



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

Air Quality Department Offices  
1001 N. Central Ave., Suite 400  
Phoenix AZ 85004-1944  
Phone: (602) 506-6094  
Fax: (602) 506-6985  
[www.maricopa.gov/daq/](http://www.maricopa.gov/daq/)

## INSTRUCTIONS APPLICATION FOR NON-TITLE V AIR QUALITY PERMIT

Use this form to apply for a Non-Title V air quality permit or permit renewal for an entire facility. Do not use it to amend prior applications, add additional pieces of equipment to an existing permitted facility, or transfer a current air quality permit from one person to another. Also do not use this application form for applying for an Authority to Operate (ATO) under a general permit (described below) or for applying for a Title V Air Quality Permit. Separate application packages are available for these purposes.

Complete the application by typing or printing legibly. The submitted application and documents become the property of the Maricopa County Air Quality Department (hereafter referred to as the Department) and will not be returned. All submitted documents will be available to the public unless a notice of confidentiality has been submitted by the applicant in accordance with Arizona Revised Statutes (ARS) §49-487 and accepted by the Department in accordance with Maricopa County Air Pollution Control Regulations, Rules 100 and 200. 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. For a facility without a valid, Department issued, air quality permit, a \$200.00 application fee must accompany the application. For a permit renewal application, an application fee is not required. The applicant will be billed at a later date for any additional applicable fees. 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.

Complete items 1-20 and attach manufacturers' drawings and specifications when required by the permit application. If necessary, attach additional sheets to the application to provide all required information. Submit the application by completing the attached original forms. **All applicants must complete items 1 through 20 and Sections L and Z or the application will be deemed incomplete.**

The Maricopa County Air Pollution Control Regulations are available at the above address or may be viewed and/or downloaded from our web site at <http://www.maricopa.gov/daq/>. You may also contact the Department by telephone at (602) 506-6094 or (602) 372-1071 for the costs and information to obtain a full set.

For assistance in completing the application package, small businesses may contact the **Air Quality Resource Center** at (602) 506-5102 or at [http://www.maricopa.gov/daq/divisions/business\\_resource/](http://www.maricopa.gov/daq/divisions/business_resource/)

In lieu of a Non-Title V Air Quality Permit, your facility may be eligible for an Authority to Operate (ATO) under a General Permit. Facilities that may be eligible for a General Permit include **dry cleaning facilities, graphic arts printing operations, gasoline dispensing operations, surface coating operations, vehicle and mobile equipment refinishing operations, and external fuel burning equipment that uses gaseous fuels.** To see if your facility qualifies for a General Permit, refer to pages two through four of these instructions. For more information about an ATO under a General Permit, please visit our web site or call (602) 506-6094 or (602) 506-5102.



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**GENERAL PERMIT ELIGIBILITY**

**DRY CLEANING:**

The General Permit for dry cleaning operations does not cover facilities that are coin operated, or include any transfer machines or separate washer and dryer machines. Dry cleaning facilities that meet all of the following criteria are eligible for a General Permit:

- Use perchloroethylene and/or petroleum solvents, so long as the facilities:
  - Include only dry-to-dry machines;
  - Consume less than 2,100 gallons of perchloroethylene per twelve-month period; and
  - Consume less than 6,800 gallons of petroleum solvents per twelve-month period.
- Not operate fuel burning equipment unless:
  - The equipment only burns only natural gas, propane, or butane; and where
  - Each piece is rated less than 10 million Btu per hour; and
  - The combine heat input rating for all fuel burning equipment (excluding internal combustion engines) is less than 36 million Btu per hour.
- Not operate internal combustion engines on the site except for emergency standby generators with a combined manufacturer’s maximum continuous rating of not more than 260 brake horsepower (bhp).

**GRAPHIC ARTS OPERATIONS:**

Graphic arts facilities that meet all of the following criteria are eligible for a General Permit:

- Have a combination of printing presses with greater than 500 square inches (3,226 cm<sup>2</sup>) of impression area or any press employing more than two units per printing press. “Units” means the number of printing surfaces.
- Emit less than 25 tons per calendar year and less than 4,200 pounds per month of volatile organic compounds (VOCs) from the facility, including but not limited to combined graphic arts, solvent use and boiler operations.
- Do not use an emissions control system (ECS) to control solvent emissions.
- Do not conduct any other operations requiring an air quality permit other than printing operations, fuel burning, and having an emergency generator.

**GASOLINE DISPENSING OPERATIONS:**

Gasoline dispensing operations which meet all of the following criteria are eligible for a General Permit:

- Do not conduct any other activities at the site requiring an air quality permit.
- Do not have an obstruction at the bottom of the fill pipe that prevents the measurement of the distance from the end of the fill pipe to the bottom of the tank (overflow protection flappers are acceptable).
- Each gasoline tank must have its own vapor return line to return the vapors to the tanker truck if Stage I vapor recovery is required.
- The monthly and annual throughputs of gasoline are less than those listed in the table below:

Controls	Maximum Monthly Limit	Rolling Twelve-Month Limit
Uncontrolled (Non-resale)	10,000 gallons	120,000 gallons
Stage I Vapor Recovery	160,000 gallons	1,920,000 gallons
Stage I and II Vapor Recovery	740,000 gallons	8,880,000 gallons



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### **SURFACE COATING OPERATIONS:**

The General Permit for surface coating operations encompasses facilities that apply surface coatings to various types of material. In addition, the facility may also have fuel burning equipment, solvent cleaners and abrasive blasting equipment. In order to qualify for the General Permit, all of the following criteria must be met:

- The facility must coat any of the following: cans, metal furniture, large appliances, fabric, film, plastic parts and products, paper, and vinyl, other metal parts and products; **or** the facility must conduct the following coating operations: air-dried, baked, silicone release and strippable booth.
- Coating must be conducted in a manner such that the requirements of County Rule 315 are met.
- The General Permit does not apply to facilities that are not more specifically regulated by a County Rule, other than Rule 336, within Rule 300 to 359 of Regulation III. For example, the General Permit does not cover the following operations:
  - Aerospace coating operations (Rule 348)
  - Architectural coating, including buildings and erected structures (Rule 335)
  - Marine vessel exterior refinishing
  - Polyester coatings applied to polyester composites
  - Printing and graphic arts coatings (Rule 337)
  - Semiconductor manufacturing (Rule 338)
  - Coating a highway vehicle or mobile equipment (Rule 345)
  - Wood: Coating wood furniture (Rule 342); Coating wood millwork (Rule 346)
- The General Permit does not apply to facilities that utilize a VOC control device.
- The General Permit does not apply to facilities that are subject to any New Source Performance Standards (NSPS) or Maximum Achievable Control Technology (MACT).
- The General Permit does not apply to facilities that conduct powder coating operations.
- The General Permit does not apply to facilities that use a burn off oven.
- The combined use of coatings, solvents, and cleaning materials are less than 375 gallons per month and less than 4,500 gallons per twelve-month period.
- If fuel burning equipment is used, each piece of equipment must be rated less than 10 million Btu per hour, and must use natural gas, propane, or butane for fuel. The combined total of all equipment with a rating greater than 300,000 Btu per hour must be less than 60 million Btu per hour.
- If abrasive blasting equipment is used, the blast enclosure must not use forced air exhaust.
- For solvent cleaning operations (other than gun cleaning machines), the general permit does not apply if you utilize a vapor degreaser, conveyorized degreaser or other type of degreaser other than an unheated, non-conveyorized, small, cold cleaning unit with or without a remote reservoir. These cleaning operations must meet the requirements of County Rule 331 "Solvent Cleaning", Section 305.1 and/or Section 305.2.
- The maximum aggregate horsepower rating of all internal combustion engines on the site is less than 260 horsepower, the engines are used only for emergency purposes (i.e. backup generators), the engines are never used for peak shaving purposes, and the engines are fueled by either gasoline or diesel.



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### **VEHICLE AND MOBILE EQUIPMENT REFINISHING OPERATIONS:**

The General Permit for refinishing of vehicles and/or mobile equipment encompasses facilities that paint vehicles and/or mobile equipment. In addition, the facility may also have fuel burning equipment, solvent cleaners, and gasoline tanks used for non-resale dispensing operations. In order to qualify for the General Permit, all of the following limits must be met:

- The use of coatings, solvents, and cleaning materials combined can not exceed 500 gallons per month and 6,000 gallons per any twelve consecutive months;
- For solvent cleaning operations (other than gun cleaning machines), the general permit does not apply if you utilize a vapor degreaser, conveyorized degreaser or other type of degreaser other than an unheated, non-conveyorized, small, cold cleaning unit with or without a remote reservoir. These cleaning operations must meet the requirements of MCAPC Rule 331 "Solvent Cleaning", Section 305.1 and/or Section 305.2.
- If fuel burning equipment is used, each piece of equipment must be rated less than 10 million Btu per hour, and must use natural gas, propane, or butane for fuel. The combined rating of all units must be less than 55 million Btu per hour.
- For a gasoline dispensing operation, the facility dispenses no resold gasoline, receives less than 120,000 gallons of gasoline in any 12 consecutive calendar months, and each gasoline dispensing tank is equipped with a permanent submerged fill pipe.
- The maximum aggregate horsepower rating of all internal combustion engines on the site is less than 200 horsepower, the engines are used only for emergency purposes (i.e. backup generators), the engines are never used for peak shaving purposes, and the engines are fueled by either gasoline or diesel.

### **EXTERNAL FUEL BURNING OPERATIONS:**

External fuel burning operations which meet all of the following criteria are eligible for a General Permit:

- External fuel burning is the only activity at the site requiring an air quality permit;
- The fuel burning equipment only uses natural gas, propane or butane as fuel;
- The maximum heat input rating for any single piece of equipment at the site is less than 10 million Btu per hour;
- The maximum combined heat input ratings for all fuel burning equipment (excluding internal combustion engines) at the facility as a whole is less than 55 million Btu per hour; and
- The maximum aggregate horsepower rating of all internal combustion engines on the site is less than 200 horsepower, the engines are used only for emergency purposes (i.e. backup generators), the engines are never used for peak shaving purposes, and the engines are fueled by either gasoline or diesel.



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FOR OFFICIAL USE ONLY
DATE RECEIVED
LOG NUMBER

## APPLICATION FOR NON-TITLE V AIR QUALITY PERMIT

(As required by A.R.S. §49-480 and Maricopa County Air Pollution Control Regulations, Rule 200)

READ INSTRUCTIONS FIRST. ALL APPLICANTS MUST COMPLETE ITEMS 1 THROUGH 20 AND EACH APPLICABLE SECTION A THROUGH Z.

1. BUSINESS NAME (as filed with the Arizona Corporation Commission): _____	
2. IS THIS A PORTABLE SOURCE ?	<input type="checkbox"/> YES (IF YES, PROVIDE THE <u>CURRENT</u> SITE INFORMATION IN ITEMS 2a, 3, AND 3a) <input type="checkbox"/> NO (COMPLETE ITEMS 2a, 3, AND 3a)
2a. ADDRESS OF SITE: _____	
CITY: _____	STATE: <b>AZ</b> ZIP CODE: _____
3. CONTACT PERSON AT SITE:	3a. TELEPHONE AT SITE: _____
4. TYPE OF OWNERSHIP: <input type="checkbox"/> Corporation <input type="checkbox"/> Partnership <input type="checkbox"/> Sole Owner <input type="checkbox"/> Government <input type="checkbox"/> Other - Specify: _____	
5. NAME AND ADDRESS OF OWNERSHIP OR LEGAL ENTITY: _____	
6. OWNERSHIP CONTACT:	6a. TELEPHONE: _____
	6b. FAX: _____
7. SEND ALL CORRESPONDENCE INCLUDING INVOICE AND PERMIT TO:	COMPANY NAME: _____
	ADDRESS: _____
	CITY: _____      STATE: _____      ZIP CODE: _____
	ATTN: _____
8. SIC (STANDARD INDUSTRIAL CLASSIFICATION) OR NAICS (NORTH AMERICAN INDUSTRY CLASSIFICATION) CODE(S):	9. IS THIS A RENEWAL APPLICATION?    YES <input type="checkbox"/> NO <input type="checkbox"/> IF YES, ENTER THE EXISTING AIR PERMIT NUMBER FOR THIS SITE: _____
10. IF THIS APPLICATION IS SUBMITTED AS A RENEWAL APPLICATION, HAS THE OWNERSHIP OF THIS FACILITY CHANGED SINCE THE PERMIT WAS LAST ISSUED OR TRANSFERRED?    YES <input type="checkbox"/> NO <input type="checkbox"/>	
11. BRIEF DESCRIPTION OF BUSINESS OR PROCESS AT SITE: _____	
12. OPERATING SCHEDULE:	13. PROJECTED START-UP DATE (NEW FACILITIES):
HOURS PER DAY: _____	DATE: _____
DAYS PER WEEK: _____	
WEEKS PER YEAR: _____	

14. THE AUTHORIZED CONTACT PERSON REGARDING THIS APPLICATION IS:

NAME: \_\_\_\_\_ TELEPHONE: \_\_\_\_\_

TITLE: \_\_\_\_\_ FAX: \_\_\_\_\_

COMPANY: \_\_\_\_\_ E-MAIL: \_\_\_\_\_

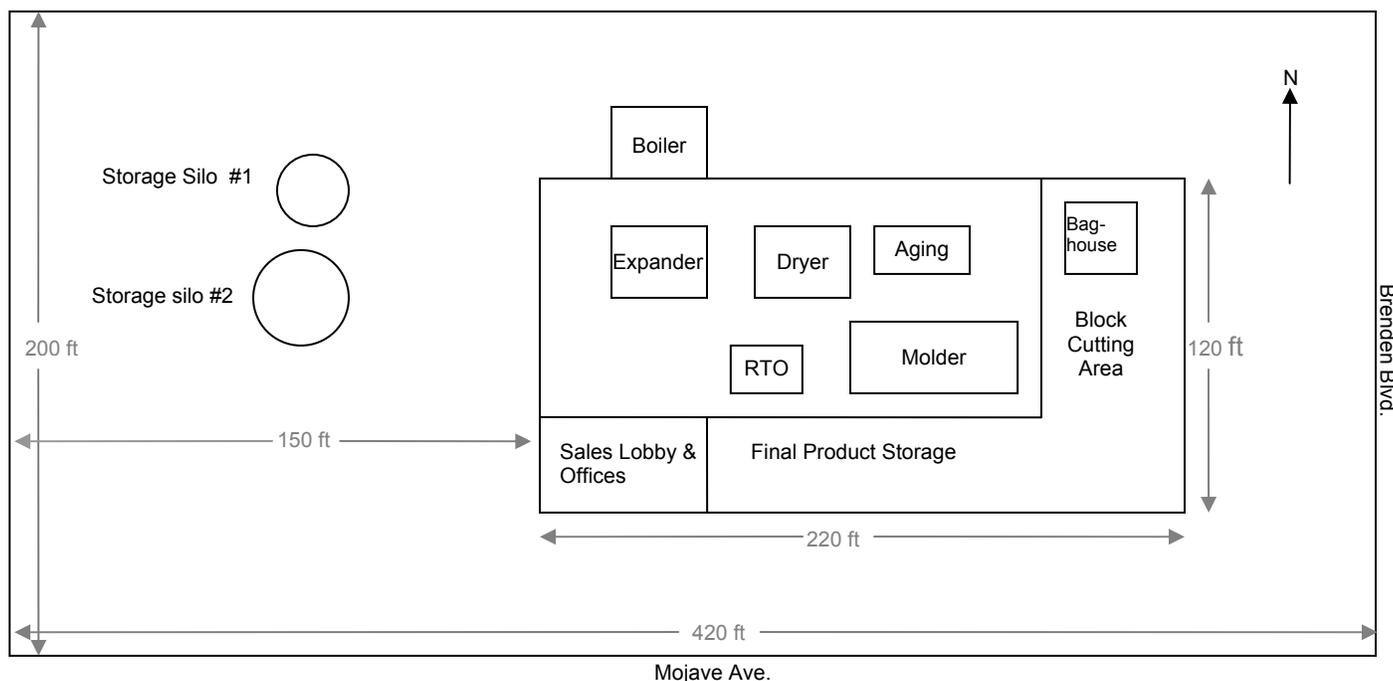
15. I CERTIFY THAT I AM FAMILIAR WITH THE OPERATIONS AND EQUIPMENT REPRESENTED ON THIS APPLICATION AND ATTACHMENTS AND THE INFORMATION PROVIDED HEREIN IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE.

SIGNATURE OF OWNER OR RESPONSIBLE OFFICIAL OF BUSINESS: \_\_\_\_\_ DATE: \_\_\_\_\_

TYPE OR PRINT NAME AND TITLE: \_\_\_\_\_

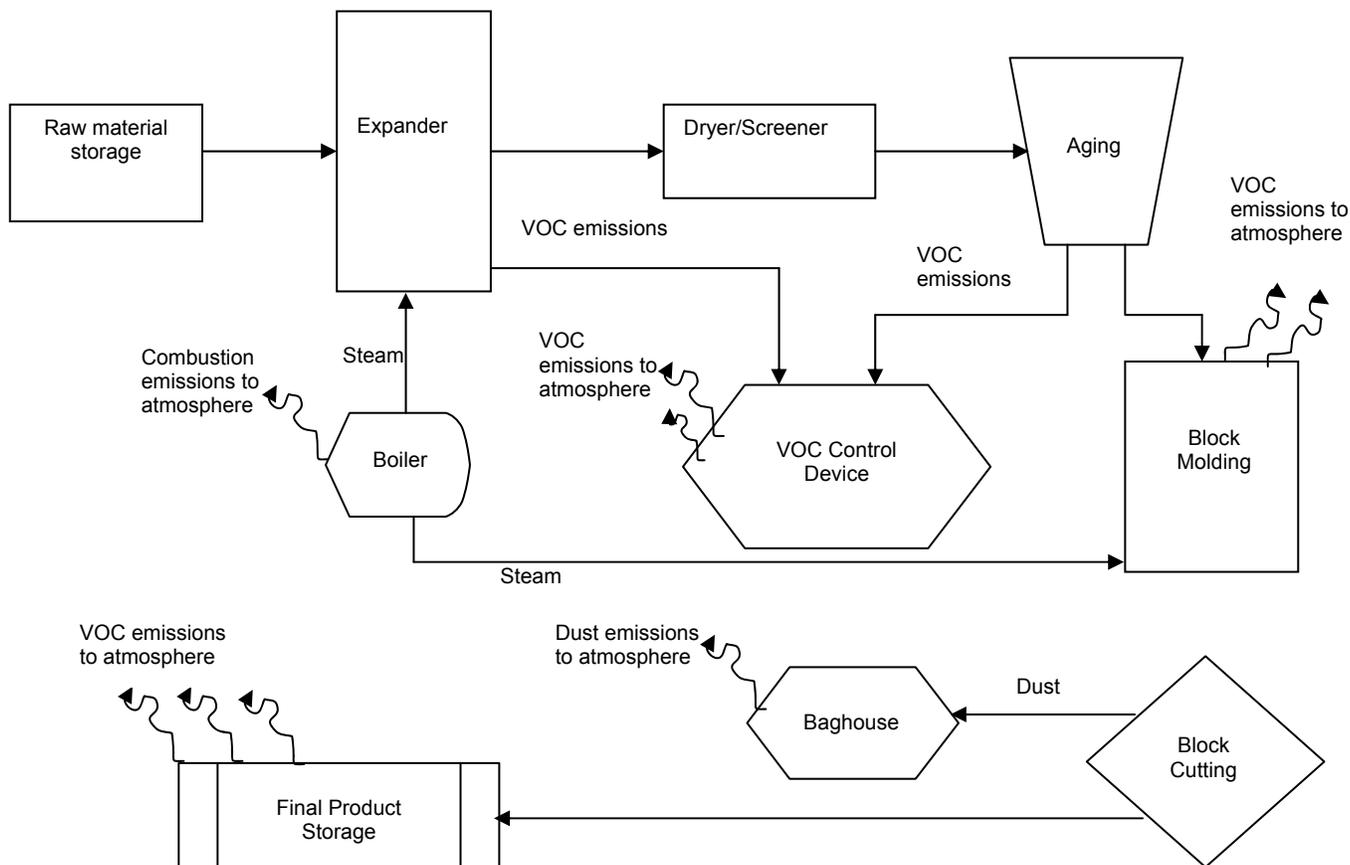
16. **SITE DIAGRAM:** attach a site layout showing distances to property lines, equipment, controls, ducts, stacks and emission points. Also show storage areas for fuels, raw materials, chemicals, finished products, waste materials, etc.

EXAMPLE SITE DIAGRAM



17. **PROCESS FLOW DIAGRAM:** Attach a flow diagram which indicates how processes/activities are conducted at the facility. Begin with raw materials and show each step in the production process. Also indicate emissions control devices and all emission points. An example process flow diagram is provided below.

EXAMPLE PROCESS FLOW DIAGRAM



18. **OPERATION & MAINTENANCE (O&M) PLAN(S):** O&M Plans are required for any process that vents emissions through a control device and includes both add-on control type equipment or processes whose controls are integrated into the design of the process equipment. Indicate if your facility has such control devices (the list below is not an all-inclusive list of control devices).

<u>EQUIPMENT</u>	<u>NO</u>	<u>YES</u>	<u>HOW MANY?</u>
BAGHOUSE	<input type="checkbox"/>	<input type="checkbox"/>	_____
DUST COLLECTOR / FILTER	<input type="checkbox"/>	<input type="checkbox"/>	_____
INCINERATION SYSTEM (E.G., CATALYTIC OR THERMAL OXIDIZER, AFTER BURNER, BOILER, PROCESS HEATER, FLARE) – SPECIFY: _____	<input type="checkbox"/>	<input type="checkbox"/>	_____
SCRUBBER	<input type="checkbox"/>	<input type="checkbox"/>	_____
ADSORPTION UNIT (E.G., RESIN, CARBON FILTER, OTHER) – SPECIFY: _____	<input type="checkbox"/>	<input type="checkbox"/>	_____
ABSORPTION UNIT	<input type="checkbox"/>	<input type="checkbox"/>	_____
OTHER – SPECIFY: _____	<input type="checkbox"/>	<input type="checkbox"/>	_____

If you checked YES to any of these boxes, attach a separate O&M Plan for each control device. The O&M Plan should describe key system operating parameters and appropriate operating ranges for these parameters. For new equipment or processes, provide an educated estimate of the ranges of any parameters to be monitored. These ranges should be supported with manufacturer's test data or other manufacturer's data from engineering calculations and/or experience with the equipment. In addition, O&M Plans should be prepared in accordance with Maricopa County Air Quality Department - Operation and Maintenance (O&M) Plan Guidelines. A copy of these guidelines can be obtained at: [http://www.maricopa.gov/qa/divisions/permit\\_engineering/docs/pdf/OMGuidelines.pdf](http://www.maricopa.gov/qa/divisions/permit_engineering/docs/pdf/OMGuidelines.pdf) or by contacting the Permits Program Coordinator at (602) 506-6094. Multiple control devices can be combined in a single O&M Plan providing they are identical in type, capacity, and use. A separate O&M Plan is required for each device that is unique in type, capacity, or use.

19. **DUST CONTROL PLAN:** The owner and/or operator of a dust-generating operation shall submit to the Control Officer a Dust Control Plan with any permit applications that involve dust-generating operations with a disturbed surface area that equals or exceeds 0.10 acre (4,356 square feet). Facilities subject to Rule 316: Nonmetallic Mineral Processing are also required to submit a Dust Control Plan.

<u>REQUIREMENT</u>	<u>NO</u>	<u>YES</u>	<u>DISTURBED SURFACE AREA ≥ 0.10 ACRE</u>	<u>SUBJECT TO RULE 316</u>
DUST CONTROL PLAN	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

For further guidance completing the dust control plan, review the "Guidance For Dust Control Permit For Application" document located at <http://www.maricopa.gov/qa/divisions/compliance/dust/docs/pdf/emguide.pdf> or contact the Dust Compliance Division at (602) 506-6010.

20. **APPLICABLE SECTIONS:** Review each section of the application and mark below which sections apply to this facility. In the final application, only submit those sections that apply to this facility. Note that Sections L and Z must be completed by all applicants.

<u>SECTION &amp; TITLE</u>	
<input type="checkbox"/>	A FUEL BURNING EQUIPMENT
<input type="checkbox"/>	B INTERNAL COMBUSTION ENGINES & TURBINES
<input type="checkbox"/>	C PETROLEUM STORAGE TANKS
<input type="checkbox"/>	D WATER & SOIL REMEDIATION
<input type="checkbox"/>	E-1 SPRAY PAINTING & OTHER SURFACE COATING (EXCLUDING VEHICLE AND WOOD COATING)
<input type="checkbox"/>	E-2 VEHICLE & MOBILE EQUIPMENT COATING
<input type="checkbox"/>	F WOOD WORKING AND WOOD COATING OPERATIONS
<input type="checkbox"/>	G SOLVENT CLEANING
<input type="checkbox"/>	H PLATING, ETCHING & OTHER METAL FINISHING PROCESSES
<input type="checkbox"/>	I DRY CLEANING EQUIPMENT
<input type="checkbox"/>	J GRAPHIC ARTS
<input type="checkbox"/>	K-1 CONCRETE BATCH PLANTS
<input type="checkbox"/>	K-2 NON-METALLIC MINERAL MINING AND PROCESSING
<input type="checkbox"/>	K-3 ASPHALT PRODUCTION
<input checked="" type="checkbox"/>	L OTHER DUST GENERATING OPERATIONS
<input type="checkbox"/>	M ABRASIVE BLASTING
<input type="checkbox"/>	X-1 POINT SOURCE EMISSIONS OF HAZARDOUS AIR POLLUTANTS
<input type="checkbox"/>	X-2 NON-POINT AREA EMISSION SOURCES FOR HAZARDOUS AIR POLLUTANTS
<input type="checkbox"/>	Y OTHER SOURCES
<input checked="" type="checkbox"/>	Z AIR POLLUTANT EMISSIONS

## SECTION A. EXTERNAL FUEL BURNING EQUIPMENT

**YOUR FACILITY MAY NOT REQUIRE A NON-TITLE V PERMIT IF THE FACILITY IS ELIGIBLE TO OBTAIN AN AUTHORITY TO OPERATE (ATO) UNDER A GENERAL PERMIT (REFER TO PAGE 4 OF THE INSTRUCTION TO DETERMINE ELIGIBILITY).**

Complete this section if you burn natural gas, propane, butane, waste derived fuel, fuel oils, diesel, kerosene, gasoline, coal, charcoal, wood, or any other fossil fuel. Provide complete specifications for non-commercial and special fuels. Describe equipment such as boilers, furnaces, space heaters, water heaters, dryers, pool and spa heaters, kilns, ovens, burners, stoves, steam cleaners, hot water pressure washers, etc, with an input rating of 300,000 Btu/hr or more. Do not include vehicles, forklifts, lawnmowers, weed eaters and hand-held equipment operating on fossil fuels. Use Section Y to describe items such as asphalt kettles, incinerators, crematories, and emission control devices burning fuel. List internal combustion engines and gas turbines in Section B.

FUEL TYPE	EQUIPMENT DESCRIPTION. INCLUDE MAKE & MODEL. DESCRIBE AIR POLLUTION ABATEMENT/CONTROLS, IF ANY	DATE OF INSTALLATION	HOW MANY	NUMBER OF HOURS IN OPERATION DAILY	NUMBER OF HOURS IN OPERATION ANNUALLY	EQUIPMENT RATING (Btu/hr or MM Btu/hr)

## SECTION B. INTERNAL COMBUSTION ENGINES & TURBINES

This section applies to stationary and portable fuel-fired equipment such as generators, fire pumps, air conditioning compressor engines, co-generation units, etc. Indicate in the description if the equipment is used only for emergency purposes. Attach the manufacturer's specification sheets for each engine listing the engine make, model, model year, emission data, and maximum engine power rating. Do not include vehicles, forklifts, lawnmowers and hand-held equipment. Use additional sheets if necessary.

FUEL TYPE	EQUIPMENT DESCRIPTION. INCLUDE MAKE, MODEL, AND MODEL YEAR. DESCRIBE AIR POLLUTION ABATEMENT/CONTROLS, IF ANY	DATE OF INSTALLATION	HOW MANY	NUMBER OF HOURS IN OPERATION DAILY	NUMBER OF HOURS IN OPERATION ANNUALLY	ENGINE POWER RATING (HP)





# SECTION E-2. VEHICLE & MOBILE EQUIPMENT COATING

**YOUR FACILITY MAY NOT REQUIRE A NON-TITLE V PERMIT IF THE FACILITY IS ELIGIBLE TO OBTAIN AN AUTHORITY TO OPERATE (ATO) UNDER A GENERAL PERMIT (REFER TO PAGE 4 OF THE INSTRUCTIONS TO DETERMINE ELIGIBILITY).**

This section applies to auto body shops, collision repair shops and to any person or facility recoating previously paint-finished vehicles or parts of vehicles. This includes cars, large and small trucks, recreational and off-road vehicles of all types including, but not limited to, self-propelled movers of earth and/or materials. The refinishing of any machinery or wheeled trailer that is designed to be able to move or be towed on a highway is also included. Provide material safety data sheets (MSDS) for each material and number them to correspond to the table below. If more room is necessary, attach additional material and/or equipment lists that include all information requested below. Use Section E-1 for non-vehicle spray painting and surface coating operations. In Item 1, list all materials used in painting or coating operations, including but not limited to: paints, primers, enamels, catalysts, sealers, topcoats, thinners, reducers, accelerators, retarders, paint strippers, gun cleaners, cleaning solvents, and surface preparation materials.

**1. LIST ALL MATERIALS APPLIED:**

MSDS NUMBER	NAME & TYPE OF MATERIAL (Attach & number an MSDS for each)	ESTIMATED USAGE (gal/yr)	VOC CONTENT (lb/gal)	METHOD OF APPLICATION* (See list below)	AMOUNT SHIPPED AS WASTE (gal/yr)

**\* APPLICATION METHODS:**

- a. High Volume Low Pressure (HVLP)
- b. Pressure Atomization (Airless)
- c. Combined Air and Airless
- d. Air Atomization
- e. Electrostatic
- f. Other (specify in Item 1, Column 5)

**2. METHOD OF DRYING FOR SPRAYED ITEMS:**  Air Dried  Oven Dried or Baked (include fuel-fired ovens in Section A of the application)

**3. GUN CLEANING EQUIPMENT (specify each piece of equipment or refer to Section G):**

HOW MANY	MANUFACTURER, MODEL #	DATE OF INSTALLATION	SOLVENT NAME/TYPE (Attach MSDS)	ANNUAL SOLVENT USAGE (gal/yr)	QUANTITY OF SOLVENT DISPOSED (gal/yr)

**4. DESCRIBE FACILITIES FOR APPLYING COATINGS. ATTACH MANUFACTURER'S SPECIFICATIONS.**

TYPE (Enclosure or Booth)	SIZE (L X W X H)	DATE OF INSTALLATION	EXHAUST FAN (C.F.M.)	TYPE OF FILTER SYSTEM & EFFICIENCY *

\* PROVIDE WRITTEN DOCUMENTATION OF FILTER EFFICIENCY (i.e., manufacturer's data or source test data)

**5. WILL ALL SPRAYING OPERATIONS BE CONDUCTED INSIDE A BOOTH OR ENCLOSED BUILDING?** \_\_\_\_\_

IF THE ANSWER IS NO, DESCRIBE THE AREA AND EXPLAIN HOW THE OVERSPRAY WILL BE CONTROLLED: \_\_\_\_\_

# SECTION F. WOOD WORKING AND WOOD COATING OPERATIONS

THIS SECTION IS INTENDED FOR ALL PROCESSES, EQUIPMENT, AND RELATED EMISSION CONTROLS ASSOCIATED WITH THE MANUFACTURE AND/OR COATING OF FURNITURE, FIXTURES, OR MILLWORK MADE OF WOOD OR WOOD-DERIVED MATERIAL.

1. WOODWORKING EQUIPMENT: List all woodworking equipment including, but not limited to, saws, routers, planers, sanders, edgers, etc. List particulate (dust) control devices such as cyclones, baghouse, etc. Attach additional sheets if necessary.

DESCRIBE EACH PIECE OF EQUIPMENT INCLUDE MAKE AND MODEL NUMBER	QTY	POWER RATING (HP)	EXHAUSTED TO CONTROL? (YES OR NO)	TYPE OF CONTROL DEVICE	CONTROL EFFICIENCY *	WHERE IS THE CONTROL DEVICE VENTED? (indoors or outdoors)

\* PROVIDE WRITTEN DOCUMENTATION OF CONTROL EFFICIENCY (e.g., manufacturer's data or actual test data)

2. HOW MUCH SAWDUST IS PRODUCED ANNUALLY? \_\_\_\_\_ cubic yards or tons (specify)
3. SURFACE PREPARATION AND COATING: List all VOC-containing materials applied. Provide Material Safety Data Sheets (MSDSs) for each material and number them to correspond to the table below. Attach additional sheets if necessary.

MSDS NUMBER	NAME & TYPE OF MATERIAL (Attach & number an MSDS for each)	VOC CONTENT (lb/lb or gram/liter)	ESTIMATED USAGE (gal/yr)	METHOD OF APPLICATION* (See list below)	AMOUNT SHIPPED AS WASTE (gal/yr)

\* APPLICATION METHODS (for Column 5 of Item 3):

- |                                    |  |
|------------------------------------|--|
| a. High Volume Low Pressure (HVLV) | d. Air Atomization                     |
| b. Pressure Atomization (Airless)  | e. Electrostatic                       |
| c. Combined Air and Airless        | f. Other (specify in Item 3, Column 5) |

4. DESCRIBE CLEAN-UP OF COATING EQUIPMENT AND HOW CLEAN-UP SOLVENT IS DISPOSED (Complete Section G, if applicable):
- 

5. ARE YOU APPLYING FOR CONSIDERATION UNDER:
- |                                     |                                     |
|-------------------------------------|-------------------------------------|
| <u>RULE 342</u>                     | <u>RULE 346</u>                     |
| <input type="checkbox"/> Appendix A | <input type="checkbox"/> Appendix A |
| <input type="checkbox"/> Appendix B | <input type="checkbox"/> Appendix B |
| <input type="checkbox"/> Appendix C |                                     |

# SECTION G. SOLVENT CLEANING

1. Complete the table below for all solvent cleaning devices used. Attach manufacturer's equipment specifications/literature whenever available. Include an MSDS for each solvent with the application, which states the name, manufacturer, VOC content, hazardous component concentrations, density/specific gravity and vapor pressure of the material.

EQUIPMENT TYPE <sup>a</sup> (See List Below)	HOW MANY	MANUFACTURER, MODEL	DATE OF INSTALLATION	SOLVENT SURFACE DIMENSIONS	INTERNAL VOLUME (gallons)	NAME OF SOLVENT TO BE USED	ANNUAL SOLVENT USAGE (gallons)	DISPOSAL QUANTITY (gallons)	DISPOSAL METHOD <sup>b</sup>

2. On a separate attachment, provide any additional equipment information, usage rate and/or operating parameters for solvent cleaning devices utilizing any of the following halogenated solvents: **methylene chloride, perchloroethylene, trichloroethylene, 1,1,1 – trichloroethane, carbon tetrachloride and/or chloroform.**

**NOTES:**

<sup>a</sup> SOLVENT CLEANING EQUIPMENT TYPES:

- A. Cold Cleaner
- B. Non-Vapor Batch Cleaning Machine With Remote Reservoir
- C. Non-Vapor Batch Cleaning Machine With Internal Reservoir
- D. Non-Vapor In-Line Cleaning Machine
- I. Other (specify) : \_\_\_\_\_
- E. Non-Vapor Batch Cleaning Machine Using Solvent That Is Heated, Agitated, Or Is Non-Conforming
- F. Special Non-Vapor Machine Using: Blasting, Misting Or High Pressure Flushing
- G. Batch Loaded Vapor Cleaning Machine
- H. In-Line Vapor Cleaning Machine

<sup>b</sup> DISPOSAL OF SOLVENT BY EVAPORATION IS NOT PERMITTED. IF WASTE SOLVENT IS REDISTILLED ON SITE, PROVIDE INFORMATION ON THE STILL, INCLUDING MANUFACTURER'S LITERATURE:

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# SECTION H. PLATING, ETCHING & OTHER METAL FINISHING PROCESSES

Use a separate sheet for each process line. If additional space is required, attach separate sheets following the same format as below. If any tank is heated by a flame, include the burner information in Section A. Evaporation from open ponds or evaporating tanks is not permitted for materials such as acids, alkalis, VOCs or materials containing VOCs.

1. PROCESS NARRATIVE DESCRIPTION: \_\_\_\_\_

2. On a separate page, provide a simple process (block flow) diagram with emission points and/or emission areas and control equipment identified. Also include a brief narrative description of this process. Be sure to indicate how waste solutions and rinse waters are disposed. If a wastewater evaporator is used, provide detailed information (make, model, capacity, fuel source, burner rating, etc.) on a separate page.

3. PROCESS TANKS (exclude rinse and wastewater tanks):

ASSIGNED EQUIPMENT NUMBER	CAPACITY (gallons)	NAME/TYPE OF CHEMICAL IN TANK	SURFACE AREA (SQ. FT.)	TEMP (°F)	CONCENTRATION (%)	pH	EXHAUST	
							VENT TO AIR	VENT TO CONTROL

4. LIST MATERIALS TO BE USED: The equipment number is to be taken from item 3, column 1. Include a copy of the Material Safety Data Sheet (MSDS) for each material and number the MSDS to correspond to the table below.

MSDS NUMBER	MATERIAL	CONCENTRATION (%) IN BATH	ANNUAL USAGE (gal/yr or lb/yr)	EQUIPMENT NUMBER IN WHICH USED

5. AIR POLLUTION CONTROL EQUIPMENT:

On a separate page, describe the design and operational parameters of the control device (liquid flow rate, gas flow rate, control efficiency for each compound in weight %, pH set point, how the pH is controlled, operating temperature, etc). Indicate if the capture system is push-pull, enclosed, or hood. If it is a push-pull system, state if anything (racks, works in progress, etc.) block push air during operation.

CONTROL EQUIPMENT ID	EQUIPMENT CONTROLLED <sup>1</sup>	CONTROL EQUIPMENT DESCRIPTION AND CAPACITY	MAKE & MODEL	CONTROL EFFICIENCY <sup>2</sup> (%)	FLOWRATE (cfm or fps)	DATE OF INSTALLATION

<sup>1</sup> Specify the equipment number from item 3 for the piece of equipment whose emissions are being controlled by the control device.

<sup>2</sup> Provide written documentation of control efficiency (e.g., manufacturer's data or actual test data). Attach the manufacturer's specifications and drawings for each air pollution control device listed. Be sure that the locations of all flow devices and pressure/temperature gauges are indicated. Attach an operation and maintenance plan for each piece of control equipment listed above.

# SECTION I. DRY CLEANING EQUIPMENT

**YOUR FACILITY MAY NOT REQUIRE A NON-TITLE V PERMIT IF THE FACILITY IS ELIGIBLE TO OBTAIN AN AUTHORITY TO OPERATE (ATO) UNDER A GENERAL PERMIT (REFER TO PAGE 2 OF THE INSTRUCTIONS TO DETERMINE ELIGIBILITY).**

1. SOLVENT USED: \_\_\_\_\_ ESTIMATED USAGE: \_\_\_\_\_ GALLONS/YEAR
2. TYPE OF OPERATION:  DRY-TO-DRY  TRANSFER
3. DATE OF INSTALLATION OF DRY CLEANING EQUIPMENT: \_\_\_\_\_
4. LIST DRY CLEANING-RELATED EQUIPMENT:

DESCRIBE EQUIPMENT, INCLUDING MAKE & MODEL	INSTALLATION DATE	HOW MANY	RATED CAPACITY (lbs)	EXHAUST FLOW RATE (specify CFM or FPS)	
				VENT TO AIR	VENT TO CONTROL

5. ARE ANY DRY CLEANING MACHINES COIN OPERATED?  Yes  No
6. IS THE DRY CLEANING FACILITY LOCATED IN A BUILDING WITH A RESIDENCE(S), EVEN IF THE RESIDENCE IS VACANT AT THE TIME OF THIS APPLICATION?  Yes  No
7. COOLING TOWER:  Yes  No If Yes, Capacity: \_\_\_\_\_ gallons; \_\_\_\_\_ Tons Cooling Capacity
8. EMISSION CONTROLS:  Refrigerated Condensing Coils:  Built In  Separate Condensing Unit  
 Carbon Adsorber  
 Other (Specify) \_\_\_\_\_
9. DATE OF INSTALLATION OF CONTROL EQUIPMENT: \_\_\_\_\_ (Attach Manufacturer's Specifications.)
10. STEAM BOILERS USED SPECIFICALLY FOR STRIPPING ADSORBER AND/OR PRESSING: (Include all others in Section A.)

FUEL	BOILER DESCRIPTION, INCLUDING MAKE & MODEL	DATE OF INSTALLATION	GROSS BTU/HR, HP OR OTHER RATING

# SECTION J. GRAPHIC ARTS

**YOUR FACILITY MAY NOT REQUIRE A NON-TITLE V PERMIT IF THE FACILITY IS ELIGIBLE TO OBTAIN AN AUTHORITY TO OPERATE (ATO) UNDER A GENERAL PERMIT (REFER TO PAGE 2 OF THE INSTRUCTIONS TO DETERMINE ELIGIBILITY).**

THIS SECTION APPLIES TO SCREEN, LETTERPRESS, FLEXOGRAPHIC AND LITHOGRAPHIC PRINTING PROCESSES, INCLUDING RELATED COATING AND LAMINATING PROCESSES.

**1. EQUIPMENT LIST (LIST EACH PRESS INDIVIDUALLY):**

ASSIGNED EQUIPMENT NUMBER	PRESS MANUFACTURER, MODEL	DATE OF INSTALLATION	IMPRESSION AREA (SQUARE IN)	PRESS TYPE *	HOW MANY?	EXHAUST FLOW RATE (SPECIFY CFM OR FPS)	
						VENT TO AIR	VENT TO CONTROL (IDENTIFY)

\* (F) Flexographic, (L) Lithographic – specify Heatset Web, Sheet-Fed, or Cold-Set, (G) Gravure, (LP) Letter Press, (S) Screen, Other (please specify)

**2. MATERIALS LIST:**

List all materials including, but not limited to, inks, fountain solution, blanket wash, varnishes, roller wash, etch solutions, fixers, developers, replenishers, alcohol substitutes, finishers, adhesives, solvents, and cleanup materials. Complete the table below for each material. Provide material safety data sheets (MSDS) for each material and number them to correspond to the table below.

MSDS NUMBER	MATERIAL	ANNUAL USAGE OR THROUGHPUT SPECIFY: (gal/yr or lb/yr)	VOC CONTENT (% BY WEIGHT)	AMOUNT RECLAIMED OR SHIPPED AS WASTE SPECIFY: (gal/yr or lb/yr)

**3. SUBSTRATE TYPE:**

- POROUS             COATED  
 NONPOROUS        UNCOATED

**4. DESCRIBE CONTROL DEVICES:** Provide flow diagrams and/or briefly describe how volatile organic compounds (VOC) emissions are controlled. Include equipment type, manufacturer, model, date of installation, rating, efficiency, ID or serial number, and location. Attach vendor data sheets and general design details. Provide Operation & Maintenance Plans for each control device.

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# SECTION K-1. CONCRETE BATCH PLANTS - CONTINUED

4. MAXIMUM CAPACITY OF CONCRETE BATCH PLANT (tons/hr): \_\_\_\_\_

5. NUMBER OF CONVEYORS: \_\_\_\_\_

6. CONTROL DEVICES: Attach an Operation and Maintenance Plan to this application for each control device.

Equipment Number	Equipment Controlled <sup>1</sup>	Type of Device	Make, Model, & Serial Number	Maximum Design Air Flow Rate (CFM)	Control Efficiency <sup>2</sup> (% Weight)

<sup>1</sup> Specify the equipment number from Item 3 for the piece of equipment whose emissions are being controlled by the control device.

<sup>2</sup> Provide written documentation of control efficiency (e.g., manufacturer's data or actual test data).

7. VEHICLE TRAFFIC ON UNPAVED ROADS: Indicate the number of miles traveled on-site annually on unpaved roads for each speed and vehicle class specified below.

VEHICLE TYPE	VEHICLE MILES TRAVELED ANNUALLY (VMT)			
	10 MPH	15 MPH	20 MPH	OTHER SPEED: _____
Light Duty (e.g., pickup trucks, cars)				
Medium Duty (e.g., front end loaders, fork lifts)				
Heavy Duty (e.g., haul trucks, cranes)				

CONTINUE TO SECTION K-4

# SECTION K-2. NON-METALLIC MINERAL MINING AND PROCESSING

{EXCEPT CONCRETE BATCH PLANTS (SECTION K-1) AND ASPHALT PLANTS (SECTION K-3)}

THIS SECTION IS INTENDED FOR ALL PROCESSES, EQUIPMENT AND RELATED EMISSION CONTROLS FOR SAND AND GRAVEL PLANTS. PROVIDE FLOW DIAGRAMS AND LAYOUTS FOR EACH PROCESS. AN OPERATION AND MAINTENANCE PLAN FOR EACH AIR POLLUTION CONTROL EQUIPMENT IS REQUIRED. DESCRIBE HOW THE ANNUAL QUANTITY FIGURES WERE DEVELOPED.

1. MATERIALS: List all materials handled, stored, processed, used, mixed, treated, or emitted.

MATERIAL	MAXIMUM PROJECTED ANNUAL USAGE OR THROUGHPUT(tons/yr)	ACTUAL ANNUAL USAGE OR THROUGHPUT FROM PREVIOUS 12-MONTHS (tons/yr)
Sand		
Aggregate		
Other		

2. PROCESS NARRATIVE DESCRIPTION: \_\_\_\_\_

3. MAXIMUM DESIGN CAPACITY OF MINERAL MINING AND PROCESSING PLANT (tons/hr): \_\_\_\_\_

4. PROCESS EQUIPMENT: Describe each piece of equipment used for mining and processing operations including, but not limited to crushers, screens, weigh hoppers, conveyors, stackers, mixers, etc. Assign equipment numbers in the table below and label the attached flow diagram accordingly. Attach additional pages if necessary

Equipment Number	Make Model & Serial Number	How Many?	Date of Manufacture	Maximum Design Throughput Capacity (tons/hr)	Exhaust To	
					Air	Control

5. CONTROL DEVICES: (Attach an Operation and Maintenance Plan for each control device)

Equipment Number	Equipment Controlled <sup>1</sup>	Type of Device	Make, Model, & Serial Number	Maximum Design Air Flow Rate (CFM)	Control Efficiency <sup>2</sup> (% Weight)

<sup>1</sup> Specify the equipment number from Item 4, Column 1 for the piece of equipment whose emissions are being controlled by the control device.

<sup>2</sup> Provide written documentation of control efficiency (e.g., manufacturer's data or actual test data).

6. VEHICLE TRAVEL ON UNPAVED ROADS: Indicate the number of miles traveled on-site annually on unpaved roads for each class of vehicle specified below.

VEHICLE TYPE	VEHICLE MILES TRAVELED ANNUALLY (VMT)			
	10 MPH	15 MPH	20 MPH	OTHER SPEED: _____
Light Duty (e.g., pickup trucks, cars)				
Medium Duty (e.g., front end loaders, fork lifts)				
Heavy Duty (e.g., haul trucks, cranes)				

CONTINUE TO SECTION K-4

# SECTION K-3. ASPHALT PRODUCTION

THIS SECTION IS INTENDED FOR ALL PROCESSES, EQUIPMENT AND RELATED EMISSION CONTROLS FOR ASPHALT PLANTS. PROVIDE FLOW DIAGRAMS AND LAYOUTS FOR EACH PROCESS. AN OPERATION AND MAINTENANCE PLAN FOR EACH AIR POLLUTION CONTROL DEVICE IS REQUIRED. DESCRIBE HOW THE ANNUAL QUANTITY FIGURES WERE DEVELOPED. IF YOU OWN/OPERATE AGGREGATE CRUSHING EQUIPMENT WHICH OPERATES ON-SITE WITH THIS BATCH PLANT YOU MUST ALSO FILL OUT SECTION Y. COMPLETE SECTION A OF THIS APPLICATION FOR FUEL-BURNING DRYERS AND HEATERS

1. MAXIMUM DESIGN PRODUCTION CAPACITY: \_\_\_\_\_ TONS PER HOUR      \_\_\_\_\_ TONS PER YEAR
2. ACTUAL PRODUCTION RATE: \_\_\_\_\_ TONS PER HOUR
3. DAILY HOURS OF OPERATION: \_\_\_\_\_ HOURS PER DAY
4. TYPE OF PLANT:       BATCH MIX       CONTINUOUS MIX
5. DRYER FUEL TYPE & HEAT RATING:       NATURAL GAS       FUEL OIL (Specify grade): \_\_\_\_\_       DIESEL  
 OTHER FUEL (Specify): \_\_\_\_\_ HEAT RATING (BTU/HR): \_\_\_\_\_
6. ASPHALT HEATER:       ELECTRIC  
(if applicable)       FUEL FIRED: FUEL TYPE: \_\_\_\_\_ HEAT RATING (BTU/HR): \_\_\_\_\_
7. AGGREGATE MATERIAL USED:       VIRGIN AGGREGATE       RECLAIMED ASPHALT PAVEMENT (RAP)  
(Check all that apply)       RUBBER OR RUBBER-LIKE MATERIAL

8. DESCRIBE CONTROL DEVICES:

TYPE OF DEVICE <sup>1</sup>	MAKE, MODEL, & SERIAL NUMBER	MAXIMUM DESIGN AIR FLOW RATE (CFM)	CONTROL EFFICIENCY <sup>2</sup> (% WEIGHT)

<sup>1</sup> Attach an operation and maintenance plan for each piece of control equipment listed above.

<sup>2</sup> Provide written documentation of control efficiency (e.g., manufacturer's data or actual test data).

9. VEHICLE TRAFFIC ON UNPAVED ROADS:

Indicate the number of miles traveled on-site annually on unpaved roads for each speed and vehicle class specified below.

VEHICLE TYPE	VEHICLE MILES TRAVELED ANNUALLY (VMT)			
	10 MPH	15 MPH	20 MPH	OTHER SPEED: _____
Light Duty (e.g., pickup trucks, cars)				
Medium Duty (e.g., front end loaders, fork lifts)				
Heavy Duty (e.g., haul trucks, cranes)				

CONTINUE TO SECTION K-4

# SECTION K-4: NON-METALLIC MINERAL PROCESSING - CONTINUED

APPLICANTS COMPLETING SECTIONS K-1, K-2, OR K-3 MUST ALSO COMPLETE THIS SECTION.

1. MAXIMUM NUMBER OF AGGREGATE, MIXER, AND/OR BATCH TRUCKS EXITING THE FACILITY ON ANY DAY: \_\_\_\_\_
2. NUMBER OF ACRES OF SAND AND AGGREGATE STORAGE PILES: \_\_\_\_\_
3. NUMBER OF ACRES OF DISTURBED SURFACE AREA AT THE SITE: <sup>1</sup> \_\_\_\_\_
4. IS THE FACILITY A STATIONARY SOURCE THAT IS LOCATED CONTIGUOUS OR ADJACENT TO ANOTHER FACILITY WITH AN MCAQD OR ADEQ AIR PERMIT?
  - YES     NO
  - a. IF THE ANSWER TO 4 IS "YES", ARE THE FACILITIES UNDER COMMON CONTROL? <sup>2</sup>
    - YES     NO
  - b. IF THE ANSWER TO 4 IS "YES", ARE THE FACILITIES PART OF THE SAME INDUSTRIAL GROUPING (HAVE THE SAME TWO DIGIT SIC CODE) OR IS THERE A SUPPORT RELATIONSHIP BETWEEN THE TWO FACILITIES? <sup>3</sup>
    - YES     NO
  - c. IF THE ANSWER TO 4, 4.A AND 4.B ARE "YES", LIST THE CO-LOCATED BUSINESS(ES)
    - BUSINESS NAME: \_\_\_\_\_ ADDRESS: \_\_\_\_\_
    - BUSINESS NAME: \_\_\_\_\_ ADDRESS: \_\_\_\_\_

**NOTES:**

<sup>1</sup> DISTURBED SURFACE AREA is defined as a portion of the earth's surface (or material placed thereupon) which has been physically moved, uncovered, destabilized, or otherwise modified from its undisturbed native condition, thereby increasing the potential for the emission of fugitive dust.

<sup>2</sup> COMMON CONTROL is determined on a case-by-case basis, and can be established by common ownership, decision-making authority, or a contract-for-service relationship or support/dependency relationship.

<sup>3</sup> SUPPORT FACILITIES are considered to be part of the same industrial grouping as that of the primary facility it supports even if the support facility has a different two digit SIC code. Support facilities are typically those which convey, store, or otherwise assist in the production of the principal product.

5. VEHICLE TRAFFIC ON UNPAVED ROADS:  
Indicate the number of miles traveled on-site annually on unpaved roads for each speed and vehicle class specified below.

VEHICLE TYPE	VEHICLE MILES TRAVELED ANNUALLY (VMT)			
	10 MPH	15 MPH	20 MPH	OTHER SPEED: _____
Light Duty (e.g., pickup trucks, cars)				
Medium Duty (e.g., front end loaders, fork lifts)				
Heavy Duty (e.g., haul trucks, cranes)				

6. PORTABLE SOURCE: LOCATION OF OPERATION  
If the facility is a portable source, please list the address(es) of operation for the previous 5 year period.

Dates		Address or Driving Directions
From	To	

## SECTION L. OTHER DUST GENERATING OPERATIONS

THIS SECTION IS INTENDED FOR ALL DUST GENERATING OPERATIONS NOT COVERED ELSEWHERE IN THE PERMIT APPLICATION.

1. ARE ROUTINE DUST-GENERATING OPERATIONS PERFORMED AT THIS FACILITY THAT DISTURB A SURFACE AREA OF 0.10 ACRE OR GREATER?  Yes  No
2. HOW MANY ACRES OF DISTURBED LAND ARE LOCATED AT THIS FACILITY? \_\_\_\_\_
3. ARE ANY UNPAVED PARKING LOTS LOCATED AT THIS FACILITY?  Yes  No
4. ARE ANY UNPAVED HAUL/ACCESS ROADS PRESENT AT THIS FACILITY?  Yes  No
5. IF THE ANSWER TO ITEM 4 IS "YES", HOW MANY VEHICLE TRIPS ARE MADE DAILY ON EACH UNPAVED ROAD? \_\_\_\_\_
6. ARE BULK MATERIALS HANDLED, STORED, OR TRANSPORTED AT THIS FACILITY? BULK MATERIALS INCLUDE BUT ARE NOT LIMITED TO, NON-METALLIC MINERALS, SOIL, DEMOLITION DEBRIS, COTTON, TRASH, SAW DUST, FEED, GRAIN, FERTILIZERS, FLUFF FROM SHREDDERS, DRY CONCRETE OR ANY OTHER MATERIAL THAT IS CAPABLE OF PRODUCING FUGITIVE DUST.  Yes  No
7. IF THE ANSWER TO ITEM 6 IS "YES", LIST THE TYPE AND AMOUNT (TONS PER YEAR) OF BULK MATERIAL(S) HANDLED, STORED AND/OR TRANSPORTED:
  - a. \_\_\_\_\_
  - b. \_\_\_\_\_
  - c. \_\_\_\_\_
  - d. \_\_\_\_\_
8. ARE ANY BLASTING OPERATIONS PERFORMED AT THIS FACILITY?  Yes  No
9. ARE ANY OPEN STORAGE PILES LOCATED AT THIS FACILITY?  Yes  No
10. IF THE ANSWER TO ITEM 5 IS "YES", HOW MANY ACRES DO THE STORAGE PILES COVER? \_\_\_\_\_
11. DO YOU HAVE ANY UNPAVED STAGING OR MATERIAL STORAGE AREAS?  Yes  No
12. DO YOU HAVE AN EASEMENTS, RIGHTS-OF-WAY, OR ACCESS ROADS FOR UTILITIES (TRANSMISSION OF ELECTRICITY, NATURAL GAS, OIL, WATER, AND GAS)?  Yes  No
13. BRIEFLY DESCRIBE HOW TRACKOUT IS CONTROLLED AT EXITS FROM UNPAVED ROADS AT THIS FACILITY THAT LEAD TO PAVED AREAS ACCESSIBLE TO THE PUBLIC:  
\_\_\_\_\_  
\_\_\_\_\_
14. SUBMIT A DUST CONTROL PLAN WITH THIS APPLICATION IF THIS FACILITY IS INVOLVED IN DUST-GENERATING OPERATIONS THAT EQUAL OR EXCEED 0.10 ACRE (4,356 SQUARE FEET) INCLUDING THE FOLLOWING:
  - a. Name(s), address(es), and phone numbers of person(s) responsible for the submittal and implementation of the dust control plan and responsible for the dust-generating operation.
  - b. A drawing, on 8½" x 11" paper, that shows entire project site/facility boundaries, acres to be disturbed with linear dimensions, nearest public roads, north arrow, and planned exit locations onto paved areas accessible to the public.
  - c. Appropriate control measures, or a combination thereof, for every actual and potential dust-generating operation.
  - d. One contingency control measure must be identified for all dust-generating operations.
  - e. The maximum number of vehicle trips on unpaved haul/access roads each day (including number of employee vehicles, earthmoving equipment, haul trucks, and water trucks).
  - f. Dust suppressants to be applied, method, frequency, and intensity of application; type, number, and capacity of application equipment; and information environmental impacts and approvals or certifications related to appropriate and safe use for ground application.
  - g. Specific surface treatment(s) and/or control measures utilized to control material trackout and sedimentation where unpaved roads and/or access points join paved areas accessible to the public.

FOR FURTHER GUIDANCE COMPLETING THE DUST CONTROL PLAN, REVIEW THE "GUIDANCE FOR DUST CONTROL PERMIT FOR APPLICATION" DOCUMENT LOCATED AT <http://www.maricopa.gov/aq/divisions/compliance/dust/docs/pdf/EMGuide.pdf> OR CONTACT THE DUST COMPLIANCE DIVISION AT (602) 506-6010.

# SECTION M. ABRASIVE BLASTING

THIS SECTION IS INTENDED FOR ALL PROCESSES, EQUIPMENT, AND RELATED EMISSION CONTROLS ASSOCIATED WITH ABRASIVE BLASTING OPERATIONS.

TYPE OF BLASTING EQUIPMENT:  STATIONARY  PORTABLE

1. ABRASIVE BLASTING EQUIPMENT LIST: List all abrasive blasting equipment. Attach additional sheets if necessary.

SPECIFY EQUIPMENT TYPE (BLAST BOOTH, ROOM, ENCLOSURE, CABINET, AUTOMATIC MACHINE) – INCLUDE MAKE AND MODEL NUMBER	ABRASIVE BLASTING METHOD USED *	HOW MANY?	INTERNAL VOLUME (ft <sup>3</sup> )	MAXIMUM AIR FLOW RATE (cfm)	EXHAUST	
					VENT TO AIR	VENT TO CONTROL

\* Examples of abrasive blasting methods may include: wet abrasive blasting, hydroblasting, vacuum blasting, dry blasting, unconfined blasting, other

2. IS ABRASIVE BLASTING PERFORMED DAILY OR IS IT A PART OF THE FACILITY'S PRIMARY WORK ACTIVITY?  Yes  No

3. HOW IS THE ABRASIVE BLAST UNIT POWERED (ELECTRIC, GENERATOR)? \_\_\_\_\_  
 (If powered by an internal combustion engine, complete Section B of this application)

4. Blast Media: Indicate the type and quantity of each blast media used and attach a material safety data sheet (MSDS).

TYPE OF BLAST MEDIA	MAXIMUM DAILY USAGE (lbs/day)	MAXIMUM ANNUAL USAGE (tons/yr)	IS BLAST MEDIA CARB CERTIFIED?*		
			YES	NO	NOT SURE

\* Certified by California Air Resources Board (CARB) pursuant to Section 92530 of Subchapter 6, Title 17, California Code of Regulations. A list of certified abrasives can be found at: <http://www.arb.ca.gov/ba/certabr/eo/eo.htm>

5. DESCRIBE SUBSTRATE BEING BLASTED (I.E., METAL, STONE, CONCRETE, ETC.): \_\_\_\_\_

6. DESCRIBE SUBSTRATE BEING REMOVED (I.E., NON-LEADED PAINT, LEADED PAINT, RUST, ETC.): \_\_\_\_\_

7. IF LEADED PAINT WAS INDICATED IN ITEM 5, INDICATE THE PERCENT CONCENTRATION OF LEAD IN THE PAINT: \_\_\_\_\_ %

8. DESCRIBE CONTROL DEVICES:

TYPE OF CONTROL DEVICE <sup>1</sup>	MAKE, MODEL, & SERIAL NUMBER	MAXIMUM DESIGN AIR FLOW RATE (CFM)	CONTROL EFFICIENCY (% BY WEIGHT) <sup>2</sup>

<sup>1</sup> ATTACH AN OPERATION AND MAINTENANCE PLAN FOR EACH PIECE OF CONTROL EQUIPMENT LISTED ABOVE.

<sup>2</sup> PROVIDE WRITTEN DOCUMENTATION OF CONTROL EFFICIENCY (e.g., manufacturer's data or actual test data)





# SECTION Y. OTHER SOURCES

This section is intended for all emissions related activities, equipment and applicable emission controls which are not covered in previous sections. In response to item 2, provide a detailed step-by-step narrative, including how raw materials are handled, stored, processed, mixed, treated, and converted to finished products. Provide flow rates, temperatures, pressures, and other appropriate details concerning each process. Whenever available, provide manufacturer's data sheets and literature. Provide flow diagrams and layouts for each process. Describe in detail how waste materials are generated, handled, stored, processed, mixed, treated and disposed of. An Operation and Maintenance Plan for each air pollution control equipment is required. List each material that is partially recovered, salvaged or otherwise reclaimed. Provide estimates of the quantities of such material recoveries on an annual basis. Describe how the annual quantity figures were developed. USE A SEPARATE SHEET FOR EACH PROCESS OR ACTIVITY.

1. NAME OF PROCESS, EQUIPMENT GROUPING OR ACTIVITY: \_\_\_\_\_

2. NARRATIVE DESCRIPTION: \_\_\_\_\_

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

3. EQUIPMENT LIST: Include machinery, storage silos, tanks, emission control devices, etc., in this list.

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

4. MATERIALS LIST:

List all materials handled, stored, processed, used, mixed, treated, or emitted from the facility, including but not limit to chemicals, mixtures, resins, cleaning compounds, etc. Identify each material in sufficient detail and provide material safety data sheets (MSDS) for each material.

MATERIAL	ANNUAL USAGE OR THROUGHPUT (gal/yr or lb/yr)	CHEMICAL COMPOSITION (% by weight)	MATERIAL RECLAIMED OR SHIPPED AS WASTE (gal/yr or lb/yr)	EQUIPMENT NUMBER IN WHICH USED

5. DESCRIBE CONTROL DEVICES:

TYPE OF DEVICE	NAME / ID / CAPACITY	EQUIPMENT CONTROLLED <sup>1</sup>	DATE OF INSTALLATION	CONTROL EFFICIENCY <sup>2</sup> (% WEIGHT)

<sup>1</sup> Specify the equipment number from item 3 for the piece of equipment whose emissions are being controlled by the control device.

<sup>2</sup> PROVIDE WRITTEN DOCUMENTATION OF CONTROL EFFICIENCY (i.e., manufacturer's data or source test data). Attach the manufacturer's specifications and drawings for each air pollution control device listed. Be sure that the locations of all flow devices and pressure/temperature gauges are indicated. Attach an operation and maintenance plan for each piece of control equipment listed above.



## 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-Nitrophenyl	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)	59545	Phosgene	Radionuclides (including radon)[5]
98077	Benzotrichloride	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)	[1] X'CN where X = H' or any other group where a formal dissociation may occur. For example KCN or Ca(CN) <sub>2</sub> .
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-Dichlorobenzidene	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)<sub>2</sub>.

[2] Includes 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 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