

GENERAL AIR QUALITY CONTROL PERMIT for SOIL VAPOR EXTRACTION UNITS (SVEU)

(As required by Title 49, Chapter 3, Article 2, Section 49-426, Arizona Revised Statutes)

This air quality control permit does not relieve applicant of responsibility for meeting all air pollution regulations



THIS GENERAL PERMIT ISSUED SUBJECT TO THE FOLLOWING _____

Conditions contained in Attachments "A", "B", and "C"

ADEQ GENERAL PERMIT NUMBER 102 PERMIT CLASS II

PERMIT ISSUED THIS 24th DAY OF June, 2016

PERMIT EXPIRATION DATE 24th DAY OF June, 2021

SIGNATURE

Timothy S. Franquist, Director, Air Quality Division

TITLE

**GENERAL AIR QUALITY CONTROL PERMIT
FOR
SOIL VAPOR EXTRACTION UNITS**

ATTACHMENT "A": GENERAL PROVISIONS

I. GENERAL PERMIT EXPIRATION AND RENEWAL

[A.R.S. § 49-426.F, A.A.C.R18-2-306.A.1, -505]

- A.** This General Permit is valid for a period of five years from the date of issuance. The Director of ADEQ (Director) shall review and may renew this General Permit every five years from its date of issuance. All Permittee's Authorizations to Operate (ATO) shall coincide with the term of this General Permit, regardless of when the individual authorization began during this five year period, except that the Director may require a Permittee authorized to operate under this General Permit to apply for and obtain an individual permit at any time, if the source is not in compliance with the terms and conditions of this General Permit.
- B.** At the time that the public notice is required, pursuant to issuance of the proposed General Permit renewal, the Director shall notify in writing to all the Permittees who have been granted, or who have applications pending for, ATOs under this General Permit. The written notice shall describe the source's duty to reapply and may include requests for information required under the proposed General Permit.

II. COMPLIANCE WITH PERMIT CONDITIONS

- A.** The Permittee shall comply with all Conditions of this General Permit including all applicable requirements of Arizona air quality statutes and the air quality rules. Any permit noncompliance is grounds for enforcement action, for ATO termination or revocation, or for denial of a renewal application. In addition, non-compliance with any federally enforceable requirements constitutes a violation of the Clean Air Act.

[A.A.C. R18-2-306.A.8.a]

- B.** It shall not be a defense for a Permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this General Permit.

[A.A.C. R18-2-306.A.8.b]

III. GENERAL PERMIT REOPENINGS, REVOCATION AND REISSUANCE, OR TERMINATION FOR CAUSE

- A.** The Director may reopen and reissue, or terminate this General Permit at any time if:
- 1.** The Director has determined that the emissions from the sources in the facility class cause or contribute to ambient air quality standards violations which are not adequately addressed by the requirements in this General Permit, or

[A.A.C. R18-2-510.A.1]

- 2.** The Director has determined that the terms and conditions of this General Permit no longer meet the requirements of A.R.S. §49-426 and 427.

[A.A.C. R18-510.A.2]

V. FEE PAYMENT

[A.A.C. R18-2-511]

The Permittee shall pay fees to the Director pursuant to A.R.S. §49-426(E) and A.A.C. R18-2-511.

VI. ANNUAL EMISSIONS INVENTORY QUESTIONNAIRE

A. The Permittee shall complete and submit to the Director an annual emissions inventory questionnaire. The questionnaire is due by March 31st or ninety days after the Director makes the inventory form available each year, whichever occurs later, and shall include emissions information for the previous calendar year.

[A.A.C. R18-2-327.A]

B. The questionnaire shall be on a form provided by the Director and shall include the information required by A.A.C. R18-2-327.B.

[A.A.C. R18-2-327.B]

VII. COMPLIANCE CERTIFICATION

A. The Permittee shall submit to the Director a compliance certification once each year, which describes the compliance status of the source with respect to each General Permit condition and the methods used for determining the compliance status. The Permittee shall list on the compliance certification all items of equipment issued ATO(s), on site at the time of annual certification. This certification shall be submitted by September 30th and shall cover the period from September 1st of the previous year to August 31st of the current year. In addition, this certification shall include a description of any permit deviation.

1. Until the Director makes the myDEQ online portal available to apply for and obtain permits, this certification shall be submitted by October 15th and shall cover the period from September 1st of the previous year to August 31st of the current year.

2. After the Director makes the myDEQ online portal available to apply for and obtain permits, this certification shall be completed and submitted using the myDEQ online portal, and shall be completed upon request of the Director through the portal.

[A.A.C. R18-2-309.2.a and d]

B. The compliance certification shall include the following:

1. Identification of each term or condition of the permit that is the basis of the certification;

[A.A.C. R18-2-309.2.c.i]

2. Identification of the method or other means used by the Permittee for determining the compliance status with each term and condition during the certification period.

[A.A.C. R18-2-309.2.c.ii]

3. The status of compliance with the terms and conditions of the permit for the period covered by the certification, including whether compliance during the period was continuous or intermittent. The certification shall be based on the methods or means designated in Condition VII.B.2. The certifications shall identify each deviation and take it into account for consideration in the compliance certification;

[A.A.C. R18-2-309.2.c.iii]

of the date on which the standard is promulgated, reapply for coverage under the General Permit demonstrating how the sources will comply with the standard.

XI. EXCESS EMISSIONS, PERMIT DEVIATIONS, AND EMERGENCY REPORTING

A. Excess Emissions Reporting

1. Excess Emissions shall be reported as follows:

- a. The Permittee shall report to the Director any emissions in excess of the limits established by this permit. Such report shall be in two parts as specified below:

[A.A.C. R18-2-310.01.A]

- (1) Notification by telephone or facsimile within 24 hours of the time when the Permittee first learned of the occurrence of excess emissions including all available information from Condition XI.A.1.b;
- (2) Detailed written notification by submission of an excess emissions report within 72 hours of the notification pursuant to Condition XI.A.1.a. (1).

- b. The report shall contain the following information:

[A.A.C. R18-2-310.01.B]

- (1) Identity of each stack or other emission point where the excess emissions occurred;
- (2) Magnitude of the excess emissions expressed in the units of the applicable emission limitation and the operating data and calculations used in determining the magnitude of the excess emissions;
- (3) Date, time and duration, or expected duration, of the excess emissions;
- (4) Identity of the equipment from which the excess emissions emanated;
- (5) Nature and cause of such emissions;
- (6) If the excess emissions were the result of a malfunction, steps taken to remedy the malfunction and the steps taken or planned to prevent the recurrence of such malfunctions; and
- (7) Steps taken to limit the excess emissions. If the excess emissions resulted from start-up or malfunction, the report shall contain a list of the steps taken to comply with the permit procedures.

2. In the case of continuous or recurring excess emissions, the notification requirements of this section shall be satisfied if the source provides the required

4. In any enforcement proceeding, the Permittee seeking to establish the occurrence of an emergency has the burden of proof.
5. This provision is in addition to any emergency or upset provision contained in any applicable requirement.

D. Compliance Schedule

[ARS § 49-426(1)(5)]

For any excess emission or permit deviation that cannot be corrected within 72 hours, the Permittee is required to submit a compliance schedule to the Director within 21 days of such occurrence. The compliance schedule shall include a schedule of remedial measures, including an enforceable sequence of actions with milestones, leading to compliance with the permit terms or conditions that have been violated.

E. Affirmative Defenses for Excess Emissions due to Malfunctions, Startup, and Shutdown

1. Applicability

[A.A.C. R18-2-310.A]

This condition establishes affirmative defenses for certain emissions in excess of an emission standard or limitation and applies to all emission standards or limitations except for standards or limitations:

- a. Promulgated pursuant to Sections 111 or 112 of the Act;
- b. Promulgated pursuant to Titles IV or VI of the Clean Air Act;
- c. Contained in any Prevention of Significant Deterioration (PSD) or New Source Review (NSR) permit issued by the U.S. EPA;
- d. Contained in A.A.C. R18-2-715(F); or
- e. Included in a permit to meet the requirements of A.A.C. R18-2-406.A.5.

2. Affirmative Defense for Malfunctions

[A.A.C. R18-2-310.B]

Emissions in excess of an applicable emission limitation due to malfunction shall constitute a violation. When emissions in excess of an applicable emission limitation are due to a malfunction, the Permittee has an affirmative defense to a civil or administrative enforcement proceeding based on that violation, other than a judicial action seeking injunctive relief, if the Permittee has complied with the reporting requirements of Condition XI.A and has demonstrated all of the following:

- a. The excess emissions resulted from a sudden and unavoidable breakdown of process equipment or air pollution control equipment beyond the reasonable control of the Permittee;
- b. The air pollution control equipment, process equipment, or processes were at all times maintained and operated in a manner consistent with good

personal injury, or severe damage to air pollution control equipment, production equipment, or other property;

- (3) The air pollution control equipment, process equipment, or processes were at all times maintained and operated in a manner consistent with good practice for minimizing emissions;
- (4) The amount and duration of the excess emissions (including any bypass operation) were minimized to the maximum extent practicable during periods of such emissions;
- (5) All reasonable steps were taken to minimize the impact of the excess emissions on ambient air quality;
- (6) During the period of excess emissions there were no exceedance of the relevant ambient air quality standards established in Title 18, Chapter 2, Article 2 of the Arizona Administrative Code that could be attributed to the emitting source;
- (7) All emissions monitoring systems were kept in operation if at all practicable; and
- (8) Contemporaneous records documented the Permittee's actions in response to the excess emissions.

b. If excess emissions occur due to a malfunction during routine startup and shutdown, then those instances shall be treated as other malfunctions subject to Condition XI.E.2.

4. Affirmative Defense for Malfunctions during Scheduled Maintenance
[A.A.C. R18-2-310.D]

If excess emissions occur due to a malfunction during scheduled maintenance, then those instances will be treated as other malfunctions subject to Condition XI.E.2.

5. Demonstration of Reasonable and Practicable Measures
[A.A.C. R18-2-310.E]

For an affirmative defense under Condition XI.E.2 or 3, the Permittee shall demonstrate, through submission of the data and information required by Conditions XI.A and E, that all reasonable and practicable measures within the Permittee's control were implemented to prevent the occurrence of the excess emissions.

XII. RECORD KEEPING REQUIREMENTS

A. Monitoring Records
[A.A.C. R18-2-306.A.4.a]

The Permittee shall keep records of all required monitoring information including, but not limited to, the following;

XV. FACILITY CHANGE ALLOWED WITHOUT OBTAINING AN ATO OR INDIVIDUAL PERMIT

[A.A.C. R18-2-317.02]

- A.** Except for a physical change or change in the method of operation at a Class II source subject to logging or notice requirements in Conditions XV.B and C, a change at a Class II source shall not be subject to notice or logging requirements under this Section.
- B.** The following changes may be made if the source keeps on site records of the changes according to Appendix 3 of the Arizona Administrative Code:
1. Implementing an alternative operating scenario, including raw material changes;
 2. Changing process equipment (as long as the change does not require a new ATO), operating procedures, or making any other physical change if the permit requires the change to be logged;
 3. Engaging in any new insignificant activity listed in A.A.C. R18-2-101.68.a through g but not listed in the permit;
 4. Replacing an item of air pollution control equipment listed in the permit with an identical (same model, different serial number) item. The Director may require verification of efficiency of the new equipment by performance tests; and
 5. A change that results in a decrease in actual emissions if the source wants to claim credit for the decrease in determining whether the source has a net emissions increase for any purpose. The logged information shall include a description of the change that will produce the decrease in actual emissions. A decrease that has not been logged is creditable only if the decrease is quantifiable, enforceable, and otherwise qualifies as a creditable decrease.
- C.** The following changes may be made if the source provides written notice to the Department in advance of the change as provided below:
1. If allowed under the General Permit, replacing an item of air pollution control equipment listed in the permit with one that is not identical but that is substantially similar and has the same or better pollutant removal efficiency: 7 days. The Director may require verification of efficiency of the new equipment by performance tests;
 2. If allowed under the General Permit, replacing an item of air pollution control equipment listed in the permit with one that is not substantially similar but that has the same or better efficiency: 30 days. The Director may require verification of efficiency of the new equipment by performance tests; and
 3. A change that would trigger an applicable requirement that already exists in the permit: 30 days unless otherwise required by the applicable requirement.
- D.** For each change under Condition XV.C, the written notice shall be by certified mail or hand delivery and shall be received by the Director the minimum amount of time in advance of the change. Notifications of changes associated with emergency conditions, such as malfunctions necessitating the replacement of equipment, may be provided with

XVI. TESTING REQUIREMENTS

[A.A.C. R18-2-312]

A. The Permittee shall conduct performance tests as specified in the permit and at such other times as may be required by the Director.

B. Operational Conditions during Performance Testing

Tests shall be conducted during operation at the maximum possible capacity of each unit under representative operational conditions unless other conditions are required by the applicable test method or in this permit. With prior written approval from the Director, testing may be performed at a lower rate. Operations during periods of start-up, shutdown, and malfunction (as defined in A.A.C. R18-2-101) shall not constitute representative operational conditions unless otherwise specified in the applicable standard.

C. Tests shall be conducted and data reduced in accordance with the test methods and procedures contained in the Arizona Testing Manual unless modified by the Director pursuant to A.A.C. R18-2-312.B.

D. Test Plan

At least 14 calendar days prior to performing a test, the Permittee shall submit a test plan to the Director in accordance with A.A.C. R18-2-312.B and the Arizona Testing Manual. This test plan must include the following:

1. Test duration;
2. Test location(s);
3. Test method(s); and
4. Source operation and other parameters that may affect the test result.

E. Stack Sampling Facilities

The Permittee shall provide or cause to be provided, performance testing facilities as follows:

1. Sampling ports adequate for test methods applicable to the facility;
2. Safe sampling platform(s);
3. Safe access to sampling platform(s); and
4. Utilities for sampling and testing equipment.

F. Interpretation of Final Results

Each performance test shall consist of three separate runs using the applicable test method. Each run shall be conducted for the time and under the conditions specified in the applicable standard. For the purpose of determining compliance with an applicable standard, the arithmetic mean of the results of the three runs shall apply. In the event that

XXII. APPLICABILITY OF NESHAP GENERAL PROVISIONS

[40 CFR 63]

For all equipment subject to National Emissions Standards for Hazardous Air Pollutants, the Permittee shall comply with all applicable requirements contained in Subpart A of Title 40, Chapter 63 of the Code of Federal Regulations.

9. *The Permittee shall not remediate any gas stream entering the SVEU control device with a VOC concentration greater than 20,000 ppmv or the manufacturer's specifications, whichever is less.*

[A.A.C. R18-2-306.01 and -331.A.3.a]

[Material Permit Condition is indicated by underline and italics]

10. For the purposes of this general permit the term halogenated compounds includes the following:

1,1,1,2-Tetrachloroethane	Bromoform	Glycerol trichlorohydrin
1,1,1-Trichloroethane	Bromomethane	Hexachlorobutadiene
1,1,2,2-Tetrachloroethane	Carbon tetrachloride	Hexachlorocyclopentadiene
1,1,2-Trichloroethane	Chlorodibromomethane	Hexachloroethane
1,1-Dichloroethane	Chloroethane	Methylene chloride
1,1-Dichloroethylene	Chloroform	Neoprene
1,2,2-Trifluoroethane (Freon 113)	Chloromethane	Pentachloroethane
1,2-Dichloroethane	Chloropropane	Perchloroethylene
1,2-Dichloropropane	Cis-1,2-dichloroethylene	Propylene dichloride
1,2-Trans-dichloroethylene	Cis-1,3-dichloropropene	Trichlorotrifluoroethane
1,3-cis-dichloro-1-propene	Dibromochloropropane	Monochlorobenzene
1,3-trans-dichloropropene	Dibromomethane	Tetrachloroethylene (Perchloroethylene) (PCE)
1-chloro-2-propene	Dichlorobromomethane	Trichloroethylene (TCE)
2-butylene dichloride	Dichloromethane	Vinyl chloride
Acetylene tetrachloride	Ethylene dibromide	Vinyl trichloride
Bromodichloromethane	Fluorotrichloromethane (Freon 11)	Vinylidene chloride

11. The Permittee shall not process Resources Conservation Recovery Act (RCRA) hazardous waste.

[A.A.C. R18-2-306.A.2]

B. Monitoring and Record Keeping Requirements

1. The Permittee shall maintain copies of the manufacturer's specifications for all of the equipment identified in the ATO on site.

[A.A.C. R18-2-306.A.4]

2. The Permittee shall retain records of all required monitoring data and support information for a minimum of five years from the date of generation in accordance with Section XI of Attachment "A".

[A.A.C. R18-2-306.A.4]

C. Reporting Requirements

Pursuant to Section XIV of Attachment "A", the Permittee shall submit reports of all monitoring, record keeping, and testing activities required by Attachment "B" performed during the compliance term as specified in Section VII of Attachment "A".

[A.A.C. R18-2-306.A.5]

F = Flowrate, SCFM

2. Monitoring Requirements

- a. The Permittee shall install and maintain a temperature recording device with an accuracy of ± 5 degrees Fahrenheit ($^{\circ}F$) to measure and continuously record the process temperature of the thermal or catalytic oxidizer.

[A.A.C. R18-2-306.A.2 and R18-2-331.A.3.c]

[Material Permit Condition is indicated by underline and italics]

- b. At the request of the Director, the Permittee shall measure flow at the stack of the thermal or catalytic oxidizer to obtain the total actual flow rate of gases exiting the unit.

[A.A.C. R18-2-306.A.4]

B. Particulate Matter and Opacity

1. Emission Standards

- a. The Permittee shall not discharge particulate matter into the atmosphere in any one hour from the thermal or catalytic oxidizer in total quantities in excess of the amount calculated by the following equation:

$$E = 4.10P^{0.67}$$

where:

E = the maximum allowable particulate emissions rate in pounds-mass per hour

P = the process weight rate in tons-mass per hour (below 30 tons per hour)
[A.A.C. R18-2-730.A.1.a]

- b. The opacity of any plume or effluent shall not be greater than 20 percent.
[A.A.C. R 18-2-702.B.3]

- c. If the presence of uncombined water is the only reason for an exceedance of the opacity limit, the exceedance shall not constitute a violation.
[A.A.C. R18-2-702.C]

2. Permit Shield

Compliance with this Part shall be deemed compliance with A.A.C. R18-2-702.B.3, -702.C, and -730.A.1.a.

[A.A.C. R18-2-325]

C. Volatile Organic Compounds

1. Emission Standards

The Permittee shall limit the emissions of VOCs exiting the SVEU to less than 90

- (1) Date of sampling, and type of air pollution control in use;
- (2) Site elevation (ft Above Mean Sea Level - AMSL);
- (3) The flowrate entering the SVEU control device in standard cubic feet per minute.
- (4) The process temperature of the SVEU, (°F).
- (5) The combined total concentration of all halogenated compounds at the inlet of the SVEU control device (ppmv).
- (6) The concentration of VOCs at the inlet of the SVEU control device (ppmv);
- (7) The VOC destruction efficiency for the SVEU;

[A.A.C. R18-2-306.A.4]

4. Reporting Requirements

A written report of the results of all the grab samples performed during the compliance term specified in Section VII of Attachment "A" shall be submitted to the Director in accordance with the reporting requirements in Section XIV of Attachment "A".

[A.A.C. R18-2-306.A.5]

D. Nitrogen Oxides

1. Emission Standards

The Permittee shall not discharge nitrogen oxides into the atmosphere in a concentration greater than 500 parts per million.

[A.A.C. R18-2-730.A.3]

2. Permit Shield

Compliance with this Part shall be deemed compliance with A.A.C. R18-2-730.A.3.

[A.A.C. R18-2-325]

E. Sulfur Dioxide

1. Emission Standards

The Permittee shall not discharge sulfur dioxide into the atmosphere in a concentration greater than 600 parts per million.

[A.A.C. R18-2-730.A.2]

2. Permit Shield

Compliance with this Part shall be deemed compliance with A.A.C. R18-2-730.A.2

[A.A.C. R18-2-325]

- b. The Permittee shall maintain records of the serial number of each canister of activated carbon, the date each is installed, the position in the series (first, second, or third stage position, etc.) and the date removed from service.

[A.A.C. R18-2-306.A.3]

B. Particulate Matter and Opacity

1. Emission Standards

- a. The Permittee shall not discharge particulate matter into the atmosphere in any one hour from the SVEU in total quantities in excess of the amount calculated by the following equation:

$$E = 4.10P^{0.67}$$

where:

E = the maximum allowable particulate emissions rate in pounds-mass per hour

P = the process weight rate in tons-mass per hour (below 30 tons per hour)
[A.A.C. R18-2-730.A.1.a]

- b. The opacity of any plume or effluent shall not be greater than 20 percent.
[A.A.C. R 18-2-702.B.3]

- c. If the presence of uncombined water is the only reason for an exceedance of the opacity limit, the exceedance shall not constitute a violation.
[A.A.C. R18-2-702.C]

2. Permit Shield

Compliance with this Part shall be deemed compliance with A.A.C. R18-2-702.B.3, -702.C, and -730.A.1.a.
[A.A.C. R18-2-325]

C. Volatile Organic Compounds

1. Emission Standards

The Permittee shall limit the emissions of VOCs exiting the SVEU to less than 90 tons per year on a 12-month rolling total.

[A.A.C. R18-2-306.01, and -331.A.3.a]

[Material Permit Condition is indicated by underline and italics]

2. Monitoring Requirements

- a. At each location at which the SVEU is operated, the Permittee shall take a representative grab sample of the inlet and outlet vapor stream of the SVEU device upon startup at each new location, and then once every two weeks for the first six weeks, then monthly for the following six months,

- b. A written report of the results of all the grab samples performed during the compliance term specified in Section VII of Attachment "A" shall be submitted to the Director in accordance with the reporting requirements in Section XIV of Attachment "A".

[A.A.C. R18-2-306.A.5]

V. CONDITIONS SPECIFIC TO PORTABLE SOURCES

- A. Until the Department makes available the "myDEQ" e-portal service, the Permittee shall follow the requirements of A.A.C. R18-2-503. Upon notification from the Director of "myDEQ" availability, the Permittee shall conduct all permitting services and transactions through the e-portal.

[A.A.C. R18-2-306.A.2]

- B. Move Notice

[A.A.C. R18-2-306.A.5 and -513.G]

A portable source granted coverage under a general permit may be transferred from one location to another provided that the Permittee of such equipment notifies the Director, and any control officer who has jurisdiction over the geographic area that includes the new location of the transfer prior to the transfer. The location change shall include the following:

1. A description of the permitted equipment to be transferred including permit number and as appropriate the Authorization-to-Operate number for each piece of equipment;
2. A description of the present location;
3. A description of the location to which the equipment is to be transferred, including the availability of all utilities, such as water and electricity, necessary for proper operation for all control equipment;
4. The date on which equipment is to be moved;
5. The date on which operation of the equipment will begin at the new location; and
6. A complete list of all equipment that will be located at the new location.

- C. Portable Sources Operating Solely in One County

[A.A.C. R18-2-324.A and B]

A portable source that will operate for the duration of its permit solely in one county that has established a local air pollution control program pursuant to A.R.S. 49-479 shall obtain a permit from that county. A portable source with a county permit shall not operate in any other county until it receives a permit from the Arizona Department of Environmental Quality.

$$E=3.59 P^{0.62}$$

where:

E = Emissions in pounds per hour, and

P = Process weight rate in tons per hour

b. Volatile Organic Compounds (VOCs)

- (1) *The Permittee shall limit the emissions of VOCs to less than 22.5 tons per year on a rolling twelve month total basis.*

[A.A.C. R18-2-306.01, and -331.A.3.a]

[Material Permit Condition is indicated by underline and italics]

- (2) The Permittee shall not discharge more than 15 pounds (6.8 kg) of VOCs into the atmosphere in any one day from any machine, equipment, device, or other article in which any VOC or any material containing a VOC comes into contact with flame or is evaporated at temperatures exceeding 200°F (93.3°C), in the presence of oxygen, unless the entire amount of such discharge has been reduced in accordance with Condition I.B.1.b (2).

[Maricopa County Rule 330 § 301]

- (3) The Permittee shall reduce the VOC emissions to the atmosphere by at least one of the following methods:

- (a) Incineration, provided that 90 percent or more of the carbon in the VOC compounds entering the incineration device is oxidized to carbon dioxide and overall efficiency (capture plus processing) is at least 85 percent by weight; or

[Maricopa County Rule 330 § 304.1]

- (b) Adsorption, provided that overall control efficiency (capture plus processing) is at least 85 percent by weight.

[Maricopa County Rule 330 § 304.2]

2. Record Keeping Requirements

The Permittee shall maintain a log detailing the daily VOC emissions emanating from the SVEU stack. The daily emissions shall be calculated on the same frequency as the testing specified in Conditions III.C.2.a or IV.C.2.a of Attachment "B" using the most recent sampling data.

C. Permit Shield

Compliance with this Part shall be deemed compliance with Maricopa County Rules 300 § 301, 311 § 301, 320 § 300, and 330 § 301, 304.1, 304.2, 306.

5. Condition II.C above shall not apply to the generation of airborne particulate matter from undisturbed land.

[P.C.C. 17.16.050.D.3]

D. Recordkeeping for Compliance Determination

The Permittee shall retain a copy of the permit onsite including all required monitoring records and support information for review by the Control Officer. In addition, all equipment identified in the permit equipment list shall be marked with a unique, clearly visible, and accessible ID to identify the piece of equipment. The Permittee shall be considered in compliance by demonstrating that sufficient information on the equipment and facility operations is periodically collected, recorded, and maintained to assure that the compliance status of any Specific Condition in this Attachment can be readily ascertained at any time. This information shall be retained for at least 5 years.

[A.R.S. §49-485, PCC 17.12.080, & PCC 17.24.020.A]

E. Permit Shield

Compliance with Conditions of this Section shall be deemed compliance with P.C.C. §§ 17.16.010.C, 17.16.040, 17.130.B.1, 17.16.050 and 17.16.430.A.1.a, and SIP Rule 343.

[A.A.C. R18-2-325]

Step 4: Calculate total VOC Emission after third month:

$$\begin{aligned} \text{VOC3} &= (8 \text{ lb/hr}) * (30 \text{ days}) * (24 \text{ hours/day}) \\ &= 5760 \text{ pounds of VOC} = 2.88 \text{ Tons} \end{aligned}$$

Total VOC emissions after three months = VOC1 + VOC2 + VOC3 = 3.6 + 3.24 + 2.88 = 9.72 Tons

Step 5: Continue calculating emission for months 4 through 14 following the steps above.

Total VOC emissions after 12 months = VOC1 + VOC2 + VOC3...VOC11+VOC12

Total VOC emissions after 13 months = VOC1 + VOC2 + VOC3...VOC11+VOC12+VOC13

Total VOC emissions after 14 months = VOC1 + VOC2 + VOC3...VOC11+VOC12+VOC13 +VOC14

The initial 12 months total VOC **must not exceed** 90 tons per Year.