



Transmittal Number \_\_\_\_\_

# BWP AQ 09

## Restricted Emission Status Application

Facility ID# (if known) \_\_\_\_\_

### A. Facility Information

**Important:**  
When filling out forms on the computer, use only the tab key to move your cursor - do not use the return key.



1. \_\_\_\_\_  
Facility Name
2. \_\_\_\_\_  
Street Address
3. \_\_\_\_\_ State \_\_\_\_\_ Zip Code \_\_\_\_\_  
City/Town
4. \_\_\_\_\_  
Contact

### Plan Application Preparer

1. \_\_\_\_\_  
Person who compiled the plan's application materials
2. \_\_\_\_\_  
Representing
3. \_\_\_\_\_  
Address
4. \_\_\_\_\_ State \_\_\_\_\_ Zip Code \_\_\_\_\_  
City/Town
5. \_\_\_\_\_  
Telephone Number (including extension)
6. \_\_\_\_\_  
Date Completed

### B. Applicability

This form is used to apply for a Restricted Emissions Status (RES) in accordance with 310 CMR 7.02(9). Please check all that apply:

- 1. restrict potential emissions to allow redesignation, for purposes of compliance fees (310 CMR 4.03); or
- 2. restrict potential emissions below the Reasonably Available Control Technology (RACT) applicability thresholds for Volatile Organic Compounds (VOCs) (310 CMR 7.18); or
- 3. restrict potential emissions below the Reasonably Available Control Technology (RACT) applicability thresholds for nitrogen oxides (NO<sub>x</sub>)(310 CMR 7.19); or
- 4. restrict potential emissions below the Reasonable Available Control Technology (RACT) applicability thresholds for halogenated organic compounds (HOCs) (310 CMR 7.18); or
- 5. restrict potential emissions below operating permit program (310 CMR 7.00, appendix C) thresholds; or
- 6. restrict potential emissions for any other applicable requirement.\* HAPs before the substantive compliance date

This form is not to be used in applying for approval to construct or modify any facility, nor may this form be used to contravene the requirements of any written approval issued by the Department.



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### Pollutant(s) Restricted

Check all that are applicable:

- Sulfur Dioxide
- Oxides of Nitrogen (NO<sub>x</sub>)
- Volatile Organic Compounds (VOC)
- Halogenated Organic Compounds (HOC)
- Hazardous Air Pollutants (HAP)
- Other (Describe): \_\_\_\_\_

Please note that even if you restrict potential VOC emissions to below "major source" status (i.e. 50 tons per year), if your VOC emissions include 10 or more tons of a single HAP or 25 or more tons of any combination of HAPs, your facility would still be "major" thus would still be subject to operating permits at 310 CMR 7.00 Appendix C. See attached list of HAPs beginning on page 9.

### Supplemental Information

Include all supplemental information necessary to document/substantiate this restriction including but not limited to:

- raw material formulation specifications
- equipment design literature
- examples of recordkeeping
- calculations

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### C. Facility Emission History

This form is for the restriction of POTENTIAL EMISSIONS as described in Sections G and H as well as in the instructions of this form.

For each pollutant which is to be restricted by this approval complete the following, where:

**Current Potential Emissions** means the potential for the entire facility as it currently exists, accounting for any and all previous approvals and/or restrictions.

**Actual Baseline Emissions** means the highest actual emissions for this facility of VOC, HOC and NO<sub>x</sub> since 1990. Note on a separate piece of paper any changes to the facility that are accounted for in that year's emissions (for example, equipment added or removed).



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### C. Facility Emission History (cont.)

**Proposed Potential Emissions** means the potential that will be established by this project. You will have to complete the rest of this form before completing this section. Be sure this value is the same as indicated in Section H.

**Warning:** There may be limits on what you may propose as Potential Emissions based on Current Potential and Actual Baseline Emissions. Specifically, this application cannot be used to avoid or RACT requirements if actual emissions (of VOC, HOC, or NO<sub>x</sub>) have exceeded 50 TPY since calendar year 1990. You may establish limits to avoid applicability of other requirements but will still be subject to RACT.

Air Contaminant*	Current Potential Emissions (TPY)**	Actual Baseline Emissions*** (TPY)	Proposed Potential Emissions (YPY)
Particulate:			
SO <sub>2</sub>	_____	_____	_____
NO <sub>x</sub>	_____	_____	_____
VOC	_____	_____	_____
HOC	_____	_____	_____
HAP (list):			
1. _____	_____	_____	_____
2. _____	_____	_____	_____
Other (specify):			
_____	_____	_____	_____

\* Complete Only for air contaminants that will be affected by this RES.

\*\* TPY = tons per year

\*\*\* only for NOX, HOC and VOC

### D. Historical Usages

Indicate quantity of fuel or raw materials that resulted in the Actual Baseline Emissions as reported in Section C - Facility History. (Indicate gallons, cubic feet, pounds, etc.)

	Unit No. _____	Unit No. _____	Unit No. _____	Total
1. Primary fuel used	_____	_____	_____	_____
2. Auxiliary fuel used	_____	_____	_____	_____
3. Raw material				
I. _____	_____	_____	_____	_____
II. _____	_____	_____	_____	_____
III. _____	_____	_____	_____	_____



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## Restricted Emission Status Application

### E. Equipment Description – Fuel Utilization Equipment

Complete this section, Fuel Utilization Equipment and/or Section F, Process Equipment, depending upon the source of the emissions for which you are seeking a restriction.

(use additional pages, if necessary)

	Unit No. _____	Unit No. _____	Unit No. _____
1. Type of Equipment (boiler, oven, space heater, diesel, etc.)	_____	_____	_____
2. Manufacturer	_____	_____	_____
3. Model Number	_____	_____	_____
4. Maximum Input Rating (Btu/hr)	_____	_____	_____
5. Burner Manufacturer	_____	_____	_____
6. Model Number	_____	_____	_____
7. Number of Burners in Each Combustion Unit	_____	_____	_____
8. Primary Fuel			
a. Type and Grade	_____	_____	_____
b. Sulfur Content (% by weight)	_____	_____	_____
c. Maximum Fuel Firing Rate (All burners firing) (indicate gal/hr, lbs/hr, cubic feet per hour, etc.)	_____	_____	_____
9. Standby or Auxiliary Fuel			
a. Type and Grade	_____	_____	_____
b. Sulfur Content (% by weight)	_____	_____	_____
c. Maximum Fuel Firing Rate (All burners firing) (indicate gal/hr, lbs/hr, cubic feet per hour, etc.)	_____	_____	_____
10. Date of Installation	_____	_____	_____
11. Modification Since Installation			
a. Type of Modification	_____	_____	_____
b. Date of Modification	_____	_____	_____



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## Restricted Emission Status Application

### E. Equipment Description – Fuel Utilization Equipment (cont.)

Unit No. \_\_\_\_\_ Unit No. \_\_\_\_\_ Unit No. \_\_\_\_\_

12. DEP Air Quality Approvals (if applicable)

a. Approval Number \_\_\_\_\_

b. Date of Approval \_\_\_\_\_

c. Modifications to Approval (describe):

\_\_\_\_\_  
\_\_\_\_\_

Date \_\_\_\_\_

Approval Number \_\_\_\_\_

### F. Equipment Description – Process Equipment

Unit No. \_\_\_\_\_ Unit No. \_\_\_\_\_ Unit No. \_\_\_\_\_

1. Type of Equipment (Coater, Paint Spray Booth, Degreaser, etc.) \_\_\_\_\_

2. Manufacturer \_\_\_\_\_

3. Model Number \_\_\_\_\_

4. Maximum Process Rate\* (include amount with units, i.e. gal/hr, lbs/hr, etc.)

a. raw material(s) (list)

i. \_\_\_\_\_

ii. \_\_\_\_\_

b. finished material(s) (list)

i. \_\_\_\_\_

ii. \_\_\_\_\_

\* Refers to the maximum rate at which the piece of equipment can utilize raw (or produce finished) materials. This is not the equipment normal operation rate but rather its absolute design capacity.



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### F. Equipment Description – Process Equipment (cont.)

	Unit No. _____	Unit No. _____	Unit No. _____
5. Date of Installation	_____	_____	_____
6. Modifications Since Installation			
a. Type of Modification	_____	_____	_____
b. Date of Modification	_____	_____	_____
12. DEP Air Quality Approvals (if applicable)			
a. Approval Number	_____	_____	_____
b. Date of Approval	_____	_____	_____
c. Modifications to Approval (describe):	_____		
	_____		
Date	_____	_____	_____
Approval Number	_____	_____	_____

**Note: See instructions to complete section G.**

### G. Operating Restriction

#### I. Fuel Utilization Equipment Restriction

1. Fuel Restriction – Enter amount and units (gallons, cubic feet, etc.):

a. Short term rate (check one):

- per month
- per day
- per hour
- other \_\_\_\_\_

(may not be any longer than “per month”)

	Unit No. _____	Unit No. _____	Unit No. _____	Total
primary fuel	_____	_____	_____	_____
auxiliary fuel	_____	_____	_____	_____

Complete Section I – Fuel Utilization Equipment Restriction and/or Section II – Process Equipment Restriction, depending upon the source of the emissions for which you are seeking a restriction.

This restriction can never be exceeded without prior written Department approval.



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### G. Operating Restriction (cont.)

	Unit No. _____	Unit No. _____	Unit No. _____	Total
b. Twelve month rolling calendar period rate:				
primary fuel	_____	_____	_____	_____
auxiliary fuel	_____	_____	_____	_____

2. Alternative or additional restrictions. Describe any other physical or operational restriction on the capacity of the equipment to emit a pollutant (including air pollution control equipment):

\_\_\_\_\_  
\_\_\_\_\_

### II. Process Equipment Restriction

This emission restriction can never be exceeded without prior written Departmental approval. Carefully read the instructions and information.

1. Raw Material Restriction – Enter amount and units (gallons, pounds, etc.)

a. Short term rate (check one):

- per month
- per day
- per hour
- other \_\_\_\_\_

(may not be any longer than “per month”)

	Unit No. _____	Unit No. _____	Unit No. _____	Total
i. _____	_____	_____	_____	_____
ii. _____	_____	_____	_____	_____
b. Twelve month rolling calendar period rate:				
i. _____	_____	_____	_____	_____
ii. _____	_____	_____	_____	_____

2. Alternative or additional restrictions. Describe any other physical or operational restriction on the capacity of the equipment to emit a pollutant (including air pollution control equipment):

\_\_\_\_\_  
\_\_\_\_\_



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### H. Emissions

**Note: see instructions to complete section H.**

1. Emissions rate - For each pollutant you wish to restrict, provide emission rate for each unit (lbs/million BTU, lbs/hr, lbs/hp, lbs./unit product, lbs/gallon coating, etc.) and indicate basis of emission rate (Department approval letter, manufacturer information, emission factor, etc):

	Unit No. _____	Unit No. _____	Unit No. _____
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a. SO <sub>2</sub>	rate	_____	_____	_____
	basis	_____	_____	_____

b. NO <sub>x</sub>	rate	_____	_____	_____
	basis	_____	_____	_____

**Note for c. and d. – Do not include HAP's if listing separately in item e.**

c. VOC	rate	_____	_____	_____
	basis	_____	_____	_____

d. HOC	rate	_____	_____	_____
	basis	_____	_____	_____

**Note for e. – Complete only if you wish to limit a particular HAP (see list attached). If HAP that you are restricting is also a VOC or HOC, do not include in item c. or d.**

e. HAP (list each HAP separately)				
i. _____				
Name				
rate	_____	_____	_____	_____
basis	_____	_____	_____	_____
ii. _____				
Name				
rate	_____	_____	_____	_____
basis	_____	_____	_____	_____



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### H. Emissions (cont.)

	Unit No. _____	Unit No. _____	Unit No. _____
iii. _____ Name			
rate	_____	_____	_____
_____	_____	_____	_____

**Note for f.** – “Other” refers to any other pollutant for which the owner/operator is seeking a restriction, e.g. particulate or CO.

f. Other			
rate	_____	_____	_____
basis	_____	_____	_____

2. Total emissions – Provide emission totals using proposed restriction in part G (enter amount in tons of pollutant):

a. Short term rate (check one):

- per month
- per day
- per hour
- other \_\_\_\_\_

(may not be any longer than “per month”)

	Unit No. _____	Unit No. _____	Unit No. _____
SO <sub>2</sub>	_____	_____	_____
NO <sub>x</sub>	_____	_____	_____
VOC	_____	_____	_____
HOC	_____	_____	_____
HAP			
I. _____	_____	_____	_____
II. _____	_____	_____	_____
III. _____	_____	_____	_____
Other	_____	_____	_____

“Other” refers to any other pollutant for which the facility is seeking a restriction, e.g. particulate or CO.



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### H. Emissions (cont.)

b. Twelve month rolling calendar period rate:

	Unit No. _____	Unit No. _____	Unit No. _____
SO <sub>2</sub>	_____	_____	_____
NO <sub>x</sub>	_____	_____	_____
VOC	_____	_____	_____
HOC	_____	_____	_____
HAP			
I. _____	_____	_____	_____
II. _____	_____	_____	_____
III. _____	_____	_____	_____
Other	_____	_____	_____

### I. Calculations

Provide details of emission calculations (attach additional pages if necessary):

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

### J. Monitoring/Recordkeeping

Indicate mechanism to verify operational restriction proposed in section G, including:

1. Monitors – Monitoring equipment may include fuel meters and recorders, hour meters and recorders, CEMs, temperature recorders, flow meters, etc.:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_



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### J. Monitoring/Recordkeeping (cont.)

- Recordkeeping - Describe records that will be kept and attach examples. Recordkeeping may include daily logs, meter charts, time logs, fuel purchase records, raw material records, disposal records, excess emission records, CEM records, test reports, etc.:

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### K. Certification

This form must be signed by the owner or by a responsible company official working at the location of the source. Even if an agent has been designated to fill out this form, the owner or responsible officer must sign it.

"I certify that I have personally examined the foregoing and am familiar with the information contained in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including possible fines and imprisonment."

Signed under the pains and penalties of perjury:

Print Name

Authorized Signature

Position/Title

Representing

Date



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### L. Hazardous Air Pollutants

#### Hazardous Air Pollutants

Name	CAS #
<input type="checkbox"/> Acetaldehyde	75-07-0
<input type="checkbox"/> Acetamide	60-35-5
<input type="checkbox"/> Acetonitrile	75-05-8
<input type="checkbox"/> Acetophenone	98-86-2
<input type="checkbox"/> 2-Acetylaminofluorene	53-96-3
<input type="checkbox"/> Acrolein	107-02-8
<input type="checkbox"/> Acrylamide	79-06-1
<input type="checkbox"/> Acrylic acid	79-10-7
<input type="checkbox"/> Acrylonitrile	107-13-1
<input type="checkbox"/> Allyl chloride	107-05-1
<input type="checkbox"/> 4-Aminobiphenyl	92-67-1
<input type="checkbox"/> Aniline	62-53-3
<input type="checkbox"/> o-Anisidine	90-04-0
<input type="checkbox"/> Asbestos	1332-21-4
<input type="checkbox"/> Benzene	71-43-2
<input type="checkbox"/> Benzidine	92-87-5
<input type="checkbox"/> Benzotrichloride	98-07-7
<input type="checkbox"/> Benzyl chloride	100-44-7
<input type="checkbox"/> Biphenyl	92-52-4
<input type="checkbox"/> Bis(2-ethylhexyl)phthalate	117-81-7
<input type="checkbox"/> Bis(chloromethyl)ether	542-88-1
<input type="checkbox"/> Bromoform	75-25-2
<input type="checkbox"/> 1,3-Butadiene	106-99-0
<input type="checkbox"/> Calcium cyanamide	156-62-7
<input type="checkbox"/> Captan	133-06-2
<input type="checkbox"/> Carbaryl	63-25-2
<input type="checkbox"/> Carbon disulfide	75-15-0
<input type="checkbox"/> Carbon tetrachloride	56-23-5
<input type="checkbox"/> Carbonyl sulfide	463-58-1
<input type="checkbox"/> Catechol	120-80-9
<input type="checkbox"/> Chloramben	133-90-4
<input type="checkbox"/> Chlordane	57-74-9
<input type="checkbox"/> Chlorine	7782-50-5
<input type="checkbox"/> Chloroacetic acid	79-11-8
<input type="checkbox"/> 2-Chloroacetophenone	532-27-4
<input type="checkbox"/> Chlorobenzene	108-90-7
<input type="checkbox"/> Chlorobenzilate	510-15-6
<input type="checkbox"/> Chloroform	67-66-3
<input type="checkbox"/> Chloromethyl methyl ether	107-30-2
<input type="checkbox"/> Chloroprene	126-99-8
<input type="checkbox"/> Cresols (mixed isomers)	1319-77-3
<input type="checkbox"/> m-Cresol	108-39-4
<input type="checkbox"/> o-Cresol	95-48-7
<input type="checkbox"/> p-Cresol	106-44-5
<input type="checkbox"/> Cumene	98-82-8
<input type="checkbox"/> 2,4-D, salts and esters	94-75-7
<input type="checkbox"/> DDE	3547-04-4

#### Hazardous Air Pollutants

Name	CAS #
<input type="checkbox"/> Diazomethane	334-88-3
<input type="checkbox"/> Dibenzofuran	132-64-9
<input type="checkbox"/> 1,2-Dibromo-3-chloropropane	96-12-8
<input type="checkbox"/> Dibutylphthalate	84-74-2
<input type="checkbox"/> 1,4-Dichlorobenzene	106-46-7
<input type="checkbox"/> 3,3-Dichlorobenzidine	91-94-1
<input type="checkbox"/> Dichloroethylether (Bis(2-chloroethyl)ether)	111-44-4
<input type="checkbox"/> 1,3-Dichloropropene (1,3-Dichloropropylene)	542-75-6
<input type="checkbox"/> Dichlorvos	62-73-7
<input type="checkbox"/> Diethanolamine	111-42-2
<input type="checkbox"/> N,N-Diethyl aniline (N,N-Dimethylaniline)	121-69-7
<input type="checkbox"/> Diethyl sulfate	64-67-5
<input type="checkbox"/> 3,3-Dimethoxybenzidine	119-90-4
<input type="checkbox"/> Dimethyl aminoazobenzene	60-11-7
<input type="checkbox"/> 3,3-Dimethyl benzidine	119-93-7
<input type="checkbox"/> Dimethyl carbamyl chloride	79-44-7
<input type="checkbox"/> Dimethyl formamide	68-12-2
<input type="checkbox"/> 1,1-Dimethyl hydrazine	57-14-7
<input type="checkbox"/> Dimethyl phthalate	131-11-3
<input type="checkbox"/> Dimethyl sulfate	77-78-1
<input type="checkbox"/> 4,6-Dinitro-o-cresol and salts	534-52-1
<input type="checkbox"/> 2,4-Dinitrophenol	51-28-5
<input type="checkbox"/> 2,4-Dinitrotoluene	121-14-2
<input type="checkbox"/> 1,4-Dioxane (1,4-Diethyleneoxide)	123-91-1
<input type="checkbox"/> 1,2-Diphenylhydrazine	122-66-7
<input type="checkbox"/> Epichlorohydrin (1-Chloro-2,3-epoxypropane)	106-89-8
<input type="checkbox"/> 1,2-Epoxybutane (1,2-Butylene oxide)	106-88-7
<input type="checkbox"/> Ethyl acrylate	140-88-5
<input type="checkbox"/> Ethyl benzene	100-41-4
<input type="checkbox"/> Ethyl carbamate (Urethane)	51-79-6
<input type="checkbox"/> Ethyl chloride (Chloroethane)	75-00-3
<input type="checkbox"/> Ethylene dibromide (1,2-Dibromoethane)	106-93-4
<input type="checkbox"/> Ethylene dichloride (1,2-Dichloroethane)	107-06-2
<input type="checkbox"/> Ethylene glycol	107-21-1
<input type="checkbox"/> Ethylene imine (Aziridine)	151-56-4
<input type="checkbox"/> Ethylene oxide	75-21-8
<input type="checkbox"/> Ethylene thiourea	96-45-7
<input type="checkbox"/> Ethylidene dichloride (1,1-Dichloroethane)	75-34-3
<input type="checkbox"/> Formaldehyde	50-00-0
<input type="checkbox"/> Heptachlor	76-44-8
<input type="checkbox"/> Hexachlorobenzene	118-74-1
<input type="checkbox"/> Hexachloro-butadiene	87-68-3
<input type="checkbox"/> Hexachlorocyclopentadiene	77-47-4
<input type="checkbox"/> Hexachloroethane	67-72-1
<input type="checkbox"/> Hexamethylene-1,6-diisocyanate	822-06-0
<input type="checkbox"/> Hexamethylphosphoramide	680-31-9
<input type="checkbox"/> Hexane	110-54-3



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### L. Hazardous Air Pollutants (cont.)

Hazardous Air Pollutants

Name	CAS #
<input type="checkbox"/> Hydrazine	302-01-2
<input type="checkbox"/> Hydrochloric acid	7647-01-0
<input type="checkbox"/> Hydrogen fluoride	7664-39-3
<input type="checkbox"/> Hydrogen sulfide	7783-06-4
<input type="checkbox"/> Hydroquinone	123-31-9
<input type="checkbox"/> Isophorone	78-59-1
<input type="checkbox"/> Lindane	58-89-9
<input type="checkbox"/> Maleic anhydride	108-31-6
<input type="checkbox"/> Methanol	67-56-1
<input type="checkbox"/> Methoxychlor	72-43-5
<input type="checkbox"/> Methyl bromide (Bromomethane)	74-83-9
<input type="checkbox"/> Methyl chloride (Chloromethane)	74-87-3
<input type="checkbox"/> Methyl chloroform (1,1,1-Trichloroethane)	71-55-6
<input type="checkbox"/> Methyl hydrazine	60-34-4
<input type="checkbox"/> Methyl iodide (Iodomethane)	74-88-4
<input type="checkbox"/> Methyl isobutyl ketone (Hexone)	108-10-1
<input type="checkbox"/> Methyl isocyanate	624-83-9
<input type="checkbox"/> Methyl methacrylate	80-62-6
<input type="checkbox"/> Methyl tert-butyl ether	1634-04-4
<input type="checkbox"/> 4,4-Methylenebis(2-chloroaniline)	101-14-4
<input type="checkbox"/> Methylene chloride (Dichloromethane)	75-09-2
<input type="checkbox"/> Methylene diphenyl diisocyanate(MDI)	101-68-8
<input type="checkbox"/> 4,4-Methylenedianiline	101-77-9
<input type="checkbox"/> Naphthalene	91-20-3
<input type="checkbox"/> Nitrobenzene	98-95-3
<input type="checkbox"/> 4-Nitrobiphenyl	92-93-3
<input type="checkbox"/> 4-Nitrophenol	100-02-7
<input type="checkbox"/> 2-Nitropropane	79-46-9
<input type="checkbox"/> N-Nitrosodimethylamine	62-75-9
<input type="checkbox"/> N-Nitrosomorpholine	59-89-2
<input type="checkbox"/> N-Nitroso-N-methylurea	684-93-5
<input type="checkbox"/> Parathion	56-38-2
<input type="checkbox"/> Pentachloronitrobenzene (Quintozene)	82-68-8
<input type="checkbox"/> Pentachlorophenol	87-86-5
<input type="checkbox"/> Phenol	108-95-2
<input type="checkbox"/> p-Phenylenediamine	106-50-3
<input type="checkbox"/> Phosgene	75-44-5
<input type="checkbox"/> Phosphine	7803-51-2
<input type="checkbox"/> Phosphorous	7723-14-0
<input type="checkbox"/> Phthalic anhydride	85-44-9
<input type="checkbox"/> PCBs	1336-36-3
<input type="checkbox"/> 1,3- Propane sultone	1120-71-4

Hazardous Air Pollutants

Name	CAS #
<input type="checkbox"/> beta-Propiolactone	57-57-8
<input type="checkbox"/> Propionaldehyde	123-38-6
<input type="checkbox"/> Propoxur (Baygon)	114-26-1
<input type="checkbox"/> Propylene dichloride (1,2 Dichloropropane)	78-87-5
<input type="checkbox"/> Propylene oxide	75-56-9
<input type="checkbox"/> 1,2-Propylenimine (2-Methyl aziridine)	75-55-8
<input type="checkbox"/> Quinoline	91-22-5
<input type="checkbox"/> Quinone	106-51-4
<input type="checkbox"/> Styrene	100-42-5
<input type="checkbox"/> Styrene oxide	96-09-3
<input type="checkbox"/> 2,3,7,8-Tetrachlorodibenzo-p-dioxin	1746-01-6
<input type="checkbox"/> 1,1,2,2-Tetrachloroethane	79-34-5
<input type="checkbox"/> Tetrachloroethylene (Perchloroethylene)	127-18-4
<input type="checkbox"/> Titanium tetrachloride	7550-45-0
<input type="checkbox"/> Toluene	108-88-3
<input type="checkbox"/> 2,4-Toluene diamine	95-80-7
<input type="checkbox"/> Toluene-2,4-diisocyanate	584-84-9
<input type="checkbox"/> o-Toluidene	95-53-4
<input type="checkbox"/> Toxaphene	8001-35-2
<input type="checkbox"/> 1,2,4-Trichlorobenzene	120-82-1
<input type="checkbox"/> 1,1,2-Trichloroethane	79-00-5
<input type="checkbox"/> Trichloroethylene	79-01-6
<input type="checkbox"/> 2,4,5-Trichlorophenol	95-95-4
<input type="checkbox"/> Triethylamine	121-44-8
<input type="checkbox"/> Trifluralin	1582-09-8
<input type="checkbox"/> 2,2,4-Trimethylpentane	540-84-1
<input type="checkbox"/> Vinyl acetate	108-05-4
<input type="checkbox"/> Vinyl bromide	593-60-2
<input type="checkbox"/> Vinyl chloride	75-01-4
<input type="checkbox"/> Vinylidene chloride (1,1-Dichloroethylene)	75-35-4
<input type="checkbox"/> Xylene (mixed isomers)	1330-20-7
<input type="checkbox"/> m-Xylene	108-38-3
<input type="checkbox"/> o-Xylene	95-47-6
<input type="checkbox"/> p-Xylene	106-42-3
Arsenic compounds:	
<input type="checkbox"/> Antimony	7440-36-0
<input type="checkbox"/> Arsenic	7440-38-2
<input type="checkbox"/> Arsine	7784-34-1
<input type="checkbox"/> Beryllium	7440-41-7
<input type="checkbox"/> Cadmium	7440-43-9
<input type="checkbox"/> Chromium	7440-47-3
<input type="checkbox"/> Cobalt	7440-48-4



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### L. Hazardous Air Pollutants (cont.)

#### Hazardous Air Pollutants

- | Name   | CAS #     |
|--|-----------|
| <input type="checkbox"/> Coke oven emissions   |           |
| Cyanide compounds (XCN where X=H or any other group where a formal dissociation may occur):  |           |
| <input type="checkbox"/> Hydrogen cyanide  | 74-90-8   |
| <input type="checkbox"/> Glycol ethers (include mono- and di- ethers of ethylene glycol, diethylene glycol, and triethylene glycol R-(OCH <sub>2</sub> CH <sub>2</sub> ) <sub>n</sub> -OR' where n = 1, 2, or 3 R = alkyl or aryl groups R' = R, H, or groups which, when removed, yield glycol ethers with the structure: R-(OCH <sub>2</sub> CH) <sub>n</sub> -OH. Polymers are excluded from the glycol category) |           |
| <input type="checkbox"/> Lead  | 7439-92-1 |
| <input type="checkbox"/> Manganese   | 7439-96-5 |
| <input type="checkbox"/> Mercury   | 7439-97-6 |
| <input type="checkbox"/> Fine mineral fibers (includes glass microfibers, glass wool fibers, rock wool fibers and slag wool fibers, each characterized as "respirable" (fiber diameter < 3.5 micrometers) and possessing an aspect ratio (fiber length divided by fiber diameter) > 3)   |           |
| <input type="checkbox"/> Nickel compounds  | 7440-02-0 |
| <input type="checkbox"/> Polycyclic Organic Matters (POM) (includes organic compounds with more than one benzene ring, and which have a boiling point greater than or equal to 100 C)  |           |
| <input type="checkbox"/> Radionuclides (a type of atom which spontaneously undergoes radioactive decay)  |           |
| <input type="checkbox"/> Selenium  | 7782-49-2 |