

**AIR POLLUTION CONTROL DISTRICT**  
**850 Barret Ave., Suite 205**  
**Louisville, KY 40204 -1475**

**HAP EMISSIONS REPORTING FORM**

**I. Source Information**

Source Name: \_\_\_\_\_

Source Location: \_\_\_\_\_

Source Contact: \_\_\_\_\_

Telephone Number: \_\_\_\_\_ Plant ID No. \_\_\_\_\_

**II. Emissions Data**

Place an X beside each compound to indicate which hazardous air pollutants are emitted from this source. Indicate the actual emission rate in tons per year for each HAP emitted from this source.

<b>X</b>	<b>CAS No.</b>	<b>Chemical Name</b>	<b>TPY</b>
	75-07-0	Acetaldehyde	
	60-35-5	Acetamide	
	75-05-8	Acetonitrile	
	98-86-2	Acetophenone	
	53-96-3	2-Acetylaminofluorene	
	107-02-8	Acrolein	
	79-06-1	Acrylamide	
	79-10-7	Acrylic acid	
	107-13-1	Acrylonitrile	
	107-05-1	Allyl chloride	

<b>X</b>	<b>CAS No.</b>	<b>Chemical Name</b>	<b>TPY</b>
	92-67-1	4-Aminobiphenyl	
	62-53-3	Aniline	
	90-04-0	o-Anisidine	
	1332-21-4	Asbestos	
	71-43-2	Benzene (including benzene from gasoline)	
	92-87-5	Benzidine	
	98-07-7	Benzotrichloride	
	100-44-7	Benzyl chloride	
	92-52-4	Biphenyl	
	117-81-7	Bis(2-ethylhexyl)phthalate (DEHP)	
	542-88-1	Bis(chloromethyl)ether	
	75-25-2	Bromoform	
	106-99-0	1,3-Butadiene	
	156-62-7	Calcium cyanamide	
	133-06-2	Captan	
	63-25-2	Carbaryl	
	75-15-0	Carbon disulfide	
	56-23-5	Carbon tetrachloride	
	463-58-1	Carbonyl sulfide	
	120-80-9	Catechol	
	133-90-4	Chloramben	
	57-74-9	Chlordane	
	7782-50-5	Chlorine	
	79-11-8	Chloroacetic acid	
	532-27-4	2-Chloroacetophenone	

<b>X</b>	<b>CAS No.</b>	<b>Chemical Name</b>	<b>TPY</b>
	108-90-7	Chlorobenzene	
	510-15-6	Chlorobenzilate	
	67-66-3	Chloroform	
	107-30-2	Chloromethyl methyl ether (CMME)	
	126-99-8	Chloroprene (2-Chloro-1,3-butadiene)	
	1319-77-3	Cresol/Cresylic acid (mixed isomers)	
	95-48-7	o-Cresol	
	108-39-4	m-Cresol	
	106-44-5	p-Cresol	
	98-82-8	Cumene	
	N/A	2,4-D (including salts and esters) (2,4-Dichlorophenoxyacetic acid)	
	72-55-9	DDE (1,1-Dichloro-2,2-bis[p-chlorophenyl]ethylene)	
	334-88-3	Diazomethane	
	132-64-9	Dibenzofuran	
	96-12-8	1,2-Dibromo-3-chloropropane	
	84-74-2	Dibutylphthalate	
	106-46-7	1,4-Dichlorobenzene	
	91-94-1	3,3'-Dichlorobenzidine	
	111-44-4	Dichloroethyl ether (Bis(2-chloroethyl)ether)	
	542-75-6	1,3-Dichloropropene	
	62-73-7	Dichlorvos	
	111-42-2	Diethanolamine	
	64-67-5	Diethyl sulfate	
	119-90-4	3,3'-Dimethoxybenzidine	
	60-11-7	4-Dimethylaminoazobenzene	

<b>X</b>	<b>CAS No.</b>	<b>Chemical Name</b>	<b>TPY</b>
	121-69-7	N,N-Dimethylaniline	
	119-93-7	3,3'-Dimethylbenzidine	
	79-44-7	Dimethyl carbamoyl chloride	
	68-12-2	N,N-Dimethylformamide (DMF)	
	57-14-7	1,1-Dimethylhydrazine	
	131-11-3	Dimethyl phthalate	
	77-78-1	Dimethyl sulfate	
	N/A	4,6-Dinitro-o-cresol (including salts)	
	51-28-5	2,4-Dinitrophenol	
	121-14-2	2,4-Dinitrotoluene	
	123-91-1	1,4-Dioxane (1,4-Diethyleneoxide)	
	122-66-7	1,2-Diphenylhydrazine	
	106-89-8	Epichlorohydrin (1-Chloro-2,3-epoxypropane)	
	106-88-7	1,2-Epoxybutane	
	140-88-5	Ethyl acrylate	
	100-41-4	Ethyl benzene	
	51-79-6	Etyhl carbamate (Urethane)	
	75-00-3	Ethyl chloride (Chloroethane)	
	106-93-4	Ethylene dibromide (Dibromoethane)	
	107-06-2	Ethylene dichloride (1,2-Dichloroethane)	
	107-21-1	Ethylene glycol	
	151-56-4	Ethyleneimine (Aziridine)	
	75-21-8	Ethylene oxide	
	96-45-7	Ethylene thiourea	
	75-34-3	Ethylidene dichloride (1,1-Dichloroethane)	

<b>X</b>	<b>CAS No.</b>	<b>Chemical Name</b>	<b>TPY</b>
	50-00-0	Formaldehyde	
	76-44-8	Heptachlor	
	118-74-1	Hexachlorobenzene	
	87-68-3	Hexachlorobutadiene	
	N/A	1,2,3,4,5,6-Hexachlorocyclohexane (all stereo isomers, including lindane)	
	77-47-4	Hexachlorocyclopentadiene	
	67-72-1	Hexachloroethane	
	822-06-0	Hexamethylene-1,6-diisocyanate	
	680-31-9	Hexamethylphosphoramide	
	110-54-3	Hexane	
	302-01-2	Hydrazine	
	7647-01-0	Hydrochloric acid (Hydrogen chloride [gas only])	
	7664-39-3	Hydrogen fluoride (Hydrofluoric acid)	
	123-31-9	Hydroquinone	
	78-59-1	Isophorone	
	108-31-6	Maleic anhydride	
	67-56-1	Methanol	
	72-43-5	Methoxychlor	
	74-83-9	Methyl bromide (Bromomethane)	
	74-87-3	Methyl chloride (Chloromethane)	
	71-55-6	Methyl chloroform (1,1,1-Trichloroethane)	
	60-34-4	Methylhydrazine	
	74-88-4	Methyl iodide (Iodomethane)	
	108-10-1	Methyl isobutyl ketone (Hexone)	
	624-83-9	Methyl isocyanate	

<b>X</b>	<b>CAS No.</b>	<b>Chemical Name</b>	<b>TPY</b>
	80-62-6	Methyl methacrylate	
	1634-04-4	Methyl-tert-butylether	
	101-14-4	4,4'-Methylene bis(2-chloroaniline)	
	75-09-2	Methylene chloride (Dichloromethane)	
	101-68-8	4,4'-Methylenediphenyl diisocyanate (MDI)	
	101-77-9	4,4'-Methylenedianiline	
	91-20-3	Naphthalene	
	98-95-3	Nitrobenzene	
	92-93-3	4-Nitrobiphenyl	
	100-02-7	4-Nitrophenol	
	79-46-9	2-Nitropropane	
	684-93-5	N-Nitroso-N-methylurea	
	62-75-9	N-Nitrosodimethylamine	
	59-89-2	N-Nitrosomorpholine	
	56-38-2	Parathion	
	82-68-8	Pentachloronitrobenzene (Quintobenzene)	
	87-86-5	Pentachlorophenol	
	108-95-2	Phenol	
	106-50-3	p-Phenylenediamine	
	75-44-5	Phosgene	
	7803-51-2	Phosphine	
	N/A	Phosphorus compounds	
	85-44-9	Phthalic anhydride	
	1336-36-3	Polychlorinated biphenyls (PCBs) (Aroclors)	
	1120-71-4	1,3-Propane sultone	

<b>X</b>	<b>CAS No.</b>	<b>Chemical Name</b>	<b>TPY</b>
	57-57-8	beta-Propiolactone	
	123-38-6	Propionaldehyde	
	114-26-1	Propoxur (Baygon)	
	78-87-5	Propylene dichloride (1,2-Dichloropropane)	
	75-56-9	Propylene oxide	
	75-55-8	1,2-Propylenimine (2-Methylaziridine)	
	91-22-5	Quinoline	
	106-51-4	Quinone (p-Benzoquinone)	
	100-42-5	Styrene	
	96-09-3	Styrene oxide	
	1746-01-6	2,3,7,8-Tetrachlorodibenzo-p-dioxin	
	79-34-5	1,1,2,2-Tetrachloroethane	
	127-18-4	Tetrachloroethylene (Perchloroethylene)	
	7550-45-0	Titanium tetrachloride	
	108-88-3	Toluene	
	95-80-7	Toluene-2,4-diamine	
	584-84-9	2,4-Toluene diisocyanate (TDI)	
	95-53-4	o-Toluidine	
	8001-35-2	Toxaphene (Chlorinated camphene)	
	120-82-1	1,2,4-Trichlorobenzene	
	79-00-5	1,1,2-Trichloroethane	
	79-01-6	Trichloroethylene	
	95-95-4	2,4,5-Trichlorophenol	
	88-06-2	2,4,6-Trichlorophenol	
	121-44-8	Triethylamine	

<b>X</b>	<b>CAS No.</b>	<b>Chemical Name</b>	<b>TPY</b>
	1582-09-8	Trifluralin	
	540-84-1	2,2,4-Trimethylpentane	
	108-05-4	Vinyl acetate	
	593-60-2	Vinyl bromide	
	75-01-4	Vinyl chloride	
	75-35-4	Vinylidene chloride (1,1-Dichloroethylene)	
	1330-20-7	Xylene (mixed isomers)	
	95-47-6	o-Xylene	
	108-38-3	m-Xylene	
	106-42-3	p-Xylene	
	N/A	Antimony compounds	
	N/A	Arsenic compounds (inorganic including arsine)	
	N/A	Beryllium compounds	
	N/A	Cadmium compounds	
	N/A	Chromium compounds	
	N/A	Cobalt compounds	
	N/A	Coke oven emissions	
	N/A	Cyanide compounds (1)	
	N/A	Glycol ethers (2)	
	N/A	Lead compounds (excluding elemental lead)	
	N/A	Manganese compounds	
	N/A	Mercury compounds	
	N/A	Fine mineral fibers (3)	
	N/A	Nickel compounds	
	N/A	Polycyclic Organic Matter (4)	

X	CAS No.	Chemical Name	TPY
	N/A	Radionuclides (including radon) (5)	
	N/A	Selenium compounds	
		None of the compounds listed in section II will be emitted from this source.	

**Note:** For all listings above which contain the word "compounds" and for glycol ethers, the following applies: Unless otherwise specified, these listings are defined as including any unique chemical substance that contains the named chemical (i.e., antimony, arsenic, etc.) as part of that chemical's infrastructure.

- (1)  $X'CN$  where  $X = H'$  or any other group where a formal dissociation may occur. For example,  $KCN$  or  $Ca(CN)_2$
- (2) Includes mono- and di-ethers of ethylene glycol, diethylene glycol, and triethylene glycol  $R-(OCH_2CH_2)_n-OR'$   
where:  
 $n = 1, 2, \text{ or } 3$   
 $R = \text{alkyl or aryl groups}$   
 $R' = R, H, \text{ or groups which, when removed, yield glycol ethers with the structure: } R-(OCH_2CH_2)_n-OH.$  Polymers are excluded from the glycol category.
- (3) Includes mineral fiber emissions from facilities manufacturing or processing glass, rock, or slag fibers (or other mineral derived fibers) of average diameter 1 micrometer or less.
- (4) Includes organic compounds with more than one benzene ring, and which have a boiling point greater than or equal to  $100^\circ C$ .
- (5) A type of atom which spontaneously undergoes radioactive decay.

\* Methyl Ethyl Ketone (MEK) has been de-listed as a HAP by EPA effective January 1, 2006.

### III. Emissions Data

Indicate the total HAP emissions for all HAPs listed on this form that are emitted from this source. Indicate the emissions/calendar year being reported. Indicate from the choices given, which method that was used to determine the reported emission values.

Total HAP Emissions \_\_\_\_\_ Tons Per Year (TPY)

Emission/Calendar Year \_\_\_\_\_

Emissions Method Code \_\_\_\_\_

- 1 Calculations based upon **Stack Test Data**
- 2 Calculations based on a **Material Balance** approach
- 3 Calculations based on a **Standard Federal Emission Factor**
- 4 Estimate based on **Best Engineering Judgement/Guess** considerations
- 5 Calculations based on non-standard **User Supplied Emission Factor**
- 6 Determinations based on **Engineering Data / Calculations** \*
- 7 Calculations based on **Material Quantity and Composition**
- 8 Calculations based on **Continuous Emission Monitoring (CEM) Data**
- 9 Calculations based upon application of **AP-42 Methodology**

\* This method is appropriate when all other methods have been excluded. This determination can be a combination of several of the other methods listed; such as a material balance in combination with source testing, or the use of any other method for determining emission factors or final emission results.

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### IV. Data Certification

Based on available information and beliefs formed, after reasonable inquiry, I certify that the statements and information in this document are true, accurate, and complete.

Name of Signatory \* \_\_\_\_\_

( please print the name of company official )

Title \_\_\_\_\_ Phone No. \_\_\_\_\_

Signature \* \_\_\_\_\_ Date \_\_\_\_\_

\* Certifying individual must be a responsible company official, pursuant to APCD Regulation 2.16, Section 3.5.11 once a Title V permit has been issued to the company. For all other permitted sources, the Signatory shall be an authorized person of the company.