



**Maricopa County
Air Quality
Department**

**Mail all Applications to:
MCAQD One Stop Shop**
Permit Application Intake
501 N. 44th Street, 2nd Floor
Phoenix AZ 85008-6538
Phone: (602) 372-1071

Air Quality Department Offices
1001 N. Central Ave, Suite 400
Phoenix, Arizona 85004-1942
Phone: (602) 506-6094
Fax: (602) 506-6985
Web Site: <http://www.maricopa.gov/aq/>

**NOTIFICATION OF MINOR MODIFICATION
AT A CURRENTLY PERMITTED FACILITY**

Per Rule 220, Section 405 and Section 406, this notification must be submitted for a currently permitted facility for a minor permit revision. This notification is not required for changes in work schedules or relocation of equipment for similar use within a permitted facility.

Submit this notification prior to making the modifications. If confidentiality is claimed pursuant to ARS §49-487, a fully completed application with confidential information clearly identified along with a separate copy of the application for public review without the confidential information and a written justification for the confidentiality claimed must be submitted. Complete both sides by typing or printing legibly. A filing fee of \$200.00 must accompany your application. If the application is submitted as a result of receiving a notice of violation (NOV), an additional \$100.00 late fee must accompany the application. Before the permit is issued, the Permittee will be billed for all permit processing time required for a billable permit action at a rate of \$133.50 per hour, adjusted annually under Department Rule 280 (Fees), §304. An annual administrative fee will also be charged per Rule 280, §302.2. For questions regarding billing, call One Stop Shop at (602) 372-1071.

BUSINESS NAME: _____		EXISTING <u>AIR QUALITY</u> <u>PERMIT NUMBER</u> FOR THIS SITE: _____	
ADDRESS OF SITE: _____			
CITY: _____	STATE: AZ	ZIP CODE: _____	TELEPHONE AT SITE: _____
CONTACT PERSON: _____			
MAILING ADDRESS: _____			
CITY: _____	STATE: _____	ZIP CODE: _____	TELEPHONE: _____
FAX: _____		E-MAIL: _____	

BASED ON INFORMATION AND BELIEF FORMED AFTER REASONABLE INQUIRY, THE STATEMENTS AND INFORMATION IN THIS DOCUMENT ARE TRUE, ACCURATE, AND COMPLETE

DATE _____ SIGNATURE OF OWNER OR RESPONSIBLE OFFICIAL OF BUSINESS _____
TYPE OR PRINT NAME AND TITLE _____

DO NOT WRITE IN THIS SPACE.

REVIEWED BY _____ DATE _____

APPROVED

DENIED

REASON FOR DENIAL: _____

1. NARRATIVE DESCRIPTION OF THE PROPOSED MODIFICATION: _____

2. PROVIDE A LIST OF EQUIPMENT AND EMISSION CONTROL DEVICES WHICH WILL BE INSTALLED OR MODIFIED:

ASSIGNED EQUIPMENT NUMBER	DESCRIBE EACH PIECE OF EQUIPMENT INCLUDE MAKE & MODEL	DATE OF INSTALLATION OR MODIFICATION	HOW MANY	HP, KVA GALLONS OR OTHER RATING (Specify Units)	EXHAUST	
					VENT TO AIR	VENT TO CONTROL (Identify)

3. MATERIALS LIST: List all materials handled, stored, processed, used, mixed, treated, or emitted. Include chemicals, mixtures, resins, cleaning compounds, etc., in this list. Identify each material in sufficient detail and provide material safety data sheets (MSDS).

MATERIAL	ANNUAL USAGE OR THROUGHPUT	CHEMICAL COMPOSITION (% by weight)	EQUIPMENT NUMBER IN WHICH USED

4. DESCRIBE CONTROL DEVICES

TYPE OF DEVICE	NAME / ID	GAS FLOW RATE SCFM	LIQUID FLOW RATE GAL/MIN	CONTROL EFFICIENCY (% WEIGHT)

5. MATERIALS RECLAIMED OR SHIPPED AS WASTE:

IF APPLICABLE, COMPLETE THE ATTACHED SECTION Z-M.

SECTION Z-M. AIR POLLUTANT EMISSIONS

PROVIDE A SUMMARY OF THE PROJECTED ACTUAL AIR EMISSIONS ON AN ANNUAL BASIS FOR THE ENTIRE SITE IN THE FOLLOWING SUMMARY TABLES. ATTACH DETAILED CALCULATIONS TO SUPPORT THE FIGURES. **IF SUPPORTING CALCULATIONS ARE NOT INCLUDED WITH THE APPLICATION, THE APPLICATION WILL BE DEEMED INCOMPLETE.**

PROVIDE A SUMMARY OF THE ACTUAL AIR EMISSIONS ON AN ANNUAL BASIS FOR THE FOLLOWING THREE COLUMNS:

- (i) EMISSIONS TO BE RELEASED FROM ONLY THE EQUIPMENT AND AFFECTED PROCESSES DESCRIBED ON THIS NOTIFICATION
- (ii) THE ENTIRE SITE PRIOR TO THE MODIFICATION OF THE EQUIPMENT AND PROCESSES DESCRIBED IN (i) ABOVE.
- (iii) THE ENTIRE SITE INCLUDING THE EMISSIONS IDENTIFIED IN (i) ABOVE. NORMALLY, THIS COLUMN WILL BE THE SUM OF COLUMNS (i) AND (ii).

POLLUTANT	ACTUAL EMISSIONS OR PROJECTED ACTUAL EMISSIONS IN POUNDS PER YEAR		
	COLUMN (I)	COLUMN (ii)	COLUMN (iii)
CARBON MONOXIDE (CO)			
OXIDES OF NITROGEN (NO _x)			
OXIDES OF SULFUR (SO _x)			
PARTICULATES OF 10 MICRONS OR SMALLER (PM ₁₀)			
TOTAL SUSPENDED PARTICULATES (TSP), INCLUDING PM ₁₀			
VOLATILE ORGANIC COMPOUNDS (VOCs) ¹			
FEDERAL HAZARDOUS AIR POLLUTANTS (LIST EACH ONE SEPARATELY)::			

¹ VOCs are defined by EPA at: http://www.epa.gov/ttn/naaqs/ozone/ozonetech/def_voc.htm

Attach detailed calculations to support the figures in the above summary tables. Do not include the emissions from motor vehicles. Include the emissions from stationary sources, portable sources, test areas, experimental facilities, evaporative losses, storage and handling losses, fuel loading and unloading losses, etc. Specifically identify the following in detailed calculations:

- | | |
|--|-------------------------------|
| 1. EMISSIONS FROM EACH POINT SOURCE AND EACH STACK | 4. OVERALL EFFICIENCIES |
| 2. CAPTURE EFFICIENCIES | 5. FUGITIVE EMISSIONS |
| 3. CONTROL EFFICIENCIES | 6. NON-POINT (AREA) EMISSIONS |

For particulate (dust) emissions, describe the types of particulates being emitted and the quantities of emissions for each type. Identify and quantify each and every type of VOC that is included in the above summary tables. Whenever a material is identified by a trade name, also provide its generic name and its chemical abstract service (CAS) number.

Help sheets for calculating emissions from specific industries or processes can be obtained at: http://www.maricopa.gov/aq/divisions/planning_analysis/emissions_inventory/instructions.aspx

For additional help, small businesses may contact the Air Quality Resource Center at (602) 506-5102 or at: http://www.maricopa.gov/aq/divisions/business_resource/

FEDERAL HAZARDOUS AIR POLLUTANTS LIST

(Federal Clean Air Act, Title I, Section 112(b))

<u>CAS No.</u>	<u>Chemical name</u>	<u>CAS No.</u>	<u>Chemical name</u>	<u>CAS No.</u>	<u>Chemical name</u>	<u>Chemical name</u>
75070	Acetaldehyde	121697	N,N-Diethyl aniline (N,N-Dimethylaniline)	101688	Methylene diphenyl diisocyanate (MDI)	Antimony Compounds
60355	Acetamide	64675	Diethyl sulfate	101779	4,4'-Methylenedianiline	Arsenic Compounds (inorganic including arsine)
75058	Acetonitrile	119904	3,3-Dimethoxybenzidine	91203	Naphthalene	Beryllium Compounds
98862	Acetophenone	60117	Dimethyl aminoazobenzene	98953	Nitrobenzene	Cadmium Compounds
53963	2-Acetylaminofluorene	119937	3,3'-Dimethyl benzidine	92933	4-Nitrobiphenyl	Chromium Compounds
107028	Acrolein	79447	Dimethyl carbamoyl chloride	100027	4-Nitrophenol	Cobalt Compounds
79061	Acrylamide	68122	Dimethyl formamide	79469	2-Nitropropane	Coke Oven Emissions
79107	Acrylic acid	57147	1,1-Dimethyl hydrazine	684935	N-Nitroso-N-methylurea	Cyanide Compounds[1]
107131	Acrylonitrile	131113	Dimethyl phthalate	62759	N-Nitrosodimethylamine	Glycol ethers[2]
107051	Allyl chloride	77781	Dimethyl sulfate	59892	N-Nitrosomorpholine	Lead Compounds
92671	4-Aminobiphenyl	534521	4,6-Dinitro-o-cresol, and salts	56382	Parathion	Manganese Compounds
62533	Aniline	51285	2,4-Dinitrophenol	82688	Pentachloronitrobenzene (Quintobenzene)	Mercury Compounds
90040	o-Anisidine	121142	2,4-Dinitrotoluene	87865	Pentachlorophenol	Fine mineral fibers[3]
1332214	Asbestos	123911	1,4-Dioxane (1,4-Diethyleneoxide)	108952	Phenol	Nickel Compounds
71432	Benzene (including benzene from gasoline)	122667	1,2-Diphenylhydrazine	106503	p-Phenylenediamine	Polycyclic Organic Matter[4]
92875	Benzidine	106898	Epichlorohydrin (1-Chloro-2,3-epoxypropane)	75445	Phosgene	Radionuclides (including radon)[5]
98077	Benzotrithloride	106887	1,2-Epoxybutane	7803512	Phosphine	Selenium Compounds
100447	Benzyl chloride	140885	Ethyl acrylate	7723140	Phosphorus	
92524	Biphenyl	100414	Ethyl benzene	85449	Phthalic anhydride	
117817	Bis(2-ethylhexyl)phthalate (DEHP)	51796	Ethyl carbamate (Urethane)	1336363	Polychlorinated biphenyls (Aroclors)	
542881	Bis(chloromethyl)ether	75003	Ethyl chloride (Chloroethane)	1120714	1,3-Propane sultone	
75252	Bromoform	106934	Ethylene dibromide (Dibromoethane)	57578	beta-Propiolactone	
106990	1,3-Butadiene	107062	Ethylene dichloride (1,2-Dichloroethane)	123386	Propionaldehyde	
156627	Calcium cyanamide	107211	Ethylene glycol	114261	Propoxur (Baygon)	
133062	Captan	151564	Ethylene imine (Aziridine)	78875	Propylene dichloride (1,2-Dichloropropane)	
63252	Carbaryl	75218	Ethylene oxide	75569	Propylene oxide	
75150	Carbon disulfide	96457	Ethylene thiourea	75558	1,2-Propylenimine(2-Methyl aziridine)	
56235	Carbon tetrachloride	75343	Ethylidene dichloride (1,1-Dichloroethane)	91225	Quinoline	
463581	Carbonyl sulfide	50000	Formaldehyde	106514	Quinone	
120809	Catechol	76448	Heptachlor	100425	Styrene	
33904	Chloramben	118741	Hexachlorobenzene	96093	Styrene oxide	
57749	Chlordane	87683	Hexachlorobutadiene	1746016	2,3,7,8-Tetrachlorodibenzo-p-dioxin	
7782505	Chlorine	77474	Hexachlorocyclopentadiene	79345	1,1,2,2-Tetrachloroethane	
79118	Chloroacetic acid	67721	Hexachloroethane	127184	Tetrachloroethylene (Perchloroethylene)	
532274	2-Chloroacetophenone	822060	Hexamethylene-1,6-diisocyanate	7550450	Titanium tetrachloride	
108907	Chlorobenzene	680319	Hexamethylphosphoramide	108883	Toluene	
510156	Chlorobenzilate	110543	Hexane	95807	2,4-Toluene diamine	
67663	Chloroform	302012	Hydrazine	584849	2,4-Toluene diisocyanate	
107302	Chloromethyl methyl ether	7647010	Hydrochloric acid	95534	o-Toluidine	
126998	Chloroprene	7664393	Hydrogen fluoride (Hydrofluoric acid)	8001352	Toxaphene (chlorinated camphene)	
1319773	Cresols/Cresylic acid (isomers and mixture)	123319	Hydroquinone	120821	1,2,4-Trichlorobenzene	
95487	o-Cresol	78591	Isophorone	79005	1,1,2-Trichloroethane	
108394	m-Cresol	58899	Lindane (all isomers)	79016	Trichloroethylene	
106445	p-Cresol	108316	Maleic anhydride	95954	2,4,5-Trichlorophenol	
98828	Cumene	67561	Methanol	88062	2,4,6-Trichlorophenol	
94757	2,4-D, salts and esters	72435	Methoxychlor	121448	Triethylamine	
3547044	DDE	74839	Methyl bromide (Bromomethane)	1582098	Trifluralin	
334883	Diazomethane	74873	Methyl chloride (Chloromethane)	540841	2,2,4-Trimethylpentane	
132649	Dibenzofurans	71556	Methyl chloroform (1,1,1-Trichloroethane)	108054	Vinyl acetate	
96128	1,2-Dibromo-3-chloropropane	60344	Methyl hydrazine	593602	Vinyl bromide	
84742	Dibutylphthalate	74884	Methyl iodide (Iodomethane)	75014	Vinyl chloride	
106467	1,4-Dichlorobenzene(p)	108101	Methyl isobutyl ketone (Hexone)	75354	Vinylidene chloride (1,1-Dichloroethylene)	
91941	3,3-Dichlorobenzidine	624839	Methyl isocyanate	1330207	Xylenes (isomers and mixture)	
111444	Dichloroethyl ether (Bis(2-chloroethyl)ether)	80626	Methyl methacrylate	95476	o-Xylenes	
542756	1,3-Dichloropropene	1634044	Methyl tert butyl ether	108383	m-Xylenes	
62737	Dichlorvos	101144	4,4-Methylene bis(2-chloroaniline)	106423	p-Xylenes	
111422	Diethanolamine	75092	Methylene chloride (Dichloromethane)			

For all listings above which contain the word "compounds" and for glycol ethers, unless otherwise specified, these listings are defined as including any unique chemical substance that contains the named chemical 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(OCH₂CH₂)_n-OR' where:

n = 1, 2 or 3

R = alkyl C7 or less, or phenyl or alkyl substituted phenyl

R' = H, or alkyl C7 or less, or carboxylic acid ester, sulfate, phosphate, nitrate, or sulfonate.

[3] Includes mineral fiber emissions from facilities manufacturing or processing glass, rock or slag fibers or other mineral derived fibers of average diameter one (1) micrometer or less.

[4] Includes organic compounds with more than one (1) benzene ring and which have a boiling point greater than or equal to 100°C.

[5] A type of atom which spontaneously undergoes radioactive decay