

**PROPOSED**

[Issuance Date]

**CERTIFIED MAIL**  
**RETURN RECEIPT REQUESTED**  
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07E CAB  
File No. 0603-02

Mr. Hiram Rivera  
President  
E. M. Rivera & Sons, Inc.  
P. O. Box 9031  
Kailua-Kona, Hawaii 96745

Dear Mr. Rivera:

**Subject: Temporary Covered Source Permit (CSP) No. 0603-01-CT  
Application for Significant Modification No. 0603-02  
E. M. Rivera & Sons, Inc.  
730 and 505 TPH Portable Crushing Plants  
Located at: Various Temporary Sites, State of Hawaii  
Initial Location: Honokohau, Kailua-Kona, Hawaii  
Date of Expiration: January 16, 2011**

The subject covered source permit is amended in accordance with Hawaii Administrative Rules (HAR), Title 11, Chapter 60.1. The amendment is based on the plans, specifications, and information submitted as part of your complete application, received on February 23, 2007. This permit amendment provides for the addition of a 730 TPH crusher with 503 HP diesel engine, and updates the forms for compliance certification and location changes.

This temporary covered source permit supersedes in its entirety, CSP 0603-01-CT, issued on January 17, 2006.

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

Mr. Hiram Rivera  
Issuance Date  
Page 2

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

Compliance Certification Form  
Annual Emissions Report Form: Portable Crushing Plants  
Monitoring/Annual Emissions Report Form: Diesel Engines  
Monitoring Report Form: Opacity Exceedances  
Change of Location Request for a Temporary Source

The following are for use in monitoring visible emissions:

Visible Emissions Form Requirements  
Visible Emissions Form  
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

AM:se

Enclosures

c: Ed Yamamoto, EHS - Hilo  
Wendell Sano, EHS - Kona  
CAB Monitoring Section

**ATTACHMENT I: STANDARD CONDITIONS  
TEMPORARY COVERED SOURCE PERMIT NO. 0603-01-CT**

**Issuance Date:**

**Expiration Date: January 16, 2011**

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

1. Unless specifically identified, the terms and conditions contained in this permit are consistent with the applicable requirement, including form, on which each term or condition is based.  
  
(Auth.: HAR §11-60.1-90)
2. This permit, or a copy thereof, shall be maintained at or near the source and shall be made available for inspection upon request. The permit shall not be willfully defaced, altered, forged, counterfeited, or falsified.  
  
(Auth.: HAR §11-60.1-6; SIP §11-60-11)<sup>2</sup>
3. This permit is not transferable whether by operation of law or otherwise, from person to person, from place to place, or from one piece of equipment to another without the approval of the Department of Health, except as provided in HAR, Section 11-60.1-91.  
  
(Auth.: HAR §11-60.1-7; SIP §11-60-9)<sup>2</sup>
4. A request for transfer from person to person shall be made on forms furnished by the Department of Health.  
  
(Auth.: HAR §11-60.1-7)
5. In the event of any changes in control or ownership of the facilities to be constructed or modified, this permit shall be binding on all subsequent owners and operators. The permittee shall notify the succeeding owner and operator of the existence of this permit and its conditions by letter, copies of which will be forwarded to the Department of Health and the U.S. Environmental Protection Agency (EPA), Region 9.  
  
(Auth.: HAR §11-60.1-5, §11-60.1-7, §11-60.1-94)
6. The facility covered by this permit shall be constructed and operated in accordance with the application, and any information submitted as part of the application, for the Covered Source Permit. There shall be no deviation unless additional or revised plans are submitted to and approved by the Department of Health, and the permit is amended to allow such deviation.  
  
(Auth.: HAR §11-60.1-2, §11-60.1-4, §11-60.1-82, §11-60.1-84, §11-60.1-90)
7. This permit (a) does not release the permittee from compliance with other applicable statutes of the State of Hawaii, or with applicable local laws, regulations, or ordinances, and (b) shall not constitute, nor be construed to be an approval of the design of the covered source.

(Auth.: HAR §11-60.1-5, §11-60.1-82)

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

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

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

(Auth.: HAR §11-60.1-90)

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

(Auth.: HAR §11-60.1-90)

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

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

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

(Auth.: HAR §11-60.1-90)

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

(Auth.: HAR §11-60.1-90)

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

- a. The **anticipated date of initial start-up** for each emission unit of a new source or significant modification not more than sixty (60) days or less than thirty (30) days prior to such date;
- b. The **actual date of construction commencement** within fifteen (15) days after such date; and
- c. The **actual date of start-up** within fifteen (15) days after such date.

(Auth.: HAR §11-60.1-90)

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

(Auth.: HAR §11-60.1-14, §11-60.1-90)

16. The permittee shall notify the Department of Health in writing, of the **intent to shut down air pollution control equipment for necessary scheduled maintenance** at least twenty-four (24) hours prior to the planned shutdown. The submittal of this notice shall not be a defense to an enforcement action. The notice shall include the following:
- 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:**
- Identification of each affected emission point and each emission limit exceeded;
  - Magnitude of each excess emission;
  - Time and duration of each excess emission;
  - Identity of the process or control equipment causing the excess emission;
  - Cause and nature of each excess emission;

- f. Description of the steps taken to remedy the situation, prevent a recurrence, limit the excessive emissions, and assure that the malfunction or breakdown does not interfere with the attainment and maintenance of the National Ambient Air Quality Standards and state ambient air quality standards;
- g. Documentation that the equipment or process was at all times maintained and operated in a manner consistent with good practice for minimizing emissions; and
- h. A statement that the excess emissions are not part of a recurring pattern indicative of inadequate design, operation, or maintenance.

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

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

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

(Auth.: HAR §11-60.1-14, §11-60.1-90)

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

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

(Auth.: HAR §11-60.1-9, §11-60.1-90)

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

(Auth.: HAR §11-60.1-9, §11-60.1-90)

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

(Auth.: HAR §11-60.1-90)

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

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

23. The permittee shall allow the Director of Health, the Regional Administrator for the U.S. EPA and/or an authorized representative, upon presentation of credentials or other documents required by law:
- a. To enter the premises where a source is located or emission-related activity is conducted, or where records must be kept under the conditions of this permit and inspect at reasonable times all facilities, equipment, including monitoring and air pollution control equipment, practices, operations, or records covered under the terms and conditions of this permit and request copies of records or copy records required by this permit; and
  - b. To sample or monitor at reasonable times substances or parameters to ensure compliance with this permit or applicable requirements of HAR, Chapter 11-60.1.
- (Auth.: HAR §11-60.1-11, §11-60.1-90)
24. Within thirty (30) days of **permanent discontinuance of the construction, modification, relocation, or operation of the facility covered by this permit**, the discontinuance shall be reported in writing to the Department of Health by a responsible official of the source.
- (Auth.: HAR §11-60.1-8; SIP §11-60-10)<sup>2</sup>
25. Each permit renewal application shall be submitted to the Department of Health and the U.S. EPA Region 9 no less than twelve months and no more than eighteen months prior to the permit expiration date. The director may allow a permit renewal application to be submitted no less than six months prior to the permit expiration date, if the director determines that there is reasonable justification.
- (Auth.: HAR §11-60.1-101, 40 CFR §70.5(a)(1)(iii))<sup>1</sup>
26. The terms and conditions included in this permit, including any provision designed to limit a source's potential to emit, are federally enforceable unless such terms, conditions, or requirements are specifically designated as not federally enforceable.
- (Auth.: HAR §11-60.1-93)
27. The compliance plan and compliance certification submittal requirements shall be in accordance with HAR, Sections 11-60.1-85 and 11-60.1-86. As specified in HAR, Section 11-60.1-86, the compliance certification shall be submitted to the Department of Health and the U.S. EPA Region 9 once per year, or more frequently as set by any applicable requirement.
- (Auth.: HAR §11-60.1-90)

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

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

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

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

(Auth.: HAR §11-60.1-4, §11-60.1-90)

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

(Auth.: HAR §11-60.1-5, §11-60.1-90)

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<sup>1</sup>The citations to the Code of Federal Regulations (CFR) identified under a particular condition, indicate that the permit condition complies with the specified provision(s) of the CFR. Due to the integration of the preconstruction and operating permit requirements, permit conditions may incorporate more stringent requirements than those set forth in 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. 0603-01-CT**

**Issuance Date:**

**Expiration Date: January 16, 2011**

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**

1. This permit encompasses the following:

a. 730 TPH Portable Crushing Plant which includes the following equipment and associated appurtenances:

- i. One (1) 730 TPH Pioneer primary jaw crusher, model 4248, serial no. 4248-96;
- ii. One (1) 503 HP Caterpillar diesel engine, model 3408, serial no. 67U-16687;
- iii. Water spray system; and
- iv. Various conveyors.

b. 505 TPH Portable Crushing Plant which includes the following equipment and associated appurtenances:

- i. One (1) 505 TPH Terex/Cedarapids jaw crusher with vibrating grizzly feeder, model Cobratrack 1100, serial no. 53224;
- ii. One (1) Cummins 300 HP diesel engine, model QSL-9, serial no. 46426239;
- iii. Water spray system; and
- iv. Various conveyors.

(Auth.: HAR §11-60.1-3)

2. An identification tag or name plate shall be displayed on each crusher and diesel engine, provided under Special Conditions A.1.a and A.1.b to show manufacturer, model no., and serial no. 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 730 and 505 TPH Portable Crushing Plants, provided for under Special Conditions A.1.a and A.1.b, are each 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. Crushing Plants

- a. The total operating hours of each portable crushing plant, provided for under Special Conditions A.1.a and A.1.b, shall not exceed 2,080 hours in any rolling twelve (12) month period.
- b. The two portable crushing plants, provided for under Special Conditions A.1.a and A.1.b, may be operated concurrently, provided they are operated at different locations.

(Auth.: HAR §11-60.1-3, §11-60.1-90)

#### 2. Fugitive Dust and Emissions

- a. The permittee shall not cause to be discharged into the atmosphere from any crusher, fugitive emissions with greater than fifteen (15) percent opacity.
- b. The permittee shall not cause to be discharged into the atmosphere from any material transfer point on the belt conveyors or from any other affected facility, fugitive emissions with greater than ten (10) percent opacity.
- c. 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 of Health may at any time require the permittee to further abate fugitive dust emissions if an inspection indicates poor or insufficient control.
- d. 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, §11-60.1-161; 40 CFR §60.672)<sup>1</sup>

3. Water Sprays

- a. Water spray bars shall be installed, maintained, and used as necessary during operation of each portable crushing plant, provided for under Special Conditions A.1.a and A.1.b, to minimize fugitive dust at the following material drop off points:
  - i. Transfer to side conveyor;
  - ii. Transfer from crusher to conveyor; and
  - iii. Transfer from conveyor to stockpile.
- b. The Department of Health at any time may require additional water sprays and/or manual water spraying at specific locations if an inspection indicates that more control of fugitive dust is needed.
- c. Each portable crushing plant, provided for under Special Conditions A.1.a and A.1.b, shall not be operated if observation, or routine inspection as provided for under Special Condition D.4.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.
- d. 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

- a. The stack height of the 503 HP diesel engine, provided for under Special Condition A.1.a.ii, shall be constructed to be a minimum of 6 meters (19' - 8") above ground. Certification of the final stack height of the 503 HP diesel engine shall be provided to the Department of Health in accordance with Special Condition E.2.
- b. Each diesel engine, provided for under Special Conditions A.1.a.ii and A.1.b.ii, shall only be fired on fuel oil no. 2 with a maximum sulfur content not to exceed 0.5% by weight.
- c. For any six (6) minute averaging period, each diesel engine, provided for under Special Conditions A.1.a.ii and A.1.b.ii, shall not exhibit visible emissions of twenty (20) percent or greater, except as follows: during start-up, shutdown, or equipment breakdown, each diesel engine 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, §11-60.1-32, §11-60.1-90)

5. Plant Maintenance

Each portable crushing plant, provided for under Special Conditions A.1.a and A.1.b, including the diesel engine and water spray system, 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.
- b. Subsequent location changes of either portable crushing plant, provided for under Special Conditions A.1.a and A.1.b, 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 and HAR §11-60.1-91)

7. Alternate Operating Scenario

The permittee may replace either or both of the diesel engines, provided for under Special Conditions A.1.a.ii and A.1.b.ii, with a temporary replacement unit if repair work reasonably warrants removal of the unit (e.g., equipment failure, engine overhaul, or any other major problems requiring maintenance for efficient operation), provided the following provisions are adhered to:

- a. A written notification is submitted in accordance with Special Condition No. E.8.a and approval obtained from the Department of Health prior to exchanging either or both of the diesel engines, provided for under Special Conditions A.1.a.ii and A.1.b.ii, with another unit. The notification shall include removal and return dates, and details on the make, size, model and serial numbers for both the primary and temporary replacement units.
- b. The temporary replacement unit has an equal or lesser power capacity than the primary diesel engine with equal or lower emissions.
- c. The temporary replacement unit complies with all applicable conditions required for the primary diesel engine, including all operating restrictions and emission limits.
- d. The primary diesel engine will be repaired and returned to service in a timely manner.

- e. Written notification for returning the primary engine to service is submitted to the Department of Health in accordance with Special Condition No. E.8.b.

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

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

##### 1. Records

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, calibration, and repair records, and copies of all reports required by this permit. These records shall be true, accurate, maintained in a permanent form suitable for inspection and made available to the Department of Health or its representative upon request.

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

##### 2. Portable Crushing Plants

###### a. Processed Material

Records on the total tons of material processed shall be maintained on a monthly and annual basis for each portable crushing plant, provided for under Special Conditions A.1.a and A.1.b, for the purpose of annual emissions reporting.

###### b. Location

Records on the location of each portable crushing plant, provided for under Special Conditions A.1.a and A.1.b, shall be maintained, along with the date that each crushing plant was moved to a new location and the time duration at each different location, for the purpose of determining compliance with Special Condition C.1.b.

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

##### 3. Diesel Engines

###### a. Operating Hours

The permittee shall install, operate, and maintain a non-resetting hour meter on each diesel engine, provided for under Special Conditions A.1.a.ii and A.1.b.ii, to determine and represent the operating hours of its respective portable crushing plant in order to determine compliance with Special Condition C.1.a. Records shall include:

- i. Date of meter reading;
- ii. Reading at the beginning of each month;
- iii. Total operating hours for each month; and

- iv. Total operating hours on a 12-month rolling basis.
- b. Fuel

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 each diesel engine shall be maintained. 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.

(Auth.: HAR §11-60.1-3, §11-60.1-90)

#### 4. Water Spray System

- a. For each water spray system, provided for under Special Conditions A.1.a.iii and A.1.b.iii, the following shall be installed, operated and maintained:
  - i. Flow meter to measure the flow rate of the water spray system in gallons per minute; and
  - ii. Non-resetting water meter to record the total gallons of water used by the system.
- b. The water spray system, including the water pump, piping system, spray nozzles and any gauges, including the meters provided for in Special Condition D.4.a, shall be checked routinely or at least once per month to ensure proper operation of the water spray system.

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

#### 5. Inspection, Maintenance, and Repair Log

The permittee shall maintain records on inspections, maintenance, and repair work performed on both of the portable crushing plants, provided for under Special Conditions A.1.a and A.1.b. Records shall include:

- a. Date that the inspection, maintenance, or repair work was performed;
- b. A description of the findings and any work performed on the equipment covered by this permit, including the parts inspected and repaired; and
- c. Name and title of personnel performing the inspection or work.

(Auth.: HAR §11-60.1-3, §11-60.1-90)

#### 6. Visible Emissions (V.E.)

- a. V.E. Observations

For monthly and annual V.E. observations, two consecutive sets of observations shall be recorded. Each set shall last six minutes in duration and consist of twenty-four (24) readings taken at fifteen (15) second intervals. Records shall be completed and maintained in accordance with the enclosed "Visible Emissions Form Requirements."

b. Annual Observations

Annual V.E. observations shall be conducted by a certified reader in accordance with 40 CFR Part 60, Appendix A, Method 9.

c. Monthly Observations

Monthly V.E. observations shall be conducted in accordance with 40 CFR Part 60, Appendix A, Method 9, or by using the Ringelmann Chart provided. Monthly observations need not be conducted by a certified reader.

d. Diesel Engines

- i. The permittee shall conduct **annual** (*calendar year*) V.E. observations for the 503 and 300 HP diesel engines in accordance with Special Conditions D.6.a and D.6.b.
- ii. Except in those months where annual V.E. observations are conducted for the 503 and 300 HP diesel engines, the permittee shall conduct **monthly** (*calendar month*) V.E. observations in accordance with Special Conditions D.6.a and D.6.c.
- iii. When conducting V.E. observations for the 503 and 300 HP diesel engines, the distance between the observer and the diesel engine shall be at least three (3) stack heights, but not more than 402 meters (0.25 miles).
- iv. Upon written request and justification by the permittee, the Department of Health may waive the requirement for the **annual** V.E. observations for either or both of the diesel engines. The waiver request shall be submitted prior to the required annual V.E. observations 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 documentation that diesel engine operation has not changed since the previous **annual** V.E. observations. Please note that if the annual V.E. observations requirement is waived, monthly V.E. observations must still be performed in accordance with Special Condition D.6.c.

e. Crusher and Material Transfer Points

- i. Except in those months when a performance test is conducted on either of the crushing plants, pursuant to Special Condition D.7, the permittee shall conduct **monthly** (*calendar month*) V.E. observations of each of the portable crushing plants in accordance with Special Conditions D.6.a and D.6.c of this attachment.

- ii. For V.E. observations of the crusher and material transfer points, the observer shall comply with the following:
  - (1) The minimum distance between the observer and the emission source shall be 4.57 meters (15 feet);
  - (2) 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
  - (3) The observer shall record the operating capacity (tons per hour) of the respective crusher at the time the observations are made.

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

#### 7. Performance Test

An initial source performance test for the 730 TPH crushing plant, provided for under Special Condition A.1.a, as well as annual source performance tests for both crushing plants, provided for under Special Conditions A.1.a and A.1.b, shall be conducted pursuant to Section F. Records of test plans, summaries and results shall be maintained.

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

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

1. Notification and reporting pertaining to the following events shall be done in accordance with Attachment I, Standard Conditions Nos. 14, 16, 17 and 25, respectively:
  - a. *Anticipated date of initial start-up of the 730 TPH crushing plant, and its 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. Certification of Stack Height

Within **thirty (30) days** after installation of the 503 HP diesel engine is completed, the permittee shall provide the Department of Health with a certification of the final stack height, indicating the date on which stack construction was completed.

3. Deviations

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)

4. Performance Testing

- a. At least **thirty (30) days prior** to conducting a source performance test pursuant to Section F, the permittee shall submit a written performance test plan to the Department of Health in accordance with Special Condition 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 F.7.

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

5. 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).

- a. *Monitoring/Annual Emissions Report: Diesel Engines*

For each diesel engine, report on:

- i. Total operating hours on a monthly and rolling 12-month rolling basis;
- ii. Type of fuel and maximum sulfur content (% by weight) used during the reporting period.
- iii. Annual fuel consumption in gallons per year for each fuel used. Report this information in the second semi-annual report of each calendar year.
- iv. Any instances when the two portable crushing plants, provided for under Special Conditions A.1.a and A.1.b, were operated concurrently at the same location.

- b. *Monitoring Report Form: Opacity Exceedances*

Identify any opacity exceedances as determined by the required V.E. monitoring of the portable crushing plants and diesel engines. For each exceedance, report 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 state so on the report.

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

## 6. Annual Emissions Reports

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. The permittee shall submit the following reports to the Department of Health **annually**:

- a. *Annual Emissions Report Form - Portable Crushing Plants*
- b. *Monitoring/Annual Emissions Report: Diesel Engines*

(Auth.: HAR §11-60.1-3, §11-60.1-90)

## 7. Compliance Certification Form

During the permit term, the permittee shall submit at least **annually** to the Department of Health and U.S. EPA Region 9, the enclosed compliance certification form 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. Identification of each permit term or condition 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)

8. Alternate Operating Scenario

For interchanging the primary diesel engine with a temporary replacement unit, the permittee shall submit:

- a. Written notification prior to exchanging the primary equipment with a temporary replacement unit. The notification shall identify the reason(s) for the replacement, replacement and primary engine serial numbers, replacement engine specifications and model number, the estimated emissions (tons per year, pounds per hour, and grams per second) for the temporary replacement engine, and an ambient air quality impact assessment, if requested, for the temporary engine(s) at the location of replacement.
- b. Written notification **within fifteen (15) days** after removing the replacement engine and returning the primary engine to service. The notification shall identify the beginning and ending dates of operation for the primary diesel engine and temporary replacement unit.

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

**Section F. Testing Requirements**

1. Performance Testing

a. Initial Performance Test

Within **sixty (60) days** after achieving the maximum production rate of the 730 TPH crushing plant, but not later than **one hundred eighty (180) days** after initial start-up, the permittee shall conduct or cause to be conducted performance tests on the 730 TPH crushing plant, provided for under Special Condition A.1.a, to determine the opacity of emissions.

(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</sup>

b. Annual Performance Test

The permittee shall conduct or cause to be conducted performance tests on each of the crushing plants, provided for under Special Conditions A.1.a and A.1.b, on an **annual** basis or at such times as may be specified by the Department of Health, to

determine the opacity of emissions. Test 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 emission controls.

(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</sup>

## 2. Test Methods

- a. The performance tests for each portable crushing plant 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. In addition, the observer shall comply with the following 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;
  - iii. The observer shall record the operating capacity (tons per hour) of the plant at the time observations were made; and
  - iv. The observer shall record the water spray flow rate.

(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 for crushers, provided under Special Condition C.2.a, 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 one-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 for transfer points, provided under Special Condition C.2.b, 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 one-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, provided under Special Conditions C.2.a and C.2.b, 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; and
  - 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>

3. Test Expense and Monitoring

The performance tests shall be made at the expense of the permittee and shall be conducted at the maximum expected operating capacity of the portable crushing plant and diesel engine. 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. Test Plan

**At least thirty (30) days prior to conducting the performance test** for the portable crushing plant and diesel engine, the permittee shall submit a written performance test plan to the Department of Health 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 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. Test Scheduling

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>

6. Test 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 of Health before the tests.

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

7. Test Report

Within **sixty (60) days** after completion of the performance test for the portable crushing plant and the diesel engine, the permittee shall submit to the Department of Health 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., 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 plant.

The normal operating flow rate (gal/min) of the water spray system shall be determined by the 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>

8. Test Waiver

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

(Auth.: HAR §11-60.1-3, §11-60.1-90)

**Section G. Change of Location Requirements**

1. The permittee shall complete and 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, and 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. List of equipment to be used at the site and identifying equipment numbers;
- e. Location map of the proposed new location showing the following information:
  - i. Identification of the property boundary, any fence lines, and general terrain features (i.e., flat, hilly, steep);
  - ii. Location and identification of the specific equipment that will be moved; and
  - iii. Location and identification of all structures within 100 meters of the equipment. Provide the building dimensions (height, length, width and distance to equipment stack) of all structures that have heights greater than 40% of the stack height of the equipment.
- f. Area map showing the equipment and the new proposed location;
- g. Projected dates of operation at the new location;
- h. Identification of any other air pollution sources at the new 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, §11-60.1-5, §11-60.1-90, §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 **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. The Department of Health may impose additional operational controls and restrictions for a particular location if a site evaluation indicates additional emission controls are necessary.

(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,"* along with the location and area maps showing the equipment and the new proposed location.

CSP No. 0603-01-CT  
Attachment II  
Page 16 of 16  
Issuance Date:  
Expiration Date: January 16, 2011

PROPOSED

(Auth.: HAR §11-60.1-3, §11-60.1-91)

**Section H. 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 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. 0603-01-CT**

**Issuance Date:**

**Expiration Date: January 16, 2011**

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

**Section A. Equipment Description**

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

(Auth.: HAR §11-60.1-3)

**Section B. Operational Limitations**

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

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

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

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

**Section C. Monitoring and Recordkeeping Requirements**

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

(Auth.: HAR §11-60.1-3, §11-60.1-90)

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

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

**Section D. Notification and Reporting**

Compliance Certification

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

1. The identification of each term or condition of the permit that is the basis of the certification;
2. The compliance status;
3. Whether compliance was continuous or intermittent;
4. The methods used for determining the compliance status of the source currently and over the reporting period;
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; and
6. 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.

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.

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. 0603-01-CT**

**Issuance Date:**

**Expiration Date: January 16, 2011**

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

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

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

**ATTACHMENT IV: ANNUAL EMISSIONS REPORTING REQUIREMENTS  
TEMPORARY COVERED SOURCE PERMIT NO. 0603-01-CT**

**Issuance Date:**

**Expiration Date: January 16, 2011**

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: Portable Crushing Plants  
Monitoring/Annual Emissions Report Form: Diesel Engines**

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

**COMPLIANCE CERTIFICATION FORM  
TEMPORARY COVERED SOURCE PERMIT NO.0603-01-CT  
PAGE 1 OF \_\_\_\_**

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

**Expiration Date:** January 16, 2011

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.0603-01-CT  
 (CONTINUED, PAGE 2 OF \_\_\_)**

**Issuance Date:**

**Expiration Date: January 16, 2011**

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.

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

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

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

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

**PROPOSED**

**COMPLIANCE CERTIFICATION FORM  
 TEMPORARY COVERED SOURCE PERMIT NO.0603-01-CT  
 (CONTINUED, PAGE \_\_\_ OF \_\_\_)**

**Issuance Date:**

**Expiration Date: January 16, 2011**

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

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

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

**(Make Additional Copies if Needed)**

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

**Issuance Date:**

**Expiration Date: January 16, 2011**

**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  
PORTABLE CRUSHING PLANTS  
TEMPORARY COVERED SOURCE PERMIT NO. 0603-01-CT**

**Issuance Date:**

**Expiration Date:** January 16, 2011

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: **E.M. Rivera & Sons, Inc.**

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

<b>730 TPH Portable Crushing Plant</b>		
<b>Operation</b>	<b>Materials Processed (tons/year)</b>	<b>Air Pollution Control Used</b>
Truck Unloading		
Crushing		
Truck Loading		
Conveyors		
Stockpiles		
<b>Current Plant Location:</b>		
<b>Maximum tons/hour of material entering crusher:</b>		

<b>505 TPH Portable Crushing Plant</b>		
<b>Operation</b>	<b>Materials Processed (tons/year)</b>	<b>Air Pollution Control Used</b>
Truck Unloading		
Crushing		
Truck Loading		
Conveyors		
Stockpiles		
<b>Current Plant Location:</b>		
<b>Maximum tons/hour of material entering crusher:</b>		

**PROPOSED**

**MONITORING/ANNUAL EMISSIONS REPORT FORM: DIESEL ENGINES  
TEMPORARY COVERED SOURCE PERMIT NO. 0603-01-CT  
(PAGE 1 OF 2)**

**Issuance Date:**

**Expiration Date: January 16, 2011**

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: **E.M. Rivera & Sons, Inc.**

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

Table 1: Report on the operating hours of each diesel engine.

<b>Table 1: Diesel Engine Operating Hours</b>				
<b>Month</b>	<b>503 HP DE</b>		<b>300 HP DE</b>	
	<b>Monthly Basis</b>	<b>Rolling 12-Month Basis</b>	<b>Monthly Basis</b>	<b>Rolling 12-Month Basis</b>
<b>Jan.</b>				
<b>Feb.</b>				
<b>Mar.</b>				
<b>Apr.</b>				
<b>May</b>				
<b>Jun.</b>				
<b>Jul.</b>				
<b>Aug.</b>				
<b>Sep.</b>				
<b>Oct.</b>				
<b>Nov.</b>				
<b>Dec.</b>				

**PROPOSED**

**MONITORING/ANNUAL EMISSIONS REPORT FORM: DIESEL ENGINES  
 TEMPORARY COVERED SOURCE PERMIT NO. 0603-01-CT  
 (CONTINUED, PAGE 2 OF 2)**

Issuance Date:

Expiration Date: January 16, 2011

Table 2: Report on the fuels used by each diesel engine.

<b>Table 2: Diesel Engine Fuel Certification</b>			
<b>Diesel Engine</b>	<b>Type of Fuel</b>	<b>Max. Sulfur Content (% by Wt.)</b>	<b>Annual Fuel Consumption (gal/yr) Report in 2nd semi-annual report period for the calendar year.</b>
<b>503 HP Caterpillar</b>			
<b>300 HP Cummins</b>			

Table 3: Report on any incidents where the two crushing plants were operated concurrently at the same location. For these incidents, report the date, time, and duration of the incident, location of each plant, and the approximate distance between the two plants. If no such incidents occurred, state so below.

<b>Table 3: Concurrent Operations of Two Crushing Plants at the Same Location</b>				
1.	Date:		Start Time:	
	Duration (hours):		End Time:	
	730 TPH Plant Location:			
	505 TPH Plant Location:			
	Distance between 503 HP & 300 HP diesel engine stacks:			
2.	Date:		Start Time:	
	Duration (hours):		End Time:	
	730 TPH Plant Location:			
	505 TPH Plant Location:			
	Distance between 503 HP & 300 HP diesel engine stacks:			



**CHANGE OF LOCATION REQUEST  
FOR A TEMPORARY SOURCE  
TEMPORARY COVERED SOURCE PERMIT NO. 0603-01-CT**

**Issuance Date:**

**Expiration Date: January 16, 2011**

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

(Make Copies for Future Use)

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

Covered Sources

- \$100.00 for Non-Air Toxic  
 \$1,000.00 for Air Toxic

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

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

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

**CHANGE OF LOCATION REQUEST  
FOR A TEMPORARY SOURCE  
TEMPORARY COVERED SOURCE PERMIT NO. 0603-01-CT  
(PAGE 1 OF 2)**

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

**Expiration Date:** January 16, 2011

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

**6. New Location Information**

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

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

**CHANGE OF LOCATION REQUEST  
FOR A TEMPORARY SOURCE  
TEMPORARY COVERED SOURCE PERMIT NO. 0603-01-CT  
(CONTINUED, PAGE 2 OF 2)**

**Issuance Date:**

**Expiration Date:** January 16, 2011

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

**VISIBLE EMISSIONS FORM REQUIREMENTS  
STATE OF HAWAII  
TEMPORARY COVERED SOURCE PERMIT NO. 0603-01-CT**

**Issuance Date:**

**Expiration Date: January 16, 2011**

The **Visible Emissions (V.E.) 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 or use of a Ringelmann Chart as provided. At least **annually** (*calendar year*), V.E. observation shall be conducted for each equipment subject to opacity limits by a certified reader in accordance with Method 9. The V.E. Form 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 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 V.E. Form using the symbols as shown.
3. For V.E. observations of stacks, stand at least three (3) stack heights but not more than a quarter mile from the stack.
4. For V.E. observations of fugitive emissions from crushing and screening plants, stand at least 4.57 meters (15 feet) from the visible emissions source, but not more than a quarter mile from the visible emission 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 (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 V.E. Forms for recordkeeping. These records shall be in a permanent form suitable for inspection, retained for a minimum of five 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 V.E. monitoring requirements for the month the performance test is performed.

# PROPOSED

**VISIBLE EMISSIONS FORM**  
**TEMPORARY COVERED SOURCE PERMIT NO.0603-01-CT**

**Issuance Date:** \_\_\_\_\_ **Expiration Date:** January 16, 2011

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

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

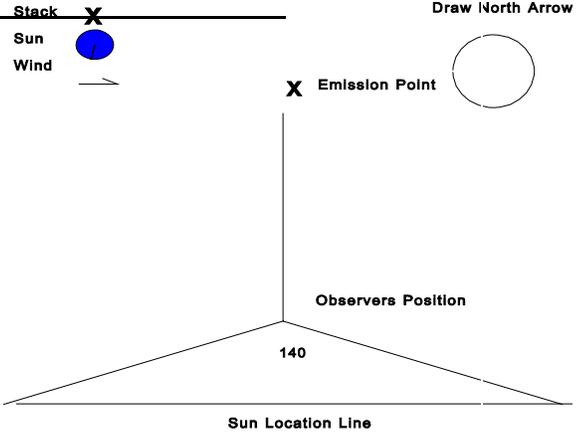
For stacks, describe equipment and fuel: \_\_\_\_\_

For fugitive emissions from crushers and screens, describe:

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

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

(During observation)



**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 (°F): \_\_\_\_\_

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

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

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

Method of observation (Ringelmann Chart or Method 9): \_\_\_\_\_

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

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

Method of observation (Ringelmann Chart or Method 9): \_\_\_\_\_

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