

**PROPOSED**

[Issuance Date]

**CERTIFIED MAIL**  
**RETURN RECEIPT REQUESTED**

04-XXXE CAB  
File No. 0219-01

Mr. Jerry Egami  
Senior Vice President  
Isemoto Contracting Company, Ltd.  
74-5039 B Queen Kaahumanu Highway  
Kailua-Kona, Hawaii 96740

Dear Mr. Egami:

**Subject: Temporary Covered Source Permit (CSP) No. 0219-01-CT**  
**Application for a Renewal and Significant Modification File No. 0219-04**  
**Isemoto Contracting Company, Limited**  
**Two (2) 357 TPH Portable Stone Processing Plants with**  
**One (1) 250 HP Diesel Engine, One (1) 125 TPH Portable Stone**  
**Processing Plant, and One (1) 400 kW Diesel Engine Generator,**  
**One (1) 500 kW Diesel Engine Generator, and One (1) 725 kW Diesel**  
**Engine Generator**  
**Located at: Various Temporary Sites, State of Hawaii**  
**Initial Location of New 125 TPH Stone Processing Plant and 725 kW Diesel**  
**Engine Generator: Kukio Project, North Kona, Hawaii**  
**Date of Expiration: [Five Year Period from Issuance Date]**

The subject Temporary Covered Source Permit is issued and amended in accordance with Hawaii Administrative Rules, Title 11, Chapter 60.1. This permit allows the continued operation of the two existing 357 TPH stone processing plants, 250 HP diesel engine, 400 kW diesel engine generator, and 500 kW diesel engine generator. The permit has also been amended to allow the addition of a 125 TPH crushing and screening plant and a 725 kW diesel engine generator. The new plant and diesel engine generator may be operated with the equipment currently allowed at each temporary location serving as the tertiary crushing and secondary screening portions of the plant, or as a stand alone plant. Each temporary location will be limited to a production of 999,600 tons per rolling twelve (12) month period. The new diesel engine generator will be restricted to 2,800 hours of operation per any rolling twelve-month period (the same amount of operating hours allowed for the existing engine and diesel engine generators).

Changes were also made to update the permit condition language and/or to clarify existing conditions and Attachment II-insig: Special Conditions - Insignificant Activities was added to reflect the latest Hawaii Administrative Rule changes regarding insignificant activities.

This Covered Source Permit supersedes CSP No. 0219-01-CT, issued on October 18, 1999, and amended on May 3, 2001, and September 10, 2001, in its entirety.

The issuance of this permit amendment is based on the plans, specifications, and information you submitted as part of your application received October 2, 2003 and additional information received on November 25, 2003, February 13, 2004, and March 18, 23, and 25, 2004.

The Covered Source Permit renewal/modification is issued subject to the conditions/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
- Attachment V: Compliance Certification

The forms for submission are as follows:

- Change of Location Request for a Temporary Source
- Annual Emissions Report Form: Stone Processing Plants
- Monitoring/Annual Emissions Report Form: Operating Hours/Fuel Certification/  
Equipment Utilization
- Monitoring Report Form: Production Per Site
- Monitoring Report Form: Visible Emissions

Visible Emissions Observation Form Requirements with the following enclosures:

- a. Visible Emissions Observation Form - Diesel Engine and Diesel Engine Generators
- b. Visible Emissions Observation Form - Portable Stone Processing Plants
- c. 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

MR:lk  
Enclosures

- c: CAB Monitoring Section
- CAB Enforcement Section

**PROPOSED**

**ATTACHMENT I: STANDARD CONDITIONS  
TEMPORARY COVERED SOURCE PERMIT NO. 0219-01-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 wilfully 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 Regional Administrator for the U.S. Environmental Protection Agency (EPA).

(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 in writing of the following dates:
- 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;
  - The **actual date of construction commencement** within fifteen (15) days after such date; and
  - 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 Administrator 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:
- Identification of the specific equipment to be taken out of service, as well as its location and permit number;
  - The expected length of time that the air pollution control equipment will be out of service;
  - The nature and quantity of emissions of air pollutants likely to be emitted during the shutdown period;
  - Measures such as the use of off-shift labor and equipment that will be taken to minimize the length of the shutdown period; and
  - 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 each 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. A copy of applicable correspondence or records submitted to the Department of Health shall be provided to the U.S. EPA Administrator.

(Auth.: HAR §11-60.1-90)

19. 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)

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

- a. Construction shall be commenced within eighteen (18) months after the permit takes effect, shall not be discontinued for a period of eighteen (18) months or more, and shall be 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)

21. The Department of Health may extend the time periods specified in Standard Condition No. 20 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)

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

(Auth.: HAR §11-60.1-90)

23. All certifications shall be in accordance with HAR, Section 11-60.1-4.

(Auth.: HAR §11-60.1-4, §11-60.1-90)

24. 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 assure compliance with this permit or applicable requirements of HAR, Chapter 11-60.1.

(Auth.: HAR §11-60.1-11, §11-60.1-90)

25. 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>

26. Each permit renewal application shall be submitted to the Department of Health no less than twelve (12) months and no more than eighteen (18) months prior to the permit expiration date. The Department of Health may allow a permit renewal application to be submitted no less than six (6) months prior to the permit expiration date, if the Department of Health determines that there is reasonable justification.

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

27. 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)

28. 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 Regional Administrator once per year, or more frequently as set by any applicable requirement.

(Auth.: HAR §11-60.1-90)

29. **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  
State of Hawaii Department of Health  
P.O. Box 3378  
Honolulu, HI 96801-3378

**CSP No. 0219-01-CT**  
**Attachment I**  
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**[Issuance Date]**  
**[Expiration Date]**

**PROPOSED**

**Upon request, 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)

30. 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 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. 0219-01-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:

Plant A - 357 TPH Stone Processing Plant:

- a. One (1) 357 TPH Jaw Crusher, Pioneer, model 3042, ID no. UH-3942;
- b. One (1) 430 TPH Grizzly Feeder, Minyu, model 46" x 16", ID no. 40-016;
- c. One (1) 415 TPH Cone Crusher with Triple Deck Screen (70 ½" x 48"), Pioneer, model PH44S, ID no. 401605;

Plant B - 357 TPH Stone Processing Plant:

- d. One (1) 357 TPH Jaw Crusher with Grizzly Feeder, Pioneer, model 3042 JVDH-D2853, ID no. 2046-00 with
  - i. One (1) 250 HP Caterpillar Diesel Engine, model 3306, ID no. 64Z30601;
- e. One (1) 415 TPH Cone Crusher with Triple Deck Screen (75" x 48"), Pioneer, model 44616F3CC-D3198, ID no. 10169;

125 TPH Stone Processing Plant:

- f. One (1) Thunderbird II Portable Belt Feeder, model 3613BFHP-D3946, ID no. 2201-03;
- g. One (1) 384 TPH Thunderbird II Triple Deck Screen, 5' x 16', model 5163-F3-O-D1917, ID no. 2203-03;
- h. One (1) 125 TPH Vertical Shaft Impact Crusher, model 65 VSI, ID no. 06514603;

Diesel Engine Generators:

- i. One (1) 400 kW Detroit Diesel Engine Generator, model 8V92T, ID no. 80837416;
- j. One (1) 500 kW Caterpillar Diesel Engine Generator, model 3412-DITT, ID no. 81Z4731;
- k. One (1) 725 kW Caterpillar Diesel Engine Generator, model 3412, ID no. 7AJ01655;

Equipment in both the 357 TPH and 125 TPH Stone Processing Plants:

- l. Various conveyors; and
- m. Water spray systems.

(Auth.: HAR §11-60.1-3)

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

(Auth.: HAR §11-60.1-5, §11-60.1-90)

**Section B. Applicable Federal Regulations**

1. The equipment contained in each 357 TPH portable stone processing plant and the 125 TPH portable stone processing 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.

(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. Process Limitations

The permittee shall not operate more than three (3) temporary stone processing plants simultaneously within the State of Hawaii at any time. Each temporary stone processing plant shall not operate at or adjacent to another temporary stone processing plant owned or operated by the permittee unless an ambient air quality impact assessment for the proposed location is submitted to and approved by the Department of Health.

(Auth.: HAR §11-60.1-5, §11-60.1-90)

## 2. Limiting Configurations

For each temporary stone processing plant location, the maximum amount of equipment shall be as follows:

- a. One (1) Grizzly Feeder;
- b. One (1) Jaw Crusher;
- c. One (1) Cone Crusher with Triple Deck Screen (75" x 48" or 70 ½" x 48");
- d. One (1) Portable Belt Feeder;
- e. One (1) Vertical Shaft Impact Crusher;
- f. One (1) 5' x 16' Triple Deck Screen;
- g. One (1) 250 HP Diesel Engine;
- h. Two (2) Diesel Engine Generators (400 kW and 500 kW or 400 kW and 725 kW or 500 kW and 725 kW)
- i. Various conveyors; and
- j. Various water sprays.

The permittee may also operate in configurations where less equipment than that specified above is used at a site. At no time shall all three (3) diesel engine generators operate simultaneously at a temporary stone processing plant.

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

## 3. Crushing and Screening Operations

- a. At each temporary stone processing plant location, the total amount of material processed shall not exceed 999,600 tons per rolling twelve (12) month period.

(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.

(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 with all incoming materials being processed through a primary jaw crusher or through the portable belt feeder, 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 installed, maintained, and utilized as needed during operation of the plant to minimize fugitive dust at the following material drop off points:
- i. At each primary jaw crusher to conveyor (both 357 TPH stone processing plants);
  - ii. From each screen feed conveyor to screen (both 357 TPH stone processing plants);
  - iii. From each screen to stacking conveyor (both 357 TPH stone processing plants);
  - iv. At the portable belt feeder (125 TPH stone processing plant); and
  - v. At each conveyor discharge to stockpile transfer point (all stone processing plants).

In addition, the permittee shall adequately dampen material prior and subsequent to crushing and screening operations to minimize fugitive dust. The Department of Health at any time may require additional water sprays, manual water spraying, and/or enclosures 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 stone processing plants shall not be operated if observation, or the routine inspection required in Special Condition D.3.b. indicates a significant change in 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 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)

#### 4. Diesel Engines and Diesel Engine Generators

##### a. Hours of Operation

- i. The total operating hours of the 250 HP diesel engine shall not exceed 2,800 hours of operation in any rolling twelve (12) month period.
- ii. The total operating hours of each diesel engine generator shall not exceed 2,800 hours of operation in any rolling twelve (12) month period.

(Auth.: HAR §11-60.1-3, §11-60.1-90)

- b. The 250 HP diesel engine, 400 kW diesel engine generator, 500 kW diesel engine generator, and 725 kW diesel engine generator 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)

- c. For any six (6) minute averaging period, each diesel engine and diesel engine generator shall not exhibit visible emissions of twenty (20) percent or greater, except as follows: during start-up, shutdown, or equipment breakdown, each diesel engine and diesel engine generator 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)

5. Maintenance

The portable stone processing plants, including the water spray systems, diesel engine, and diesel engine generators 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)

6. 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)

- d. The permittee shall submit to the Department of Health an ambient air quality impact assessment if the proposed location is situated:

- i. At or adjacent to a current temporary stone processing plant owned or operated by the permittee; or
- ii. At or adjacent to a previous temporary stone processing plant owned or operated by the permittee, where the total combined operating hours of the previous and proposed diesel engine generators exceeds 5,600 hours on a rolling 12-month basis; or
- iii. Such that the Department of Health determines that an ambient air quality impact assessment is necessary.

The permittee shall not operate each temporary stone processing plant until the Department of Health has reviewed and approved the ambient air quality impact assessment.

(Auth.: HAR §11-60.1-81)

**Section D. Monitoring and Recordkeeping Requirements**

All records, including support information, shall be 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. Production Limit

The permittee shall maintain daily records on the amount of material processed at each temporary location. Monthly operational summaries shall include the total amount of material processed on a monthly basis, and the total amount of material processed based on a twelve (12) month rolling basis for each location. The permittee shall collect and maintain production report print-outs/receipts to provide supportive information to substantiate daily and monthly production rates at each location.

(Auth.: HAR §11-60.1-3, §11-60.1-90)

2. Operating Hour Limitation

The permittee shall install, operate, and maintain a non-resetting hour meter on the 250 HP diesel engine and on each of the diesel engine generators (400 kW, 500 kW, and 725 kW) for the continuous and permanent recording of the number of hours operated by the diesel engine and each diesel engine generator for the purpose of the hourly limitation specified in this Attachment, Special Condition No. C.4.a.

(Auth.: HAR §11-60.1-3, §11-60.1-90)

3. Water Spray System

- a. A non-resetting water meter shall be installed, operated and maintained to measure and record the total gallons of water utilized in the water spray system for each temporary stone processing plant.
- b. The water spray system, to include the water pump, piping system, spray nozzles and any gauges (i.e., water 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)

4. Visible Emissions (V.E.)

- a. Except in those months where V.E. observations are conducted pursuant to Special Condition No. D.4.c., the permittee shall conduct **monthly** (calendar month) V.E. observations for the diesel engine and diesel engine generators in accordance with 40 CFR Part 60, Appendix A, Method 9 or by use of a Ringelmann Chart as provided. For each month, 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. 5. below, the permittee shall conduct **monthly** (*calendar month*) V.E. observations for each stone processing plant. 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 stone processing plants, if it can be demonstrated that operations have been in compliance with the permit. At a minimum, at least three emission points from each stone processing plant shall be observed each month. The selected points for each plant shall include a crusher, screen, and one 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 engine and each diesel engine generator 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 engine and diesel engine generators. 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)

5. Performance Test

Initial and annual source performance tests shall be conducted on the stone processing plants 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)

6. Records

The permittee shall maintain records on the following:

- a. For each location, the total tons of material processed by each stone processing plant on a monthly and twelve (12) month rolling basis, for purposes of the production limitation specified in this Attachment, Special Condition No. C.3.a. and for annual emissions reporting. Records shall include:
- i. Start and end dates the plants are operated at each location;
  - ii. The type (e.g., soil, cinder, gravel, etc.) and the total amount of material (tons) processed at each location.
- b. The number of hours the 250 HP diesel engine and each diesel engine generator (400 kW, 500 kW, and 725 kW) operated on a monthly and 12-month rolling basis for purposes of the hour limitations specified in Special Condition No. C.4.a. For each engine, monthly records shall include:
- i. Date of meter reading;
  - ii. Identification of engine;
  - 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 the maximum amount of equipment at a location as specified in Special Condition No. C.2. was exceeded. Records for these instances shall include:
  - i. The date(s) of operation;
  - ii. The location;
  - iii. The total amount of hours operated;
  - iv. The type and amount (tons) of material processed;
  - v. The equipment used; and
  - vi. The reason for exceeding the maximum amount of equipment at a location as specified in Special Condition No. C.2.
- d. 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 engine and diesel engine generators. 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 and diesel engine generator shall be maintained on an annual basis.
- e. Monthly and annual V.E. records with observation monitoring results of the stone processing plants, diesel engine, and diesel engine generators in accordance with the **"Visible Emissions Observation Form Requirements."**
- f. Source performance test plans, summaries, and results for the portable stone processing plants.
- g. 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, diesel engine, and diesel engine generators, 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 Condition Nos. 14, 16, 17 and 25, respectively:
  - a. *Anticipated date of initial start-up, actual date of construction commencement, and actual date of start-up of the 125 TPH stone processing plant and 725 kW diesel engine generator;*
  - b. *Intent to shut down air pollution control equipment for necessary scheduled maintenance;*
  - c. *Emissions of air pollutants in violation of HAR, Chapter 11-60.1 or this permit (excluding technology-based emission exceedences due to emergencies); and*
  - d. *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 amount of material processed by each stone processing plant on a monthly and 12-month rolling basis for each temporary location.
- b. Identification of the type of fuel fired in the diesel engine and each diesel engine generator during the respective reporting period. Include the maximum sulfur content (% by weight) of the fuel.
- c. The total individual operating hours of each diesel engine and diesel engine generator on a monthly and twelve (12) month rolling basis.
- d. Identification of all instances where the maximum amount of equipment at a location as specified in Special Condition No. C.2. was exceeded.
- e. Identification of any opacity exceedances as determined by the required V.E. monitoring of the portable stone processing plants, diesel engine, and diesel engine generators. Each exceedance reported shall include the date, six (6) minute average opacity reading, possible reason for exceedance, 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 engine, diesel engine generators, and portable stone processing plants.

The enclosed **Monitoring/Annual Emissions Report Form: "Operating Hours/Fuel Certification/Equipment Utilization"**, and **Monitoring Report Forms: "Production Per Site" and "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 - "Stone Processing Plants,"** shall be used. For the diesel engine and diesel engine generators, 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. **Within sixty (60) days after achieving the maximum production rate of the 125 TPH stone processing plant but not later than one hundred eighty (180) days after initial start-up**, and **annually** thereafter, the permittee shall conduct or cause to be conducted performance tests on the 125 TPH portable stone processing plant to determine the opacity of emissions.

**Annual** performance tests shall be conducted on the **357 TPH stone processing plants** to determine the opacity of emissions. 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. a. The performance tests for the portable stone processing 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.3.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.3.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 Condition Nos. C.3.b and C.3.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. 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 stone processing plants. 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. **At least thirty (30) days prior to conducting the performance test** for the portable stone processing 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. 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. **Within sixty (60) days after completion of the performance test** for the portable stone processing 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 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 flow rate (gal/min) of the water spray system shall be determined by the water 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. 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)

**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 325 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 and description of the plant configuration;
  - 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 and maximum amount of material to be processed at that location;
  - 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 total combined operating hours of the previous and proposed diesel engine generators at that location and the amount of material previously processed at that location;
  - 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 29.

(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. 0219-01-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)

ATTACHMENT II - INSIG: SPECIAL CONDITIONS  
TEMPORARY COVERED SOURCE PERMIT NO. 0219-01-CT  
INSIGNIFICANT ACTIVITIES  
(CONTINUED, PAGE 2 OF 2)

[Issuance Date]

[Expiration Date]

**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:

- 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; and
- e. 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 I, Standard Condition No. 29.

(Auth.: HAR §11-60.1-4, §11-60.1-90)

## PROPOSED

### ATTACHMENT III: ANNUAL FEE REQUIREMENTS TEMPORARY COVERED SOURCE PERMIT NO. 0219-01-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**

**PROPOSED**

**ATTACHMENT IV: ANNUAL EMISSIONS REPORTING REQUIREMENTS  
TEMPORARY COVERED SOURCE PERMIT NO. 0219-01-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 “**Stone Processing 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.

**ATTACHMENT V: COMPLIANCE CERTIFICATION  
TEMPORARY COVERED SOURCE PERMIT NO. 0219-01-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 following certification at least annually, or more frequently as set by an applicable requirement:

(Make Copies for Future Use)

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

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

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.

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

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

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

Complete the following information for **each** applicable requirement and/or term or condition of the permit that applies to **each** emissions unit at the source. Also include any additional information as required by the director. The compliance certification may reference information contained in a previous compliance certification submittal to the director, provided such referenced information is certified as being current and still applicable.

1. Current permit number: \_\_\_\_\_
2. Emissions Unit No./Description: \_\_\_\_\_
3. Identify the applicable requirement(s), and/or permit term(s) or condition(s) that is/are the basis of this certification:

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4. Compliance status during the reporting period:
  - a. Has the emissions unit been in compliance with the identified applicable requirement(s) and/or permit term(s) or condition(s)?
 

YES                       NO
  - b. If YES, was compliance continuous or intermittent?
 

Continuous                       Intermittent

c. If NO, explain.

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5. The methods used for determining the compliance status of the emissions unit currently and over the reporting period (e.g., monitoring, recordkeeping, reporting, test methods, etc.):

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Provide a detailed description of the methods used to determine compliance: (e.g., monitoring device type and location, test method description, or parameter being recorded, frequency of recordkeeping, etc.)

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6. Statement of Compliance with Enhanced Monitoring and Compliance Certification Requirements.

a. Is the emissions unit identified in this application in compliance with applicable enhanced monitoring and compliance certification requirements?

YES                       NO

b. If YES, identify those requirements:

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c. If NO, describe below which requirements are not being met:

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**CHANGE OF LOCATION REQUEST  
FOR A TEMPORARY SOURCE  
TEMPORARY COVERED SOURCE PERMIT NO. 0219-01-CT  
(PAGE 1 OF 3)**

**[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 complete this Change of Location Request Form regarding all succeeding location changes and shall submit this form 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 and fence lines.
  - b. Location of all structures within 325 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.
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:
 

Noncovered Sources	Covered Sources
_____ \$ 50.00 for Non-Air Toxic	<u>  X  </u> \$100.00 for Non-Air Toxic
_____ \$100.00 for Air Toxic	_____ \$300.00 for Air Toxic

4. The permittee shall submit any additional information as requested by the Department of Health.
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**

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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.

<p><b>CHANGE OF LOCATION REQUEST FOR A TEMPORARY SOURCE TEMPORARY COVERED SOURCE PERMIT NO. 0219-01-CT (CONTINUED, PAGE 2 OF 3)</b></p>	
<p><b>[Issuance Date]</b></p>	<p><b>[Expiration Date]</b></p>

(Make Copies for Future Use)

1. Company Name: \_\_\_\_\_
2. Facility Name (if different from the company): \_\_\_\_\_
3. Mailing Address: \_\_\_\_\_  
 City: \_\_\_\_\_ State: \_\_\_\_\_ Zip Code: \_\_\_\_\_  
 Phone Number: \_\_\_\_\_
4. Name of Owner/Owner's Agent: \_\_\_\_\_  
 Title: \_\_\_\_\_ Phone: \_\_\_\_\_
5. Equipment Description:

Indicate equipment proposed for usage at new site, and list the equipment number, as specified in Attachment II, Special Condition No. A.1. Each site is limited to one piece of equipment type at any given time, except for the diesel engine generators, where two are allowed per site.

Equipment	Eq. No.	Equipment	Eq. No.	Equipment	Eq. No.
Jaw Crusher		Belt Feeder		DEG (2 allowed per site)	
Grizzly Feeder		VSI Crusher		Conveyors	l
Cone Crusher & Screen (provide screen size, i.e. 75" x 48", if interchanged with cone crushers)		5' x 16' Screen		Water spray	m
		Diesel Engine			

6. Current Equipment Location: \_\_\_\_\_
7. **New Equipment Location:** \_\_\_\_\_
  - a. Plant site manager or other contact, if different than Current contact: \_\_\_\_\_
  - b. Phone Number: \_\_\_\_\_
  - c. Proposed start date at *New Location*: \_\_\_\_\_
  - d. Estimated project duration and maximum amount of material to be processed: \_\_\_\_\_

**CHANGE OF LOCATION REQUEST  
FOR A TEMPORARY SOURCE  
TEMPORARY COVERED SOURCE PERMIT NO. 0219-01-CT  
(CONTINUED, PAGE 3 OF 3)**

**[Issuance Date]**

**[Expiration Date]**

8. Brief description of the work to be performed. Also identify other air pollution sources owned and operated by the permittee that are at or adjacent to the new location, if any.

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9. Identify any sources owned or operated by the permittee which have operated at or adjacent to the new location within the last 12-months. For sources that have operated at or adjacent to the new location within the last 12-months, provide the total combined operating hours of the previous and proposed diesel engine generators at that location and the amount of material previously processed at that location within the last 12-months.

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*Note: As specified in Attachment II, Special Condition No. C.6.d, the permittee shall submit to the Department of Health an ambient air quality impact assessment if the proposed location is situated:*

- i. At or adjacent to a current temporary stone processing plant owned or operated by the permittee; or*
- ii. At or adjacent to a previous temporary stone processing plant owned or operated by the permittee, where the total combined operating hours of the previous and proposed diesel engine generators exceeds 5,600 hours on a rolling 12-month basis; or*
- iii. Such that the Department of Health determines that an ambient air quality impact assessment is necessary.*

*The permittee shall not operate each temporary stone processing plant until the Department of Health has reviewed and approved the ambient air quality impact assessment.*

**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 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. 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): \_\_\_\_\_

**PROPOSED**

**ANNUAL EMISSIONS REPORT FORM  
STONE PROCESSING PLANTS  
TEMPORARY COVERED SOURCE PERMIT NO. 0219-01-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.

(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): \_\_\_\_\_

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

(Provide TPH. Rated-Capacity for Primary Crusher OR Crushing/Screening Rate of the Plant)

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

Type of Operation	Maximum Tons/hour of	Materials Processed: Type (soil, cinder, gravel, etc.)	Air Pollution Control	Control Efficiency
Jaw Crusher				
Cone Crusher & Screen				
VSI Crusher				
5' x 16' 3 Deck Screen				
Truck Unloading	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: 35%  
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.

**PROPOSED**

**MONITORING/ANNUAL EMISSIONS REPORT FORM  
OPERATING HOURS/FUEL CERTIFICATION/EQUIPMENT UTILIZATION  
TEMPORARY COVERED SOURCE PERMIT NO. 0219-01-CT  
(PAGE 1 OF 4)**

**[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. 250 HP Caterpillar diesel engine, model 3306, ID no. 64Z30601;

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			

**PROPOSED**

**MONITORING/ANNUAL EMISSIONS REPORT FORM  
OPERATING HOURS/FUEL CERTIFICATION/EQUIPMENT UTILIZATION  
TEMPORARY COVERED SOURCE PERMIT NO. 0219-01-CT  
(CONTINUED, PAGE 2 OF 4)**

**[Issuance Date]**

**[Expiration Date]**

b. 400 kW Detroit Diesel Engine Generator, model 8V92T, ID no. 80837416;

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. 500 kW Caterpillar Diesel Engine Generator, model 3412-DITT, ID no. 81Z4731;

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			

**PROPOSED**

<b>MONITORING/ANNUAL EMISSIONS REPORT FORM          OPERATING HOURS/FUEL CERTIFICATION/EQUIPMENT UTILIZATION          TEMPORARY COVERED SOURCE PERMIT NO. 0219-01-CT          (CONTINUED, PAGE 3 OF 4)</b>	
[Issuance Date]	[Expiration Date]

d. 725 kW Caterpillar Diesel Engine Generator, model 3412, ID no. 7AJ01655;

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. 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 engine and each diesel engine generator 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 engine and each diesel engine generator 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 250 HP diesel engine, Model 3306, ID No. 64Z30601				
Detroit 400 kW DEG, Model 8V92T, ID No. 80837416				
Caterpillar 500 kW DEG, Model 3412-DITT, ID No. 81Z4731				
Caterpillar 725 kW DEG, Model 3412, ID No. 7AJ01655				

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);
- If Other, specify.
- Liquefied Petroleum Gas, Butane or Propane;

<b>MONITORING/ANNUAL EMISSIONS REPORT FORM                  OPERATING HOURS/FUEL CERTIFICATION/EQUIPMENT UTILIZATION                  TEMPORARY COVERED SOURCE PERMIT NO. 0219-01-CT                  (CONTINUED, PAGE 4 OF 4)</b>	
[Issuance Date]	[Expiration Date]

**3. Limiting Configurations**

Pursuant to Special Condition No. C.2.,  
*“For each temporary stone processing plant location, the maximum amount of equipment shall be as follows:*

- a. One (1) Grizzly Feeder;*
- b. One (1) Jaw Crusher;*
- c. One (1) Cone Crusher with Triple Deck Screen (75" x 48" or 70 ½" x 48");*
- d. One (1) Portable Belt Feeder;*
- e. One (1) Vertical Shaft Impact Crusher;*
- f. One (1) 5' x 16' Triple Deck Screen;*
- g. One (1) 250 HP Diesel Engine;*
- h. Two (2) Diesel Engine Generators (400 kW and 500 kW or 400 kW and 725 kW or 500 kW and 725 kW)*
- i. Various conveyors; and*
- j. Various water sprays.”*

Indicate in the table below, each time Special Condition No. C.2. was exceeded.

Date(s) of Operation when an exceedance occurred		Location of Operation during the exceedance	Total Hours Operated during the exceedance	Type & Tons of Material Processed during the exceedance	Specify Equipment Operated during the exceedance	Reason for Exceeding Special Condition No. C.2.
From	To					

**Please indicate in the table above if there were no exceedances of Special Condition No. C. 2. during the reporting period.**

**PROPOSED**

**MONITORING REPORT FORM  
PRODUCTION PER SITE  
TEMPORARY COVERED SOURCE PERMIT NO. 0219-01-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 following information semi-annually.

(Make Copies for Additional Use)\_\_\_\_ **(Fill out a separate form for each temporary location)**

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. Production Per Site:**

For each temporary location, report the amount of material processed on a monthly and twelve (12) month rolling basis. The amount of material processed from relocating equipment to a site previously operated within the last 12 months should be reported with the previous amount of material processed at the site.

Month	Monthly Amount of Material Processed (tons)	Total Amount of Material Processed on a 12-Month Rolling Basis (tons)	Notes
January			
February			
March			
April			
May			
June			
July			
August			
September			
October			
November			
December			



**VISIBLE EMISSIONS OBSERVATION FORM REQUIREMENTS  
STATE OF HAWAII  
TEMPORARY COVERED SOURCE PERMIT NO. 0219-01-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 Chart as provided. At least **annually** (*calendar year*), V.E. observations 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 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.

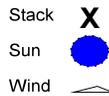
Any required initial and annual performance test performed in accordance with Method 9 by a certified reader shall satisfy the respective V.E. monitoring requirements for the month the performance test is performed.

**VISIBLE EMISSIONS OBSERVATION FORM  
DIESEL ENGINE AND DIESEL ENGINE GENERATORS  
TEMPORARY COVERED SOURCE PERMIT NO. 0219-01-CT**

**[Issuance Date]** **[Expiration Date]**

(Make Copies for Additional Use)

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

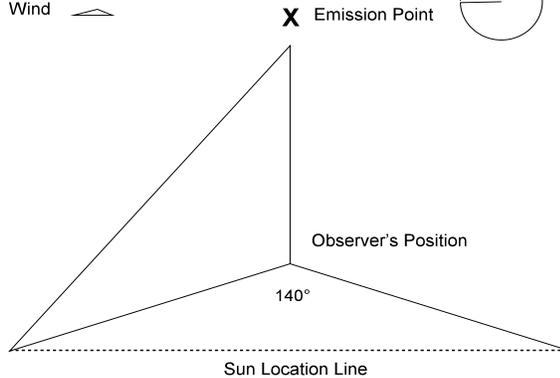


Draw North Arrow



**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: \_\_\_\_\_

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

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

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

**VISIBLE EMISSIONS OBSERVATION FORM  
PORTABLE STONE PROCESSING PLANTS  
TEMPORARY COVERED SOURCE PERMIT NO. 0219-01-CT**

**[Issuance Date]**

**[Expiration Date]**

(Make Copies for Additional Use)

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

Fugitive emission point description: \_\_\_\_\_

Plant Production (tons/hr): \_\_\_\_\_  
(during observation)

**Site Conditions:**

Emission point height above ground (ft): \_\_\_\_\_

Emission point distance from observer (ft): \_\_\_\_\_

Emission color (black or white): \_\_\_\_\_

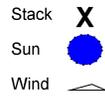
Sky conditions (% cloud cover): \_\_\_\_\_

Wind speed (mph): \_\_\_\_\_

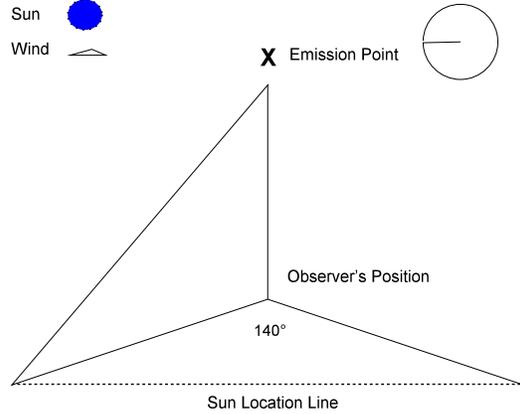
Observer Name: \_\_\_\_\_

Certified? (Yes/No): \_\_\_\_\_

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



Draw North Arrow



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

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

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