Attachments

VOC Emission Worksheet

Hazardous Air Pollutants

Characteristic Hazardous Wastes

Example Waste Profile Sheets
- Fountain Solution
- Waste Ink
- Waste Fixer
- Waste Solvent

Example Manifest

Hazardous Waste Storage Area Sign

Emergency Notification List

Contacts/Hotlinks
- Local Air Pollution Control Agencies
- Local Pretreatment Programs

VOC EmissionsWorksheet Example for Small Printers

Magenta Printing prints community newspapers for several publishers on a contract basis. They have a single offset nonheatset lithographic web press. To print, they used:

9,922 lbs of black ink

950 lbs of color ink

55 gallons of press cleaning solvent

25 gallons of fountain solution concentrate

Magenta obtained the VOC content for each product from the MSDS or directly from the supplier. The VOC content was determined using EPA's Method 24.

Product	VOC Content
Black Ink	5% (0.43 lbs/gal)
Color Ink	8% (0.76 lbs/gal) [1]
Press Cleaner	100% (6.9 lbs/gal)
Fountain Solution	0.5% (0.04 lbs/gal)

[1] Highest VOC content of all color inks used so that calculation can be simplified using total color ink used.

The press has 12 cylinders with a maximum speed of 30,000 papers/hour (pph). The maximum impression area is 22 x 24 inches. Calculate millions of square inches per year ($MMin^2/yr$) throughput. (Again, this is a simplified case. The throughput must be determined for each press in your shop.)

$$\frac{\text{Max Press Speed (pph) X \# of Cylinders X Length (in) X Width (in) X 8,760 (hr/yr)}}{1{,}000{,}000}$$

$$\frac{\text{30,000 pph X 12 X 24 in X 22 in X 8,760 hr/yr}}{1{,}000{,}000} = 1{,}665{,}100\ MMin^2/yr$$

Calculate VOC emissions from the black and color inks.

$$\frac{\text{lbs. ink/MMin}^2\text{/yr X Weight \% VOC X 0.05 X Throughput (MMin}^2\text{/yr)}}{\text{2,000 lbs/ton}} = \text{tons VOC/yr}$$

BLACK INK

$$\frac{\text{0.8 lbs. ink/MMin}^2\text{ X 0.05 X 0.05 X 1,665,100 MMin}^2\text{/yr}}{\text{2,000 lbs/ton}} = \text{1.66 tons VOC/yr}$$

TOTAL COLOR INKS

$$\frac{\text{0.3 lbs. ink/MMin}^2\text{ X 0.08 X 0.05 X 1,665,100 MMin}^2\text{/yr}}{\text{2,000 lbs/ton}} = \text{0.99 tons VOC/yr}$$

Calculate actual VOC emissions from press cleaning solutions.

$$\frac{\text{Solution gals X lbs VOC/gal}}{\text{2,000 lbs/ton}} = \text{tons VOC/yr}$$

$$\frac{\text{55 gals X 6.9 lbs VOC/gal}}{\text{2,000 lbs/ton}} = \text{0.19 tons VOC/yr}$$

Calculate actual VOC emissions from the fountain solution.

$$\frac{\text{Solution gals X lbs VOC/gal}}{\text{2,000 lbs/ton}} = \text{tons VOC/yr}$$

$$\frac{\text{25 gals X 0.04 lbs VOC/gal}}{\text{2,000 lbs/ton}} = \text{< 0.01 tons VOC/yr}$$

Calculate VOC Potential Emissions.

Hours of production (include makeready, pressruns & blanket washing) during the past 12 months - 2,080 hr. Percent of operating capacity - 60%

$$\frac{\text{(0.19 +0.01) tons VOC/yr X 8,760 hr/yr}}{\text{(2,080 prod. hr X 60\% capacity} \div \text{100)}} = \text{1.4 tons VOC/yr}$$

Calculate Potential Emissions from all sources.

Black + Color Ink (tons VOC/yr) + Press Solutions (tons/VOC/yr) = tons VOC/yr

(1.66 + 0.99) tons VOC/yr + (0.19 +0.01) tons/VOC/yr = 2.85 tons VOC/yr

Table of Hazardous Air Pollutants
(Typical HAPs used by printers are highlighted in bold.)

CAS No.	Chemical
75070	Acetaldehyde
60355	Acetamide
75058	Acetonitrile
98862	Acetophenone
53963	Acetylaminofluorene
107028	Acrolein
79061	Acrylamide
79107	Acrylic acid
107131	Acrylonitrile
107051	Allyl chloride (3-chloropropene)
92671	4-Aminobiphenyl
62533	Aniline
90040	o-Anisidine
1332214	Asbestos
71432	Benzene
92875	Benzidine
98077	Benzotrichloride
100447	Benzyl chloride
92524	Biphenyl
117817	Bis(2-ethylhexyl) phthalate (DEHP)
542881	Bis(chloromethyl)ether
75252	Bromoform
106990	1,3-Butadiene
156627	Calcium cyanamide
133062	Captan
63252	Carbayl
75150	Carbon disulfide
56235	Carbon tetrachloride
463581	Carbonyl sulfide
120809	Catechol
133904	Chloramben
57749	Chlordane
7782505	Chlorine
79118	Chloroacetic acid
532274	2-Chloroacetophenone
108907	Chlorobenzene
510156	Chlorobenzilate
67663	Chloroform
107302	Chloromethyl methyl ether
126998	Chloroprene
1319773	Cresols
95487	o-Cresol
108394	m-Cresol
106445	p-Cresol
98828	**Cumene**
94757	2,4-D, salts and esters
3547044	DDE
334883	Diazomethane
132649	Dibenzofurans
96128	1,2-Dibromo-3-chloropropane (DBCP)
84742	**Di-n-butyl phthalate**
106467	1,4-Dichlorobenzene (p)
91941	3,3'-Dichlorobenzidine

CAS No.	Chemical
111444	Dichloroethyl ether
542758	1,3-Dichloropropene
62737	Dichlorvos
111422	**Diethanolamine**
121697	N,N Dimethylaniline
64675	Diethyl sulfate
119904	3,3'-Dimethoxybenzidine
60117	Dimethylaminoazobenzene
119937	3,3'-Dimethyl benzidine
79447	Dimethyl carbamoyl chloride
68122	N,N-Dimethylformamide
57147	1,1-Dimethylhydrazine
131113	Dimethyl phthalate
77781	Dimethyl sulfate
534521	4,6-Dinitro-o-cresol and salts
51285	2,4-Dinitrophenol
121142	2,4-Dinitrotoluene
123911	1,4-Dioxane
122667	1,2-Diphenylhydrazine
106898	Epichlorohydrin
106887	1,2-Epoxybutane
140885	Ethyl acrylate
100414	**Ethylbenzene**
51796	Ethyl carbamate (urethane)
75003	Ethyl chloride
106934	Ethylene dibromide
107062	Ethylene dichloride (1,2-dichloroethane)
107211	**Ethylene glycol**
151564	Ethylene imine (aziridine)
75218	Ethylene oxide
96457	Ethylenethiourea
75343	Ethylidene dichloride (1,1-dichloroethane)
50000	**Formaldehyde**
76448	Heptachlor
118741	Hexachlorobenzene
87683	Hexachlorobutadiene
77474	Hexachlorocyclopentadiene
67721	Hexachloroethane
822060	Hexamethylene-1,6-diisocyanate
680319	Hexamethylphosphoramide
110543	**n-Hexane**
302012	Hydrazine
7647010	**Hydrochloric acid**
7664393	Hydrofluoric acid
123319	**Hydroquinone**
78591	**Isophorone**
58899	Lindane
108316	Maleic anhydride
67561	**Methanol**
72435	Methoxychlor
74839	Methyl bromide (bromomethane)
74873	Methyl chloride (chloromethane)
71556	**Methyl chloroform (1,1,1-trichlroethane)**

CAS No.	Chemical
78933	**Methyl ethyl ketone (MEK)**
60344	Methylhydrazine
74884	Methyl iodide
108101	**Methyl isobutyl ketone (MIBK)**
624839	Methyl isocyanate
80626	**Methylmethacrylate**
1634044	Methyl tert-butyl ether
101144	4,4'-Methylene bis(2-chloroaniline)
75092	**Methylene chloride**
101688	Methylene diphenyl diisocyanate (MDI)
101779	4,4'-Methylenedianiline
91203	**Naphthalene**
98953	Nitrobenzene
92933	4-Nitrobiphenyl
100027	4-Nitrophenol
79469	2-Nitropropane
684935	N-Nitroso-N-methylurea
62759	N-Nitrosodimethylamine
59892	N-Nitrosomorpholine
56382	Parathion
82688	Pentachlorobenzene
87865	Pentachlorophenol
108952	Phenol
106503	p-Phenylenediamine
75445	Phosgene
7803512	Phosphine
7723140	Phosphorus
85449	Phthalic anhydride
1336363	Polychlorinated biphenyls (PCBs)
1120714	1,3-Propane sultone
57578	beta-Propiolactone
123386	Propionaldehyde
114261	Propoxur (Baygon)
78875	Propylene dichloride
75569	**Propylene oxide**
75558	1,2-Propylenimine
91225	Quinoline
106514	Quinone
100425	Styrene
96093	Styrene oxide
1746016	2,3,7,8-Tetrachlorodibenzo-p-dioxin
9345	1,1,2,2-Tetrachloroethane
127184	**Tetrachloroethene (perchloroethylene)**
7550450	Titanium tetrachloride

CAS No.	Chemical
108883	**Toluene**
95807	2,4-Toluene diamine
584849	**2,4-Toluene diisocyanate**
95534	o-Toluidine
8001352	Toxaphene (chlorinated camphenes)
120821	Trichlorobenzene
79005	**1,1,2-Trichloroethane**
79016	**Trichloroethylene (TCE)**
95954	2,4,5-Trichlorophenol
88062	2,4,6-Trichlorophenol
121448	Triethylamine
1582098	Trifuralin
540841	2,2,4-Trimethylpentane
108054	**Vinyl acetate**
593602	Vinyl bromide
75014	**Vinyl chloride**
75354	Vinylidene chloride (1,1-dichloroethylene)
1330207	**Xylene (all isomers and mixture)**
95476	**o-Xylene**
108383	**m-Xylene**
106423	**p-Xylene**

HAP Compounds

7440360	Antimony compounds
7440382	Arsenic compounds
7440417	Beryllium compounds
7440439	**Cadmium compounds *(not emitted)***
7440473	**Chromium compounds**
7440484	**Cobalt compounds *(not emitted)***
65996818	Coke oven emissions
57125	Cyanide compounds
I-311	**Glycol ethers***
7439921	**Lead compounds *(not emitted)***
7439965	**Manganese compounds *(not emitted)***
7439976	Mercury compounds
E-196	Fine mineral fibers
7440020	Nickel compounds
E-033	Polycyclic organic matter
Q-006	Radionuclides (including radon)
7782492	**Selenium compounds *(not emitted)***

*** Mono and di-ethers of ethylene and diethylene glycols, <u>except</u> diethylene glycol, propylene glycol ethers, propylene glycol methyl ether acetate, propylene glycol methyl ether, and dipropylene monomethyl ether.**

HAPs Translator Threshold Table

To estimate whether you may exceed the 10 tons HAP/year individual threshold, use the following gallon conversion factors for each HAP (assumes 100% HAP). If your HAP usage is close to the gallons equivalency value, do the actual emissions calculation for more accurate results.

HAP (lbs/gal)	Gallons Equivalency	HAP (lbs/gal)	Gallons Equivalency
6.7	2,980	9.0	2,220
7.0	2,850	9.5	2,100
7.5	2,660	10.0	2,000
8.0	2,500	11.0	1,810

Table 1 Characteristic Hazardous Wastes

(Typical printer wastes by EPA Waste Code are in bold.)

D001 Ignitable: Has a flash point of 140°F or less.

D002 Corrosive: Liquids that easily corrode materials or human tissue and have a pH less or equal to 2 or greater than or equal to 12.5.

D003 Reactive: Potentially explosive or produces toxic gases when mixed with water, air or other incompatible materials.

D004 - D043 Toxic by the laboratory test, Toxicity Characteristic Leaching Procedure (TCLP). Refer below.

Compound	Waste Code	Regulatory Level (ppm)	Compound	Waste Code	Regulatory Level (ppm)
Arsenic	D004	5.0	Hexachlorobenzene	D032	0.13
Barium	**D005**	**100.0**	Hexachloro-1,3-butadiene	D033	0.5
Benzene	D018	0.5	Hexachloroethane	D034	3.0
Cadmium	D006	1.0	Lead	D008	5.0
Carbon Tetrachloride	D019	0.5	Lindane	D013	0.4
Chlordane	D020	0.03	Mercury	D009	0.2
Chlorobenzene	D021	100.0	Methoxychlor	D014	10.0
Chloroform	D022	6.0	**Methyl ethyl ketone**	**D035**	**200.0**
Chromium	D007	5.0	Nitrobenzene	D036	2.0
o-Cresol	D023	200.0	Pentachlorophenol	D037	100.0
m-Cresol	D024	200.0	Pyridine	D038	5.0
p-Cresol	D025	200.0	Selenium	D010	1.0
2,4-D	D016	10.0	**Silver**	**D011**	**5.0**
1,4-Dichlorobenzene	D027	7.5	**Tetrachloroethylene**	**D039**	**0.7**
1,2-Dichloroethane	D028	0.5	Toxaphene	D015	0.5
1.1-Dichloroethylene	D029	0.7	**Trichloroethylene**	**D040**	**0.5**
2,4-Dintrotoluene	D030	0.13	2,4,5-Trichlorophenol	D041	400.0
Endrin	D012	0.02	2,4,6-Trichlorophenol	D042	2.0
Heptachlor	D031	0.008	Vinyl Chloride	D043	0.2

Table 2 F-Listed Solvent Hazardous Wastes

(Typical printer solvents and EPA Waste Codes are in bold.)

F001 Halogenated solvents used in degreasing: tetrachloroethylene, trichloroethylene, methylene chloride, 1,1,1-trichloroethane, carbon tetrachloride, and chlorinated fluorocarbons.

F002 Halogenated solvents: **tetrachloroethylene**, **trichloroethylene**, **methylene chloride**, 1,1,1-trichloroethane, chlorobenzene, 1,1,2-trichloro-1,1,2-trifluoroethane, orthodichlorobenzene, trichlorofluoromethane, and 1,1,2-trichloroethane.

F003 Ignitable nontoxic solvents: **xylene**, **acetone**, ethyl acetate, **ethyl benzene**, ethyl ether, methyl isobutyl ketone (MIBK), n-butyl alcohol, cyclohexanone, and **methanol**.

F004 Toxic non-halogenated solvents: cresols, cresylic acid, and nitrobenzene.

F005 Ignitable toxic solvents: **toluene**, **methyl ethyl ketone (MEK)**, carbon disulfide, isobutanol, **benzene**, pyridine, 2-ethoxyethanol, and 2-nitropropane.

Table 3 U-Listed Wastes That May be Generated by Printers

Name/Description	Waste Code	Name/Description	Waste Code
Acetone	U002	Methyl chloroform	U226
Benzene	U019	Methylene chloride	U080
Carbon tetrachloride	U211	Methyl ethyl ketone (MEK)	U159
Chromium	D007	Methyl isobutyl ketone	U161
Cumene	U055	Tetrachloroethylene (perchloroethylene)	U210
Cyclohexane	U056		
Dibutyl phthalate	U069	Toluene	U220
Ethyl acetate	U112	Toluene diisocyanate	U223
Ethanol, 2-ethoxy	U359	Trichloroethylene	U228
Ethylene glycol monoethyl ether	U359	Vinyl chloride	U043
		Xylene	U239
Formaldehyde	U122		
Methanol	U154		

Example Waste Profile Sheet for Waste Fountain Solution

General Information

Department Press Waste Coordinator John Smith

Waste Name Waste Isopropyl Alcohol

Process Generating the Waste Waste Fountain Solution

Waste Generation Rate (Gallons or pounds per month) 1/2 drum/month

Current Disposal Procedure Disposal Offsite

One-Time Disposal ? Yes ___ No √

Waste Classification

Nonhazardous _____

Hazardous √ If so, list the EPA Waste Codes. D001 _____ _____ _____

Waste Composition

Tests of Representative Sample Yes √ No ___ (attach test results)

Process Knowledge Yes √ No ___ (attach supporting documentation, e.g. MSDSs)

	Waste Composition	Percent
1.	Water	85
2.	Isopropyl Alcohol	15
3.		
4.		
5.		
6.		

General Parameters Flash Point N/A °F pH 6.7

Physical State at 70 °F Solid ____ Liquid √ Semi-Solid ____ Gas ____

Waste Packaging Type & Size (e.g. 55 gal drum) 55 gal plastic drum

Waste Coordinator Signature Karl Black Date 10/1/900

Example Waste Profile Sheet for Waste Ink

General Information

Department Press Waste Coordinator John Smith

Waste Name Waste Combustible Liquid, NOS

Process Generating the Waste Waste Printing Ink Residues

Waste Generation Rate (Gallons or pounds per month) 1 drum/month

Current Disposal Procedure Disposal Offsite

One-Time Disposal ? Yes ___ No √

Waste Classification

Nonhazardous √

Hazardous _____ If so, list the EPA Waste Codes. _____ _____ _____ _____

Waste Composition

Tests of Representative Sample Yes √ No ___ (attach test results)

Process Knowledge Yes ___ No ___ (attach supporting documentation, e.g. MSDSs)

	Waste Composition	Percent
1.	Petroleum Naphtha Solvent Blend	85
2.	Carbon Black	15
3.		
4.		
5.		
6.		

General Parameters Flash Point N/A °F pH N/A

Physical State at 70 °F Solid ____ Liquid √ Semi-Solid ____ Gas ____

Waste Packaging Type & Size (e.g. 55 gal drum) 55 gal steel drum

Waste Coordinator Signature Karl Black Date 10/1/00

Example Waste Profile Sheet for Waste Solvent

General Information

Department Prepress Waste Coordinator Jenny Jones

Waste Name Hazardous Waste Liquid

Process Generating the Waste Waste Fixer

Waste Generation Rate (Gallons or pounds per month) 1 drum/month

Current Disposal Procedure Disposal Offsite

One-Time Disposal ? Yes ___ No √

Waste Classification

Nonhazardous _____

Hazardous √ If so, list the EPA Waste Codes. D011 _____ _____ _____

Waste Composition

Tests of Representative Sample Yes √ No ___ (attach test results)

Process Knowledge Yes ___ No ___ (attach supporting documentation, e.g. MSDSs)

	Waste Composition	Percent
1.	Water	85
2.	Acetic Acid	10
3.	Sodium Sulfite	5
4.		
5.		
6.		

General Parameters Flash Point N/A °F pH 6.7

Physical State at 70 °F Solid ____ Liquid √ Semi-Solid ____ Gas ____

Waste Packaging Type & Size (e.g. 55 gal drum) 55 gal plastic drum

Waste Coordinator Signature Karl Black Date 10/1/00

Example Waste Profile Sheet for Waste Fixer

General Information

Department Press Waste Coordinator John Smith

Waste Name Waste Combustible Liquid

Process Generating the Waste Waste Press Cleaning Solvents

Waste Generation Rate (Gallons or pounds per month) 1/2 drum/month

Current Disposal Procedure Disposal Offsite

One-Time Disposal ? Yes ___ No √

Waste Classification

Nonhazardous _____

Hazardous √ If so, list the EPA Waste Codes. D001 _____ _____ _____

Waste Composition

Tests of Representative Sample Yes √ No ___ (attach test results)

Process Knowledge Yes √ No ___ (attach supporting documentation, e.g. MSDSs)

	Waste Composition	Percent
1.	Petroleum Naphtha Solvent	85
2.	Butyl Cellusolve	15
3.		
4.		
5.		
6.		

General Parameters Flash Point N/A °F pH N/A

Physical State at 70 °F Solid ____ Liquid √ Semi-Solid ____ Gas ____

Waste Packaging Type & Size (e.g. 55 gal drum) 55 gal steel drum

Waste Coordinator Signature Karl Black Date 10/1/00

PLEASE PRINT OR TYPE (Form designed to use on elite (12-pitch typewriter)). Form approved. OMB No. 2050-0039. Expires 9-30-98.

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA No.: ILD888888888
Manifest Document No.: 8888
2. Page 1 of
Information in the shaded areas is not required by Federal Law, but items D, F, H, I and K are required by State law.

3. Generator's Name and Mailing Address
Magenta Printing Company
1234 Cyan Drive
Indianapolis, IN 55555
ATTN: Karl Black
4. Generator's Phone (317) 555-1000

A. State Manifest Document Number: INA1999999
B. State Generator's ID

5. Transporter 1 Company Name: Green Transporting Company
6. US EPA ID Number: IND999999999
C. State Transporter's ID
D. Transporter's Phone: 800-555-9999

7. Transporter 2 Company Name
8. US EPA ID Number
F. Transporter's Phone

9. Designated Facility Name and Site Address
Environmentally Friendly Disposal, Inc.
505 Disposal Drive
Terre Haute, IN 66666
10. US EPA ID Number: IND888888888
G. State Facility's ID
H. Facility's Phone: 800-555-8888

11. US DOT Description *(including Proper Shipping Name, Hazard Class, and ID Number)*	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol.	I. Waste No.
a. RQ,Waste Isopropanol, Class 3 UN1219 PG II (D001) (ERG#129)	002	DM	750	P	D001
b. Waste Combustible Liquid, Class 3 NA 1993 PG III (ERG#128) (Not USEPA Hazardous Waste)	004	DM	1870	P	None
c. RQ, Hazardous Waste Liquid, NOS, Class 9 UN 3082 PG III (D011) (ERG#171)	001	DM	470	P	D011
d. Waste Combustible Liquid, Class 3 NA 1993 PG III (D001) (ERG#128)	001	DM	380	P	D001

J. Additional Descriptions for Materials Listed Above
a: Alcohol, b: Waste Ink, c: Spent Fixer, d: Spent Blanket Wash
K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
Emergency Response 800-555-8888 (24 hrs). If undeliverable, return to generator.

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

GENERATOR: Printed/Typed Name | Signature | Date Month Day Year

TRANSPORTER
17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Date Month Day Year
18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Date Month Day Year

FACILITY
19. Discrepancy Indication Space
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted item 19.
Printed/Typed Name | Signature | Date Month Day Year

EPA Form S700-22
Previous editions are obsolete

Example Only

National Response Center at 800/424-8802 or 202/426-2675.

HAZARDOUS
WASTE
STORAGE
AREA

*** POST THIS NEAR ALL TELEPHONES ***

Emergency Notification List

Emergency Phone Numbers

Fire Department _____
Police Department _____
Ambulance _____
Emergency Coordinator *(Hazardous Waste)* _____
Phone Number/Beeper Number _____
County Sheriff _____
Indiana State Police _____
FBI _____
Poison Information _____
U.S. Marshal _____
Civil Defense _____
Water Department _____
Weather Department _____
Locations of Fire Extinguishers _____
Location of Fire Alarm *(if you have one)*

Spill Emergency Notification

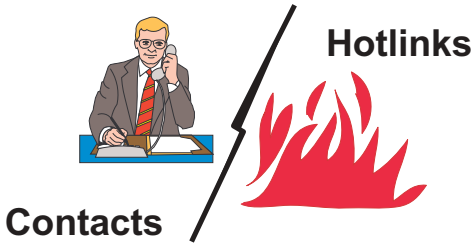
IDEM Emergency Response Branch: (888) 233-7745
24 hrs./day, 7 days/week TOLL FREE

National Response Center: (800) 424-8802
24 hrs./day, 7 days/week TOLL FREE

US EPA ID# _____

County Health Department Phone # _____
Local Public Works/Sewer Department Phone # _____
Recovery Contractor Name: _____
Phone # _____
Location of Spill Control Equipment _____

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT



There is a wealth of compliance and P2 information available to the printer. Here is a list of contacts and websites that may help printers seeking information and offer an opportunity to network online with other printers to find environmental solutions.

Printing Industry of Illinois•Indiana Association
70 East Lake Street
Chicago, IL 60601
(312) 580-3041
Home page www.pii.org

Indiana Department of Environmental Management

Address for all offices:
IDEM (office name from below)
100 N. Senate Avenue
P.O. Box 6015
Indianapolis, IN 46206-6015
Home page www.in.gov/idem

Compliance & Technical Assistance Program (CTAP)
CTAP operates under a confidentiality mandate; other IDEM offices do not operate under this mandate.
150 West Street, Suite 703
Indianapolis, IN 46204-2811
(317) 232-8172 or (800) 988-7901 (Indiana only)
Home page www.in.gov/idem/ctap

Office of Land Quality (OLQ)
(317) 233-3656 or (800) 451-6027, press 0 and ask for ext. 3-3656
Hazardous Waste Generator Status: Marilyn Hansen, ext.2-7956
Manifest Information: Michelle Weddle, ext. 3-4624

Office of Air Quality (OAQ)
(317) 233-0178 or (800) 451-6027, press 0 and ask for ext. 3-0178

Office of Water Quality (OWQ)
(317) 232-8476 or (800) 451-6027, press 0 and ask for ext. 2-8476

Other Regulatory Agencies

Office of the State Fire Marshal including Department of Fire & Building Services
Indiana Government Center South
402 W. Washington St., Room E241
Indianapolis, IN 46204-2739
(317) 232-2226
Home page www.in.gov/sema/osfm

Office of the State Building Commissioner
402 W. Washington Street W246
Indianapolis, IN 46204
(317) 232-1404
Home page www.in.gov/sema/osbc.html

Indiana Department of Labor
Bureau of Safety Education and Training
402 West Washington Street
Indianapolis, IN 46204
(317) 232-2688
For questions about OSHA requirements, ask for Industrial Hygiene Department.

Home page www.in.gov/dol/HTML/buset.html

IOSHA (industrial hygiene)
Home page www.in.gov/dol/ihygn

IOSHA (industrial safety)
Home page www.in.gov/dol/isafe

Indiana Department of Revenue
100 N. Senate Avenue
Indianapolis, IN 46204
(317) 232-2240
Home page www.in.gov/dor

US Environmental Protection Agency (EPA)

Home page www.epa.gov

Region 5 Office	(800) 621-8431
National Response Center (spill response)	(800) 424-8802
Small Business Ombudsman	(800) 368-5098
Home page www.epa.gov/sbo	
Center for Environmental Research information	(513) 569-7562
Indoor Air Quality Information Clearinghouse	(800) 438-4318
EPA Energy Star	(800) 782-7937
Safe Drinking Water	(800) 426-4791
Wastewater/Small Flows Clearinghouse (West Virginia University)	(800) 624-8301
Pollution Prevention Information Clearinghouse	(202) 260-7788
National Solid and Hazardous Waste Ombudsman	(202) 260-9361
Solid and Hazardous Waste (RCRA)	(800) 424-9346
Right to Know Title III (EPCRA)	(800) 535-0202
Toxic Substances Control Act and Asbestos Information	(202) 554-1404
EPA Waste Wi$e/Waste Reduction	(800) 372-9473
Office of Environmental Justice	(800) 962-6215
Office of Pollution Prevention/Toxics/Small Business Liaison	(202) 260-2983
National Center for Environmental Research for Small Business	(800) 490-9194
Recycling Hotline	(800) 263-2687
Small Business Administration	(800) 827-5722

USEPA website for Form R and instructions
Home page **www.epa.gov/TRI**

U.S. Occupational Safety & Health Administration (OSHA)
Home page www.osha.gov

Occupational Safety & Health Administration
(OSHA) (Worker Safety Referral Service) (800) 321-6742

Other Printing Organizations

Graphic Arts Technical Foundation (GATF) (412) 741-6860
Home page www.gatf.lm.com

Printers National Environmental Assistance Center (PNEAC) (888) USPNEAC
(one stop online resource with links to numerous sites and listserver)
Home page www.pneac.org

Printing Industries of America (PIA)
Home page www.printing.org

CHEMTREC (Chemical Manufacturers Association) (Emergency Response) (800) 262-8200

Environmental Conservation board of the Graphic Communications Industries (703) 648-3218

Institute of Advanced Manufacturing Sciences (513) 948-2000
(Center for Applied Environmental Technologies)

Green and Profitable Printing Solid and Hazardous Waste Education Center (608) 262-0385

Small Business Environmental Home Page
Home page www.smallbiz-enviroweb.org

WAZZU P2 Environmental Resource Information Center
(links to numerous sites and the P2 TECH archives)
Home page www.wsu.edu:8080/~wazzup2/wazzu.htm

Enviroene (home page for P2 case studies & more)
Home page www.seattle.batelle.org/es-guide/print/print.htm

Listservers

Printiers' National Environmental Assistance Center (PNEAC)

Home page **www.pneac.org**

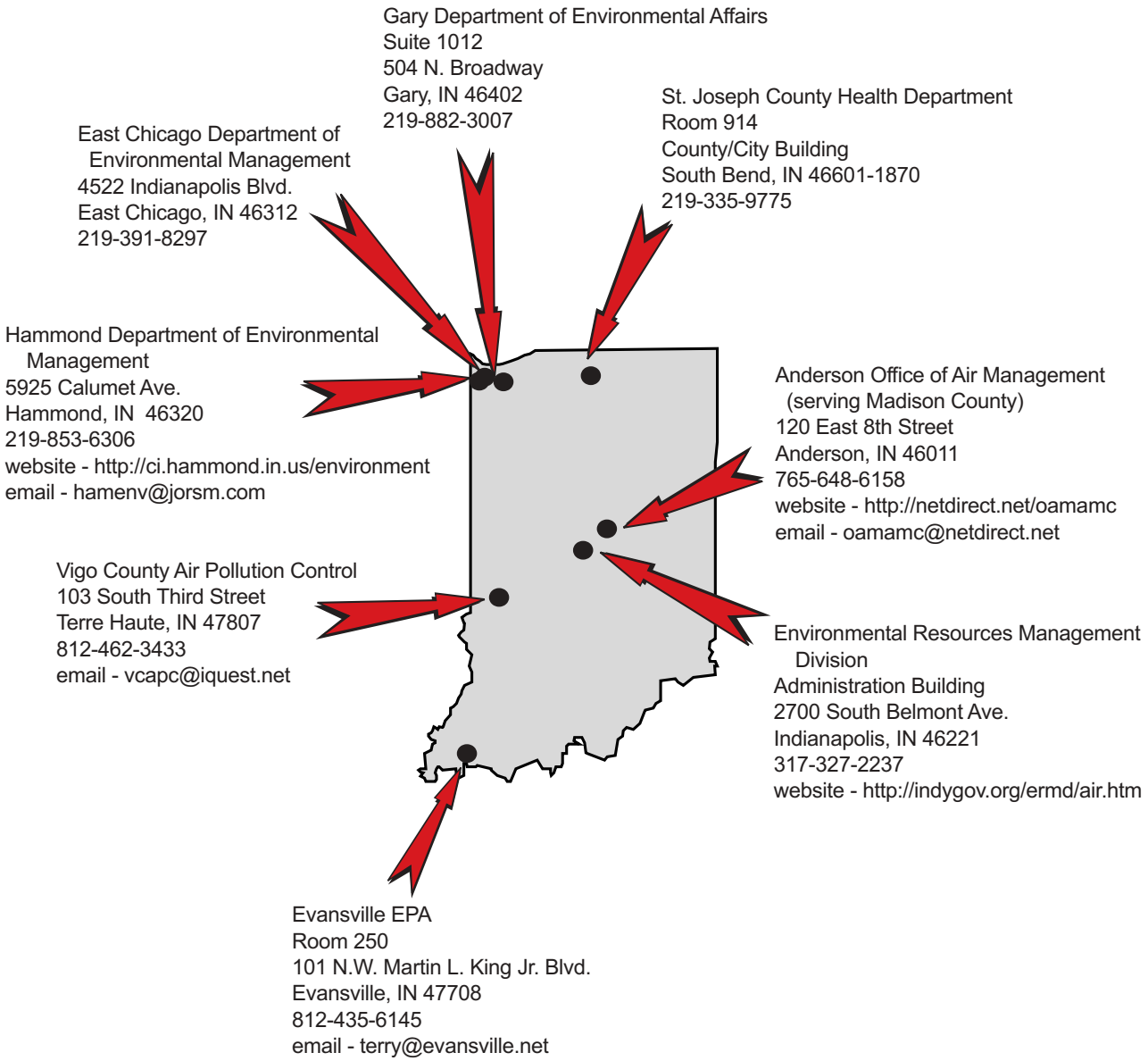
Listserv page **www.pneac.org/listserv/home2.htm**

PrinTech & PrintReg (free online discussions and resources for printers)

P2Tech (free online discussions and resources for any industry)
Send email to this address for more information – owner-p2tech@great-lakes.net

Local Air Pollution Control Agencies

Along with EPA and IDEM, there are agencies who work at the local level to ensure that the regulated community is in compliance with air pollution requirements. Each local air agency is structured differently to best serve its citizens. Local requirements may be more stringent than the federal or state requirements, so you should contact these agencies directly for more information.



Municipalities with Approved Local Pretreatment Programs

(as of August 1, 2000)

POTW	CONTACT	PHONE #	FAX #
Anderson	Mr. Marlin Fisher	765/648-6569	765/642-2211
Auburn	Mr. David Lochner	219/925-1714	219/925-8243
Bloomington	Mr. John Langley	812/349-3656	812/331-5407
Bremen	Mr. Bill Reed	219/546-3829	219/546-5487
Columbus	Mr. Bob Lindemann	812/372-8861 X471	812/376-2475
Connersville	Ms. Maryellen Blanton	765/825-9411	765/825-5031
Crawfordsville	Mr. Larry Kadinger	765/364-5169	765/364-5177
East Chicago	Ms. Nickie Geros	219/391-8466	219/391-8254
Elkhart	Ms. Lynn Newvine	219/293-2572	219/293-7658
Evansville	Mr. Tim Berkmeier	812/426-2820	812/426-2833
Fort Wayne	Mr. Jim Cornell	219/427-1271	219/427-1174
Frankfort	Mr. Dennis Shirar	765/659-4741	765/659-4742
Gary	Ms. Lori Sloan	219/944-1211 X200	219/944-0723
Goshen	Mr. David Bates	219/534-5802	219/534-4350
Greensburg	Mr. Cathy Rich	812/663-2138	812/663-3258
Hammond	Mr. Jeffery Massey	219/853-6413	219/853-6321
Huntington	Mr. Shad Funk	219/358-2313	219/356-0344
Indianapolis	Mr. Timothy Heider	317/327-2247	317/327-2230
Jasper	Ms. Joyce Leinenbach	812/482-3277	812/482-3284
Jeffersonville	Ms. Carrie Black	812/285-6451	812/285-6454
Kendallville	Mr. Bill Forbes	219/347-1362	219/347-7037
Kokomo	Mr. Rodger Fain	765/457-5509	765/457-9781
Lafayette	Ms. Angela Andrews	765/476-4550	765/476-4549
LaPorte	Mr. Matthew Amor	219/362-2354	219/362-1018
Logansport	Mr. Paul Hartman	219/753-6231	219/753-9828
Madison	Mr. David Hawkins	812/265-8328	812/265-3349
Marion	Mr. Richard Kain	765/664-9056	765/668-8556
Michigan City	Mr. Michael Hoffman	219/874-7799	219/874-8053
Mishawaka	Mr. Don Demeter	219/258-1655	219/255-3557
Muncie	Mr. John Craddock	765/747-4896	765/747-4723
New Albany	Ms. Joanna Wood	812/948-5338	812/948-1596
New Castle	Mr. Chris Maines	765/521-6836	765/521-6839
North Vernon	Mr. Thomas Schwing	812/346-5493	812/346-7304
Plymouth	Mr. Dennis Hooker	219/936-2368	219/936-3017
Princeton	Mr. Wiliam Eubanks	812/385-3343	812/385-8743
Richmond	Mr. Steve Swoveland	765/983-7473	765/962-2669
Seymour	Mr. Simen Stearns	812/522-5351	812/523-6907
Shelbyville	Mr. William Barnes, II.	317/392-5131	317/392-5143
South bend	Mr. Ken Zmudzinski	219/277-8515	219/277-8980
Speedway	Mr. John Semenick	317/248-1446	317/248-1446
Terre Haute	Mr. Bill Cultice	812/232-6564	812/232-5217
Valparaiso	Mr. Richard Denny	219/464-4973	219/465-0275
Vincennes	Mr. Todd Chimel	812/886-5011	812/886-5045
Wabash	Mr. Bob Gray	219/563-2941	219/569-9406
Warsaw	Mr. David Van Dyke	219/372-9562	219/267-6885