

**DRAFT**

Date

**CERTIFIED MAIL**  
**RETURN RECEIPT REQUESTED**  
(xxxx xxxx xxxx xxxx xxxx)

07-xxxE CAB  
File No. 0507-01

Ms. Georgette Silva  
President  
Pineridge Farms, Inc.  
611 Middle Street  
Honolulu, Hawaii 96819

Dear Ms. Silva:

**Subject: Temporary Covered Source Permit (CSP) No. 0507-01-CT  
Renewal Application No. 0507-05  
Pineridge Farms, Inc.  
One (1) 195 TPH Crushing Plant with One (1) 160 HP Diesel Engine,  
One (1) 200 TPH Screening Plant, One (1) 500 TPH Screening Plant,  
and One (1) 400 TPH Crushing and Screening Plant with One (1) 300 HP  
Diesel Engine  
Located at: Various Temporary Sites, State of Hawaii  
Baseyard: West Oahu Aggregate Baseyard, 87-1650 Paakea Road,  
Nanakuli, Oahu  
Date of Expiration:**

The subject Temporary Covered Source Permit is issued in accordance with Hawaii Administrative Rules, Title 11, Chapter 60.1. The issuance of this permit is based on the plans, specifications, and information you submitted as part of your application on April 24, 2006, and notification of stack height extensions submitted November 29, 2007. A receipt for the application filing fee of \$500.00 is enclosed.

The subject temporary covered source permit is issued subject to the conditions and requirements set forth in the following attachments:

- Attachment I: Standard Conditions
- Attachment II: Special Conditions
- Attachment II - INSIG: Special Conditions - Insignificant Activities
- Attachment III: Annual Fee Requirements
- Attachment IV: Annual Emissions Reporting Requirements

Ms. Georgette Silva  
Date  
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The following forms are for your use and submittal as required:

- Compliance Certification
- Change of Location Request for a Temporary Source
- Annual Emissions Report Form: Portable Crushing and Screening Plants
- Monitoring /Annual Emissions Report Form: Operating Hours/ Fuel Certification/  
Equipment Utilization
- Monitoring Report Form: Visible Emissions
- Visible Emissions Observation Form Requirements with the following enclosures:
  - a. Visible Emissions Observation Form - Diesel Engine
  - b. Visible Emissions Observation Form - Portable Crushing and Screening Plants
  - c. Visible Emissions Observation Form - Screening Plant(s) Not Utilized In Conjunction  
with a Crushing Plant
  - d. The Ringelmann Chart

This permit: (a) shall not in any manner affect the title of the premises upon which the equipment is to be located; (b) does not release the permittee from any liability for any loss due to personal injury or property damage caused by, resulting from or arising out of the design, installation, maintenance, or operation of the equipment; and (c) in no manner implies or suggests that the Hawaii Department of Health, or its officers, agents, or employees, assumes any liability, directly or indirectly, for any loss due to personal injury or property damage caused by, resulting from or arising out of the design, installation, maintenance, or operation of the equipment.

Sincerely,

THOMAS E. ARIZUMI, P.E., CHIEF  
Environmental Management Division

Cl:nn  
Enclosures

c: CAB Monitoring Section

**ATTACHMENT I: STANDARD CONDITIONS  
TEMPORARY COVERED SOURCE PERMIT NO. 00507-01-CT**

**Issuance Date:**

**Expiration Date:**

This permit is granted in accordance with the Hawaii Administrative Rules (HAR), Title 11, Chapter 60.1, Air Pollution Control, and is subject to the following standard conditions:

1. Unless specifically identified, the terms and conditions contained in this permit are consistent with the applicable requirement, including form, on which each term or condition is based.  
  
(Auth.: HAR §11-60.1-90)
2. This permit, or a copy thereof, shall be maintained at or near the source and shall be made available for inspection upon request. The permit shall not be willfully defaced, altered, forged, counterfeited, or falsified.  
  
(Auth.: HAR §11-60.1-6; SIP §11-60-11)<sup>2</sup>
3. This permit is not transferable whether by operation of law or otherwise, from person to person, from place to place, or from one piece of equipment to another without the approval of the Department of Health, except as provided in HAR, Section 11-60.1-91.  
  
(Auth.: HAR §11-60.1-7; SIP §11-60-9)<sup>2</sup>
4. A request for transfer from person to person shall be made on forms furnished by the Department of Health.  
  
(Auth.: HAR §11-60.1-7)
5. In the event of any changes in control or ownership of the facilities to be constructed or modified, this permit shall be binding on all subsequent owners and operators. The permittee shall notify the succeeding owner and operator of the existence of this permit and its conditions by letter, copies of which will be forwarded to the Department of Health and the U.S. Environmental Protection Agency (EPA), Region 9.  
  
(Auth.: HAR §11-60.1-5, §11-60.1-7, §11-60.1-94)
6. The facility covered by this permit shall be constructed and operated in accordance with the application, and any information submitted as part of the application, for the Covered Source Permit. There shall be no deviation unless additional or revised plans are submitted to and approved by the Department of Health, and the permit is amended to allow such deviation.  
  
(Auth.: HAR §11-60.1-2, §11-60.1-4, §11-60.1-82, §11-60.1-84, §11-60.1-90)
7. This permit (a) does not release the permittee from compliance with other applicable statutes of the State of Hawaii, or with applicable local laws, regulations, or ordinances,

and (b) shall not constitute, nor be construed to be an approval of the design of the covered source.

(Auth.: HAR §11-60.1-5, §11-60.1-82)

8. The permittee shall comply with all the terms and conditions of this permit. Any permit noncompliance constitutes a violation of HAR, Chapter 11-60.1 and the Clean Air Act and is grounds for enforcement action; for permit termination, suspension, reopening, or amendment; or for denial of a permit renewal application.

(Auth.: HAR §11-60.1-3, §11-60.1-10, §11-60.1-19, §11-60.1-90)

9. If any term or condition of this permit becomes invalid as a result of a challenge to a portion of this permit, the other terms and conditions of this permit shall not be affected and shall remain valid.

(Auth.: HAR §11-60.1-90)

10. The permittee shall not use as a defense in an enforcement action that it would have been necessary to halt or reduce the permitted activity to maintain compliance with the terms and conditions of this permit.

(Auth.: HAR §11-60.1-90)

11. This permit may be terminated, suspended, reopened, or amended for cause pursuant to HAR, Sections, 11-60.1-10 and 11-60.1-98, and Hawaii Revised Statutes (HRS), Chapter 342B-27, after affording the permittee an opportunity for a hearing in accordance with HRS, Chapter 91.

(Auth.: HAR §11-60.1-3, §11-60.1-10, §11-60.1-90, §11-60.1-98)

12. The filing of a request by the permittee for the termination, suspension, reopening, or amendment of this permit, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition.

(Auth.: HAR §11-60.1-90)

13. This permit does not convey any property rights of any sort, or any exclusive privilege.

(Auth.: HAR §11-60.1-90)

14. The permittee shall notify the Department of Health and U.S. EPA Region 9 in writing of the following dates:

- a. The **anticipated date of initial start-up** for each emission unit of a new source or

significant modification not more than sixty (60) days or less than thirty (30) days prior to such date;

- b. The **actual date of construction commencement** within fifteen (15) days after such date; and
- c. The **actual date of start-up** within fifteen (15) days after such date.

(Auth.: HAR §11-60.1-90)

15. The permittee shall furnish, in a timely manner, any information or records requested in writing by the Department of Health to determine whether cause exists for terminating, suspending, reopening, or amending this permit, or to determine compliance with this permit. Upon request, the permittee shall also furnish to the Department of Health copies of records required to be kept by the permittee. For information claimed to be confidential, the Director of Health may require the permittee to furnish such records not only to the Department of Health but also directly to the U.S. EPA Region 9 along with a claim of confidentiality.

(Auth.: HAR §11-60.1-14, §11-60.1-90)

16. The permittee shall notify the Department of Health in writing, of the **intent to shut down air pollution control equipment for necessary scheduled maintenance** at least twenty-four (24) hours prior to the planned shutdown. The submittal of this notice shall not be a defense to an enforcement action. The notice shall include the following:
  - a. Identification of the specific equipment to be taken out of service, as well as its location and permit number;
  - b. The expected length of time that the air pollution control equipment will be out of service;
  - c. The nature and quantity of emissions of air pollutants likely to be emitted during the shutdown period;
  - d. Measures such as the use of off-shift labor and equipment that will be taken to minimize the length of the shutdown period; and
  - e. The reasons why it would be impossible or impractical to shut down the source operation during the maintenance period.

(Auth.: HAR §11-60.1-15; SIP §11-60-16)<sup>2</sup>

17. **Except for emergencies which result in noncompliance with any technology-based emission limitation in accordance with HAR, Section 11-60.1-16.5, in the event any emission unit, air pollution control equipment, or related equipment malfunctions or breaks down in such a manner as to cause the emission of air pollutants in violation of HAR, Chapter 11-60.1 or this permit, the permittee shall immediately notify the Department of Health of the malfunction or breakdown, unless the protection of personnel or public health or safety demands immediate attention to the malfunction or breakdown**

and makes such notification infeasible. In the latter case, the notice shall be provided as soon as practicable. Within five (5) working days of this initial notification, the permittee shall also submit, in writing, the following information:

- a. Identification of each affected emission point and each emission limit exceeded;
- b. Magnitude of each excess emission;
- c. Time and duration of each excess emission;
- d. Identity of the process or control equipment causing the excess emission;
- e. Cause and nature of each excess emission;
- f. Description of the steps taken to remedy the situation, prevent a recurrence, limit the excessive emissions, and assure that the malfunction or breakdown does not interfere with the attainment and maintenance of the National Ambient Air Quality Standards and state ambient air quality standards;
- g. Documentation that the equipment or process was at all times maintained and operated in a manner consistent with good practice for minimizing emissions; and
- h. A statement that the excess emissions are not part of a recurring pattern indicative of inadequate design, operation, or maintenance.

The submittal of these notices shall not be a defense to an enforcement action.

(Auth.: HAR §11-60.1-16; SIP §11-60-16)<sup>2</sup>

18. The permittee may request confidential treatment of any records in accordance with HAR, Section 11-60.1-14.

(Auth.: HAR §11-60.1-14, §11-60.1-90)

19. This permit shall become invalid with respect to the authorized construction if construction is not commenced as follows:

- a. Within eighteen (18) months after the permit takes effect, is discontinued for a period of eighteen (18) months or more, or is not completed within a reasonable time.
- b. For phased construction projects, each phase shall commence construction within eighteen (18) months of the projected and approved commencement dates in the permit. This provision shall be applicable only if the projected and approved commencement dates of each construction phase are defined in Attachment II, Special Conditions, of this permit.

(Auth.: HAR §11-60.1-9, §11-60.1-90)

20. The Department of Health may extend the time periods specified in Standard Condition No. 19 upon a satisfactory showing that an extension is justified. Requests for an extension shall be submitted in writing to the Department of Health.

(Auth.: HAR §11-60.1-9, §11-60.1-90)

21. The permittee shall submit fees in accordance with HAR, Chapter 11-60.1, Subchapter 6.

(Auth.: HAR §11-60.1-90)

22. All certifications shall be in accordance with HAR, section 11-60.1-4.

(Auth.: HAR §11-60.1-4, HAR §11-60.1-90)

23. The permittee shall allow the Director of Health, the Regional Administrator for the U.S. EPA and/or an authorized representative, upon presentation of credentials or other documents required by law:

- a. To enter the premises where a source is located or emission-related activity is conducted, or where records must be kept under the conditions of this permit and inspect at reasonable times all facilities, equipment, including monitoring and air pollution control equipment, practices, operations, or records covered under the terms and conditions of this permit and request copies of records or copy records required by this permit; and
- b. To sample or monitor at reasonable times substances or parameters to ensure compliance with this permit or applicable requirements of HAR, Chapter 11-60.1.

(Auth.: HAR §11-60.1-11, §11-60.1-90)

24. Within thirty (30) days of **permanent discontinuance of the construction, modification, relocation, or operation of the facility covered by this permit**, the discontinuance shall be reported in writing to the Department of Health by a responsible official of the source.

(Auth.: HAR §11-60.1-8; SIP §11-60-10)<sup>2</sup>

25. Each permit renewal application shall be submitted to the Department of Health and the U.S. EPA Region 9 no less than twelve months and no more than eighteen months prior to the permit expiration date. The director may allow a permit renewal application to be submitted no less than six months prior to the permit expiration date, if the director determines that there is reasonable justification.

(Auth.: HAR §11-60.1-101, 40 CFR §70.5(a)(1)(iii))<sup>1</sup>

26. The terms and conditions included in this permit, including any provision designed to limit a source's potential to emit, are federally enforceable unless such terms, conditions, or requirements are specifically designated as not federally enforceable.

(Auth.: HAR §11-60.1-93)

27. The compliance plan and compliance certification submittal requirements shall be in accordance with HAR, Sections 11-60.1-85 and 11-60.1-86. As specified in HAR, Section 11-60.1-86, the compliance certification shall be submitted to the Department of Health and the U.S. EPA Region 9 once per year, or more frequently as set by any applicable requirement.

(Auth.: HAR §11-60.1-90)

28. **Any document (including reports) required to be submitted by this permit shall be certified as being true, accurate, and complete by a responsible official in accordance with HAR, Sections 11-60.1-1 and 11-60.1-4, and shall be mailed to the following address:**

**Clean Air Branch  
Environmental Management Division  
Hawaii Department of Health  
P.O. Box 3378  
Honolulu, HI 96801-3378**

**Upon request and as required by this permit, all correspondence to the State of Hawaii Department of Health associated with this Covered Source Permit shall have duplicate copies forwarded to:**

**Chief  
Permits Office, (Attention: Air-3)  
Air Division  
U.S. Environmental Protection Agency  
Region 9  
75 Hawthorne Street  
San Francisco, CA 94105**

(Auth.: HAR §11-60.1-4, §11-60.1-90)

29. To determine compliance with submittal deadlines for time-sensitive documents, the postmark date of the document shall be used. If the document was hand-delivered, the date received (“stamped”) at the Clean Air Branch shall be used to determine the submittal date.

(Auth.: HAR §11-60.1-5, §11-60.1-90)

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<sup>1</sup>The citations to the Code of Federal Regulations (CFR) identified under a particular condition, indicate that the permit condition complies with the specified provision(s) of the CFR. Due to the integration of the preconstruction and operating permit requirements, permit conditions may incorporate more stringent requirements than those set forth in

**CSP No. 0507-01-CT**  
**Attachment I**  
**Page 7 of 6**  
**Issuance Date:**  
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the CFR.

<sup>2</sup>The citations to the State Implementation Plan (SIP) identified under a particular condition, indicate that the permit condition complies with the specified provision(s) of the SIP.

**ATTACHMENT II: SPECIAL CONDITIONS  
TEMPORARY COVERED SOURCE PERMIT NO. 0507-01-CT**

**Issuance Date:**

**Expiration Date:**

In addition to the Standard Conditions of the Temporary Covered Source Permit, the following Special Conditions shall apply to the permitted facility:

**Section A. Equipment Description**

1. This permit encompasses the following equipment and associated appurtenances for the Portable Stone Processing Plants:

a. Crushing Plants (includes Crushing and Screening Plant):

- i. One (1) 195 TPH BL-Pegson Jaw Crusher, model Metro Trak, serial no. QM10381 with One (1) Caterpillar 160 HP diesel engine, model 3116TA, serial no. 2MR01700;
- ii. One (1) 400 TPH BL-Pegson Tracked Impactor (42" x 42") with Product Sizing Screen (11' x 5', 2-deck), model 4242 SR, serial no. QM017963 with One (1) Caterpillar 300 HP diesel engine, model C-9 DITA, serial no. CLJ03612;
- iii. Various conveyors; and
- iv. Waterspray systems.

b. Screening Plants:

- i. One (1) 200 TPH Powerscreen, model Mk II, serial no. 2813808;
- ii. One (1) 500 TPH Powerscreen, Turbo Chieftain 1400, serial no. 6612673;
- iii. Various conveyors; and
- iv. Waterspray systems.

(Auth.: HAR §11-60.1-3)

2. An identification tag or name plate shall be displayed on the crushers, screens, and diesel engines listed above to show model no., serial no., and manufacturer. The identification tag or name plate shall be permanently attached to the equipment at a conspicuous location.

(Auth.: HAR §11-60.1-5, §11-60.1-90)

**Section B. Applicable Federal Regulations**

1. The 195 TPH portable crushing plant and the 400 TPH portable crushing and screening plant are subject to the provisions of the following federal regulations:
  - a. 40 CFR Part 60, Standards of Performance for New Stationary Sources, Subpart A, General Provisions; and
  - b. 40 CFR Part 60, Standards of Performance for New Stationary Sources, Subpart OOO, Standards of Performance for Nonmetallic Mineral Processing Plants.

Should any of the screening plants be used in conjunction with the crushers listed in this section, the screening plant(s), including their conveyors, shall also be subject to the federal regulations listed above.

(Auth.: HAR §11-60.1-3, §11-60.1-90, §11-60.1-161; 40 CFR § 60.1, §60.670)<sup>1</sup>

2. The permittee shall comply with all of the applicable provisions of these standards, including all emission limits, notification, testing, monitoring and reporting requirements. The major requirements of these standards are detailed in the Special Conditions of this permit.

(Auth.: HAR §11-60.1-3, §11-60.1-90, §11-60.1-161; 40 CFR Part 60)<sup>1</sup>

**Section C. Operational and Emission Limitations**

1. Operating Hour Restrictions

Maximum operating hours for each equipment shall be as follows:

Equipment	Maximum Operating Hours, 12-month Rolling Basis
One (1) Chieftain 1400	1,560
MK II Powerscreen	2,080
Metro Trak	2,080
4242 SR Impactor	2,080

(Auth.: HAR §11-60.1-5, §11-60.1-90)

2. Crushing and Screening Operations
  - a. The total operating hours of each portable crushing and screening plant, including the diesel engines, shall not exceed the maximum operating hours in any rolling twelve (12) month period, as specified in Special Condition C.1. The permittee shall not operate

the

crushing and screening plants unless its respective non-resetting hour meter is recording its hours of operation.

(Auth.: HAR §11-60.1-3, §11-60.1-90)

- b. The permittee shall not cause to be discharged into the atmosphere from any crusher, fugitive emissions which exhibit greater than fifteen (15) percent opacity.

(Auth.: HAR §11-60.1-3, §11-60.1-90, §11-60.1-161; 40 CFR §60.672)<sup>1</sup>

- c. The permittee shall not cause to be discharged into the atmosphere from any transfer point on the belt conveyors or from any other affected facility any fugitive dust emissions which exhibit greater than ten (10) percent opacity. The screening plants and their conveyors shall only be subject to this requirement when utilized in conjunction with a crushing plant.

(Auth.: HAR §11-60.1-3, §11-60.1-90, §11-60.1-161; 40 CFR §60.672)<sup>1</sup>

- d. The portable crushing and screening plants shall be configured to the layout identified in the covered source permit application, or to an alternate configuration meeting the following:
- i. The permittee shall not operate the portable crushing and screening plants in a configuration that would result in an increase in the number of emission points, such as the addition of more transfer or stacking conveyors; and
  - ii. The permittee shall not operate the portable crushing and screening plants in a configuration that would cause an increase in the capacity of the process flow.

(Auth.: HAR §11-60.1-3, §11-60.1-90)

- e. The permittee shall take measures to control fugitive dust (e.g., wet suppression, enclosures, dust screens, etc.) at the crushers, screens, material transfer points, stockpiles, and throughout the facility. The Department of Health may at any time require the permittee to further abate fugitive dust emissions if an inspection indicates poor or insufficient control.

(Auth.: HAR §11-60.1-3, §11-60.1-33, §11-60.1-90)

- f. The permittee shall not cause or permit fugitive dust to become airborne without taking reasonable precautions and shall not cause or permit the discharge of visible emissions of fugitive dust beyond the lot line of the property boundary on which the emissions originate.

(Auth.: HAR §11-60.1-3, §11-60.1-33, §11-60.1-90)

- g. Water spray bars shall be maintained and utilized as needed during operation of the plant to minimize fugitive dust at the following material drop off points:
  - i. For the Metro Trak Crushing Plant:
    - (1) At the feed of the crusher;
    - (2) At the exit of the crusher to the finished material conveyor; and
    - (3) At the transfer point from the finished material conveyor to stockpile.
  - ii. For each Screening Plant:
    - (1) At the exit of the hopper; and
    - (2) At the feed of the screen.
  - iii. For the 4242 SR Tracked Impactor with Sizing Screen:
    - (1) At the crusher discharge; and
    - (2) At the transfer point from the underscreen conveyor to stockpile (identified as the fines conveyor discharge).

The Department of Health at any time may require additional water sprays or manual water spraying at pertinent locations if an inspection indicates that more fugitive dust control is needed.

(Auth.: HAR §11-60.1-3, §11-60.1-33, §11-60.1-90)

- h. The portable crushing and screening plants shall not be operated if observation, or the routine inspection required in Special Condition D.2.b. indicates a significant drop in water pressure and/or flow rate, plugged nozzle(s), leak in the piping system, or other problems which affect the efficiency of their respective water spray system. The permittee shall investigate and correct the problem before resuming operations. The normal operating water pressure (psi) and/or flow rate (gal/min) for the water spray systems shall be established in the performance test conducted pursuant to this Attachment, Section F, and may be incorporated into the permit.

(Auth.: HAR §11-60.1-3, §11-60.1-33, §11-60.1-90)

- i. A water truck shall be maintained and utilized during the facility's operating hours and at other times as necessary to minimize fugitive dust on haul roads and storage piles.

(Auth.: HAR §11-60.1-3, §11-60.1-33, §11-60.1-90)

3. Diesel Engines

- a. The diesel engines shall be fired only on fuel oil No. 2 with a maximum sulfur content not to exceed 0.5% by weight.

(Auth.: HAR §11-60.1-3, §11-60.1-38, §11-60.1-90)

- b. The exhaust stack servicing the 195 TPH Metro Trak (Caterpillar 3116TA) diesel engines shall be constructed to a minimum height of 16.5 feet (5.03 m) above ground elevation.

(Auth.: HAR §11-60.1-3, §11-60.1-90)

- c. The exhaust stack servicing the 400 TPH Tracked Impactor with Sizing Screen (Caterpillar C-9 DITA) diesel engine shall be constructed to a minimum height of 15.5 feet (4.72 m) above ground elevation.

(Auth.: HAR §11-60.1-3, §11-60.1-90)

- d. The permittee shall not operate the 400 TPH Tracked Impactor (Caterpillar C-9 DITA) diesel engine with the 195 TPH Metro Trak (Caterpillar 3116TA) diesel engine, unless an ambient air quality impact assessment for the combined operation of the two diesel engines at the same location is submitted to and approved, in writing, by the Department of Health.

(Auth.: HAR §11-60.1-3, §11-60.1-90)

- e. For any six (6) minute averaging period, the diesel engines shall not exhibit visible emissions of twenty (20) percent or greater, except as follows: during start-up, shutdown, or equipment breakdown, the diesel engines may exhibit visible emissions greater than twenty (20) but not exceeding sixty (60) percent opacity for a period aggregating not more than six (6) minutes in any sixty (60) minutes.

(Auth.: HAR §11-60.1-3, §11-60.1-90, §11-60.1-161)

4. Maintenance

The portable crushing and screening plants, including the water spray systems and diesel engines shall be maintained in good operating condition at all times with scheduled inspections and maintenance as recommended by the manufacturer, or as needed.

(Auth.: HAR §11-60.1-3, §11-60.1-33, §11-60.1-90)

5. Location Change

- a. The operation of the equipment covered by this Temporary Covered Source Permit

shall involve at least one (1) location change during the term of this permit.

(Auth.: HAR §11-60.1-81)

- b. Subsequent location changes of the portable crushing and screening plants shall be in accordance with Section G, of this Attachment. For each change in location, the Department of Health reserves the right to impose additional operational controls and restrictions if a site evaluation indicates the controls and/or restrictions are necessary.

(Auth.: HAR §11-60.1-81)

- c. For each location, the total emissions from the equipment covered by this Temporary Covered Source Permit shall not exceed the threshold limits for a "major source" as defined in HAR 11-60.1-1.

(Auth.: HAR §11-60.1-81)

#### **Section D. Monitoring and Recordkeeping Requirements**

All records, including support information, shall be true, accurate and maintained for at least five (5) years from the date of the monitoring sample, measurement, test, report, or application. Support information includes all maintenance, inspection, and repair records, and copies of all reports required by this permit. These records shall be in a permanent form suitable for inspection and made available to the Department of Health or their representative upon request.

(Auth.: HAR §11-60.1-3, §11-60.1-11, §11-60.1-90)

##### 1. Operating Hour Limitation

- a. The permittee shall operate and maintain a non-resetting hour meter on the diesel engine of each crushing plant (includes crushing and screening plant) for the continuous and permanent recording of the number of hours operated by each crushing plant and diesel engine. The operating hours of each diesel engine shall represent the total hours operated by each crushing plant for the purpose of the limitation specified in Special Condition Nos. C.1. and C.2.a.
- b. The permittee shall operate and maintain a non-resetting hour meter on each screening plant for the continuous and permanent recording of the total number of hours operated by each screening plant for the purpose of the limitation specified in Special Condition Nos. C.1. and C.2.a.

(Auth.: HAR §11-60.1-3, §11-60.1-90)

##### 2. Water Spray System

- a. A water pressure gauge and/or flow meter shall be operated and maintained to measure the pressure and/or flow rate of the water spray system in psi and/or gallons per minute (gal/min).
- b. The water spray system, to include the water pump, piping system, spray nozzles and any gauges (i.e., water pressure, water flow meter, etc.) shall be checked routinely or at least once per week to insure proper operation of the water spray system.

(Auth.: HAR §11-60.1-3, §11-60.1-11, §11-60.1-90)

3. Visible Emissions (V.E.)

- a. Except in those months where V.E. observations are conducted pursuant to Special Condition No. D.3.c., the permittee shall conduct **monthly** (calendar month) V.E. observations for the diesel engines in accordance with 40 CFR Part 60, Appendix A, Method 9 or by use of a Ringelmann Chart as provided. For the monthly observation, two (2) consecutive six (6) minute observations shall be taken at fifteen (15) second intervals for each emission point. Records shall be completed and maintained in accordance with the *Visible Emissions Observation Form Requirements*.
- b. Except in those months where a performance test is conducted pursuant to Special Condition No. D.4. below, the permittee shall conduct **monthly** (calendar month) V.E. observations for the crushing plants (includes crushing and screening plant), and screening plants (if used in conjunction with a crushing plant at any time during the month). Observations shall be made at emission points subject to an opacity limit, and shall be performed in accordance with 40 CFR Part 60, Appendix A, Method 9, or by use of a Ringelmann Chart as provided. For the monthly observation, two (2) consecutive six (6) minute observations shall be taken at fifteen (15) second intervals for each emission point. For the crushing and screening plants, the observer shall comply with the following additional requirements:
  - i. The minimum distance between the observer and the emission source shall be 4.57 meters (15 feet);
  - ii. The observer shall, when possible, select a position that minimizes interference from other fugitive emission sources. The required observer position relative to the sun (Method 9; Section 2.1) shall be followed; and
  - iii. The observer shall record the operating capacity (ton/hr) of the plant at the time the observations were made.

The Department of Health may allow observation of a portion of the total emission points at the crushing and screening plants, if it can be demonstrated that operations have been in compliance with the permit. At a minimum, at least two emission points from each crushing and screening plant shall be observed each month. The selected points for each plant shall include the crushers and screens and a transfer point, or

those points as specified by the Department of Health. Allowance to observe a portion of the total required emission points shall be obtained in writing from the Department of Health.

Records shall be completed and maintained in accordance with the *Visible Emissions Observation Form Requirements*.

- c. The permittee shall conduct **annually** (calendar year), V.E. observations for the diesel engines by a certified reader in accordance with 40 CFR Part 60, Appendix A, Method 9. For the annual observation, two (2) consecutive six (6) minute observations shall be taken at fifteen (15) second intervals for each emission point. Records shall be completed and maintained in accordance with the *Visible Emissions Observation Form Requirements*.
- d. Upon written request and justification by the permittee, the Department of Health may waive the requirement for the annual V.E. observation of the diesel engines. The waiver request is to be submitted prior to the required annual V.E. observation and must include documentation justifying such action. Documentation should include, but is not limited to, the results of the prior V.E. observations indicating compliance by a wide margin, documentation of continuing compliance, and further that operations of the source have not changed since the previous annual V.E. observation.

(Auth.: HAR §11-60.1-3, §11-60.1-32, §11-60.1-90)

#### 4. Performance Test

Annual source performance tests shall be conducted on the crushing plants (includes crushing and screening plant), and screening plants (if utilized in conjunction with a crushing plant) pursuant to this Attachment, Section F. Test summaries and results shall be maintained in accordance with the requirements of this section.

(Auth.: HAR §11-60.1-3, §11-60.1-5, §11-60.1-90)

#### 5. Records

The permittee shall maintain records on the following:

- a. Total tons of material processed by each crushing and screening plant on a monthly and annual basis for purposes of annual emissions reporting. Records shall include the start and end dates the plants are operated at each location, the type (e.g., soil, cinder, gravel, etc.) and the amount of material (tons) processed at each location.
- b. The number of hours each crushing and screening plant operated on a monthly and 12-month rolling basis for purposes of the limitation specified in Special Condition No. C.2.a. For each crushing and screening plant, monthly records shall include:

- i. Date of meter reading;
  - ii. Identification of crushing or screening plant (list all equipment used in each plant);
  - iii. Beginning and ending meter readings for each month of operation at each location;
  - iv. Total operating hours for each month at each location;
  - v. Total operating hours on a 12-month rolling basis; and
  - vi. Recorder's name and initials.
- c. All instances where a screening plant operated in conjunction with a crushing plant for purposes of Special Condition No. B.1. For each time a screening plant operated in conjunction with a crushing plant, records shall include:
- i. Identification of the screening plant and crushing plant that operated in conjunction with each other;
  - ii. Any other equipment operated with the crushing and screening plants;
  - iii. The date(s) of operation; and
  - iv. The location of operation.
- d. All instances where the 400 TPH Tracked Impactor (Caterpillar C-9 DITA) diesel engine was operated with the 195 TPH Metro Trak (Caterpillar 3116TA) diesel engine without prior DOH approval for purposes of Special Condition No. C.4.d. Records for the combined operations without prior approval shall include:
- i. The equipment operated;
  - ii. The date(s) of operation;
  - iii. The location of operations;
  - iv. The total amount of hours operated; and
  - v. The reason for operating at the two diesel engines at the same location without prior DOH approval.
- e. Fuel purchase receipts, showing the fuel type, sulfur content (percent by weight), date of delivery, and amount (gallons) of fuel delivered to the site for the diesel engines. Fuel sulfur content may be demonstrated by providing the supplier's fuel specification sheet for the type of fuel purchased and received. Records on the total amount (gallons) of fuel fired in each diesel engine shall be maintained on an annual basis.
- f. Monthly and annual V.E. records with observation monitoring results of the crushing and screening plants and diesel engines' stack exhaust in accordance with the **"Visible Emissions Observation Form Requirements."** Monthly V.E. records shall also identify the screening plant(s) that were not utilized in conjunction with a crushing plant for that month.
- g. Source performance test plans, summaries, and results for the portable crushing and screening plants.

- h. Equipment inspection, maintenance, and repair work. An inspection, maintenance and repair log shall be maintained for the equipment covered under this permit. Inspection of, and replacement of parts and repairs to the crushers, screens, conveyors, water spray system, and diesel engines, shall be well documented. At a minimum, the following records shall be maintained:
  - i. The date of the inspection/maintenance/repair work;
  - ii. A description of the part(s) inspected or repaired;
  - iii. A description of the findings and any maintenance or repair work performed; and
  - iv. The name and title of the personnel performing inspection/work.

(Auth.: HAR §11-60.1-3, §11-60.1-5, §11-60.1-90)

### **Section E. Notification and Reporting Requirements**

- 1. Notification and reporting pertaining to the following events shall be done in accordance with Attachment I, Standard Conditions Nos. 16, 17 and 24, respectively:
  - a. *Intent to shut down air pollution control equipment for necessary scheduled maintenance;*
  - b. *Emissions of air pollutants in violation of HAR, Chapter 11-60.1 or this permit (excluding technology-based emission exceedences due to emergencies); and*
  - c. *Permanent discontinuance of construction, modification, relocation, or operation of the facility covered by this permit.*

(Auth.: HAR §11-60.1-8, §11-60.1-15, §11-60.1-16, §11-60.1-90; SIP §11-60-10, §11-60-16)<sup>2</sup>

- 2. The permittee shall report in writing **within five (5) working days** any deviations from the permit requirements, including those attributable to upset conditions, the probable cause of such deviations and any corrective actions or preventative measures taken. Corrective actions may include a requirement for additional source testing, more frequent monitoring, or the implementation of a corrective action plan.

(Auth.: HAR §11-60.1-3, §11-60.1-15, §11-60.1-16, §11-60.1-90)

- 3. Performance Testing

- a. At least **thirty (30) days prior** to conducting a source performance test pursuant to Special Conditions, Section F, the permittee shall submit a written performance test plan to the Department of Health in accordance with Special Condition No. F.4.

(Auth.: HAR §11-60.1-3, §11-60.1-11, §11-60.1-90; 40 CFR §60.8, SIP §11-60-15)<sup>1, 2</sup>

- b. Written reports of the results of the source performance tests conducted to demonstrate compliance shall be submitted to the Department of Health **within sixty (60) days after the completion of the performance test**, and shall be in conformance with Special condition No. F.6.

(Auth.: HAR §11-60.1-3, §11-60.1-90, §11-60.1-161; 40 CFR § 60.676)<sup>1</sup>

#### 4. Monitoring Report Forms

The permittee shall submit **semi-annually** the following reports to the Department of Health. The reports shall be submitted **within sixty (60) days after the end of each semi-annual calendar period (January 1 - June 30 and July 1 - December 31)**, be signed and dated by a responsible official, and shall include the following:

- a. Total operating hours of each crushing and screening plant on a monthly and 12-month rolling basis;
- b. Identification of the type of fuel fired in the diesel engines during the respective reporting period. Include the maximum sulfur content (% by weight) of the fuel;
- c. Identification of all instances where the 300 HP Caterpillar diesel engine (powering the 400 TPH Tracked Impactor crushing plant) was operated with the 160 HP diesel engine (powering the 195 TPH Metro Trak crushing plant) without prior DOH approval;
- d. Identification of all instances where a screening plant was used in conjunction with a crushing plant. If a screening plant was not utilized in conjunction with a crushing plant during the reporting period, this shall also be indicated in the report;
- e. Identification of any opacity exceedances as determined by the required V.E. monitoring of the portable crushing and screening plants and diesel engines. Each exceedances reported shall include the date, six (6) minute average opacity reading, possible reason for exceedances, duration of exceedance, and corrective actions taken. If there were no exceedances, the permittee shall submit in writing a statement indicating that for each equipment there were no exceedances for that semi-annual period for the diesel engines and portable crushing and screening plants.

The enclosed **Monitoring/Annual Emissions Report Form: "Operating Hours/Fuel Certification/Equipment Utilization,"** and **Monitoring Report Form: "Visible Emissions,"** shall be used.

(Auth.: HAR §11-60.1-3, §11-60.1-33, §11-60.1-90)

#### 5. Compliance Certification

During the permit term, the permittee shall submit at least **annually** to the Department of Health and U.S. EPA Region 9, *Attachment V: Compliance Certification* pursuant to HAR, Subsection 11-60.1-86. The permittee shall indicate whether or not compliance is being met with each term or condition of this permit. The compliance certification shall include, at a minimum, the following information:

- a. The identification of each term or condition of the permit that is the basis of the certification;
- b. The compliance status;
- c. Whether compliance was continuous or intermittent;
- d. The methods used for determining the compliance status of the source currently and over the reporting period;
- e. Any additional information indicating the source's compliance status with any applicable enhanced monitoring and compliance certification including the requirements of Section 114(a) (3) of the Clean Air Act or any applicable monitoring and analysis provisions of Section 504(b) of the Clean air Act; and
- f. Any additional information as required by the Department of Health including information to determine compliance.

*The compliance certification shall be submitted **within ninety (90) days after** the end of each calendar year, and shall be signed and dated by a responsible official or authorized representative.*

*Upon written request of the permittee, the deadline for submitting the compliance certification may be extended, if the Department of Health determines that reasonable justification exists for the extension.*

(Auth.: HAR §11-60.1-4, §11-60.1-86, §11-60.1-90)

#### 6. Annual Emissions

As required by Attachment IV and in conjunction with the requirements of Attachment III, Annual Fee Requirements, the permittee shall report **annually** the total tons per year emitted of each regulated air pollutant, including any hazardous air pollutants. The reporting of annual emissions is due **within sixty (60) days following the end of each calendar year**. Upon the written request of the permittee, the deadline for reporting of annual emissions may be extended, if the Department of Health determines that reasonable justification exists for the extension.

For the stone processing operations, the enclosed **Annual Emissions Report Form - "Portable Crushing and Screening Plants,"** shall be used. For the diesel engines, completion and submittal of the **Monitoring/Annual Emissions Report Form - "Operating Hours/Fuel Certification/Equipment Utilization"** shall satisfy the requirement of annual emissions reporting.

(Auth.: HAR §11-60.1-3, §11-60.1-90)

### Section F. Testing Requirements

1. Performance Testing

On an annual basis or at other times as specified by the Department of Health, the permittee shall conduct or cause to be conducted performance tests on the portable crushing plants (includes crushing and screening plant), and screening plants (if utilized in conjunction with a crushing plant) to determine the opacity of emissions. Annual source performance testing of a screening plant is not required for those years in which the screening plant is not utilized in conjunction with a crushing plant. Tests shall be conducted for each point subject to an opacity limit.

The Department of Health may require testing at other points in the facility or more frequent testing if an inspection indicates poor or insufficient controls.

(Auth.: HAR §11-60.1-3, §11-60.1-11, §11-60.1-90; §11-60.1-161, 40 CFR §60.675)<sup>1</sup>

2. Performance Test Methods

a. The performance tests for the portable crushing and screening plants shall be conducted by a certified reader using Method 9 of 40 CFR Part 60, Appendix A, and the procedures in 40 CFR §60.11 with additions identified in 40 CFR Part 60, Subpart OOO, §60.675(c)); or U.S. EPA-approved equivalent methods with written consent from the Department of Health. In addition, the observer shall comply with the following requirements:

- i. The minimum distance between the observed and the emission source shall be 4.57 meters (15 feet) but not more than 402 meters (0.25 miles);
- ii. The observer shall, when possible, select a position that minimizes interference from other fugitive emission sources. The required observer position relative to the sun (Method 9, Section 2.1) shall be followed; and
- iii. The observer shall record the operating capacity (tons/hr) of the plant at the time observations were made.

(Auth.: HAR §11-60.1-3, §11-60.1-11, §11-60.1-90, §11-60.1-161; 40 CFR §60.675)<sup>1</sup>

b. When determining compliance with the fugitive dust emissions standard specified in Special Condition No. C.2.b. for the crushers, the duration of Method 9 may be reduced from three (3) hours (thirty 6-minute averages) to one (1) hour (ten 6-minute averages) only if the following conditions apply:

- i. There are no individual readings greater than fifteen (15) percent opacity; and
- ii. There are no more than three (3) readings of fifteen (15) percent for the 1-hour period.

(Auth.: HAR §11-60.1-3, §11-60.1-11, §11-60.1-90, §11-60.1-161; 40 CFR §60.675)<sup>1</sup>

c. When determining compliance with the fugitive emissions standard specified in Special

Condition No. C.2.c. for the screens, and any transfer point on the belt conveyor(s) or for any other affected facility, the duration of Method 9 may be reduced from three (3) hours (thirty 6-minute averages) to one (1) hour (ten 6-minute averages) only if the following conditions apply:

- i. There are no individual readings greater than ten (10) percent opacity; and
- ii. There are no more than three (3) readings of ten (10) percent for the 1-hour period.

(Auth.: HAR §11-60.1-3, §11-60.1-11, §11-60.1-90, §11-60.1-161; 40 CFR §60.675)<sup>1</sup>

d. When determining compliance with the fugitive emissions standards of Special Conditions Nos. C.2.b. and C.2.c., if emissions from two or more facilities continuously interfere so that the opacity of fugitive emissions from an individual affected facility cannot be read, either of the following procedures may be used:

- i. Use for the combined emission stream the highest fugitive opacity standard applicable to any of the individual affected facilities contributing to the emissions stream.
- ii. Separate the emissions so that the opacity of emissions from each affected facility can be read.

(Auth.: HAR §11-60.1-3, §11-60.1-11, §11-60.1-90, §11-60.1-161; 40 CFR §60.675)<sup>1</sup>

e. If, after **thirty (30) days** notice for an initially scheduled performance test, there is a delay (due to operational problems, etc.) in conducting any rescheduled performance test required by Section F, the permittee shall submit a notice to the Department of Health at least **seven (7) days** prior to any rescheduled performance test.

(Auth.: HAR §11-60.1-3, §11-60.1-11, §11-60.1-90, §11-60.1-161; 40 CFR §60.675)<sup>1</sup>

### 3. Performance Test Expense and Monitoring

The performance tests shall be made at the expense of the permittee and shall be conducted at the maximum expected operating capacity of the portable crushing and screening plants and diesel engines. All performance tests may be monitored by the Department of Health.

(Auth.: HAR §11-60.1-3, §11-60.1-11, §11-60.1-90; §11-60.1-161, 40 CFR §60.675)<sup>1</sup>

### 4. Performance Test Plan

**At least thirty (30) days prior to conducting the performance test** for the portable crushing and screening plants, the permittee shall submit a written performance test plan to the

Department of Health that includes date(s) of the test, test duration, test locations, test methods, source operation, locations of visible emissions readings, and other parameters that may affect the test results. Such a plan shall conform to U.S. EPA guidelines including quality assurance procedures. A test plan or quality assurance plan that does not have the approval of the Department of Health may be grounds to invalidate any test and require a retest.

(Auth.: HAR §11-60.1-3, §11-60.1-11, §11-60.1-90; 40 CFR 60.8, SIP §11-60.1-15)<sup>1,2</sup>

5. Deviation

Any deviations from these conditions, test methods, or procedures may be cause for rejection of the test results unless such deviations are approved by the Department of Health before the tests.

(Auth.: HAR §11-60.1-3, §11-60.1-11, §11-60.1-90)

6. Performance Test Report

**Within sixty (60) days after completion of the performance test** for the portable crushing and screening plants, the permittee shall submit to the Department of Health the test report which shall include the operating conditions of the facility at the time of the test (e.g., operating rate in tons/hr, water meter pressure in psi and/or flow rate during the test in gal/min, etc.), locations of where the visible emissions were read, visible emission readings, location of water sprays, summarized test results, comparative results with the permit emission limits, other pertinent support calculations, and field/laboratory data. The results shall be recorded and reported in accordance with 40 CFR Part 60 Appendix A and §60.8 for the portable crushing and screening plants.

The normal operating water pressure (psi) and/or flow rate (gal/min) of the water spray system shall be determined by the water pressure and/or flow rate used during the performance test that demonstrates compliance with the opacity limits of this permit.

(Auth.: HAR §11-60.1-3, §11-60.1-11, §11-60.1-90, §11-60.1-161; 40 CFR §60.675; SIP §11-60-15)<sup>1,2</sup>

7. Performance Test Waiver

Upon written request and justification, the Department of Health may waive the requirement for, or a portion of, a specific source performance test. The waiver request is to be submitted prior to the required test and must include documentation justifying such action. Documentation should include, but is not limited to, the results of the prior performance test indicating compliance by a wide margin, documentation of continuing compliance, and further that operations of the source have not changed since the previous source test.

(Auth.: HAR §11-60.1-3, §11-60.1-90)

8. Annually, the permittee shall identify, in the performance test plan or waiver request, the screening plant(s) that will not be tested because they are not subject to Special Condition No. B.1. The test plan or waiver request shall include: the make, model, size, and serial number of the screen(s), with a statement that the screen(s) was not utilized in conjunction with a crushing plant at any time during that year.

(Auth.: HAR §11-60.1-3, §11-60.1-90)

### **Section G. Change of Location Requirements**

1. The permittee shall submit information regarding all location changes to the Department of Health for approval **at least thirty (30) days**, or such lesser time as designated and approved by the Department of Health; prior to the change in location. The information submitted shall include the following:
  - a. Name, address, phone number of the facility and the plant site manager or other contact;
  - b. Temporary covered source permit number and expiration date;
  - c. Identification of current location;
  - d. Location map of the proposed new temporary location containing the following information:
    - i. Identification of the property and fence lines; and
    - ii. Location of all structures within 100 meters of the equipment. Provide the building dimensions (height, length, and width) of all structures that have heights greater than 40% of the stack height of the equipment.
  - e. List of the equipment to be used at the site, description of the plant configuration, and identification of all screening plants to be used in conjunction with a crushing plant;
  - f. Area map showing the proposed new location of the portable stone processing plant;
  - g. Projected dates of operation at the new location and the maximum projected operating hours;
  - h. Identification of any other air pollution sources at the new location and any other air pollution sources owned or operated by the permittee which have operated at or adjacent to the new location within the last twelve (12) months. For sources that have operated at or adjacent to the new location within the last 12-months, provide the number of hours operated at that site within the last 12-months;
  - i. Certification that no modification will be made to the equipment, and operational methods will remain similar as permitted under this temporary covered source permit at the new location; and
  - j. Any additional information as requested by the Department of Health, including an ambient air quality impact assessment of the facility at the new location.

(Auth.: HAR §11-60.1-3, §11-60.1-91)

2. The applicable filing fee shall be submitted to the Department of Health with each change in location request and made payable to the **Clean Air Special Fund-COV**.

(Auth.: HAR §11-60.1-3, §11-60.1-91)

3. Prior to any relocation, the Department of Health shall approve, conditionally approve, or deny in writing each location change. If the Department of Health denies a location change, the applicant may appeal the decision pursuant to HRS, Chapter 91.

(Auth.: HAR §11-60.1-3, §11-60.1-91)

4. At each of the authorized locations, the permittee shall operate in accordance with this Temporary Covered Source Permit and all applicable requirements.

(Auth.: HAR §11-60.1-3, §11-60.1-91)

5. All the information required in this section shall be submitted to the Department of Health using the attached form, "*Change of Location Request for a Temporary Source*," including the area map showing the new proposed location.

(Auth.: HAR §11-60.1-3, §11-60.1-91)

#### **Section H. Agency Notification**

1. Any document (including reports) required to be submitted by this Temporary Covered Source Permit shall be done in accordance with Attachment I, Standard Condition 28.

(Auth.: HAR §11-60.1-4, §11-60.1-90)

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<sup>1</sup>The citations to the Code of Federal Regulations (CFR) identified under a particular condition, indicate that the permit condition complies with the specified provision(s) of the CFR. Due to the integration of the preconstruction and operating permit requirements, permit conditions may incorporate more stringent requirements than those set forth in the CFR.

<sup>2</sup>The citations to the State Implementation Plan (SIP) identified under a particular condition, indicate that the permit condition complies with the specified provision(s) of the SIP.

**ATTACHMENT II - INSIG: SPECIAL CONDITIONS  
TEMPORARY COVERED SOURCE PERMIT NO. 0507-01-CT  
INSIGNIFICANT ACTIVITIES**

**Issuance Date:**

**Expiration Date:**

In addition to the Standard Conditions of the Covered Source Permit, the following Special Conditions shall apply to the permitted facility:

**Section A. Equipment Description**

This attachment encompasses insignificant activities listed in HAR, §11-60.1-82(f) and (g) for which provisions of this permit and HAR, Subchapter 2, General Prohibitions apply.

(Auth.: HAR §11-60.1-3)

**Section B. Operational Limitations**

1. The permittee shall take measures to operate applicable insignificant activities in accordance with the provisions of HAR, Subchapter 2 for visible emissions, fugitive dust, incineration, process industries, sulfur oxides from fuel combustion, storage of volatile organic compounds, volatile organic compound water separation, pump and compressor requirements, and waste gas disposal.

(Auth.: HAR §11-60.1-3, §11-60.1-82, §11-60.1-90)

2. The Department of Health may at any time require the permittee to further abate emissions if an inspection indicates poor or insufficient controls.

(Auth.: HAR §11-60.1-3, §11-60.1-5, §11-60.1-82, §11-60.1-90)

**Section C. Monitoring and Recordkeeping Requirements**

1. The Department of Health reserves the right to require monitoring, recordkeeping, or testing of any insignificant activity to determine compliance with the applicable requirements.

(Auth.: HAR §11-60.1-3, §11-60.1-90)

2. All records shall be maintained for at least five (5) years from the date of any required monitoring, recordkeeping, testing, or reporting. These records shall be in a permanent form suitable for inspection and made available to the Department of Health or their authorized representative upon request.

(Auth.: HAR §11-60.1-3, §11-60.1-11, §11-60.1-90)

**Section D. Notification and Reporting**

Compliance Certification.

During the permit term, the permittee shall submit at least **annually** to the Department of Health and U.S. EPA Region 9, Attachment V: Compliance Certification pursuant to HAR, Subsection 11-60.1-86. The permittee shall indicate whether or not compliance is being met with each term or condition of this permit. The compliance certification shall include, at a minimum, the following information:

1. The identification of each term or condition of the permit that is the basis of the certification;
2. The compliance status;
3. Whether compliance was continuous or intermittent;
4. The methods used for determining the compliance status of the source currently and over the reporting period; and
5. Any additional information as required by the Department of Health including information to determine compliance.

**In lieu of addressing each emission unit as specified in Attachment V, the permittee may address insignificant activities as a single unit provided compliance is met with all applicable requirements. If compliance is not totally attained, the permittee shall identify the specific insignificant activity and provide the details associated with the noncompliance.**

The compliance certification shall be submitted **within ninety (90) days after** the end of each calendar year, and shall be signed and dated by a responsible official or authorized representative.

Upon written request of the permittee, the deadline for submitting the compliance certification may be extended, if the Department of Health determines that reasonable justification exists for the extension.

(Auth.: HAR §11-60.1-4, §11-60.1-86, §11-60.1-90)

**Section E. Agency Notification**

Any document (including reports) required to be submitted by this Covered Source Permit shall be done in accordance with Attachment 1, Standard Condition No. 28.

(Auth.: HAR §11-60.1-4, §11-60.1-90)

**ATTACHMENT III: ANNUAL FEE REQUIREMENTS  
TEMPORARY COVERED SOURCE PERMIT NO. 0507-01-CT**

**Issuance Date:**

**Expiration Date:**

The following requirements for the submittal of annual fees are established pursuant to Hawaii Administrative Rules (HAR), Title 11, Chapter 60.1, Air Pollution Control. Should HAR, Chapter 60.1 be revised such that the following requirements are in conflict with the provisions of HAR, Chapter 60.1, the permittee shall comply with the provisions of HAR, Chapter 60.1:

1. Annual fees shall be paid in full:
  - a. Within **sixty (60) days** after the end of each calendar year; and
  - b. Within **thirty (30) days** after the permanent discontinuance of the covered source.
2. The annual fees shall be determined and submitted in accordance with Hawaii Administrative Rules, Chapter 11-60.1, Subchapter 6.
3. The annual emissions data for which the annual fees are based shall accompany the submittal of any annual fees and be submitted on forms furnished by the Department of Health.
4. The annual fees and the emission data shall be mailed to:

**Clean Air Branch  
Environmental Management Division  
Hawaii Department of Health  
P.O. Box 3378  
Honolulu, HI 96801-3378**

**ATTACHMENT IV: ANNUAL EMISSIONS REPORTING REQUIREMENTS  
TEMPORARY COVERED SOURCE PERMIT NO. 0507-01-CT**

**Issuance Date:**

**Expiration Date:**

In accordance with the Hawaii Administrative Rules, Title 11, Chapter 60.1, Air Pollution Control, the permittee shall report to the Department of Health the nature and amounts of emissions.

1. Complete the attached Annual Emissions Report Form “**Portable Crushing and Screening Plants**” and Monitoring/Annual Emissions Report Form “**Operating Hours/Fuel Certification/Equipment Utilization.**”
2. The **annual reporting period** shall be from January 1 to December 31 of each year. All reports shall be submitted to the Department of Health within **sixty (60) days** after the end of each calendar year and shall be mailed to the following address:

**Clean Air Branch  
Environmental Management Division  
Hawaii Department of Health  
P.O. Box 3378  
Honolulu, HI 96801-3378**

3. The permittee shall retain the information submitted, including all emission calculations. These records shall be in a permanent form suitable for inspection, retained for a minimum of five (5) years, and made available to the Department of Health upon request.
4. Any information submitted to the Department of Health without a request for confidentiality shall be considered public record.
5. In accordance with HAR, Section 11-60.1-14, the permittee may request confidential treatment of specific information, including information concerning secret processes or methods of manufacture, by submitting a written request to the Department of Health and clearly identifying the specific information that is to be accorded confidential treatment.

**COMPLIANCE CERTIFICATION FORM**  
**TEMPORARY COVERED SOURCE PERMIT NO. 0507-01-CT**  
**PAGE 1 OF \_\_\_\_**

**Issuance Date:** \_\_\_\_\_

**Expiration Date:** \_\_\_\_\_

In accordance with the Hawaii Administrative Rules, Title 11, Chapter 60.1, Air Pollution Control, the permittee shall report to the Department of Health the following certification at least annually, or more frequently as requested by the Department.

(Make Copies of the Compliance Certification Form for Future Use)

For Period: \_\_\_\_\_ Date: \_\_\_\_\_

Company/Facility Name: \_\_\_\_\_

Responsible Official (Print): \_\_\_\_\_

Title: \_\_\_\_\_

Responsible Official (Signature): \_\_\_\_\_

I certify that I have knowledge of the facts herein set forth, that the same are true, accurate and complete to the best of my knowledge and belief, and that all information not identified by me as confidential in nature shall be treated by Department of Health as public record. I further state that I will assume responsibility for the construction, modification, or operation of the source in accordance with the Hawaii Administrative Rules, Title 11, Chapter 60.1, Air Pollution Control, and any permit issued thereof.

**COMPLIANCE CERTIFICATION FORM  
 TEMPORARY COVERED SOURCE PERMIT NO. 0507-01-CT  
 (CONTINUED, PAGE 2 OF \_\_\_)**

**Issuance Date:**

**Expiration Date:**

The purpose of this form is to evaluate whether or not the facility was in compliance with the permit terms and conditions during the covered period. If there were any deviations to the permit terms and conditions during the covered period, the deviation(s) shall be certified as *intermittent compliance* for the particular permit term(s) or condition(s). Deviations include failure to monitor, record, report, or collect the minimum data required by the permit to show compliance. In the absence of any deviation, the particular permit term(s) or condition(s) may be certified as *continuous compliance*.

**Instructions:**

Please certify Sections A, B, and C below for continuous or intermittent compliance. Sections A and B are to be certified as a group of permit conditions. Section C shall be certified individually for each operational and emissions limit condition as listed in the Special Conditions section of the permit (list all applicable equipment for each condition). Any deviations shall also be listed individually and described in Section D. The facility may substitute its own generated form in verbatim for Sections C and D.

f. **A. Attachment I, Standard Conditions**

<u>Permit term/condition</u>	<u>Equipment(s)</u>	<u>Compliance</u>
All standard conditions	All Equipment(s) listed in the permit	Continuous Intermittent

**B. Special Conditions - Monitoring, Recordkeeping, Reporting, Testing, and INSIG**

<u>Permit term/condition</u>	<u>Equipment(s)</u>	<u>Compliance</u>
All monitoring conditions	All Equipment(s) listed in the permit	Continuous Intermittent
All recordkeeping conditions	All Equipment(s) listed in the permit	Continuous Intermittent
All reporting conditions	All Equipment(s) listed in the permit	Continuous Intermittent
All testing conditions	All Equipment(s) listed in the permit	Continuous Intermittent
All INSIG conditions	All Equipment(s) listed in the permit	Continuous Intermittent

**COMPLIANCE CERTIFICATION FORM  
 TEMPORARY COVERED SOURCE PERMIT NO. 0507-01-CT  
 (CONTINUED, PAGE \_\_\_\_ OF \_\_\_\_)**

**Issuance Date:**

**Expiration Date:**

**C. Special Conditions - Operational and Emissions Limitations**

Each permit term/condition shall be identified in chronological order using attachment and section numbers (e.g., Attachment II, B.1, Attachment IIA, Special Condition No. B.1.f, etc.). Each equipment shall be identified using the description stated in Section A of the Special Conditions (e.g., unit no., model no., serial no., etc.). Check all methods (as required by permit) used to determine the compliance status of the respective permit term/condition.

<u>Permit term/condition</u>	<u>Equipment(s)</u>	<u>Method</u>	<u>Compliance</u>
		monitoring recordkeeping reporting testing none of the above	Continuous Intermittent
		monitoring recordkeeping reporting testing none of the above	Continuous Intermittent
		monitoring recordkeeping reporting testing none of the above	Continuous Intermittent
		monitoring recordkeeping reporting testing none of the above	Continuous Intermittent
		monitoring recordkeeping reporting testing none of the above	Continuous Intermittent
		monitoring recordkeeping reporting testing none of the above	Continuous Intermittent
		monitoring recordkeeping reporting testing none of the above	Continuous Intermittent

**(Make Additional Copies if Needed)**

**COMPLIANCE CERTIFICATION FORM  
 TEMPORARY COVERED SOURCE PERMIT NO. 0507-01-CT  
 (CONTINUED, PAGE \_\_\_ OF \_\_\_)**

**Issuance Date:**

**Expiration Date:**

**D. Deviations**

<u>Permit Term/ Condition</u>	<u>Equipment(s) / Brief Summary of Deviation</u>	<u>Deviation Period time (am/pm) &amp; date (mo/day/yr)</u>	<u>Date of Written Deviation Report to DOH (mo/day/yr)</u>
		Beginning:  Ending:	

**(Make Additional Copies if Needed)**

**ANNUAL EMISSIONS REPORT FORM  
PORTABLE CRUSHING AND SCREENING PLANTS  
TEMPORARY COVERED SOURCE PERMIT NO. 0507-01-CT  
(PAGE 1 OF 2)**

**Issuance Date:** \_\_\_\_\_

**Expiration Date:** \_\_\_\_\_

In accordance with the Hawaii Administrative Rules, Title 11, Chapter 60.1, Air Pollution Control, the permittee shall report to the Department of Health the nature and amounts of emissions.

(Make Copies for Future Use)

For Period: \_\_\_\_\_ Date: \_\_\_\_\_

Company Name: \_\_\_\_\_

Facility Name: \_\_\_\_\_

Equipment Location: \_\_\_\_\_

**I certify that I have knowledge of the facts herein set forth, that the same are true, accurate, and complete to the best of my knowledge and belief, and that all information not identified by me as confidential in nature shall be treated by the Department of Health as public record.**

Responsible Official (PRINT): \_\_\_\_\_

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

Responsible Official (Signature): \_\_\_\_\_

**CHANGE OF LOCATION REQUEST  
FOR A TEMPORARY SOURCE  
TEMPORARY COVERED SOURCE PERMIT NO. 0507-01-CT**

**Issuance Date:**

**Expiration Date:**

In accordance with the Hawaii Administrative Rules, Title 11, Chapter 60.1, Air Pollution Control, the permittee shall provide the following information to the Department of Health:

(Make Copies for Future Use)

1. The permittee shall submit a change of location request for all succeeding location changes. The change of location request shall include the attached Change of Location Request for a Temporary Source Form and the items identified in nos. 2, 3, and 4 below. The change of location request shall be submitted to the Department of Health for approval at least thirty (30) days, or such lesser time as designated and approved by the Department of Health, prior to the change in location.
2. The permittee shall submit a location map of the new temporary location containing the following information:
  - a. Identification of the property boundary, fence lines, and general terrain features (i.e. flat, hilly, steep);
  - b. Location of all structures within 100 meters (330 feet) of the equipment;
  - c. Location of the equipment moving to the new temporary location; and
  - d. Location of other air pollution sources owned and operated by the permittee at the new location, if any.
3. The permittee shall submit a filing fee with each change in location request. The filing fee shall be made payable to the **Clean Air Special Fund-COV** and is as follows:
 

Covered Sources

\_\_\_\_\_ \$100.00 for Non-Air Toxic

\_\_\_\_\_ \$1,000.00 for Air Toxic
4. If requested by the Department of Health, the permittee shall submit any additional information including an ambient air quality impact analysis of the equipment at the new location.
5. This notification form shall be mailed to the following address:

**CLEAN AIR BRANCH  
ENVIRONMENTAL MANAGEMENT DIVISION  
HAWAII DEPARTMENT OF HEALTH  
P.O. Box 3378  
Honolulu, HI 96801-3378  
(808) 586-4200**

- 
1. Prior to any relocation, the Department of Health shall approve, conditionally approve, or deny in writing each location change. If the Department of Health denies a location change, the applicant may appeal the decision pursuant to HRS, Chapter 91.
  2. At each new authorized location, the permittee shall operate in accordance with the current Temporary Covered Source Permit and all applicable requirements.

**CHANGE OF LOCATION REQUEST  
FOR A TEMPORARY SOURCE  
TEMPORARY COVERED SOURCE PERMIT NO. 0507-01-CT  
(PAGE 1 OF 2)**

**Issuance Date:** \_\_\_\_\_ **Expiration Date:** \_\_\_\_\_

- 1. Company Name: \_\_\_\_\_
- 2. Mailing Address: \_\_\_\_\_  
 City: \_\_\_\_\_ State: \_\_\_\_\_ Zip Code: \_\_\_\_\_  
 Phone Number: \_\_\_\_\_
- 3. Name of Owner/Owner's Agent: \_\_\_\_\_  
 Title: \_\_\_\_\_ Phone Number: \_\_\_\_\_
- 4. Equipment Description (identify each equipment to be relocated): \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

5. Current Location of Equipment: \_\_\_\_\_

**6. New Location Information**

- a. Street Address: \_\_\_\_\_
- b. City: \_\_\_\_\_ Zip Code: \_\_\_\_\_ Island: \_\_\_\_\_
- c. For sites with no street address, provide:  
 Description of location: \_\_\_\_\_  
 or, Tax map key: \_\_\_\_\_
- d. Plant manger/contact: \_\_\_\_\_ Phone: \_\_\_\_\_
- e. Proposed start date at new location: \_\_\_\_\_
- f. Estimated project duration at new location: \_\_\_\_\_
- g. Describe general terrain features (e.g. flat, hilly, steep, etc.): \_\_\_\_\_  
 Approximate Slope (%): \_\_\_\_\_ Direction of increasing slope: \_\_\_\_\_
- h. List structures within **100 meters (330 feet)** of the equipment and which have heights greater than 40% of the equipment stack height. In the following table, provide the height, length, width, and distance to the equipment stack at the new site. If there are no applicable structures, specify "none."

Structure	Distance from Stack (ft)	Height (ft)	Length (ft)	Width (ft)

**CHANGE OF LOCATION REQUEST  
FOR A TEMPORARY SOURCE  
TEMPORARY COVERED SOURCE PERMIT NO. 0507-01-CT  
(PAGE 2 OF 2)**

**Issuance Date:** \_\_\_\_\_

**Expiration Date:** \_\_\_\_\_

- i. Brief description of the work to be performed: \_\_\_\_\_  
\_\_\_\_\_
- j. Identify other air pollution sources owned and operated by the permittee at the new location, if any: \_\_\_\_\_  
\_\_\_\_\_
- k. Provide estimated distances to the nearest residence and/or occupied establishments (e.g. schools, businesses, etc.):

Distance	Identify if residence, school, business, etc.

**I certify that I have knowledge of the facts herein set forth, that the same are true, accurate and complete to the best of my knowledge and belief, and that all information not identified by me as confidential in nature shall be treated by the Department of Health as public record. I further state that no modifications will be made to the equipment and operational methods will remain similar as permitted under the current temporary covered source permit at this new location.**

Responsible Official (Print name): \_\_\_\_\_ Date: \_\_\_\_\_

Title of Responsible Official: \_\_\_\_\_

Responsible Official (Signature): \_\_\_\_\_

**ANNUAL EMISSIONS REPORT FORM  
PORTABLE CRUSHING AND SCREENING PLANTS  
TEMPORARY COVERED SOURCE PERMIT NO. 0507-01-CT  
(CONTINUED, PAGE 2 OF 2)**

**Issuance Date:** \_\_\_\_\_

**Expiration Date:** \_\_\_\_\_

In accordance with the Hawaii Administrative Rules, Title 11, Chapter 60.1, Air Pollution Control, the permittee shall report to the Department of Health the nature and amounts of emissions.

Equipment Description: \_\_\_\_\_  
(Provide TPH, Rated-Capacity for Primary Crusher OR Crushing/Screening Rate of the Plant)

Serial/ID No.: \_\_\_\_\_

Equipment Description: \_\_\_\_\_

Serial/ID No.: \_\_\_\_\_

Equipment Description: \_\_\_\_\_

Serial/ID No.: \_\_\_\_\_

Equipment Description: \_\_\_\_\_

Serial/ID No.: \_\_\_\_\_

Type of Operation (Each plant includes their respective conveyors)	Maximum Tons/hour of Material Entering (Tons/hr)	Materials Processed: Type (soil, cinder, gravel, etc.) and Amount (Tons/yr)	Air Pollution Control Measures in Use	Control Efficiency (% Reduction)
Metro Trak Crushing Plant				
Mk II Powerscreen Plant				
Turbo Chieftain 1400, SN 6612673				
4242 SR Tracked Impactor w/Screen				
Truck Unloading	NA			
Truck Loading	NA			
Conveyor Transfer (other)				
Stockpiles	NA			

Note: Control measures include water sprays, housing and duct work to baghouses.

Use the following Control Efficiencies, unless documentation is available to show otherwise:

Water sprays, or Shroud: 70%      Subsequent transfer points of water sprayed material: 70-(5\*n)%

Efficiency factors may be reduced by the Department of Health, if there are any indications that a source's air pollution control device is not operating at the specified efficiency.

**MONITORING/ANNUAL EMISSIONS REPORT FORM  
OPERATING HOURS/FUEL CERTIFICATION/EQUIPMENT UTILIZATION  
TEMPORARY COVERED SOURCE PERMIT NO. 0507-01-CT  
(PAGE 1 OF 5)**

**Issuance Date:** \_\_\_\_\_

**Expiration Date:** \_\_\_\_\_

In accordance with the Hawaii Administrative Rules, Title 11, Chapter 60.1, Air Pollution Control, the permittee shall report to the Department of Health the following information semi-annually:

(Make Copies for Additional Use)

For Period: \_\_\_\_\_ Date: \_\_\_\_\_

Company Name: \_\_\_\_\_

Facility Name: \_\_\_\_\_

Equipment Location: \_\_\_\_\_

**I certify that I have knowledge of the facts herein set forth, that the same are true, accurate, and complete to the best of my knowledge and belief, and that all information not identified by me as confidential in nature shall be treated by the Department of Health as public record.**

Responsible Official (PRINT): \_\_\_\_\_

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

Responsible Official (Signature): \_\_\_\_\_

**1. Operating Hours**

- a. 195 TPH BL-Pegson Jaw Crusher, model Metro Trak, serial no. QM10381 with Caterpillar 160 HP diesel engine, model 3116TA, serial no. 2MR01700;

Month	Monthly Operating Hours	Total Operating Hours on a 12-Month Rolling Basis	Notes (i.e., start/end meter readings)
January			
February			
March			
April			
May			
June			
July			
August			
September			
October			
November			
December			

**MONITORING/ANNUAL EMISSIONS REPORT FORM  
 OPERATING HOURS/FUEL CERTIFICATION/EQUIPMENT UTILIZATION  
 TEMPORARY COVERED SOURCE PERMIT NO. 0507-01-CT  
 (CONTINUED, PAGE 2 OF 5)**

**Issuance Date:**

**Expiration Date:**

b. Powerscreen, model Mk II, serial no. 2818038;

Month	Monthly Operating Hours	Total Operating Hours on a 12-Month Rolling Basis	Notes (i.e., start/end meter readings)
January			
February			
March			
April			
May			
June			
July			
August			
September			
October			
November			
December			

c. 400 TPH BL-Pegson Tracked Impactor with Sizing Screen, model 4242 SR, serial no. QM017963 with Caterpillar 300 HP diesel engine, model C-9 DITA, serial no. CLJ03612;

Month	Monthly Operating Hours	Total Operating Hours on a 12-Month Rolling Basis	Notes (i.e., start/end meter readings)
January			
February			
March			
April			
May			
June			
July			
August			
September			
October			
November			
December			

**MONITORING/ANNUAL EMISSIONS REPORT FORM  
OPERATING HOURS/FUEL CERTIFICATION/EQUIPMENT UTILIZATION  
TEMPORARY COVERED SOURCE PERMIT NO. 0507-01-CT  
(CONTINUED, PAGE 3 OF 5)**

**Issuance Date:**

**Expiration Date:**

- d. Powerscreen; Turbo Chieftain 1400, serial no. 6612673;

Month	Monthly Operating Hours	Total Operating Hours on a 12-Month Rolling Basis	Notes (i.e., start/end meter readings)
January			
February			
March			
April			
May			
June			
July			
August			
September			
October			
November			
December			

**2. Diesel Engines - Fuel Certification for the Reporting Period:**

Report the type(s) of fuel and maximum percent sulfur by weight of the fuel fired in the diesel engines covered by this permit for the reporting period. Report the fuel usage in gallons per year of each type of fuel fired in the diesel engines for the 2<sup>nd</sup> semi-annual reporting period (calendar year).

Equipment Description	Type of Fuel Fired during Reporting Period	% Sulfur Content by Weight	Identify % Nitrogen, % Ash, & % Lead, if applicable	Fuel Usage, Gallons per Year (reported in 2 <sup>nd</sup> semi-annual reporting period - for the calendar year)
Caterpillar 160 HP diesel engine, Model 3116TA, Serial No. 2MR01700				
Caterpillar 300 HP diesel engine, Model C-9 DITA, Serial No. CLJ03612				

Note: If not already on file at the Department of Health, provide the supplier's fuel specification sheet for the type(s) of fuel indicated in the above table. The fuel specification sheet shall indicate the % sulfur content by weight.

Types of Fuel:

- Residual Oil: Specify Grade, No. 6, 5, or 4;
- Distillate Oil (No. 2);
- Liquefied Petroleum Gas, Butane or Propane;
- If Other, specify.

<b>MONITORING/ANNUAL EMISSIONS REPORT FORM          OPERATING HOURS/FUEL CERTIFICATION/EQUIPMENT UTILIZATION          TEMPORARY COVERED SOURCE PERMIT NO. 0507-01-CT          (CONTINUED, PAGE 4 OF 5)</b>	
<b>Issuance Date:</b>	<b>Expiration Date:</b>

3. Combined Operations of the 300 HP and 160 HP Diesel Engines.

Indicate in the table below, each time the 300 HP Caterpillar diesel engine (powering the 400 TPH Tracked Impactor crushing plant) was operated with the 160 HP diesel engine (powering the 195 TPH Metro Trak crushing plant) without prior written Department of Health approval.

Date(s) of Combined Operations		Location of Combined Operations	Total Hours of Combined Operations	Specify Equipment Operated during the Combined Operations	Reason for the Combined Operations of the Diesel Engines (Exceeding Special Condition No. C.4.d.)
From	To				

**Please indicate in the table above if the diesel engines did not operate at the same location or if DOH approval was obtained prior to combined operations.**

**MONITORING/ANNUAL EMISSIONS REPORT FORM  
OPERATING HOURS/FUEL CERTIFICATION/EQUIPMENT UTILIZATION  
TEMPORARY COVERED SOURCE PERMIT NO. 0507-01-CT  
(CONTINUED, PAGE 5 OF 5)**

**Issuance Date:**

**Expiration Date:**

4. NSPS Applicability to Screening Plants.

Pursuant to Special Condition No. B.1 and B.2., *should any one of the screening plants be used in conjunction with a portable crushing plant, the screening plant(s) shall be subject to NSPS Subpart A and OOO.*

*The permittee shall comply with all of the applicable provisions of these standards, including all emission limits, notification, testing, monitoring and reporting requirements of these federal regulations.*

**For each time a screening plant operated in conjunction with a crushing plant**, identify in the table below: the screening plant and crushing plant that operated in conjunction with each other; any other equipment operated with the crushing and screening plants; the date(s) of operation; and the location.

Screening Plant (Make, Model, Size, & Serial No.)	Crushing Plant and Other Equipment Operated in Conjunction with Screening Plant	Date(s) of Operation		Location of Operation
		From	To	

For each screening plant, indicate in the table above if there were no operations involving the screening plant in conjunction with a crushing plant during the reporting period.

*Note: Fill out for screening plants identified in Section A, Equipment Description only (i.e., Mk II Powerscreen and Turbo Chieftain 1400). The screen contained as part of the 4242 SR Tracked Impactor with Sizing Screen unit always operates with its crusher and is not identified as a Screening Plant (see Section A, Equipment Description). As such, this screen is always subject to NSPS Subpart A and OOO.*



**VISIBLE EMISSIONS OBSERVATION FORM REQUIREMENTS  
STATE OF HAWAII  
TEMPORARY COVERED SOURCE PERMIT NO. 0507-01-CT**

**Issuance Date:**

**Expiration Date:**

The following Visible Emissions (V.E.) Observation Forms shall be completed **monthly** (*each calendar month*) for each equipment subject to opacity limits in accordance with Method 9 or by use of a Ringelmann's Chart as provided. The permittee shall also identify and certify screening plants that were not utilized in conjunction with a crushing plant on the **monthly** V.E. Observation Forms. At least **annually** (*calendar year*), V.E. observation shall be conducted for each equipment subject to opacity limits by a certified reader in accordance with Method 9. The V.E. observation forms shall be completed as follows:

1. Visible emissions observations shall take place during the day only and shall be compared to the Ringelmann's Chart provided. The opacity shall be noted in 5 percent increments (i.e., 25%).
2. Orient the sun within a 140 degree sector to your back. Provide a source layout sketch on the V.E. Form using the symbols as shown.
3. Stand at least three (3) stack/emission point heights, but not more than a quarter mile from the stack/emission point.
4. Two (2) consecutive six (6) minute observations shall be taken at fifteen (15) second intervals for each stack/emission point.
5. The six (6) minute average opacity reading shall be calculated for each observation.
6. If possible, the observations shall be performed as follows:
  - a. Read from where the line of sight is at right angles to the wind direction.
  - b. The line of sight shall not include more than one (1) plume at a time.
  - c. Read at the point in the plume with the greatest opacity (e.g., for stacks, at the location without condensed water vapor, ideally while the plume is no wider than the stack diameter).
  - d. Read the plume at fifteen (15) second intervals only. Do not read continuously.
  - e. The plant/equipment shall be observed at the maximum permitted or expected operating capacity.
7. If the plant/equipment was shut-down for that period, briefly explain the reason for shut-down in the comment column.

The permittee shall retain the completed V.E. observation forms for recordkeeping. These records shall be in a permanent form suitable for inspection, retained for a minimum of five (5) years, and made available to the Department of Health, or their representative upon request.

Any required initial and annual performance test performed in accordance with Method 9 by a certified reader shall satisfy the respective V.E. monitoring requirements for the month the performance test is performed.

**VISIBLE EMISSIONS OBSERVATION FORM  
DIESEL ENGINE  
TEMPORARY COVERED SOURCE PERMIT NO. 0507-01-CT**

**Issuance Date:** \_\_\_\_\_ **Expiration Date:** \_\_\_\_\_

(Make Copies for Additional Use)

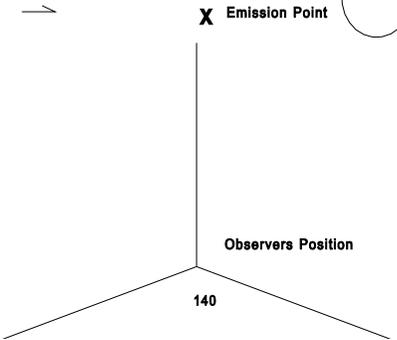
Company Name: \_\_\_\_\_  
Equipment and Fuel: \_\_\_\_\_



Draw North Arrow



**Site Conditions:**  
Stack height above ground (ft): \_\_\_\_\_  
Stack distance from observer (ft): \_\_\_\_\_  
Emission color (black or white): \_\_\_\_\_  
Sky conditions (% cloud cover): \_\_\_\_\_  
Wind speed (mph): \_\_\_\_\_  
Temperature (°F): \_\_\_\_\_  
Observer Name: \_\_\_\_\_  
Certified? (Yes/No): \_\_\_\_\_



Observation Date and Start Time: \_\_\_\_\_

MINUTES	SECONDS:	0	15	30	45	COMMENTS
	1					
	2					
	3					
	4					
	5					
	6					
Six (6) Minute Average Opacity Reading (%):						

Observation Date and Start Time: \_\_\_\_\_

MINUTES	SECONDS:	0	15	30	45	COMMENTS
	1					
	2					
	3					
	4					
	5					
	6					
Six (6) Minute Average Opacity Reading (%):						

**VISIBLE EMISSIONS OBSERVATION FORM  
PORTABLE CRUSHING AND SCREENING PLANT  
TEMPORARY COVERED SOURCE PERMIT NO. 0507-01-CT**

**Issuance Date:** \_\_\_\_\_

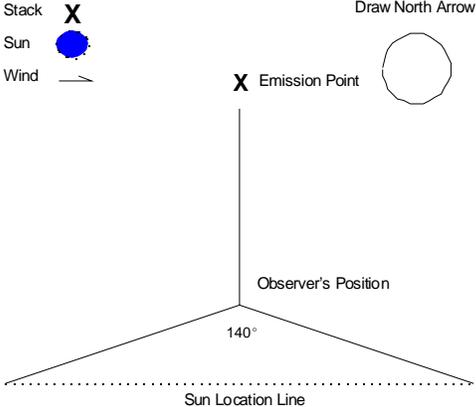
**Expiration Date:** \_\_\_\_\_

(Make Copies for Additional Use)

Company Name: \_\_\_\_\_  
Fugitive Emission point description: \_\_\_\_\_

**Site Conditions:**

Emission Pt. height above ground (ft): \_\_\_\_\_  
Emission Pt. distance from observer (ft): \_\_\_\_\_  
Emission color (black or white): \_\_\_\_\_  
Sky conditions (% cloud cover): \_\_\_\_\_  
Wind speed (mph): \_\_\_\_\_  
Temperature (°F): \_\_\_\_\_  
Observer Name: \_\_\_\_\_  
Certified? (Yes/No): \_\_\_\_\_



Observation Date and Start Time: \_\_\_\_\_

MINUTES	SECONDS:	0	15	30	45	COMMENTS
	1					
2						
3						
4						
5						
6						
Six (6) Minute Average Opacity Reading (%):						

Observation Date and Start Time: \_\_\_\_\_

MINUTES	SECONDS:	0	15	30	45	COMMENTS
	1					
2						
3						
4						
5						
6						
Six (6) Minute Average Opacity Reading (%):						

**VISIBLE EMISSIONS OBSERVATION FORM  
SCREENING PLANT(S) NOT UTILIZED  
IN CONJUNCTION WITH A CRUSHING PLANT  
TEMPORARY COVERED SOURCE PERMIT NO. 0507-01-CT**

**Issuance Date:**

**Expiration Date:**

(Make Copies for Additional Use)

Per Special Condition No. D.5.f., monthly V.E. records shall identify the **screening plant(s) that were not utilized in conjunction with a crushing plant for that month.**

In accordance with Special Condition No. D.5.f., complete the table below:

The following screening plant(s) were not utilized in conjunction with a crushing plant at any time during the month of: \_\_\_\_\_ (fill in month and year):

Screening Plant (Make, Model, Size, & Serial No.)	Recorder's Name	Recorder's Initials	Date

*Note: If a screening plant is utilized in conjunction with a crushing plant at any time during the month, V.E. observations shall be performed for that screening plant for that month. Observations shall be performed and recorded, as specified in Special Condition No. D.3.*