92	8	261	2	8	365	2	8	365	FALSE	FALSE	B	major
120	324000	935652	3251	041083627	2350	25	23	8	345	1	8	365	1	8	365	FALSE	FALSE	B	major
121	3247	9804	3251	041083403	2350	19	17	8	345	1	8	365	1	8	365	FALSE	FALSE	B	major
122	441441	945747	3251	006185417	80	49	48	8	255	1	12	365				FALSE	TRUE	B	major
123	385408	1221845	3259		1500	216										FALSE	TRUE	S	major
124	410346	765053	3251		40	33										FALSE	FALSE	B	major
125	331234	974628	3251		1500	17										FALSE	FALSE	B	major
126	315021	943032	3251		1500	17										FALSE	FALSE	B	major
127	352139	942343	3251		1500	52										FALSE	FALSE	B	major
128	294944	960823	3251		1500	110										FALSE	FALSE	B	major
129	342119	924951	3251		1500	47										FALSE	FALSE	B	major
130	403130	813800	3251		750	34	32	8	260	1	8	365	1	8	365	FALSE	TRUE	B	major
131	322404	850013	3251	003275682	1500	33	26	8	359	6	8	359	1	8	365	FALSE	FALSE	B	major
132	322404	850013	3251	003275682	1500	74	39	8	359	34	8	359	1	8	365	FALSE	FALSE	B	major
133	332717	815732	3251	003275682	1500	225	186	10	252	10	10	252	5	10	252	FALSE	FALSE	B	major
134	351030	963245	3251		130	130	95	9	260	35	9	260				TRUE	FALSE	B	major
135	353230	791130	3251	003225125	80	72	70	8	250	1	8	365	1	8	365	TRUE	TRUE	B	major
136	354132	803157	3251		49	44	41	8	255	1	8	360	1	8	360	TRUE	FALSE	B	area
137	362233	795939	3251	041414541	289	258	242	8	255	10	8	365	6	8	365	TRUE	TRUE	B	major

TABLE 2. (CONTINUED)

FACID	Latitude	Longitude	SIC	Dun & Bradstreet	Company employees	Facility employees	Shift 1 employees	Shift 1 hrs	Shift 1 days	Shift 2 employees	Shift 2 hrs	Shift 2 days	Shift 3 employees	Shift 3 hrs	Shift 3 days	Other standard	Permit	Facility type	Major source status
138	323335	942205	3251	003275682	1500	36	34	9	260	1	8	365	1	8	365	FALSE	FALSE	B	major
139	375907	1222802	3251		65	65	62	8	250	1	8	300	1	8	300	FALSE	TRUE	B	major
140	402427	962133	3251	007273915	240	88	86	8	260	1	8	365	1	8	365	FALSE	FALSE	B	major
141	404652	811743	3251	004461711	120	120	8	8	365	104	8	280	8	8	365	FALSE	FALSE	B	major
142	393208	822120	3259		110	100										FALSE	FALSE	S	major
143	342227	924653	3251		1500	135										FALSE	FALSE	B	major
144	321215	954922	3251	041083403	2350	49	46	8	345	2	8	365	1	8	365	FALSE	FALSE	B	major
145	465412	1020216	3251	006166821	6200	50	44	8	250	1	8	350	1	8	350	FALSE	FALSE	B	major
146	335309	1173436	3259	624855896	1500	119	68	8	260	19	8	260	32	8	286	FALSE	FALSE	S	major
147	404646	964500	3251		77	77	74	8	260	2	8	260	1	8	260	TRUE	TRUE	B	major
148	415012	723618	3251	614389427	750	45	28	8	260	13	8	260	4	8	260	TRUE	FALSE	B	major
149	393603	774930	3251	614389427	750	100	75	8	260	21	8	260	4	8	260	TRUE	TRUE	B	major
150	425930	840522	3251		1500	89										FALSE	FALSE	B	major
151	324100	980306	3251		1500	17										FALSE	FALSE	B	major
152	340642	805346	3251		100	60										FALSE	FALSE	B	major
153	301918	971722	3251	NA	120	113	98	8	260	1	8	365	1	8	365	FALSE	FALSE	S	major
154	403540	1120340	3251	280008028	1500	200	110	8	280	40	8	280	20	8	280	FALSE	FALSE	B	major
155	392244	1045122	3251	026048876	90	90	20	8	260	20	8	260	20	8	260	FALSE	FALSE	B	major
156	353000	801900	3251		10	8										FALSE	FALSE	B	area
157	393945	1050024	3251		175	100										FALSE	FALSE	B	major
158	393245	900736	3251	NA	53	53	49	8	253	4	8	365				TRUE	FALSE	B	major
159	333705	860705	3251	961543121	36	33	34	8	260	1	8	260	1	8	260	FALSE	FALSE	B	major
160NR	3243	1005500	3251		10											FALSE	FALSE	B	major
161NR	393239	822352	3251		136											FALSE	FALSE	B	major
162NR	3931	8225	3251		136											FALSE	FALSE	B	major
163NR	410019	814418	3251		136											FALSE	FALSE	B	major
164NR	413503	941142	3251		4700											FALSE	FALSE	B	major
165NR	393015	933010	3251		4700											FALSE	FALSE	B	major
166NR	403018	743730	3251		4700											FALSE	FALSE	B	major
167NR	403810	825824	3251		4700											FALSE	FALSE	B	major
168NR	403816	825202	3251		4700											FALSE	FALSE	B	major
169NR	405905	781824	3251		4700											FALSE	FALSE	B	major
170NR	402904	755753	3251		4700											FALSE	FALSE	B	major
171NR	410605	790954	3251		4700											FALSE	FALSE	B	major

TABLE 2. (CONTINUED)

FACID	Latitude	Longitude	SIC	Dun & Bradstreet	Company employees	Facility employees	Shift 1 employees	Shift1 hrs	Shift 1 days	Shift 2 employees	Shift 2 hrs	Shift2 days	Shift 3 employees	Shift 3 hrs	Shift 3 days	Other standard	Permit	Facility type	Major source status
I72NR	395731	764213	3251		4700											FALSE	FALSE	B	major
I73NR	384427	773013	3251		4700											FALSE	FALSE	B	major
I74NR	3338	9335	3251		32											FALSE	FALSE	B	major
I75NR	383637	985155	3251		47											FALSE	FALSE	B	major
I76NR	334335	1172333	3251		150											FALSE	FALSE	B	major
I77NR	422901	734722	3251		200											FALSE	FALSE	B	major
I78NR	4049	7929	3251		140											FALSE	FALSE	B	major
179	3023	8944	3251		41	31	27	8	252	2	12	208	2	12	130	FALSE	FALSE	B	area
I80NR			3251		22											FALSE	FALSE	B	area
181	394245	821430	3253		1500	120										FALSE	FALSE	S	major
I82NR	352717	800949	3251		35											FALSE	FALSE	B	major
183	4105	8224	3253		6	6	6	8	260							FALSE	FALSE	S	area
184	404630	812215	3253		136	136	90	10	350	3	12	350				TRUE	TRUE	S	major
185	4104	8253	3253		45	43	40	8	250	2	16	350	1	8	350	FALSE	TRUE	S	area
186	404222	810724	3253		550	124	115	8	260	8	8	260	1	8	260	FALSE	TRUE	S	major
187	400408	800534	3253		550	193	144	8	260	47	8	260	2	8	260	FALSE	FALSE	S	area
188	334149	875224	3253	002347003	4800	95	40	8	251	40	8	251	15	8	251	FALSE	TRUE	S	major
189	375546	865416	3251	002347003	4800	148	126	12	251	22	12	251				FALSE	TRUE	S	major