

**PROPOSED**

Issuance Date

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

14-xxxE CAB  
File No. 0524

Ms. Georgette Silva  
President  
Pineridge Farms, Inc.  
855 Umi Street  
Honolulu, Hawaii 96819

Dear Ms. Silva:

**Subject: Temporary Covered Source Permit (CSP) No. 0524-01-CT  
Renewal Application No. 0524-03  
295 TPH Crushing Plant with One (1) 300 HP Diesel Engine  
Located At: Various Temporary Sites, State of Hawaii  
Date of Expiration:**

The subject 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 that you submitted as part your application received on March 28, 2013. This permit supersedes CSP No. 0524-01-CT issued on July 17, 2009, in its entirety.

The 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

The following forms are enclosed for your use and submittal as required:

Compliance Certification Form  
Annual Emissions Report Form: Crushing Plant  
Annual Emissions Report Form: Fuel Consumption  
Monitoring Report Form: Fuel Certification  
Monitoring Report Form: Diesel Engine Operating Hours  
Monitoring Report Form: Opacity Exceedances  
Change of Location Request for a Temporary Source Form

**PROPOSED**

Ms. Georgette Silva  
DATE  
Page 2

The following are enclosed for your use in monitoring visible emissions:

Visible Emissions Form Requirements State of Hawaii  
Visible Emissions Form – Diesel Engine  
Visible Emissions Form – Crushing Plant

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, Clean Air Branch (herein after referred to as Department), 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.

If you have any questions, please contact Mr. Joseph Baumgartner of the Clean Air Branch at (808) 586-4200.

Sincerely,

STUART YAMADA, P.E., CHIEF  
Environmental Management Division

JB:nn

Enclosures

c: CAB Monitoring Section

**ATTACHMENT I: STANDARD CONDITIONS  
TEMPORARY COVERED SOURCE PERMIT NO. 0524-01-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, 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.

(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 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, 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 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 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 copies of records required to be kept by the permittee. For information claimed to be confidential, the Director of Health (Director) may require the permittee to furnish such records not only to the Department 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 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 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 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.

(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, 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 a covered source covered by this permit**, the discontinuance shall be reported in writing to the Department 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 and the U.S. EPA, Region 9, no less than twelve (12) months and no more than eighteen (18) months prior to the permit expiration date. The Director may allow a permit renewal application to be submitted no less than six (6) 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 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**

**CSP No. 0524-01-CT**  
**Attachment I**  
**Page 6 of 6**  
**Issuance Date:**  
**Expiration Date:**

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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**  
**919 Ala Moana Boulevard, Room 203**  
**Honolulu, HI 96814**

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 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. 0524-01-CT**

**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 permit encompasses the following equipment and associated appurtenances:

1. 295 TPH BL-Pegson Jaw Crusher, model Premiertrak, 32" x 44," "M" series, S/N QM014935 with 300 HP Caterpillar diesel engine, model 3306B DITA, S/N 64Z33009 (Nonroad Engine).

(Auth.: HAR §11-60.1-3)

2. An identification tag or nameplate shall be displayed on the crusher and diesel engine listed above to show model no., serial no., and manufacturer. The identification tag or nameplate 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 295 TPH crushing plant is subject to the provisions of the following federal regulations:
  - a. 40 Code of Federal Regulations (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 applicable provisions of these standards, including all emissions 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 60)<sup>1</sup>

**Section C. Operational and Emission Limits**

1. Mobile Crushing Unit
  - a. The total operating hours of the mobile crushing unit, as measured by the hours of operation of the diesel engine, shall not exceed 2,080 hours per rolling twelve-month (12) month period.

- b. For any six (6) minute averaging period, the diesel engine servicing the mobile crusher shall not exhibit visible emissions of twenty (20) percent opacity or greater, except as follows: during start-up, shutdown, or equipment breakdown, the diesel engine may exhibit visible emissions not greater than sixty (60) percent opacity for a period aggregating not more than six (6) minutes in any sixty (60) minute period.
- c. The diesel engine shall be fired only on fuel oil no. 2 with a maximum sulfur content not to exceed 0.5% by weight.
- d. The mobile crusher shall be maintained in good operating condition at all times with scheduled inspection and maintenance as recommended by the manufacturer or as needed.
- e. The mobile crusher shall be operated as a stand-alone unit. Operation of the mobile crusher with any other stone processing equipment is prohibited without prior written approval from the Department.

(Auth.: HAR §11-60.1-3, §11-60.1-32, §11-60.1-38, §11-60.1-90; SIP §11-60-24)<sup>2</sup>

## 2. Fugitive Emission Limitations and Control

- a. The permittee shall not cause to be discharged into the atmosphere from the crusher, fugitive emissions which exhibit greater than fifteen (15) percent opacity.
- b. The permittee shall not cause to be discharged into the atmosphere from any transfer point on the belt conveyors any fugitive emissions which exhibit greater than ten (10) percent opacity.
- c. 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.
- d. The permittee shall take measures to control fugitive dust (e.g., wet suppression, enclosures, dust screens, etc.) at the crusher, material transfer points, stockpiles, and throughout the facility. The Department may at any time require the permittee to further abate fugitive dust emissions if an inspection indicates poor or insufficient control.
- e. The crusher shall not be operated if observation or the routine inspection required in Attachment II, Special Condition No. D.2.b, indicates a significant drop in water flow rate, plugged nozzle(s), leak in the piping system, or other problems which affect the efficiency of the water spray system. The permittee shall investigate and correct the problem before resuming operations. The normal operating flow rate (gal/min) for the water spray system shall be established in the performance test conducted pursuant to Section F and may be incorporated into the permit.
- f. The water spray system shall be properly maintained and kept in good operating condition at all times to control fugitive emissions as specified in Attachment II, Special Condition No. C.2.
- g. Water spray systems shall be maintained and utilized, as necessary, during operation of the portable crushing and screening plant to ensure compliance with the fugitive emission limits. The Department at any time may require continuous operation of the

water sprays and/or 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, §11-60.1-161; 40 CFR §60.672)<sup>1</sup>

3. 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.
- b. Subsequent location changes of the equipment shall be in accordance with Section G. For each change in location, the Department 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)

**Section D. Monitoring and Recordkeeping Requirements**

1. 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 true, accurate, and maintained in a permanent form suitable for inspection and made available to the Department or its representative upon request.

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

2. Water Spray System

- a. A water pressure gauge and/or flow meter shall be installed, operated, and maintained to measure the pressure and/or flow rate of the water spray systems (in psi and/or gal/min) to the crusher.
- b. Whenever the crusher is in operation, 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 ensure proper operation of the water spray system.

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

3. Hours of Operation

A non-resetting hour meter shall be installed, operated, and maintained on the diesel engine for the continuous and permanent recording of the total hours operated to demonstrate compliance with Attachment II, Special Condition No. C.1.a. The non-resetting meter shall not allow the manual resetting of the meter readings. The installation of any

new non-resetting meters or the replacement of any existing non-resetting meters shall be designed to accommodate a minimum of five (5) years of equipment operation, considering any operational limitations, before the meter returns to a zero reading. The following records shall be kept for each piece of metered equipment at each temporary location:

- a. The date of the meter readings;
- b. Beginning meter readings for each month;
- c. The total hours operated for each month at each location; and
- d. The total hours operated on a twelve-month (12-month) rolling basis.

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

#### 4. Visible Emissions (VE)

- a. The permittee shall conduct **monthly** (*calendar month*) VE observations of the diesel engine by a certified reader in accordance with 40 CFR Part 60, Appendix A, Method 9, or U.S. EPA approved equivalent methods, or alternate methods with prior written approval from the Department. For each month, two (2) consecutive six (6) minute observations shall be taken at fifteen (15) second intervals. Records shall be completed and maintained in accordance with the **Visible Emissions Form Requirements**. For the VE observations of the diesel engine, the observer shall comply with the following additional requirements:
  - i. The distance between the observer and the emission source shall be at least three (3) stack heights but not more than 402 meters (0.25 miles); and
  - ii. The observer shall, when possible, select a position that minimizes interference from other fugitive or point source emissions. The required observer position relative to the sun (40 CFR Part 60, Appendix A, Method 9, Section 2.1) shall be followed.
- b. Except in those months where a performance test is conducted for fugitive emissions pursuant to Attachment II, Section F, the permittee shall conduct **monthly** (*calendar month*) VE observations for the crusher by a certified reader in accordance with 40 CFR Part 60, Appendix A, Method 9, or U.S. EPA approved equivalent methods, or alternate methods with prior written approval from the Department. For each month, two (2) consecutive six (6) minute observations shall be taken at fifteen (15) second intervals for each equipment subject to the opacity limits specified in Attachment II, Special Condition Nos. C.2.a and C.2.b. For the VE observations of the fugitive emissions, the observer shall comply with the following additional requirements:
  - i. The distance between the observer and the emission source shall be at least three (3) stack heights but not more than 402 meters (0.25 miles);
  - ii. The observer shall, when possible, select a position that minimizes interference from other fugitive or point source emissions. The required observer position relative to the sun (40 CFR Part 60, Appendix A, Method 9, Section 2.1) shall be followed; and

- iii. The observer shall record the operating capacity (tons/hr) of the crusher and flow rate of the water sprays (gal/hr) to the crusher at the time the observations were made.
- c. The Department may allow observation of a portion of the total fugitive emission points subject to opacity limits, if it can be demonstrated that operations have been in compliance with the permit. At a minimum, at least three (3) fugitive emission points shall be observed each month. The selection of points shall include the primary crusher and the conveyer transfer points, or those points as specified by the Department. Allowance to observe a portion of the total required fugitive emission points shall be obtained in writing from the Department.

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

## 5. Records

The permittee shall maintain records on the following:

- a. Total tons of material processed by the crusher on an annual basis for purposes of annual emissions reporting;
- b. 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 for purposes of sulfur content requirements and annual emissions reporting. 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 the diesel engine shall be maintained on an annual basis;
- c. Monthly VE records with observation monitoring results of the crusher and diesel engine in accordance with the **"Visible Emissions Observation Form Requirements;"**
- d. Source performance test plans, summaries, and results for the mobile crusher; and
- e. 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 crusher and diesel engine, 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 24, respectively:

- a. *Anticipated date of initial start-up, actual date of construction commencement, and actual date of start-up;*
- 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 in accordance with Special Condition No. F.4.
- b. Written reports of the results of the source performance tests conducted to demonstrate compliance shall be submitted to the Department **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, §11-60.1-11, §11-60.1-90, §11-60.1-161; 40 CFR § 60.8, §60.676, SIP §11-60-15)<sup>1, 2</sup>

### 4. Monitoring Report Forms

The permittee shall submit **semi-annually** the following reports to the Department. 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 the crushing plant on a monthly and twelve-month (12-month) rolling basis;
- b. Identification of the type of fuel fired in the diesel engine during the respective reporting period. Include the maximum sulfur content (% by weigh) of the fuel; and
- c. Identification of any opacity exceedances as determined by the required VE monitoring of the crushing plant and diesel engine. 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 piece of equipment there were no exceedances for that semi-annual period for the diesel engine and crushing plant.

The following enclosed forms shall be used for reporting:

**Monitoring Report Form: Fuel Certification;**  
**Monitoring Report Form: Diesel Engine Operating Hours; and**  
**Monitoring Report Form: Opacity Exceedances.**

(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 and U.S. EPA Region 9, *the attached Compliance Certification Form* pursuant to HAR, §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;
- f. A brief description of any deviations including identifying as possible exceptions to compliance any periods during which compliance is required and in which the excursion or exceedances as defined in 40 CFR Part 64 occurred; and
- g. Any additional information as required by the Department including information to determine compliance.

*The compliance certification shall be submitted **within sixty (60) days after** the end of each calendar year, and shall be signed and dated by a responsible official.*

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

The following enclosed forms shall be used for reporting:

**Annual Emissions Report Form: Crushing Plant;** and  
**Annual Emissions Report Form: Fuel Consumption.**

(Auth.: HAR §11-60.1-3, §11-60.1-90)

**Section F. Testing Requirements**

1. Performance Testing

On an annual basis the permittee shall conduct or cause to be conducted performance tests on the mobile crusher to determine compliance with Attachment II, Special Condition Nos. C.2.a and C.2.b. The Department may require testing at other points in the facility or more frequent testing if an inspection indicates poor or insufficient controls. Tests shall be conducted for each point subject to an opacity limit.

2. Performance Test Methods

- a. The performance tests for the determination of opacity shall be conducted by a certified reader using Method 9 of 40 CFR Part 60, Appendix A, and the procedures in 40 CFR Subsection 60.11, with the following additions for fugitive emissions observations:
  - 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;
  - iii. The observer shall record the operating capacity (tons/hr) of the plant at the time observations were made, and if the test is not conducted at the maximum capacity of the crusher, justify the lesser production rate; and
  - iv. The observer shall note proper water spray flow, as required in Attachment II, Special Condition No. C.2.f.
- b. When determining compliance with the fugitive emissions standards of Attachment II, Special Condition Nos. C.2.a and C.2.b, the duration of Method 9 observations must be

thirty (30) minutes (five (5) six-minute (6-minute) averages). Compliance with the applicable fugitive emissions limits specified in Attachment II, Special Condition Nos. C.2.a and C.2.b must be based on the average of the five (5) six-minute (6-minute) averages.

- c. When determining compliance with the fugitive emissions standards of Attachment II, Special Condition Nos. C.2.a, C.2.b, and C.2.c, a single visible emission observer may conduct visible emission observations for up to three (3) fugitive emission points within a fifteen (15) second interval if the following conditions are met:
  - i. No more than three (3) emission points may be read concurrently;
  - ii. All three (3) emission points must be within a seventy (70) degree viewing sector or angle in front of the observer such that the proper sun position can be maintained for all three (3) points; and
  - ii. If an opacity reading for any one of the three (3) emission points equals or exceeds the applicable standard, then the observer must stop taking readings for the other two (2) points and continue reading just that single point.
- d. When determining compliance with the fugitive emissions standards of Attachment II, Special Condition Nos. C.2.a and C.2.b, if emissions from two (2) or more points continuously interfere so that the opacity of fugitive emissions from an individual point 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 points contributing to the emissions stream; and
  - ii. Separate the emissions so that the opacity of emissions from each affected point can be read.
- 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 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 crusher. All performance tests may be monitored by the Department.

(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**, the permittee shall submit a written performance test plan to the Department and U.S. EPA, Region 9, 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 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. Deviations

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 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 each performance test, the permittee shall submit to the Department and U.S. EPA, Region 9, the test report which shall include the operating conditions of the facility at the time of the test (e.g., water flow rate in gal/min for wet suppression, crusher closed side setting, etc.), the locations of where the visual emissions were read, visible emissions readings, location of water sprays, the 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 Subsection 60.8.

(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 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 proposed location changes to the Department for approval **at least thirty (30) days**, or such lesser time as designated and

approved by the Department, 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 boundary, any fence lines; and general terrain features (i.e., flat, hilly, steep);
  - 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; and
  - iii. Identification of other air pollution sources at the new location.
- e. Area map showing the proposed new location of the equipment;
- f. Projected dates of operation at the new location;
- g. Identification of any other air pollution equipment at the new location, including model and serial numbers, and plant configuration;
- h. 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
- i. Any additional information as requested by the Department, 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 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 shall approve, conditionally approve, or deny in writing each location change. The change of location approval, or a copy thereof, shall be maintained near the source and shall be made available for inspection upon request by the Department. If the Department 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 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  
INSIGNIFICANT ACTIVITIES  
TEMPORARY COVERED SOURCE PERMIT NO. 0524-01-CT**

**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 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 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 true, accurate, and maintained in a permanent form suitable for inspection and made available to the Department or its 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 and U.S. EPA, Region 9, the attached *Compliance Certification Form* pursuant to HAR, §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;
5. 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;
6. Brief description of any deviations including identifying as possible exceptions to compliance any periods during which compliance is required and in which the excursion or exceedances as defined in 40 CFR 64 occurred; and
7. Any additional information as required by the Department including information to determine compliance.

The compliance certification shall be submitted **within sixty (60) days** after the end of each calendar year, and shall be signed and dated by a responsible official.

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

In lieu of addressing each emission unit as specified in *Compliance Certification Form*, 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.

(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. 28.

(Auth.: HAR §11-60.1-4, §11-60.1-90)

**ATTACHMENT III: ANNUAL FEE REQUIREMENTS  
TEMPORARY COVERED SOURCE PERMIT NO. 0524-01-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 **one-hundred twenty (120) 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  
919 Ala Moana Boulevard, Room 203  
Honolulu, HI 96814**

## PROPOSED

**ATTACHMENT IV: ANNUAL EMISSIONS REPORTING REQUIREMENTS  
TEMPORARY COVERED SOURCE PERMIT NO. 0524-01-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 forms:

**Annual Emissions Report Form: Crushing Plant; and  
Annual Emissions Report Form: Fuel Consumption.**

2. The 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  
919 Ala Moana Boulevard, Room 203  
Honolulu, HI 96814**

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 Director and clearly identifying the specific information that is to be accorded confidential treatment.

**COMPLIANCE CERTIFICATION FORM  
TEMPORARY COVERED SOURCE PERMIT NO. 0524-01-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 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.

# PROPOSED

**COMPLIANCE CERTIFICATION FORM  
 TEMPORARY COVERED SOURCE PERMIT NO. 0524-01-CT  
 (CONTINUED, PAGE 2 OF 4)**

**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.

**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	<input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent

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

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

**PROPOSED**

**COMPLIANCE CERTIFICATION FORM  
 TEMPORARY COVERED SOURCE PERMIT NO. 0524-01-CT  
 (CONTINUED, PAGE 3 OF 4)**

**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>
		<input type="checkbox"/> monitoring <input type="checkbox"/> recordkeeping <input type="checkbox"/> reporting <input type="checkbox"/> testing <input type="checkbox"/> none of the above	<input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent
		<input type="checkbox"/> monitoring <input type="checkbox"/> recordkeeping <input type="checkbox"/> reporting <input type="checkbox"/> testing <input type="checkbox"/> none of the above	<input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent
		<input type="checkbox"/> monitoring <input type="checkbox"/> recordkeeping <input type="checkbox"/> reporting <input type="checkbox"/> testing <input type="checkbox"/> none of the above	<input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent
		<input type="checkbox"/> monitoring <input type="checkbox"/> recordkeeping <input type="checkbox"/> reporting <input type="checkbox"/> testing <input type="checkbox"/> none of the above	<input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent
		<input type="checkbox"/> monitoring <input type="checkbox"/> recordkeeping <input type="checkbox"/> reporting <input type="checkbox"/> testing <input type="checkbox"/> none of the above	<input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent
		<input type="checkbox"/> monitoring <input type="checkbox"/> recordkeeping <input type="checkbox"/> reporting <input type="checkbox"/> testing <input type="checkbox"/> none of the above	<input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent
		<input type="checkbox"/> monitoring <input type="checkbox"/> recordkeeping <input type="checkbox"/> reporting <input type="checkbox"/> testing <input type="checkbox"/> none of the above	<input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent
		<input type="checkbox"/> monitoring <input type="checkbox"/> recordkeeping <input type="checkbox"/> reporting <input type="checkbox"/> testing <input type="checkbox"/> none of the above	<input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent

<b>COMPLIANCE CERTIFICATION FORM TEMPORARY COVERED SOURCE PERMIT NO. 0524-01-CT (CONTINUED, PAGE 4 OF 4)</b>	
<b>Issuance Date:</b>	<b>Expiration Date:</b>

**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)**

**PROPOSED**

**ANNUAL EMISSIONS REPORT FORM  
CRUSHING PLANT  
TEMPORARY COVERED SOURCE PERMIT NO. 0524-01-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 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: \_\_\_\_\_

Report the ton per year of aggregate processed and air pollution control measures used:

Type of Operation	Materials Processed (TPY)	Air Pollution Control Measures	Control Efficiency (% Reduction)
Truck Unloading			
Crushing			
Screening			
Conveyor Transfer			
Stockpiles			
Truck Loading			

Note: Control measures include water sprays.  
Use the following Control Efficiencies, unless documentation is available to show otherwise:  
Water sprays, or Enclosures: 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.

**ANNUAL EMISSIONS REPORT FORM  
FUEL CONSUMPTION  
TEMPORARY COVERED SOURCE PERMIT NO. 0524-01-CT**

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

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

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

(Make Copies for Future Use)

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

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

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

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

Equipment Capacity/Rating (specify units): \_\_\_\_\_

(Units such as Horsepower, kilowatt, tons/hour, etc.)

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

**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. Report the plant fuel consumption as follows:

Equipment	Fuel Type	Annual Fuel Usage (gallons)

**PROPOSED**

**MONITORING REPORT FORM  
FUEL CERTIFICATION  
TEMPORARY COVERED SOURCE PERMIT NO. 0524-01-C**

**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 Future Use)

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

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

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

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

Equipment Capacity/Rating (specify units): \_\_\_\_\_  
(Units such as Horsepower, kilowatt, tons/hour, etc.)

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

**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. Report the fuel types of fuel and maximum sulfur content fired in the diesel engines as follows:

Equipment Description	Types of Fuel Fired	Maximum Sulfur Content (% by Weight)
300 HP diesel engine		

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 percent sulfur content by weight.

2. Report the minimum cetane index or maximum aromatic content of fuel oil no. 2 fired in the diesel engines for the reporting period.

Equipment Description	Minimum Cetane Index	Maximum Aromatic Content (Volume %)
300 HP diesel engine		

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 cetane index or aromatic content.

**PROPOSED**

**MONITORING REPORT FORM  
DIESEL ENGINE OPERATING HOURS  
TEMPORARY COVERED SOURCE PERMIT NO. 0524-01-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:

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

Engine Description: \_\_\_\_\_

Report the operating hours in the following table for the above diesel engine.

<b>Month</b>	<b>Date of Reading</b>	<b>Meter Reading</b>	<b>Operating Hours for Month</b>	<b>Total Operating Hours 12-Month Rolling Basis</b>
January				
February				
March				
April				
May				
June				
July				
August				
September				
October				
November				
December				

**CHANGE OF LOCATION REQUEST  
FOR A TEMPORARY SOURCE  
TEMPORARY COVERED SOURCE PERMIT NO. 0524-01-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  
    X     \$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  
919 Ala Moana Boulevard, Room 203  
Honolulu, HI 96814  
(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. 0524-01-CT  
(CONTINUED, PAGE 1 OF 2)

Issuance Date:

Expiration Date:

- 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 Number: \_\_\_\_\_
- 5. Equipment Description (identify each equipment to be relocated): \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

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

7. **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. 0524-01-CT  
(CONTINUED, 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.):

<b>Distance</b>	<b>Identify if residence, school, business, etc.</b>

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



## PROPOSED

**VISIBLE EMISSIONS FORM REQUIREMENTS  
STATE OF HAWAII  
TEMPORARY COVERED SOURCE PERMIT NO. 0524-01-CT**

**Issuance Date:**

**Expiration Date:**

The **Visible Emissions (VE) Form** shall be completed **monthly** (*each calendar month*) for each equipment subject to opacity limits in accordance with 40 CFR Part 60, Appendix A, Method 9. At least **annually** (*calendar year*), VE observation shall be conducted for each equipment subject to opacity limits by a certified reader in accordance with Method 9. The VE Form shall be completed as follows:

1. Visible emissions observations shall take place during the day only. The opacity shall be noted in five (5) percent increments (e.g., 25%).
2. Orient the sun within a 140 degree sector to your back. Provide a source layout sketch on the VE Form using the symbols as shown.
3. For the diesel engine stack, stand at least three (3) stack heights, but not more than a quarter mile, from the stack.
4. For the fugitive emissions sources of the crusher subject to opacity limits, stand at least 4.57 meters (15 feet) from the emission source, but no more than a quarter mile from the source.
5. Two (2) consecutive six (6) minute observations shall be taken at fifteen (15) second intervals for each stack or emission point.
6. The six (6) minute average opacity reading shall be calculated for each observation.
7. 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 equipment shall be operating at the maximum permitted capacity.
8. If the equipment was shut-down for that period, briefly explain the reason for shut-down in the comment column.

The permittee shall retain the completed VE 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 equipment's VE monitoring requirements for the month the performance test is performed.

# PROPOSED

**VISIBLE EMISSIONS FORM  
DIESEL ENGINE  
TEMPORARY COVERED SOURCE PERMIT NO. 0524-01-CT**

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

(Make Copies for Future Use for Each Stack or Emission Point)

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

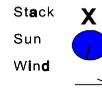
For stacks, describe equipment and fuel: \_\_\_\_\_

For fugitive emissions from crushers and screens, describe:

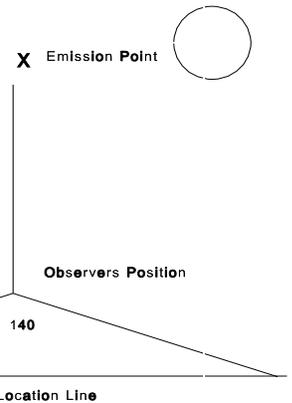
Fugitive emission point: \_\_\_\_\_

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

(During observation)



Draw North Arrow



**Site Conditions:**

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

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

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

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

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

Temperature (EF): \_\_\_\_\_

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

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

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

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

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

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

**PROPOSED**

**VISIBLE EMISSIONS FORM  
CRUSHING PLANT  
TEMPORARY COVERED SOURCE PERMIT NO. 0524-01-CT**

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

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

(Make Copies for Future Use for Each Stack or Emission Point)

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

For stacks, describe equipment and fuel: \_\_\_\_\_

For fugitive emissions from crushers and screens, describe:

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

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

(During observation)

Stack **X**  
Sun   
Wind 

Draw North Arrow



**Site Conditions:**

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

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

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

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

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

Temperature (EF): \_\_\_\_\_

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

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

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

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

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

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