

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 (attached). By being on this list, it has been proven that a particular model can comply with the 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 have been performed on a specific model, the unit can be conditionally approved to be installed and operated with the understanding that Method 5 and 9 tests 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.

ADDITIONAL INFORMATION CONTACT:

Air Division	Phone/Fax: (334) 271-7861 Email: airmail@adem.alabama.gov
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Air Division Fax Number	(334) 279-3044
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Attachments

ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
AIR DIVISION
P.O. BOX 301463
MONTGOMERY, AL 36130-1463

Registration Form for the *Construction, Installation, or Modification* of an Incinerator

FACILITY INFORMATION

Please Type or Print in Ink

(1) Name of Facility: _____

(2) Establishment Type (*check one*): Agriculture Industry Medical
 Restaurant Store Other (*specify*) _____

(3) Name of Incinerator Owner: _____

(4) Mailing Address to which Environmental Correspondence is to be Sent:

Name of Contact: _____

Street Address or P.O. Box: _____

City: _____ State: _____ Zip Code: _____

Telephone Number: (____) _____ Email Address: _____

(5) Physical Address of Incinerator:

Street Address: _____

City: _____ State: _____ Zip Code: _____

County: _____

(6) Name of Person Submitting Registration Form: _____

Title: _____ Telephone Number: (____) _____

Signature: _____ Date: _____

(7) Check one:

Existing Incinerator Date Installed: _____

New Incinerator Date to be Installed: _____

(8) Incinerator Manufacturer Information:

Name of Incinerator Manufacturer: _____

Incinerator Model/Number: _____

Name of Local Representative: _____

Street Address or P.O. Box: _____

City: _____ State: _____ Zip Code: _____

Telephone Number: (____) _____ Website/Email: _____

WASTE INFORMATION

(Please refer to the attached 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.

**ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
APPROVED INCINERATOR LIST**

(Updated 11/22/2019)

This list is composed of incinerators capable of complying while burning the waste type 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 correct waste type 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	Series CFA/VM		
	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

B & L Systems 7205 114th Avenue North Largo, FL 33773 1-800-622-5411	CFA 84	04/14/88	4
	CFA 3250 (VM 3250)	03/13/87	4
Basic Envirotech, Inc 21 West 181 Hill Avenue Glen Ellyn, IL 60137 (630) 790-9404	BLP-N-20	03/11/88	4
	N-20AA	01/26/12	4
	BLP-200/75	02/07/90	4
	BLP-200M3	02/08/21	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
	BLI 800	10/31/05	4
Brule' Incinerators 13920 South Western Avenue Blue Island, IL 60406 (708) 388-7900	<u>Series</u>		0
	100	09/02/71	1
	through		
	2500	03/06/72	0
	FG4T-5	11/15/72	1
FG4T-5(w/solid hearth)	02/23/72	1	
Cleaver Brooks (414) 359-0600 <i>No longer manufactures incinerators</i> FORMERLY KNOWN AS <i>Kelley Company</i> <i>Kelley/Hoskinson Company</i>	<u>Series K (300-2500)</u>		0
	K 300	03/01/73	0
	K 380	03/31/77	4
	K 380B	09/28/82	5
	K 2500	05/25/73	0-3 mix
	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
	Pyrotron Model D 1500 lb/hr	07/18/72	1
Consutech Systems LLC P. O. Box 9379 Richmond, VA 23227 (804) 746-4120	<u>Series A</u>		
	A-20	05/10/73	2,4
	through	01/05/72	
	A-35	01/31/74	2,4
FORMERLY KNOWN AS: <i>Waste Combustion Corporation</i> <i>Cosumat Systems</i>	<u>Series C-P</u>		
	C-18P	08/11/72	4
	through		
	C-225P	09/11/87	0-4
Crawford Equipment & Engineering	<u>Series C</u>		
	C18	03/02/73	1
	through		

P. O. Box 593243	C760	05/15/73	1
436 W. Landstreet Road	C-550PAT-1	03/08/05	4
Orlando, FL 32859-3243			
(407) 851-0993 1-800-228-0884			

Crawford Industrial Group LLC
 9101 Parker's Landing
 Orlando, FL 32824
 (407) 851-0993 ext 234

Model C500P	05/25/93	4
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FORMERLY KNOWN AS
Crawford Equipment & Engineering

C1000H	08/12/05	4
CB1600	01/10/01	4

Crematory Manufacturing and Service
 6802 South 65th West Avenue
 Tulsa, OK 74131
 (918) 446-1490 1-800-726-6120

Eco Concepts
Formerly Southern Breeze
 2008 Liberty Expressway SE
 Albany, GA 31705
 (229) 328-1940

CMS Millennium III	06/08/00	4
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Ecology Equipment Inc (EEI)
 Dadeville, AL
Company Out-of-Business

2000	11/29/11	4
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FORMERLY KNOWN AS
American Environmental Pollution Control, Inc
Enviro-Safe
Headley Engineering Inc

<u>Series 110-2000</u>		
110	07/19/73	0
through		
2000	09/01/77	1,4
<u>Series P</u>		
70 P	03/20/75	4
through		
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

Econo-Therm Energy Systems
(See Atlas Incinerators)
Company Out-of-Business
 FORMERLY KNOWN AS
FEI Corporation
Fire Engineer Incinerators (FEI)

EEI Conversion (500 lb/hr)	09/22/72	1
		Cotton gin waste
EEI 20	11/24/76	

* Exception 600 Conversion (5/3/72)

<u>DVR Series</u> (formerly D or VR or VI)		
175 (360)	09/13/72	0

NOT APPROVED	through 900 (720) <u>Series HP</u> HP 40	04/17/73	0-2 mix
	through HP 110 <u>Series HR</u> HR 500	01/11/74	4
	through HR 900 <u>Series CA (100-2000)</u> CA-100	03/12/76	4
Energy Products of Idaho (EPI) 4006 Industrial Avenue Couer D'Alene, ID 83814 (208) 765-1611	through CA-2000 HI 90	04/12/73	0
	PSC-3	09/25/75	0,1
Facultatieve Technologies 940 Lake Road Medina, OH 44256 330-242-6901		05/20/76	0,3 mix
		03/10/76	0
Federal Enterprises, Inc Nixa, MS <i>Company Out-of-Business</i>	<u>Series FT</u> FTIII DE (S-4)	11/29/88	0-4
Gulf States Pollution Control Jacksonville, TX <i>Company Out-of-Business</i>	<u>Series FE</u> FE-5 through FE-10	03/14/08	4
	<u>Series PD</u> PD-50 through PD-100	11/27/73	1
Hesston Corporation <i>(See Atlas Incinerators)</i> FORMERLY KNOWN AS <i>McNaulin Goder Group</i> <i>Joseph Goder Incinerators</i>	2500 lb/hr Destructamat	08/01/73	1
	<u>Series</u> P4DP (Goder 1510) McNaulin P10DP Goder Model 1130 McNaulin Model IF-15 McNaulin F10E	01/24/74	4
Incinerator International, Inc. P. O. Box 8617 Houston, TX 77249 (713) 227-1466		01/24/73	4
		02/08/74	1
Incinerator Manufacturing Co. Birmingham, AL <i>Company Out-of-Business</i> FORMERLY KNOWN AS <i>West Enterprises</i>	50-P 300-CA 100-RBD	05/04/73	4
		07/18/73	4
		02/09/73	2
		12/06/72	2
		12/18/74	4
Industrial Equipment & Engineering Co See Matthews Cremation Division P. O. Box 7796	<u>Series IMC-E</u> IMC-100-E through IMC-480-E	03/10/73	4
		06/23/89	0-4
		09/15/72	1
		07/18/77	1

Orlando, FL 32854
 (407) 293-9212 1-800-327-2831

Inferno Associates, Inc.
 6725 St. Claude Avenue
 Arabi, LA 70032

IE43-PPI	07/12/77	4
IE43-PPII	05/08/94	4
IE43-PPjr	06/04/98	4
IEB-40	07/13/10	4

P-10-LA w/ Scrubber <u>Series I-LA/HCA</u>	10/27/76	4
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I-5-LA through	12/13/72	1
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International Waste Industries
 Pottsville, PA
Company Out-of-Business
 FORMERLY KNOWN AS
Kellogg/Mann Corporation

I-15-LA	12/11/72	1
I-15-HCA	04/22/86	4
through		4
I-17-HCA	05/20/87	4

<u>Series DR</u>		1
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J. A. R. Incinerator Service, Inc.
 18614 Fort Street
 Riverview, MI 48192
 (313) 285-3360
 FORMERLY KNOWN AS
Calcinator Corporation

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

C1-S0-A	04/05/73	2
MCP-25	04/25/74	4
MCP-60	09/24/76	4

Joy Energy Systems
Formerly Ecolair Combustion units

A-5-O Cremator	03/03/82	0-4
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*Formerly Environmental Control
 Products*

10GSX	07/14/72	2
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Company Sold to:

MH-4-A	12/04/72	2
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Svedala Industries
 350 Railroad Street
 Danville, PA 72821
 1-800-332-1327

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

Kewanee Boiler Corporation
 Kewanee, IL
No longer manufactures incinerators

500 T	04/29/71	1,4
through	12/11/72	1
1500 T	06/18/81	4
2500 TES	06/06/89	4

Lewis Livestock Incinerators
 Mr. Larry Lewis
 PO Box 112
 Cedar, IA 52543
 1-800-933-4761

<u>Series DA</u>		
DA-60	05/08/73	2
through		
DA-400	04/11/72	2

Model 160 without afterburner/oil- fired	12/05/97	4
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Martin and Ross Incinerators
 PO Box 170
 Shuqualak, MS 39361

Model 160	12/03/97	4
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(662) 793-4554

with afterburner/oil-fired

Matthews Cremation Division
2045 Sprint Blvd
Apopka, FL 32703
800-327-2831 407-886-5533

Model 3-200-02 (oil-fired) 04/24/02 4

Formerly Known as

IE43-PPI 07/12/77 4

IE43-PPII 05/08/94 4

IE43-PPjr (Replaced w/

Industrial Equipment & Engineering Co
Melt-Tech, Inc.

IEB-16) 06/04/98 4

IEB-16 1/19/21 4

Owner- Mr. Ed Mansell
475 Spring Valley Road
Tuscumbia, AL 35674
(256) 381-8999

IEB-40 07/13/10 4

IE-43 PP II PLUS 02/06/14 4

IEB-20 04/11/14 4

National Incinerator, Inc.

Kodiak -Model KRI 300 03/14/06 0-4

P. O. Box 266
Boaz, AL 35957
(205) 589-6720
OR Box 1651
Corsicana, TX 75110
(214) 872-4311
1-800-544-0661

Series

D 300 03/28/77 1

through

D 800 06/28/72 1

P 50 08/07/87 4

through

P 200 04/25/88 4

I - 1000 01/20/88 0-2

Destructor Junior 02/11/89 0-4

Phoenix Systems, Inc.

Destructor 05/08/91 0-4

Birmingham, AL
Company Out-of-Business

2H46M 06/02/99 4

HD500 09/17/01 4

TC 275 06/05/08 4

Philbrico Company

1800 N. Kingsbury Street
Chicago, IL 60614
(312) 549-7014

50-2 11/05/75 0,1,4

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**

RA-10 08/08/73 1

Series RB

RB-30 04/11/73 1

through

RB-75 04/09/73 1

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

Harris-Selco Products, Inc.

Baxley, GA (912) 367-4661
No longer manufactures incinerators

30-3A afterburner/oil 10/09/91 4

	Model 367/oil-fired	02/18/00	4
Shenandoah Manufacturing Co., Inc.			
BY FIRELAKE MFG. LLC	Auto Light 500-B	03/19/76	0
P O BOX 388	Auto Light HP-50A	06/30/75	4
961 N FIRST STREET	600 HP 30	02/20/74	4
DASSEL, MN 55325-0388			
(540) 437-1203	A4-2Oil (I-62-TCO)	06/13/72	4
FAX (540) 437-1210	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
Shenandoah Continued	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
Simonds Manufacturing Corporation	P4-2G (G-64-ITCA)	08/08/78	4
304 Progress Road	P25-2GM1	08/16/78	4
Auburndale, FL 33823	P25-2GNM1		4
(941) 967-8566			
ALSO KNOWN AS			
G. L. Simonds Company	<u>Series B</u>		
	750(75)B & 2151 BL	07/25/77	0,4
Smokatrol, Inc.	through		
P. O. Box 446	3600B & 3600 BL	01/08/81	0
Belleville, IL 62222	4AF	08/25/82	0
(618) 233-0129	Pyromiser	04/08/86	4
Southern Breeze Incinerators	<u>Series</u>		
<i>also known as Eco Concepts</i>	200	05/10/72	0
272 Powell Street	through		
Camilla, GA 31730	600	08/04/72	0
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
Stateline Equipment, Inc.	<u>Series RL</u>		
9159 State Route 118 South	RL-7	07/22/71	0,1,2

Ansonia, OH 45303 1-800-524-8344 (513) 547-1006 Southeast Distributor 1-800-967-5779	through RL-40	09/07/71 01/19/72	0,4
Therm-Tec PO Box 1105 Tualatin, Oregon (503) 625-7575 FAX (503) 625-6161	Model 430 w/afterburner Model 430/oil-fired Model 6' Brute/oil-fired Model 7' Brute/oil-fired	12/15/95 11/03/97 11/14/97 04/24/98	4 4 4 4
	Model G-4-P Model G-6-P Model G-8-P Model G-16-P Model G-20-P Model S-27 Model SQC-300 Model S-18		4 4 4 4 4 4 4 4
Thermal Reduction Company Bellingham, WA <i>Company Out-of Business</i>		01/04/94 10/19/93 11/03/94 08/30/96 01/22/02 11/28/06 02/20/09	4 4 4 4 4 4 4
T-thermal Company 5 Sentry Parkway East Blue Bell, PA 19422 (610) 828-5400 FORMERLY KNOWN AS <i>Trane Company</i>	TR-10P	05/11/84	4
	<u>Series TCI</u> TCI 200 TCI 450		1 4 2
US CREMATION EQUIPMENT AI Environmental Consulting Service, Inc. 435 Douglas Avenue - Suite 1505-B Altamonte Springs, FL 32714 407-547-2021	TCI 700 TCI 1100	12/12/72 07/12/74	1 0,2
	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) 7230 (R&K #36) 8430 8436 (R&K #367)		4 4 4 4
		03/03/15 02/18/00	4 4