

PROPOSED

[Issuance Date]

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

06-XXXE CAB
File No. 0549-02

Mr. William C. Degele
Civil Operations Manager
Keauhou Kona Construction Corporation
P. O. Box 9007
Kailua-Kona, Hawaii 96745

Dear Mr. Degele:

**Subject: Temporary Covered Source Permit (CSP) No. 0549-01-CT
Significant Modification Application No. 0549-02
Keauhou Kona Construction Corporation
325 TPH and 950 TPH Portable Stone Crushing and Processing Plants
with 500 hp Cummins, 587 hp Caterpillar, and 1110 hp Detroit Diesel
Diesel Engine Generators
Located at: Various Temporary Sites, State of Hawaii
Initial Location: Kaupulehu, North Kona, Hawaii
Date of Expiration: March 30, 2009**

The subject temporary covered source permit is amended in accordance with Hawaii Administrative Rules (HAR), Title 11, Chapter 60.1. This amendment allows for the addition of a 1110 hp Detroit Diesel diesel engine generator to the subject permit. This amendment also deletes the 340-380 TPH Kue Ken primary jaw crusher, the 210 TPH Telsmith cone crusher, the 275 hp Caterpillar diesel engine, and the 360 kW Detroit Diesel diesel engine generator from the subject permit. The issuance of this amended permit is based on the plans, specifications and information you submitted as part of your application received on January 19, 2006 and a letter you sent dated February 15, 2006. This permit supersedes CSP No. 0549-01-CT issued on April 12, 2005, in its entirety.

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

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

Mr. William C. Degele
[Issuance Date]
Page 2

PROPOSED

The forms for submission are as follows:

Compliance Certification Form	
Annual Emissions Report Form:	Crushing and Processing Plant Production
Annual Emissions/Monitoring Report Form:	Diesel Engine Generator Fuel Consumption
Monitoring Report Form:	Diesel Engine Generator Operating Hours
Monitoring Report Form:	Plant Operating Hours
Monitoring Report Form:	Visible Emissions
Change of Location Request for a Temporary Source Form	

The following are for use in monitoring visible emissions:

Visible Emissions Form Requirements State of Hawaii
Visible Emissions Form State of Hawaii; and
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

GN:jhm

Enclosures

c: Wendell Sano, EHS - Kona
CAB Monitoring Section

**ATTACHMENT I: STANDARD CONDITIONS
TEMPORARY COVERED SOURCE PERMIT NO. 0549-01-CT**

[Issuance Date]

Expiration Date: March 30, 2009

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)²
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)²
4. A request for transfer from person to person shall be made on forms furnished by the Department of Health.

(Auth.: HAR §11-60.1-7)
5. In the event of any changes in control or ownership of the facilities to be constructed or modified, this permit shall be binding on all subsequent owners and operators. The permittee shall notify the succeeding owner and operator of the existence of this permit and its conditions by letter, copies of which will be forwarded to the Department of Health and the U.S. Environmental Protection Agency (EPA), Region 9.

(Auth.: HAR §11-60.1-5, §11-60.1-7, §11-60.1-94)
6. The facility covered by this permit shall be constructed and operated in accordance with the application, and any information submitted as part of the application, for the Covered Source Permit. There shall be no deviation unless additional or revised plans are submitted to and approved by the Department of Health, and the permit is amended to allow such deviation.

(Auth.: HAR §11-60.1-2, §11-60.1-4, §11-60.1-82, §11-60.1-84, §11-60.1-90)

7. This permit (a) does not release the permittee from compliance with other applicable statutes of the State of Hawaii, or with applicable local laws, regulations, or ordinances, and (b) shall not constitute, nor be construed to be an approval of the design of the covered source.

(Auth.: HAR §11-60.1-5, §11-60.1-82)

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

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

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

(Auth.: HAR §11-60.1-90)

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

(Auth.: HAR §11-60.1-90)

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

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

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

(Auth.: HAR §11-60.1-90)

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

(Auth.: HAR §11-60.1-90)

14. The permittee shall notify the Department of Health and U.S. EPA Region 9 in writing of the following dates:
- a. The **anticipated date of initial start-up** for each emission unit of a new source or significant modification not more than sixty (60) days or less than thirty (30) days prior to such date;
 - b. The **actual date of construction commencement** within fifteen (15) days after such date; and
 - c. The **actual date of start-up** within fifteen (15) days after such date.

(Auth.: HAR §11-60.1-90)

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

(Auth.: HAR §11-60.1-14, §11-60.1-90)

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

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

17. **Except for emergencies which result in noncompliance with any technology-based emission limitation in accordance with HAR, Section 11-60.1-16.5, in the event any emission unit, air pollution control equipment, or related equipment malfunctions or breaks down in such a manner as to cause the emission of air pollutants in violation of HAR, Chapter 11-60.1 or this permit,** the permittee shall immediately notify the Department of Health of the malfunction or breakdown, unless the protection of personnel or public health or safety demands immediate attention to the malfunction or breakdown and makes such notification infeasible. In the latter case, the notice shall be provided as soon as practicable. Within five (5) working days of this initial notification, the permittee shall also submit, in writing, the following information:
- a. Identification of each affected emission point and each emission limit exceeded;
 - b. Magnitude of each excess emission;
 - c. Time and duration of each excess emission;
 - d. Identity of the process or control equipment causing the excess emission;
 - e. Cause and nature of each excess emission;
 - f. Description of the steps taken to remedy the situation, prevent a recurrence, limit the excessive emissions, and assure that the malfunction or breakdown does not interfere with the attainment and maintenance of the National Ambient Air Quality Standards and state ambient air quality standards;
 - g. Documentation that the equipment or process was at all times maintained and operated in a manner consistent with good practice for minimizing emissions; and
 - h. A statement that the excess emissions are not part of a recurring pattern indicative of inadequate design, operation, or maintenance.

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

(Auth.: HAR §11-60.1-16; SIP §11-60-16)²

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)²

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))¹

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

CSP No. 0549-01-CT
Attachment I
Page 7 of 7
[Issuance Date]
Expiration Date: March 30, 2009

PROPOSED

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)

¹ 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.

² 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. 0549-01-CT**

[Issuance Date]

Expiration Date: March 30, 2009

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 covered source permit consists of the following equipment and associated appurtenances:
 - a. 325 TPH Minyu jaw crusher, 30" x 42", model no. MS-4230, identification no. 207 with El-Jay vibratory feeder, 46" x 16';
 - b. 950 TPH Telsmith jaw crusher, 38" x 58", model no. 3858, serial no. 222M8214 with vibrating grizzly feeder, 20' x 54";
 - c. 380 TPH Cedarapids cone crusher, model no. 1313, identification no. 23JO791 with Cedarapids three-deck screen, model no. FSG616332, 6' x 16', identification no. 34G0689;
 - d. 505 hp Cummins diesel engine generator, model no. KT-1150-G, serial no. 31118276;
 - e. 587 hp Caterpillar diesel engine generator, model no. 3406C, serial no. 4ZR06944;
 - f. 1110 hp Detroit Diesel diesel engine generator, model no. 16V-FO7336, ID no. 8163-7405;
 - g. Various conveyors; and
 - h. Water spray system(s).

(Auth.: HAR 11-60.1-3)

2. An identification tag or name plate shall be attached to the primary jaw crushers, cone crusher, three-deck screen, and diesel engine generators listed above, which identifies the manufacturer, model no., and serial or identification no. The identification tag or name plate shall be permanently attached to the equipment at a conspicuous location.

(Auth.: HAR §11-60.1-5, §11-60.1-90)

Section B. Applicable Federal Regulations

1. The 325 TPH and 950 TPH portable stone crushing and processing plants, excluding the diesel engine generators, are subject to the provisions of the following federal regulations:
 - a. 40 CFR Part 60 Standards of Performance for New Stationary Sources, Subpart A, General Provisions; and
 - b. 40 CFR Part 60 Standards of Performance for New Stationary Sources, Subpart OOO, Standards of Performance for Nonmetallic Mineral Processing Plants.

2. The permittee shall comply with all applicable provisions of these standards, including all emission limits and all 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, §60.670)¹

Section C. Operational Limitations

1. Hour Limitations

- a. The total operating hours of the 325 TPH primary plant shall not exceed 2,500 hours per any rolling twelve-month (12-month) period.
- b. The total operating hours of the 950 TPH primary plant shall not exceed 2,500 hours per any rolling twelve-month (12-month) period.
- c. The total operating hours of the 505 hp diesel engine generator shall not exceed 2,500 hours per any rolling twelve-month (12-month) period.
- d. The total operating hours of the 587 hp diesel engine generator shall not exceed 2,500 hours per any rolling twelve-month (12-month) period.
- e. The total operating hours of the 1110 hp diesel engine generator shall not exceed 2080 hours per any rolling twelve-month (12-month) period.
- f. The total operating hours of each diesel engine generator shall not exceed 22 hours per day. The total operating hours of all three diesel engines generators shall not exceed 5,000 hours per any rolling twelve-month (12-month) period.

(Auth.: HAR §11-60.1-3, §11-60.1-90)

2. The diesel engine generators shall be fired only on fuel oil no. 2 with a maximum sulfur content not to exceed 0.5 percent by weight.

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

3. Fugitive Emission Limitations

- a. The permittee shall not cause to be discharged into the atmosphere from any crusher, at which a capture system is not used, 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 belt conveyors or from any other affected facility, 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 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)¹

4. Fugitive Emission Control

- a. The permittee shall take measures to control fugitive dust, for example, wet suppression, enclosures, and dust screens, from the feeder, crushers, screens, at material transfer points, conveyors, stockpiles, and throughout the work yard. 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. The following measures shall be used by the permittee to control fugitive dust:
 - i. A water spray truck shall be operated and maintained at each temporary site for the work yard and stockpiles;
 - ii. A water spray bar/nozzle shall be operated and maintained for the water spray system at the following locations:
 - (1) Each primary crusher;
 - (2) Conveyor transfer to the cone crusher;
 - (3) Conveyor transfer below the cone crusher;
 - (4) Conveyor transfer from the screener; and
 - (5) Conveyor discharge to each stockpile for 950 TPH plant.
 - iii. A hand-held sprayer shall be operated and maintained for the water spray system at the operator platform of the grizzly feeder for each primary crusher.

- b. The water spray truck(s) and water spray system for plant operation at each temporary site shall be properly maintained, kept in good operating condition, and utilized as necessary to control fugitive dust emissions to the requirements specified in Attachment II, Special Condition No. C.3. 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.
- c. The portable crushing and processing plants shall not operate if observation or routine inspection of the wet suppression equipment required by Attachment II, Special Condition No. D.5, shows a significant change in water flow rate, plugged nozzle(s), leak in the piping system, or other problem which affects the efficiency. The permittee shall investigate and correct the problem before resuming operation. The normal operating flow rate in gallons per minute, for the water spray system shall be established in the performance test conducted pursuant to Attachment II, Section F. After review of the performance test results, the Department of Health may set a requirement for minimum operating water flow rate.

(Auth.: HAR §11-60.1-3, §11-60.1-5, §11-60.1-33, §11-60.1-90)

5. Engine Opacity Limitations

- a. For any six (6) minute averaging period, each diesel engine generator shall not exhibit visible emissions of twenty (20) percent opacity or greater, except as follows: during start-up, shutdown, or equipment breakdown, each diesel engine generator may exhibit visible emissions greater than twenty (20) percent opacity but not exceeding sixty (60) percent opacity for a period aggregating not more than six (6) minutes in any sixty (60) minutes.
- b. Each diesel engine generator shall be fired only on fuel oil No. 2 with a maximum sulfur content not to exceed 0.5% by weight.
- c. Each diesel engine generator shall be maintained in good operating condition to promote good combustion and minimize emissions.

(Auth.: HAR §11-60.1-3, §11-60.1-32, §11-60.1-38, §11-60.1-90, SIP §11-60-24)²

6. Engine Stack Height Limitation

The minimum stack height for each diesel engine generator shall be six (6) meters (about 19 feet - 8 inches), except for the new 1110 hp diesel engine generator with the stack height set at 8 m (26 feet – 3 inches).

(Auth: HAR §11-60.1-3, §11-60.1-90)

7. Alternate Operating Scenario

- a. Terms and conditions for reasonably anticipated operating scenario identified by the permittee in the CSP application and approved by the Department of Health are as follows:

The permittee may replace the 1100 hp diesel engine generator (DEG) with a temporary replacement unit if any repair reasonably warrants the removal of the diesel engine generator from its site (that is, equipment failure, engine overhaul, or any major equipment problems requiring maintenance for efficient operation) and the following provisions are adhered to:

- i. Written notification identifying the reasons for the replacement DEG from the site of operation is submitted to and approved by the Department of Health prior to the installation;
- ii. The DEG is replaced with a temporary replacement DEG of the same size or smaller and with equal or lesser emissions;
- iii. The temporary replacement unit complies with all applicable conditions including all air pollution control equipment requirements, operating restrictions, and emission limits;
- iv. The diesel engine generator shall be repaired and returned to service at the same location in a timely manner;
- v. Prior to the removal and return of any DEG, the permittee shall submit to the Department of Health, written documentation on the removal and approximate return dates and on the manufacturer, size, model, and serial number for both the temporary replacement unit and the existing unit;

CSP No. 0549-01-CT
Attachment II
Page 6 of 18
[Issuance Date]
Expiration Date: March 30, 2009

- b. The permittee shall, at the same period of time, with making a change from one operating scenario to another, record in a log at the permitted facility the scenario under which it is operating and, submit written notification to the DOH; and
- c. The terms and conditions under each operating scenario shall meet all applicable requirements, including special conditions of this permit.

(Auth.: HAR §11-60.1-3, §11-60.1-5, §11-60.1-90, §11-60.1-90(9))

8. Location Change

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. Subsequent location changes of the equipment shall be in accordance with this Attachment II, Special Conditions, Section G. For each change in location, the Department of Health reserves the right to impose additional operational controls and restrictions if a site evaluation or air modeling assessment indicates the controls and/or restrictions are necessary.

(Auth: HAR §11-60.1-3, §11-60.1-81, §11-60.1-90)

9. The 1110 hp diesel engine generator shall not operate at the same site and time with another diesel engine generator.

(Auth: HAR §11-60.1-5, §11-60.1-90)

Section D. Monitoring and Recordkeeping

1. Recordkeeping

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

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

2. Production

The permittee shall maintain records to determine the total tons of material processed for the 325 tph and 950 tph portable stone crushing and processing plants for purposes of annual emissions reporting. Records shall include the start and end dates the plant is operated at each location, the type of material, such as soil, cinder, gravel, and amount of material in tons processed at each location.

(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 operated and maintained on each diesel engine generator, for the continuous and permanent recording of the total hours the diesel engine generators have operated. The operating hours of the diesel engine generators shall represent the total hours operated by the 325 TPH plant, and 950 TPH plant for the purposes of the hourly limitations specified in Attachment II, Special Condition No. C.1. The following records shall be kept for the diesel engine generators at each location:

- a. Identification of each diesel engine generator by recording the manufacturer, model no, and serial no;
- b. The date and time of the meter readings;
- c. The beginning meter readings for the operating diesel engine generator for each month;
- d. The total hours operated for each month at each location; and
- e. 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. Fuel Certification

Fuel purchase receipts, showing the fuel type, sulfur content (percent by weight), date of delivery, and amount (gallons) of fuel delivered to each location for each diesel engine generator 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 by the equipment shall be maintained for purposes of annual emissions reporting and the fuel limitation specified in Attachment II, Special Condition No. C.5.b.

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

5. Water Spray System

- a. A non-resetting water flow meter shall be operated and maintained for the portable crushing and processing plants at each temporary site to determine the cumulative gallons of water used for fugitive dust control and gallon per minute flow rate for the water spray system servicing the equipment.
- b. The water spray system at each temporary site, to include connected piping, spray bar, spray nozzle(s), and water flow meter 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, §11-60.1-5, §11-60.1-90)

6. Inspection, Maintenance, and Repair Log

An inspection, maintenance, and repair log shall be maintained for the equipment covered under this permit. Replacement of parts and repairs to the portable crushing and processing plants, diesel engine generators, and water spray system(s) shall be documented. At a minimum, the following records shall be maintained:

- a. The date of the inspection/repair work;
- b. A description of the findings or any maintenance or repair work performed;
- c. The name and title of personnel performing the inspection/work; and
- d. Part(s) inspected or repaired. When replaced, record manufacturer's name, model and serial number.

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

7. Performance Test

Annual source performance testing shall be conducted on the portable crushing and processing plants pursuant to Special Conditions, Section F. Test summaries and results shall be maintained in accordance with the requirements of Section F.

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

8. Visible Emissions (V.E.)

- a. Monthly and annual V.E. records with results of the 325 tph and the 950 tph stone crushing plants and the 505 hp, 587 hp, and 1110 hp diesel engine generators stack exhaust shall be completed and maintained in accordance with the “**Visible Emissions Form Requirements.**”
- b. Except in those months where V.E. observations are conducted pursuant to Special Condition No. D.8.d., the permittee shall conduct **monthly** (*calendar month*) V.E. observations of the diesel engine generators in accordance with 40 CFR Part 60, Appendix A, Method 9 or by use of a Ringelmann Chart as provided. For each monthly observation, the permittee shall record two (2) consecutive observations, each six (6) minutes in duration with readings taken at fifteen (15) second intervals. Records shall be completed and maintained in accordance with the **Visible Emissions Form Requirements.**
- c. Except in those months where a performance test is conducted for fugitive emissions pursuant to Attachment II, Special Conditions, Section F, the permittee shall conduct **monthly** (*calendar month*) V.E. observations for the 325 tph and 950 tph portable stone crushing and processing plant equipment. Observations shall be made at emission points subject to an opacity limit, and shall be performed in accordance with 40 CFR Part 60, Appendix A, Method 9 or by use of a Ringelmann Chart as provided. For each monthly observation the permittee shall record two (2) consecutive observations, each six (6) minute in duration with readings taken at fifteen (15) second intervals. Records shall be completed and maintained in accordance with the **Visible Emissions Form Requirements.** For the V.E. observations of the fugitive emissions from the mobile crushing plant, the observer shall comply with the following additional requirements:
 - i. The minimum distance between the observer and the emission source shall be 4.57 meters (15 feet);
 - ii. The observer shall, when possible, select a position that minimizes interference from other fugitive emission sources. The required observer position relative to the sun, Method 9, Section 2.1, shall be followed; and
 - iii. The observer shall record the operating rate, in tons per hour, of each primary jaw crusher at the time the observations were made.

The DOH may allow observation of a portion of the total emission points at the portable stone crushing and processing plant, if it can be demonstrated that operations have been in compliance with the permit. At a minimum, at least three emission points from the portable stone crushing and processing plant shall be observed each month. The selected points for the plant shall include the crusher and one transfer point, or those points as specified by the DOH. Allowance to observe a portion of the total required emission points shall be obtained in writing from the DOH.

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

- d. The permittee shall conduct **annually**, calendar year, V.E. observations for each diesel engine generator by a certified reader in accordance with Method 9. For the annual observations, 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**.
- e. The DOH 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 fugitive emission points shall be observed each month. The selection of points shall include each of the primary crushers or those points as specified by the DOH. Allowance to observe a portion of the total required fugitive emission points shall be obtained in writing from the DOH.
- f. Upon written request and justification by the permittee, the DOH may waive the requirement of the annual V.E. observation for each diesel engine generator. The waiver request is to be submitted prior to the required annual V.E. observation and must include documentation justifying such action. Documentation should include, but is not limited to, the results of the prior V.E. observations indicating compliance by a wide margin, documentation of continuing compliance, and further that operations of the source have not changed since the previous annual V.E. observation.

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

9. Air Pollution Control

To ensure proper operations, the water spray nozzles shall be inspected routinely at least once per month.

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

10. Source Performance Test (SPT)

Annual source performance tests shall be conducted pursuant to this Attachment, Section F. Test summaries and results shall be maintained in the requirements of this Section.

(Auth.: HAR §11-60.1-3, §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, and actual date of start-up of the 1110 hp diesel engine generator;
- b. Intent to shut down air pollution control equipment for necessary scheduled maintenance;
- c. Emissions of air pollutants in violation of HAR, Chapter 11-60.1 or this permit (excluding technology-based emission exceedances 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)²

2. Deviations

The permittee shall report in writing **within five (5) working days** any deviations from the permit requirements, including those attributed to upset conditions, the probable cause of such deviations, and any corrective actions or preventive measures taken. Corrective actions may include a requirement for additional performance 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 performance test pursuant to Attachment II, Section F, the permittee shall submit a written performance test plan to the Department of Health in accordance with this Attachment, condition F.5.

- b. Written reports of the results of all 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 Attachment II, Special Condition F.6.

(Auth.: HAR §11-60.1-3, §11-60.1-90, §11-60.1-161;40 CFR §60.8, 40 CFR §60.676)¹

4. Monitoring Reports

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)** and shall include the following:

- a. Total operating hours of each diesel engine generator on a monthly and twelve-month (12-month) rolling basis;
- b. Total operating hours of the 325 TPH primary plant on a monthly and twelve-month (12-month) rolling basis;
- c. Total operating hours of the 950 TPH primary plant on a monthly and twelve-month (12-month) rolling basis;
- d. The number of gallons of fuel oil No. 2 fired by each diesel engine generator during the respective reporting period. Include the maximum sulfur content, percent by weight, of the fuel; and
- e. Identification of any opacity exceedances as determined by the required V.E. monitoring of the portable crushing and processing plants, and each diesel engine generator. 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 there were no exceedances for that semi-annual period.

The **enclosed Annual Emissions/Monitoring Report Form: Diesel Engine Generator Fuel Consumption; Monitoring Report Forms: Diesel Engine Generator Operating Hours, Monitoring Form: Plant Operating Hours and Monitoring Report Form: Visible Emissions**, shall be used.

(Auth.: HAR §11-60.1-3, §11-60.1-90)

5. 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 hazardous air pollutants. The reporting of annual emissions is due **within sixty (60) days following** the end of each calendar year.

For the portable stone crushing and processing operation, the enclosed **Annual Emissions Report Form: Portable Stone Crushing and Processing Plant Production** and **Annual Emissions/Monitoring Report Form: Diesel Engine Generator Fuel Consumption**, shall be used.

Upon the written request of the permittee, the deadline for reporting annual emissions may be extended, if the Department of Health determines that reasonable justification exists for the extension.

(Auth.: HAR §11-60.1-3, §11-60.1-90)

6. Compliance Certification

During the permit term, the permittee shall submit at least **annually** to the Department of Health and U.S. EPA Region 9, **Form C-2: Compliance Certification** pursuant to HAR, Subsection 11-60.1-86. The permittee shall indicate whether or not compliance is being met with each term or condition of this permit. The compliance certification shall include, at a minimum, the following information:

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

CSP No. 0549-01-CT
Attachment II
Page 14 of 18
[Issuance Date]
Expiration Date: March 30, 2009

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

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

Section F. Testing Requirements

1. Annual Performance Testing

- a. The permittee shall conduct or cause to be conducted an annual performance test on all portable crushing and processing plant equipment subject to the opacity limits specified in Attachment II, Special Conditions C.3.a. and C.3.b.
- b. The Department of Health may require testing at other points in the facility if an inspection indicates poor or insufficient controls.

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

2. Performance Test Methods

- a. The performance tests for the determination of opacity of the portable stone crushing and processing plants shall be conducted by a certified reader using Method 9 of 40 CFR Part 60 Appendix A and the procedures in 40 CFR §60.11 with additions identified in 40 CFR Part 60, Subpart OOO, § 60.675(c), or U.S. EPA-approved equivalent methods with written consent from the Department of Health. In addition, the following shall apply to the performance test for the fugitive emission observations:
 - i. The minimum distance between the observer and the emissions source shall be 4.57 meters (15 feet) but not greater 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 (Method 9, Section 2.1) shall be followed; and

- iii. The observer shall record the operating rate (tons per hour) of each primary crusher at the time observations were made.
- b. When determining compliance with the fugitive emissions standard specified in Attachment II, Special Condition No. C.3.a for each crusher, 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.
- c. When determining compliance with the fugitive emissions standard specified in Attachment II, Special Condition No. C.3.b for any transfer point on the belt conveyor(s) or for any other affected facility, the duration of Method 9 may be reduced from three (3) hours (thirty 6-minute averages) to one (1) hour (ten 6-minute averages) only if the following conditions apply:
 - i. There are no individual readings greater than ten (10) percent opacity; and
 - ii. There are no more than three (3) readings of ten (10) percent for the one-hour period.
- d. When determining compliance with the fugitive emissions standards of Special Condition Nos. C.3.a and C.3.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.
 - ii. Separate the emissions so that the opacity of emissions from each affected facility 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 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)¹

3. Performance Test Expense and Monitoring

Performance tests shall be made at the expense of the permittee and shall be conducted at the maximum expected production rate at which the plants will be operated. All tests may be monitored by the DOH.

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

4. 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, §11-60.1-5, §11-60.1-11, §11-60.1-90)

5. Performance Test Plan

At least **thirty (30) days prior** to conducting a performance test, the permittee shall submit a written performance test plan to the Department of Health that includes date(s) of the test, test duration, test locations, test methods, source operation, and other parameters that may affect 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, §11-60.1-5, §11-60.1-11, §11-60.1-90; 40 CFR §60.8)¹

6. Performance Test Report

Within sixty (60) days after completion of the performance test on the stone processing plants, the permittee shall submit to the Department of Health the test report which shall include the operating conditions of the facility at the time of the test (for example, water flow rate in gallons per minute for wet suppression, primary crusher closed size setting, etc.), the summarized test results, other pertinent support calculations, and field data. The results shall be recorded and reported in accordance with 40 CFR Part 60 Appendix A and §60.8. The performance test report shall include the plant operating rates (tons/hr) at the equipment settings, locations of where the visible emissions were read, visible emission readings, location of water sprays, and normal operating water flow rate in gallons per minute for the water spray system(s) during the test. The normal operating flow rate for the water spray system(s) shall be determined by the water flow rate used during the performance test that demonstrates compliance with the opacity limits of this permit.

(Auth.: HAR §11-60.1-3, §11-60.1-11, §11-60.1-90, §11-60.1-161, 40 CFR §60.675)¹

7. Performance Test Waiver

Upon written request and justification, the Department of Health may waive the requirement for, or a portion of, a specific annual 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 tests indicating compliance by a wide margin, documentation of continuing compliance, and further that operations of the source have not changed since the previous performance 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 succeeding location changes to the Department of Health for approval at least **(30) days**, or such lesser time as designated and approved by the Department of Health, prior to the change in location. The information submitted shall include the following:
 - a. Name, address, phone number of the facility, and the plant site manager or other contact;
 - b. Temporary covered source permit number and expiration date;
 - c. Identification of current location;
 - d. Location map of the new temporary location containing the following information:
 - i. Identification of the property/fence lines;
 - 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. List of equipment, equipment model and serial numbers, and plant configuration.
 - e. Area map showing the new proposed location for the equipment;
 - f. Projected dates of operation at the new location;
 - g. Identification of any other air pollution sources at the new location;
 - 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 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)

CSP No. 0549-01-CT
Attachment II
Page 18 of 18
[Issuance Date]
Expiration Date: March 30, 2009

2. The filing fee of \$100.00 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.

(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."

(Auth.: HAR §11-60.1-3, §11-60.1-91)

Section H. Agency Notification

Any document (including reports) required to be submitted by this temporary 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)

¹ 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.

² The citation to the State Implementation Plan (SIP) identified under a particular condition, indicate that the permit condition complies with the specific provision(s) of the SIP.

**ATTACHMENT II - INSIG
SPECIAL CONDITIONS - INSIGNIFICANT ACTIVITIES
TEMPORARY COVERED SOURCE PERMIT NO. 0549-01-CT**

[Issuance Date]

Expiration Date: March 30, 2009

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)

CSP No. 0549-01-CT
Attachment II - INSIG
Page 2 of 2
[Issuance Date]
Expiration Date: March 30, 2009

Section D. Notification and Reporting

1. During the permit term, the permittee shall submit at least **annually** to the Department of Health and U.S. EPA Region 9, **Compliance Certification** pursuant to HAR, Subsection 11-60.1-86. The permittee shall indicate whether or not compliance is being met with each term or condition of this permit. The compliance certification shall include, at a minimum, the following information:
 - a. The identification of each term or condition of the permit that is the basis of the certification;
 - b. The compliance status;
 - c. Whether compliance was continuous or intermittent;
 - d. The methods used for determining the compliance status of the source currently and over the reporting period; and
 - e. Any additional information as required by the Department of Health including information to determine compliance.

In lieu of addressing each emission unit as specified in **Form C-2: Compliance Certification**, the permittee may address insignificant activities as a single unit provided compliance is met with all applicable requirements. If compliance is not totally attained, the permittee shall identify the specific insignificant activity and provide the details associated with the noncompliance.

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

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

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

Section E. Agency Notification

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

(Auth.: HAR §11-60.1-4, §11-60.1-90)

PROPOSED

ATTACHMENT III: ANNUAL FEE REQUIREMENTS TEMPORARY COVERED SOURCE PERMIT NO. 0549-01-CT

[Issuance Date]

Expiration Date: March 30, 2009

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

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

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

PROPOSED

**ATTACHMENT IV: ANNUAL EMISSIONS REPORTING REQUIREMENTS
TEMPORARY COVERED SOURCE PERMIT NO. 0549-01-CT**

[Issuance Date]

Expiration Date: March 30, 2009

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 and Processing Plant Production

Annual Emissions/Monitoring Report Form: Diesel Engine Generator 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
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. 0549-01-CT
(PAGE 1 OF 2)**

[Issuance Date]

Expiration Date: March 30, 2009

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

(Make Copies for Future Use)

For Period: _____ Date: _____

Company/Facility Name: _____

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

Responsible Official (Print): _____

TITLE: _____

Responsible Official (Signature): _____

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

- 1. Current permit number: _____
- 2. Emissions Unit No./Description: _____
- 3. Identify the permit term(s) or condition(s) that is/are the basis of this certification:

- 4. Compliance status during the reporting period:
 - a. Has the emissions unit been in compliance with the identified permit term(s) or condition(s)?
 YES NO
 - b. If YES, was compliance continuous or intermittent?
 Continuous Intermittent

**COMPLIANCE CERTIFICATION FORM
TEMPORARY COVERED SOURCE PERMIT NO. 0549-01-CT
(CONTINUED, PAGE 2 OF 2)**

[Issuance Date]

Expiration Date: March 30, 2009

c. If NO, explain.

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

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

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

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

YES NO

b. If YES, identify those requirements:

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

**ANNUAL EMISSIONS REPORT FORM
CRUSHING AND PROCESSING PLANT PRODUCTION
TEMPORARY COVERED SOURCE PERMIT NO. 0549-01-CT**

[Issuance Date] _____

Expiration Date: March 30, 2009

In accordance with the HAR, 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 Additional Use)

For Reporting Period: _____ Date: _____

Company/Facility Name: _____

Equipment Description: _____

Equipment Location: _____

(Provide ton/hr rated capacity for jaw crusher)

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): _____

Type of Operation	Type of Material Processed Soil, Cinder, Gravel And Amount (TPY)	Air Pollution Control Measures in Use	Control Efficiency (% Reduction)
Total Combined Jaw Crushing			
*Cone Crushing			
*Screening			
*Conveyor Transfer Points			
*Active Stock Piles			

*Emissions based on ton per year material processed by jaw crushing plants.

NOTE: Control measures include water sprays, partial enclosures, screens, housing and duct work to baghouses.

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

1. *Baghouses: 99%*
2. *Water sprays, Damp Material, or Shroud: 70%*
3. *Wet Slurry: 100%*

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/MONITORING REPORT FORM
DIESEL ENGINE GENERATOR FUEL CONSUMPTION
TEMPORARY COVERED SOURCE PERMIT NO. 0549-01-CT**

[Issuance Date]

Expiration Date: March 30, 2009

In accordance with the HAR, 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 Reporting Period: _____ Date: _____

Facility Name: _____

Equipment Location:

Equipment Description: 505 hp Cummins diesel engine generator, serial no. 31118276
587 hp Caterpillar diesel engine generator, serial no. 4ZR06944
1110 hp Detroit Diesel diesel engine generator, id no. 8163-7405

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. Fuel consumption for the reporting period.

Unit Serial/ID No.	Type of Fuel Fired	Maximum Weight % Sulfur	Fuel Consumed First Semi-Annual Period (gallons)	Fuel Consumed Second Semi-Annual Period (gallons)	Total Yearly Fuel Consumed (gallons)
31118276					
4ZR06944					
8163-7405					

PROPOSED

**MONITORING REPORT FORM
DIESEL ENGINE GENERATOR OPERATING HOURS
TEMPORARY COVERED SOURCE NO. 0549-01-CT
(PAGE 1 OF 3)**

[Issuance Date]

Expiration Date: March 30, 2009

In accordance with the HAR, 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 Reporting Period: _____ Date: _____

Facility Name: **Keauhou Kona Construction Corporation**

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): _____

1110 hp Diesel Engine Generator			
Month	Monthly Operating Hours	Total Operating Hours (12-Month Rolling Basis)	Maximum Operating Hours Per Day for Each Month
January			
February			
March			
April			
May			
June			
July			
August			
September			
October			
November			
December			
TOTAL			

PROPOSED

**MONITORING REPORT FORM
DIESEL ENGINE GENERATOR OPERATING HOURS
TEMPORARY COVERED SOURCE NO. 0549-01-CT
(CONTINUED, PAGE 2 OF 3)**

[Issuance Date]

Expiration Date: March 30, 2009

(Make copies for future use.)

Identify all periods when the 1110 hp diesel engine generator simultaneously with another diesel engine generator. If none, write "none".

Simultaneous Operation of 1110 hp & Another Diesel Engine Generator		
Date	Operating Hours	Diesel Engine Generators Operating Simultaneously

505 hp Diesel Engine Generator			
Month	Monthly Operating Hours	Total Operating Hours (12-Month Rolling Basis)	Maximum Operating Hours Per Day for Each Month
January			
February			
March			
April			
May			
June			
July			
August			
September			
October			
November			
December			
TOTAL			

PROPOSED

**MONITORING REPORT FORM
DIESEL ENGINE GENERATOR OPERATING HOURS
TEMPORARY COVERED SOURCE NO. 0549-01-CT
(CONTINUE, PAGE 3 OF 3)**

[Issuance Date]

Expiration Date: March 30, 2009

(Make copies for future use.)

587 hp Diesel Engine Generator			
Month	Monthly Operating Hours	Total Operating Hours (12-Month Rolling Basis)	Maximum Operating Hours Per Day for Each Month
January			
February			
March			
April			
May			
June			
July			
August			
September			
October			
November			
December			
TOTAL			

PROPOSED

**MONITORING REPORT FORM
PLANT OPERATING HOURS
TEMPORARY COVERED SOURCE NO. 0549-01-CT
(PAGE 1 OF 2)**

[Issuance Date]

Expiration Date: March 30, 2009

In accordance with the HAR, 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 Reporting Period: _____ Date: _____

Facility Name: Keauhou Kona Construction Corporation

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: _____

Signature: _____

Month	Monthly Operating Hours 325 TPH Primary Plant	Total Operating Hours 325 TPH Primary Plant (12-Month Rolling Basis)
January		
February		
March		
April		
May		
June		
July		
August		
September		
October		
November		
December		
TOTAL		

PROPOSED

**MONITORING REPORT FORM
PLANT OPERATING HOURS
TEMPORARY COVERED SOURCE NO. 0549-01-CT
(CONTINUED, PAGE 2 OF 2)**

[Issuance Date]

Expiration Date: March 30, 2009

Month	Monthly Operating Hours 950 TPH Primary Plant	Total Operating Hours 950 TPH Primary Plant (12-Month Rolling Basis)
January		
February		
March		
April		
May		
June		
July		
August		
September		
October		
November		
December		
TOTAL		

**VISIBLE EMISSIONS FORM REQUIREMENTS
STATE OF HAWAII
TEMPORARY COVERED SOURCE PERMIT NO. 0549-01-CT**

[Issuance Date]

Expiration Date: March 30, 2009

The following visible emissions form shall be completed monthly (each calendar month) for the portable crushing and screening plant and diesel engine generators in accordance with Method 9 or by use of a Ringelmann Chart as provided. At least annually (calendar year), visible emissions observations shall be conducted for each emissions point subject to opacity limits by a certified reader. The visible emissions form shall be completed as follows:

1. V.E. observations shall take place during the day only and shall be compared to the Ringelmann Chart provided. The opacity shall be noted in 5 percent increments (i.e., 25%).
2. Orient the sun within a 140 degree sector to your back. Provide a source layout sketch on the V.E. form using the symbols as shown.
3. For the diesel engine generator stack, stand at least three (3) stack, but not more than a quarter mile from the stack.
4. For emission points from the portable crushing and processing equipment subject to opacity limits, stand at least 4.57 meters (15 feet) from the emission source.
5. Two (2) consecutive six (6) minute observations shall be taken at fifteen (15) second intervals for the emission points subject to opacity limits.
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 plant/equipment shall be operating at maximum expected capacity.
8. If the plant/equipment was shut-down for that period, briefly explain the reason for shut-down in the comment column.

The permittee shall retain the completed visible emissions 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 its representative(s) upon request.

Any required initial and annual performance test performed by a certified reader shall satisfy the respective V.E. monitoring requirement for the month the performance test is performed.

PROPOSED

**VISIBLE EMISSIONS FORM
STATE OF HAWAII
TEMPORARY COVERED SOURCE PERMIT NO. 0549-01-CT**

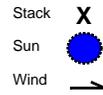
[Issuance Date]

Expiration Date: March 30, 2009

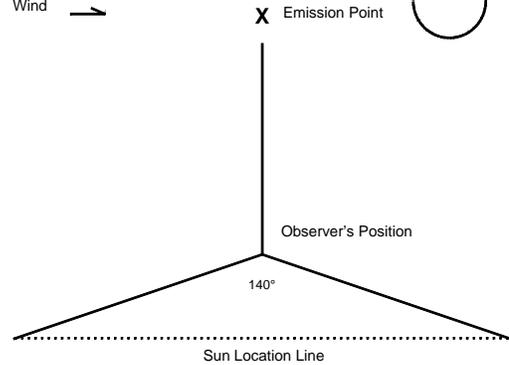
(Make Copies for Additional Use for Each Equipment)

Permit No. 0549-01-CT

Company Name: Keauhou Kona Construction



Draw North Arrow



Site Conditions:

For engine, stack height above ground (ft):

Emission point distance from observer (ft):

Emission color (black or white):

Sky conditions (% cloud cover):

Wind speed (mph):

Temperature (F):

Observer Name:

Certified? (Yes/No):

Jaw Crusher Production:

Engine Fuel Type:

Observation Date and Start Time:

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

Observation Date and Start Time:

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

CHANGE OF LOCATION REQUEST
FOR A TEMPORARY SOURCE
TEMPORARY COVERED SOURCE PERMIT NO. 0549-01-CT
(PAGE 1 OF 2)

[Issuance Date]

Expiration Date: March 30, 2009

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

(Make Copies for Additional Use)

1. The permittee shall complete this Change of Location Request Form regarding all succeeding location changes and shall submit this form to the Department of Health for approval **at least thirty (30) days**, or such lesser time as designated and approved by the Department of Health, prior to the change in location.
2. The permittee shall submit a location map of the new temporary location containing the following information:
 - a. Identification of the property/fence lines.
 - b. 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.

3. The permittee shall submit a filing fee with each change in location request. The filing fee shall be made payable to the **Clean Air Special Fund COV** and is as follows:

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

4. The permittee shall submit any additional information as requested by the Department of Health.
5. This Notification Form shall be mailed to the following address:

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

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. 0549-01-CT
(CONTINUED, PAGE 2 OF 2)**

[Issuance Date]

Expiration Date: March 30, 2009

(Make Copies for Additional Use)

1. Company Name: _____
2. Facility Name (if different from the Company): _____
3. Mailing Address: _____
City: _____ State: _____ Zip Code: _____
Phone Number: _____
4. Name of Owner/Owner's Agent: _____
Title: _____ Phone: _____
5. Equipment Description: _____
6. Current Equipment Location: _____
7. **New Equipment Location:** _____
 - a. Plant site manager or other contact, if different than Current contact: _____
 - b. Phone Number: _____
 - c. Proposed start date at *New Location*: _____
 - d. Estimated project duration: _____
8. Brief description of the work to be performed. Also identify other air pollution sources owned and operated by the permittee at the new location, if any: _____

I certify that I have knowledge of the facts herein set forth, that the same are true, accurate and complete to the best of my knowledge and belief, and that all information not identified by me as confidential in nature shall be treated by the Department of Health as public record. I further state that I will assume responsibility for the construction, modification, or operation of the source in accordance with the Hawaii Administrative Rules, Title 11, Chapter 60.1, Air Pollution Control, and any permit issued thereof. I further state that no modifications will be made to the equipment and operational methods will remain similar as permitted under the current temporary covered source permit at this new location.

Responsible Official (Print Name): _____ Date: _____

Title of Responsible Official: _____

Responsible Official (Signature): _____