

APPROVAL AND REGISTRATION PROCEDURES FOR INCINERATORS:

Before an incinerator may be constructed and operated in the State of Alabama, it must first be approved by this Department. A unit can be approved by one of the following methods:

1. The incinerator model can be on the Department's approved list (copy enclosed). By being on this list, a particular model has proven that it can comply with applicable regulations while burning a specific type of waste.
2. If the unit is not on the Department's approved list, the manufacturer may provide the Department with previously conducted Method 5 and 9 test results that indicate that the unit is capable of complying with applicable regulations while burning a specific type of waste. That unit can then be placed on the approved list and, therefore, can be approved for installation.
3. If no Method 5 and 9 has been performed on a specific model, the unit can be conditionally approved to be installed and operated with the understanding that a Method 5 and 9 test will be conducted at the expense of either the manufacturer or the facility installing the unit. If the results submitted are acceptable (indicating compliance), the unit's construction and operation will be approved and that model will be placed on the Department's approved list. If the test does not prove compliance, the unit must either be modified in some way in order to comply with the emission limit and retested or it must not be operated.

Attached is the necessary registration form for incinerators required by this Department. This form must be completed and submitted for approval to construct and operate an incinerator.

QUESTIONS OR ADDITIONAL INFORMATION CONTACT:

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Air Division Fax Number 334/279-3044

Attachments

WASTE INFORMATION

(Please refer to the attached I.I.A. classification for type of waste.)

- (9) **Type of waste to be incinerated:** Circle 0 1 2 3 4 5 6 Other: _____
- (10) **Describe, in detail, the composition of the waste to be incinerated:** _____

- (11) **Give a general description as to where the waste is generated:** _____

- (12) **Will any of the waste come from off premises?** (check one) _____ Yes _____ No
If "Yes" is checked, please complete the following in detail:
 - (a) **Origin of waste:** _____
 - (b) **Constituents of waste:** _____
 - (c) **Quantity to be incinerated:** _____
- (13) **Describe, in detail, how the remaining waste material from process will be disposed of?**

- (14) **By what means is the waste charged?** (check one) _____ Batch _____ Periodically
_____ Continuous

OPERATING SCHEDULE INFORMATION

- (15) **Average Operating Schedule:**

Hours per day	Time	Days per Week	Circle Days	Weeks per year
	From: _____ To: _____		S M T W T F S	

- (16) **Incinerator Capacity Information**

- (a) **Design Charging Rate:** _____ pounds per hour
- (b) **Maximum Charging Rate:** _____ pounds per hour

INCINERATOR INFORMATION

- (17) **Stack height above grade:** _____ feet
Stack diameter: _____ feet
- (18) **Chamber Type** (*check one*): _____ Single Chamber _____ Multiple Chamber
_____ Other (*specify*) _____
- (19) **Burner controls** (*check one*): _____ Automatic _____ Manual
- (20) **Air Pollution Controls** (*check one*):
_____ Wet scrubber; _____ water flow rate in gal/hr.
_____ Precipitator
_____ Afterburner; _____ BTU/hr
_____ None
_____ Other (*specify*): _____
- (21) **Fuel Information**
- (a) **Type of Fuel** (*check one*): _____ Natural Gas _____ Propane _____ Fuel Oil
_____ Other (*specify*) _____
- (b) **Typical Heat Content of Fuel** (*BTU/lb, BTU/gal, BTU/SCF – specify units below*):

- (22) **Please include a detailed sketch of the incinerator and/or attach incinerator model information provided by the manufacturer. (EXAMPLE: brochures, illustrations)**

CLASSIFICATION OF WASTES

- Type 0** Trash, a mixture of highly combustible waste such as paper, cardboard, cartons, wood boxes, and combustible floor sweepings, from commercial and industrial activities. The mixtures contain up to 10% by weight of plastic bags, coated paper, laminated paper, treated corrugated cardboard, oily rags and plastic or rubber scraps.
- This type of waste contains 10% moisture, 5% incombustible solids and has a heating value of 8500 B.T.U. per pound as fired.
- Type 1** Rubbish, a mixture of combustible waste such as paper, cardboard, cartons, wood scraps, foliage and combustible floor sweepings, from domestic, commercial and industrial activities. The mixture contains up to 20% by weight of restaurant or cafeteria waste, but contains little or no treated papers, plastic or rubber wastes.
- This type of waste contains 25% moisture, 10% incombustible solids, and has a heating value of 6500 B.T.U. per pound as Fired.
- Type 2** Refuse, consisting of an approximately even mixture of rubbish and garbage by weight.
- This type of waste is common to apartment and residential occupancy consisting of up to 50% moisture, 7% incombustible solids, and has a heating value of 4300 B.T.U. per pound as fired.
- Type 3** Garbage consisting of animal and vegetable wastes from restaurants, cafeterias, hotels, hospitals, markets, and like installations.
- This type of waste contains up to 70% moisture, up to 5% incombustible solids, and has a heating value of 2500 B.T.U. per pound as fired.
- Type 4** Human and animal remains, consisting of carcasses, organs and solid organic wastes from hospitals, laboratories, abattoirs, animal pounds, and similar sources, consisting of up to 85% moisture, 5% incombustible solids, and having a heating value of 1000 B.T.U. per pound as fired.
- Type 5** By-product waste, gaseous, liquid or semi-liquid, such as tar, paints, solvents, sludge, fumes, etc., from industrial operations. B.T.U. values must be determined by the individual materials to be destroyed.
- Type 6** Solid by-product waste, such as rubber, plastics, wood waste, etc. from industrial operations. B.T.U. values must be determined by the individual materials to be destroyed.

This list depicts incinerators capable of complying while burning the type waste indicated and while utilizing a specific type of fuel. Prior to purchasing an incinerator, you should confirm that it has been tested and approved while burning the type waste and while utilizing the type of fuel that will meet your needs. Upon installation of an incinerator, a completed registration form should be submitted to the Department.

Name and address of Company	Model Number	Test Date	Type Waste	
Advanced Combustion Systems, Inc. 1999 Alpine Way Bellingham, WA 98226 (360) 676-6005	CA-750	11/07/83	0	
	CA-100D	07/29/86	0-2	
	CA-150	11/08/89	0-4	
	CA-200P	08/14/89	0-4	
	CA-300P	04/23/75	4	
	CA-500P	05/05/87	0-2	
	CA-750P	12/11/85	0-4	
	CA-1000	12/17/87	0	
Air Preheater Company, Inc. DBA Enercon Systems P. O. Box 372 Wellsville, NY 14895 (716) 593-2700	Combustall 400/4-73	08/24/73	1,2	
	Combustall 2000 B	06/04/71	1	
All Crematory Corporation P. O. Box 547248 Orlando, FL 32854-7248 1-800-321-0772 (407) 886-0777 FAX (407) 886-7643	All I Model/Series 2000	1701	11/13/73	4
		1801		
	2101	07/02/97	4	
	2500 Elite	11/03/99	4	
American Energy Waste Systems Rancocas, NJ <i>Company Out-of-Business</i>	AEC 200	11/20/84	0-4	
	AEC 2500	08/22/84	0-4	
Atlas Incinerators, Inc <i>Company Out-of-Business</i> FORMERLY KNOWN AS <i>Anti-Pollution Devices, Inc</i> <i>CIL Incinerators Systems</i> <i>Hesston Corporation</i> SEE ALSO Econo-therm Energy Systems For parts and service contact: Multiservice Incineration (612) 784-3116	<u>Series CFA/VM</u>	CFA 48 (VM 48)	04/06/89	4
		CFA 60 PH (VM 60 PH)	08/04/82	1,4
		CFA 60 (VM 60)	02/14/89	2,4
		VM 150 PH	07/31/81	4
		CFA 84	04/14/88	4
		CFA 3250 (VM 3250)	03/13/87	4
B & L Systems 7205 114th Avenue North Largo, FL 33773 1-800-622-5411	BLP-N-20	03/11/88	4	
	BLP-200/75	02/07/90	4	
	BLP-500/150	01/27/99	4	
	BLP-750/150	04/22/98	4	
	BLP-1000/250	02/22/99	4	
	Phoenix II (1,2,3)	08/24/00	4	
	BLI 400/75	04/26/06	4	

Basic Envirotech, Inc	<u>Series</u>		0
21 West 181 Hill Avenue	100	09/02/71	1
Glen Ellyn, IL 60137	through		
(630) 790-9404	2500	03/06/72	0
Brule' Incinerators	FG4T-5	11/15/72	1
13920 South Western Avenue	FG4T-5(w/solid hearth)	02/23/72	1
Blue Island, IL 60406			
(708) 388-7900			
Cleaver Brooks	<u>Series K (300-2500)</u>		0
(414) 359-0600	K 300	03/01/73	0
<i>No longer manufactures incinerators</i>	K 380	03/31/77	4
FORMERLY KNOWN AS	K 380B	09/28/82	5
<i>Kelley Company</i>	K 2500	05/25/73	0-3 mix
<i>Kelley/Hoskinson Company</i>	Cleaver Brooks 1280/72	01/07/83	0-4
	380 A through 1280 A		4
	CBV 150	01/30/90	0-4
	CBV 500	10/26/89	0-4
<i>Aqua-Chem, Inc</i>	Pyrotron Model D 1500 lb/hr	07/18/72	1
Comtro Division	<u>Series A</u>		
NorthWales, PA	A-20	05/10/73	2,4
<i>Company Out-of-Business</i>	through	01/05/72	
	A-35	01/31/74	2,4
Cosumat Systems	<u>Series C-P</u>		
P. O. Box 9379	C-18P	08/11/72	4
Richmond, VA 23227	through		
(804) 746-4120	C-225P	09/11/87	0-4
FORMERLY KNOWN AS	<u>Series C</u>		
<i>Waste Combustion Corporation</i>	C18	03/02/73	1
	through		
	C760	05/15/73	1
Crawford Equipment & Engineering	Model C500P	05/25/93	4
P. O. Box 593243			
436 W. Landstreet Road			
Orlando, FL 32859-3243			
(407) 851-0993 1-800-228-0884			
Crawford Industrial Group LLC	C1000H	08/12/05	4
9101 Parker's Landing			
Orlando, FL 32824			
(407) 851-0993 ext 234			
FORMERLY KNOWN AS			
<i>Crawford equipment & Engineering</i>			
Crematory Manufacturing and Service	CMS Millennium III	06/08/00	4
6802 South 65th West Avenue			
Tulsa, OK 74131			
(918) 446-1490 1-800-726-6120			

Ecology Equipment Inc (EEI)	<u>Series 110-2000</u>		
Dadeville, AL	110	07/19/73	0
<i>Company Out-of-Business</i>	through		
	2000	09/01/77	1,4
FORMERLY KNOWN AS	<u>Series P</u>		
<i>American Environmental Pollution Control, Inc</i>	70 P	03/20/75	4
<i>Enviro-Safe</i>	through		
<i>Headley Engineering Inc</i>	600 P	08/04/77	4
	<u>Series XP/MP</u>		
	50 XP/MP	11/05/75	0,1
	through		4
	600 XP/MP	08/04/77	0,4
	EEI 1500	03/25/81	5
	EEI Conversion (500 lb/hr)	09/22/72	1
	EEI 20	11/24/76	Cotton gin waste
Econo-Therm Energy Systems	<u>DVR Series</u>		
<i>(See Atlas Incinerators)</i>	(formerly D or VR or VI)		
<i>Company Out-of-Business</i>	175 (360)	09/13/72	0
FORMERLY KNOWN AS	through		
<i>FEI Corporation</i>	900 (720)	04/17/73	0-2 mix
<i>Fire Engineer Incinerators (FEI)</i>	<u>Series HP</u>		
	HP 40	01/11/74	4
	through		
	HP 110	03/12/76	4
	<u>Series HR</u>		
	HR 500	04/12/73	0
	through		
	HR 900	09/28/73	0
	<u>Series CA (100-2000)</u>		
	CA-100	09/25/75	0,1
	through		
	CA-2000	05/20/76	0,3 mix
	HI 90	03/10/76	0
Energy Products of Idaho (EPI)	PSC-3	11/29/88	0-4
4006 Industrial Avenue			
Couer D'Alene, ID 83814			
(208) 765-1611			
Federal Enterprises, Inc	<u>Series FE</u>		
Nixa, MS	FE-5	11/27/73	1
<i>Company Out-of-Business</i>	through		
	FE-10	08/01/73	1
Gulf States Pollution Control	<u>Series PD</u>		
Jacksonville, TX	PD-50	01/24/74	4
<i>Company Ouy-of-Business</i>	through		
	PD-100	01/24/73	4
	2500 lb/hr Destructamat	02/08/74	1

Hesston Corporation <i>(See Atlas Incinerators)</i> FORMERLY KNOWN AS <i>McNaulin Goder Group</i> <i>Joseph Goder Incinerators</i>	<u>Series</u>		
	P4DP (Goder 1510)	05/04/73	4
	McNaulin P10DP	07/18/73	4
	Goder Model 1130	02/09/73	2
	McNaulin Model IF-15	12/06/72	2
	McNaulin F10E	12/18/74	4
Incinerator International, Inc. P. O. Box 8617 Houston, TX 77249 (713) 227-1466	50-P	03/10/73	4
	300-CA		0-4
	100-RBD	06/23/89	0-4
Incinerator Manufacturing Co. Birmingham, AL <i>Company Out-of-Business</i> FORMERLY KNOWN AS <i>West Enterprises</i>	<u>Series IMC-E</u>		
	IMC-100-E	09/15/72	1
	through IMC-480-E	07/18/77	1
Industrial Equipment & Engineering Co See Matthews Cremation Division P. O. Box 7796 Orlando, FL 32854 (407) 293-9212 1-800-327-2831	IE43-PPI	07/12/77	4
	IE43-PPII	05/08/94	4
	IE43-PPjr	06/04/98	4
Inferno Associates, Inc. 6725 St. Claude Avenue Arabi, LA 70032	P-10-LA w/ Scrubber	10/27/76	4
	<u>Series I-LA/HCA</u>		
	I-5-LA	12/13/72	1
	through I-15-LA	12/11/72	1
	I-15-HCA	04/22/86	4
	through I-17-HCA	05/20/87	4
International Waste Industries Pottsville, PA <i>Company Out-of-Business</i> FORMERLY KNOWN AS <i>Kellogg/Mann Corporation</i>	<u>Series DR</u>		1
	DR-150	08/18/72	1,4
	DR-500	11/19/79	4
	DR-1200 (LF-100)	05/16/72	1
	DR-2000	11/19/79	0,4
J. A. R. Incinerator Service, Inc. 18614 Fort Street Riverview, MI 48192 (313) 285-3360 FORMERLY KNOWN AS <i>Calcinator Corporation</i>	C1-S0-A	04/05/73	2
	MCP-25	04/25/74	4
	MCP-60	09/24/76	4
	A-5-O Cremator	03/03/82	0-4
	10GSX	07/14/72	2
	MH-4-A	12/04/72	2
Joy Energy Systems <i>Formerly Ecolair Combustion units</i> <i>Formerly Environmental Control Products</i>	780 ES	05/01/90	0-4
	50 lb/hr unit	11/27/85	4
	50 E - 500 E		0-4
	<u>Series T, TE, and TES</u>		1

Company Sold to:	500 T	04/29/71	1,4
Svedala Industries	through	12/11/72	1
350 Railroad Street	1500 T	06/18/81	4
Danville, PA 72821	2500 TES	06/06/89	4
1-800-332-1327			
Kewanee Boiler Corporation	<u>Series DA</u>		
Kewanee, IL	DA-60	05/08/73	2
<i>No longer manufactures incinerators</i>	through		
	DA-400	04/11/72	2
Lewis Livestock Incinerators	Model 160	12/05/97	4
Mr. Larry Lewis	without afterburner/oil-fired		
PO Box 112			
Cedar, IA 52543	Model 160	12/03/97	4
1-800-933-4761	with afterburner/oil-fired		
Martin and Ross Incinerators	Model 3-200-02 (oil-fired)	04/24/02	4
PO Box 170			
Shuqualak, MS 39361			
(662) 793-4554			
Matthews Cremation Division	IE43-PPI	07/12/77	4
2045 Sprint Blvd	IE43-PPII	05/08/94	4
Apopka, FL 32703	IE43-PPjr	06/04/98	4
800-327-2831 407-886-5533			
Formerly Known as			
Industrial Equipment & Engineering Co			
Melt-Tech, Inc.			
Owner- Mr. Ed Mansell	Kodiak -Model KRI 300	03/14/06	0-4
475 Spring Valley Road			
Tuscumbia, AL 35674			
(256) 381-8999			
National Incinerator, Inc.	<u>Series</u>		
P. O. Box 266	D 300	03/28/77	1
Boaz, AL 35957	through		
(205) 589-6720	D 800	06/28/72	1
OR Box 1651	P 50	08/07/87	4
Corsicana, TX 75110	through		
(214) 872-4311	P 200	04/25/88	4
1-800-544-0661	I - 1000	01/20/88	0-2
	Destructor Junior	02/11/89	0-4
	Destructor	05/08/91	0-4
	2H46M	06/02/99	4
	HD500	09/17/01	4
	TC 275	06/05/08	4
Phoenix Systems, Inc.	50-2	11/05/75	0,1,4
Birmingham, AL			
<i>Company Out-of-Business</i>			

Philbrico Company 1800 N. Kingsbury Street Chicago, IL 60614 (312) 549-7014	RA-10	08/08/73	1
	<u>Series RB</u>		
	RB-30	04/11/73	1
	through		
	RB-75	04/09/73	1
R & K Incinerator Company 6125 West 100 South Decatur, IN 46733 (219) 565-3214 FAX (219) 565-3149 1-800-233-1163 SEE ALSO VAL-CO	Model 18/oil-fired	06/27/74	4
	Model 34/oil-fired		4
	Model 30/oil-fired	06/26/74	4
	Model 36/oil-fired		4
	Model 37/oil-fired		4
	Model 30-2/oil-fired		4
	30-3A afterburner/oil	10/09/91	4
	Model 367/oil-fired	02/18/00	4
Harris-Selco Products, Inc. Baxley, GA (912) 367-4661 <i>No longer manufactures incinerators</i>	Auto Light 500-B	03/19/76	0
	Auto Light HP-50A	06/30/75	4
	600 HP 30	02/20/74	4
Shenandoah Manufacturing Co., Inc. BY FIRELAKE MFG. LLC P O BOX 388 961 N FIRST STREET DASSEL, MN 55325-0388 (540) 437-1203 FAX (540) 437-1210	A4-2Oil (I-62-TCO)	06/13/72	4
	A4-2G (G-64-TCO)		4
	A8-2Oil (I-66-TCO)	06/13/72	4
	A8-2G (G-66-TCO)		4
	A200-1G (A6-1G)	07/24/97	4
	A10-1G	04/24/91	4
	A10-1Oil	12/21/98	4
	A400-1G (A12-1G)	04/05/00	4
	A500-1G (A15-1G)	03/19/98	4
	C-6	10/10/97	4
	C-15	06/19/97	4
	P4-2Oil (I-62-ITC)	09/19/72	4
	P9-2Oil (I-72-ITC)	06/16/72	4
	P9-2G (G-71-ITC)	12/19/73	4
	P16-2Oil (I-HW-ITC)	06/14/72	4
	P16-2G (G-HW-ITC)	05/28/84	4
	P25-2G		4
	P9-3G (G-71-ITCA)	11/07/74	4
	P16-3G (G-HW-ITCA)	07/20/81	4
	P4-2G (G-64-ITCA)	08/08/78	4
	P25-2GM1	08/16/78	4
	P25-2GNM1		4
	Shenandoah Continued		
Simonds Manufacturing Corporation 304 Progress Road Auburndale, FL 33823 (941) 967-8566 ALSO KNOWN AS <i>G. L. Simonds Company</i>	<u>Series B</u>		
	750(75)B & 2151 BL	07/25/77	0,4
	through		
	3600B & 3600 BL	01/08/81	0
	4AF	08/25/82	0
	Pyromiser	04/08/86	4

Smokatrol, Inc. P. O. Box 446 Belleville, IL 62222 (618) 233-0129	<u>Series</u>		
	200	05/10/72	0
	through 600	08/04/72	0
Southern Breeze Incinerators 272 Powell Street Camilla, GA 31730 1-800-330-9748 (229) 522-9090	Eliminator FB 500 (oil-fired)	08/20/02	4
Spronz Incinerator Corporation 1268 South Plymouth Avenue Rochester, NY 14611 (716) 135-4877	RL-60-P	10/23/80	4
	<u>Series RL</u>		
	RL-7	07/22/71	0,1,2
	through RL-40	09/07/71 01/19/72	0,4
Stateline Equipment, Inc. 9159 State Route 118 South Ansonia, OH 45303 1-800-524-8344 (513) 547-1006 Southeast Distributor 1-800-967-5779	Model 430 w/afterburner	12/15/95	4
	Model 430/oil-fired	11/03/97	4
	Model 6' Brute/oil-fired	11/14/97	4
	Model 7' Brute/oil-fired	04/24/98	4
Therm-Tec PO Box 1105 Tualatin, Oregon (503) 625-7575 FAX (503) 625-6161	Model G-4-P		4
	Model G-6-P	01/04/94	4
	Model G-8-P	10/19/93	4
	Model G-16-P	11/03/94	4
	Model G-20-P	08/30/96	4
	Model S-27	01/22/02	4
	Model SQC-300	11/28/06	4
	Model S-18	02/20/09	4
Thermal Reduction Company Bellingham, WA <i>Company Out-of Business</i>	TR-10P	05/11/84	4
T-thermal Company 5 Sentry Parkway East Blue Bell, PA 19422 (610) 828-5400 FORMERLY KNOWN AS <i>Trane Company</i>	<u>Series TCI</u>		1
	TCI 200	04/29/71	4
	TCI 450	01/18/73	2
	TCI 700	12/12/72	1
	TCI 1100	07/12/74	0,2
US CREMATION EQUIPMENT AI Environmental Consulting Service, Inc. 435 Douglas Avenue - Suite 1505-B Altamonte Springs, FL 32714 407-547-2021	Model Classic	05/15/07	4

Val-Co
210 East Main Street
P O Box 117
Cold Water, OH 45828
800-998-2526 205-907-8307(Russell Perry)
SEE ALSO R&K Incinerator Company

4830 (R&K #34)		4
7230 (R&K #36)		4
8436 (R&K #367)	02/18/00	4