

PROPOSED

[Issuance Date]

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

05-XXXE CAB
File No. 0045

Mr. Robert P. Singlehurst
Vice President
Grace Pacific Corporation
P. O. Box 78
Honolulu, Hawaii 96810

Dear Mr. Singlehurst:

**Subject: Covered Source Permit (CSP) No. 0045-01-C
Application for Renewal No. 0045-15 and
Significant Modification Nos. 0045-16 and 0045-17
Grace Pacific Corporation
400 TPH Non-Portable Plant, 150 TPH Screening Plant,
600 TPH Screening Plant and 600 TPH Recycled Aggregate Plant
with 1,000 kW Diesel Engine Generator
Located at: 91-920 Farrington Highway, Kapolei, Oahu
Date of Expiration: [Five Year Period from Issuance Date]**

The subject Covered Source Permit is issued in accordance with Hawaii Administrative Rules, Title 11, Chapter 60.1. The issuance of this permit renewal is based on the plans and specifications submitted as part of your April 29, 2004 renewal application, and significant modification applications submitted May 3 and 31, 2005. A receipt for the renewal filing fee of \$3,000.00 was mailed on November 22, 2004. A receipt for the significant modification filing fee of \$1,000.00 is enclosed. Also enclosed is a check that is being returned for one of the modification applications; only one \$1,000.00 is being charged because the two modification applications were processed together with the permit renewal.

This Covered Source Permit renewal supersedes CSP No. 0045-01-C, initially issued on May 2, 2000, and subsequent permit amendments issued on January 29, 2001, November 13, 2001, May 21, 2002, April 28, 2003, October 29, 2003, and July 6, 2004.

The Covered Source Permit renewal is issued subject to the conditions/requirements set forth in the following attachments:

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

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The forms for submission are as follows:

Compliance Certification Form
Monitoring Report Form: Visible Emissions
Monitoring Report Form: Operating Hours & Sulfur Content - 1,000 kW Diesel Engine Generator
Monitoring Report Form: Production - 400 TPH Non-Portable Plant
Monitoring Report Form: Operating Hours - 150 TPH Screening Plant
Monitoring Report Form: Operating Hours - 600 TPH Screening Plant

Annual Emissions Report Form: Stone Quarrying and Processing - 600 TPH Recycled Aggregate Plant
Annual Emissions Report Form: 1,000 KW Diesel Engine Generator
Annual Emissions Report Form: Stone Quarrying and Processing - 400 TPH Non-Portable Plant
Annual Emissions Report Form: Stone Quarrying and Processing - 150 TPH Screening Plant
Annual Emissions Report Form: Stone Quarrying and Processing - 600 TPH Screening Plant

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

Sincerely,

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

Cl:lk

Enclosures

c: CAB Monitoring Section

**ATTACHMENT I: STANDARD CONDITIONS
COVERED SOURCE PERMIT NO. 0045-01-C**

[Issuance Date]

[Expiration Date]

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

1. Unless specifically identified, the terms and conditions contained in this permit are consistent with the applicable requirement, including form, on which each term or condition is based.

(Auth.: HAR §11-60.1-90)

2. This permit, or a copy thereof, shall be maintained at or near the source and shall be made available for inspection upon request. The permit shall not be wilfully defaced, altered, forged, counterfeited, or falsified.

(Auth.: HAR §11-60.1-6; SIP §11-60-11)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 Regional Administrator for the U.S. Environmental Protection Agency (EPA).

(Auth.: HAR §11-60.1-5, §11-60.1-7, §11-60.1-94)

6. The facility covered by this permit shall be constructed and operated in accordance with the application, and any information submitted as part of the application, for the Covered Source Permit. There shall be no deviation unless additional or revised plans are submitted to and approved by the Department of Health, and the permit is amended to allow such deviation.

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

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

(Auth.: HAR §11-60.1-5, §11-60.1-82)

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

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

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

(Auth.: HAR §11-60.1-90)

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

(Auth.: HAR §11-60.1-90)

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

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

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

(Auth.: HAR §11-60.1-90)

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

(Auth.: HAR §11-60.1-90)

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

(Auth.: HAR §11-60.1-90)

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

(Auth.: HAR §11-60.1-14, §11-60.1-90)

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

(Auth.: HAR §11-60.1-15; SIP §11-60-16)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 each excess emission;
 - e. Cause and nature of each excess emission;
 - f. Description of the steps taken to remedy the situation, prevent a recurrence, limit the excessive emissions, and assure that the malfunction or breakdown does not interfere with the attainment and maintenance of the National Ambient Air Quality Standards and state ambient air quality standards;
 - g. Documentation that the equipment or process was at all times maintained and operated in a manner consistent with good practice for minimizing emissions; and
 - h. A statement that the excess emissions are not part of a recurring pattern indicative of inadequate design, operation, or maintenance.

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

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

18. A copy of applicable correspondence or records submitted to the Department of Health shall be provided to the U.S. EPA Administrator.

(Auth.: HAR §11-60.1-90)

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

(Auth.: HAR §11-60.1-14, §11-60.1-90)

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

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

(Auth.: HAR §11-60.1-9, §11-60.1-90)

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

(Auth.: HAR §11-60.1-9, §11-60.1-90)

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

(Auth.: HAR §11-60.1-90)

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

(Auth.: HAR §11-60.1-4, §11-60.1-90)

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

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

(Auth.: HAR §11-60.1-11, §11-60.1-90)

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

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

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

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

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

(Auth.: HAR §11-60.1-93)

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

(Auth.: HAR §11-60.1-90)

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

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

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

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

(Auth.: HAR §11-60.1-4, §11-60.1-90)

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

(Auth.: HAR §11-60.1-5, §11-60.1-90)

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
COVERED SOURCE PERMIT NO. 0045-01-C**

[Issuance Date]

[Expiration Date]

In addition to the standard conditions of the Covered Source Permit, the following special conditions shall apply to the permitted facility:

Section A. Equipment Description

1. This permit encompasses the following equipment and associated appurtenances:

- a. 400 TPH Non-Portable Plant (Non-Portable Plant)
 - i. Hydraulic Track Feeder
 - ii. Vibrating Grizzly 6' x 8'
 - iii. 400 TPH jaw crusher, Kue Ken model no. 150S, serial no. 150S6477
 - iv. 400 TPH double deck screen, Nordberg model no. unknown
 - v. 400 TPH cone crusher, Symons/Nordberg model no. 7
 - vi. 400 TPH 3-deck screen, Nordberg model no. unknown
 - vii. 400 TPH VSI crusher (crusher #4), Canica model no. 125
 - viii. 400 TPH VSI crusher (crusher #5), Canica model no. 100S
 - ix. 400 TPH VSI crusher (crusher #6), Canica model no. 95
 - x. 200 TPH crusher, Canica model no. 85
 - xi. (4) - 100 TPH 2-deck screens Nordberg 6' x 20' - 2 deck
 - xii. (4) - 250 TPH 3-deck screens Telsmith 6' x 20'
 - xiii. Assorted conveyor belts
 - xiv. Watersprays
- b. 150 TPH Screening Plant
 - i. 150 TPH CAY manufacturing model 482 Screening Plant with integrated 58 hp Diesel Engine; serial no. 482-88-D-124
 - ii. Assorted Conveyor Belts
- c. 600 TPH Recycled Aggregate Plant (RAP Plant)
 - i. AMI 5020VGF Grizzly Feeder, serial no. 2152-03, manufactured 2002
 - ii. 600 TPH Cedarapids JPR 3054 Jaw Crusher, serial no. 51636, manufactured 2002
 - iii. 400 TPH Cedarapids 5064 HSI Impact Crusher, serial no. 51687, manufactured 2002
 - iv. Cedarapids TSH 6203-32 Screen, serial no 51455, manufactured 2002
 - v. Thunderbird 6162 re-screening station, serial no. 2153-03
 - vi. Assorted conveyor belts and stackers
 - vii. 1,000 kW Cummins QST30-G5 Diesel Engine Generator (DEG), 63.3 gph, fired with diesel #2.
 - viii. Watersprays

- d. 600 TPH Screening Plant
 - i. The Read Corporation, model RD 90A Screening Plant (serial no. 648388) with integrated Lister Petter, model TR3, 24.8 hp diesel engine.
 - ii. Assorted conveyor belts.

(Auth.: HAR §11-60.1-3)

- 2. An identification tag or name plate shall be displayed on all equipment to show model no. and/or serial/ID no., and manufacturer, with the exception of the conveyor belts and waterspray systems. The identification tag or name plate shall be permanently attached to the equipment in a conspicuous location.

(Auth.: HAR §11-60.1-5)

Section B. Applicable Federal Regulations

- 1. The Canica model no. 125, Canica model no. 100S, and Canica model no. 95 crushers, located at the 400 TPH Non-Portable Plant, the entire 150 and 600 TPH Screening Plants, and the entire 600 TPH Recycled Aggregate Plant (excluding the 1,000 kW diesel engine generator) are subject to the provisions of the following federal regulations:
 - a. 40 CFR Part 60 Standards of Performance for New Stationary Sources, Subpart A, General Provisions; and
 - b. 40 CFR Part 60 Standards of Performance for New Stationary Sources, Subpart OOO, Standards of Performance for Nonmetallic Mineral Processing Plants.

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

- 2. The permittee shall comply with all applicable provisions of Subparts A and OOO, including all emission limits and all notification, testing, monitoring, and reporting requirements.

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

Section C. Operational Limitations

- 1. Operational Restrictions
 - a. The 400 TPH Non-Portable Plant shall not produce in excess of 2,000,000 tons in any rolling twelve (12) month period.
 - b. The 150 TPH Screening Plant shall not operate in excess of 2,080 hours in any rolling twelve (12) month period.

- c. The 600 TPH Recycled Aggregate Plant and associated diesel engine generator shall not operate in excess of 7,000 hours, as measured by the hours of operation of the 1,000 kW diesel engine generator, in any rolling twelve (12) month period.
- d. The 600 TPH Screening Plant shall not operate in excess of 2,080 hours in any rolling twelve (12) month period.

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

2. Visible Emissions

- a. The permittee shall not cause to be discharged into the atmosphere from the Canica crusher model nos. 95, 100S, and 125 of the 400 TPH Non-Portable Plant; and crushers of the 600 TPH Recycled Aggregate Plant fugitive emissions which exhibit greater than fifteen (15) percent opacity.
- b. For the 600 TPH Recycled Aggregate Plant and the 150 and 600 TPH Screening Plants, 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. For any six (6) minute averaging period, the 1,000 kW diesel engine generator, and the 400 TPH Non-Portable Plant with the exception of Canica crushers specified in Special Condition No. C.2.a shall not exhibit visible emissions of twenty (20) percent or greater, except as follows: during startup, shutdown, or equipment breakdown, the 1,000 kW diesel engine generator and 400 TPH Non-Portable Plant 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, §11-60.1-161; 40 CFR §60.672, SIP §11-60-24)^{1,2}

3. Fuel Specifications

The 1,000 kW diesel engine generator for the shall be fired only on fuel oil no. 2 with a maximum sulfur content not to exceed 0.5% by weight.

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

4. Fugitive Dust

- a. 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 fugitive dust emissions beyond the lot line of the property boundary on which the emissions originate.

- b. The permittee shall take measures to control fugitive dust (e.g., wet suppression, enclosures, etc.) at all material transfer points throughout the workyard and at the stockpile bunkers.

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

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

5. Watersprays

- a. Watersprays used to control fugitive dust shall be maintained in good operating condition and be utilized as needed during operations.
- b. The 400 TPH Non-Portable Plant and 600 TPH Recycled Aggregate Plant shall not operate if the daily inspection of each waterspray system, as required by Special Condition D.4, indicates there is a significant drop in the water flow rate, plugged nozzle, leak in the piping system, or other problem which affects the efficiency of the waterspray system. The permittee shall investigate and correct the problem before resuming operation.

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

6. Alternate Operating Scenario - Temporary Diesel Engine Generator Replacement

- a. The permittee may replace an existing diesel engine generator (DEG) with a temporary replacement unit if any repair work reasonably warrants the removal (e.g., equipment failure, engine overhaul, or any major equipment problems requiring maintenance for efficient operation) of the DEG and the following provisions are adhered to:
 - i. A written request is submitted in accordance with Attachment II, Special Condition No. E.7.a and approved by the Department of Health prior to exchanging the DEG with a temporary replacement engine;
 - ii. The DEG is replaced with a temporary replacement DEG of the same size or smaller and with equal or less 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 DEG shall be repaired and returned to service at the same location in a timely manner; and

- v. Written notification for returning the original DEG to service is submitted to the Department in accordance with Attachment II, Special Condition No. E.7.b.
- b. The permittee shall contemporaneously 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, if required by any applicable requirement of the Department, submit written notification to the Department; and
- c. The terms and conditions under each alternate operating scenario shall meet all applicable requirements including conditions of this permit.

(Auth.: HAR §11-60.1-3, §11-60.1-5, §11-60.1-81, §11-60.1-90)

Section D. Monitoring and Recordkeeping

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 records and copies of all reports required by the permit. The records shall be in a permanent form suitable for inspection and made available to the Department of Health or their representative upon request.

1. Operational Records

- a. A non-resetting belt weigh scale shall be operated and maintained on the 400 TPH Non-Portable Plant for the continuous and permanent recording of the plant production. Monthly records shall be kept on the beginning and ending meter readings, the date of the readings, and the total production. Monthly operational summaries shall include the total production for each month and the total production on a twelve (12) month rolling basis.
- b. A non-resetting hour meter shall be operated and maintained on the 150 TPH Screening Plant and the diesel engine generator servicing the 600 TPH Recycled Aggregate Plant for the continuous and permanent recording of the total operating hours. Monthly records shall be kept on the beginning and ending meter readings, the date of the readings, and the total hours of operation. Monthly operational summaries shall include the total hours for each month and the total hours on a twelve (12) month rolling basis.
- c. A non-resetting hour meter shall be installed, operated and maintained on the 600 TPH Screening Plant for the continuous and permanent recording of the total operating hours. Monthly records shall be kept on the beginning and ending meter readings, the date of the readings, and the total hours of operation. Monthly operational summaries shall include the total hours for each month and the total hours on a twelve (12) month rolling basis.

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

2. Fuel Certification

Fuel delivery receipts, showing the fuel type, sulfur content (percent by weight), date of delivery, and amount (gallons) of fuel delivered to the site for the 1,000 kW 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 in the diesel engine generator shall be maintained on an annual basis.

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

3. Performance Tests

All performance tests reports and plans pursuant to Section F of this attachment shall be maintained in accordance with the requirements of this section.

4. Watersprays

The waterspray systems which include the water pump, pipe system, spray nozzles and any gauges (i.e., water pressure, water flow meter, etc.), shall be checked daily to ensure proper operation.

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

5. Inspection, Maintenance and Repair Log

The permittee shall maintain records on inspections and any repair work conducted on the equipment covered under this permit. Replacement of parts and repairs to the water sprays, diesel engine generator, crushers, screens, and conveyors shall be documented. At a minimum, these records shall include the date of the inspection and any such repair work, name and title of personnel performing inspection/work, and a description of the findings and any work performed on the equipment covered by this permit.

(Auth.: HAR §11-60.1-3, §11-60.1-90)

6. Visible Emissions (V.E.)

- a. Except in those months where V.E. observations are conducted by a certified reader for the annual observations of the 1,000 kW diesel engine generator servicing the 600 TPH Recycled Aggregate Plant, the permittee shall conduct **monthly** (*calendar month*) V.E. observations of the diesel engine generator in accordance with Method 9 or by use of a Ringelmann Chart as provided. For each month, two (2) consecutive six (6) minute observations shall be taken 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 diesel engine generator, the observer shall comply with the following additional requirements:

- i. The distance between the observer and the emission source shall be at least three (3) stack heights, but not more than 402 meters (0.25 miles); and
 - ii. The observer shall, when possible, select a position that minimizes interference from other fugitive or point source emissions. The required observer position relative to the sun (Method 9, Section 2.1) shall be followed.
- b. The permittee shall conduct **annually** (*calendar year*) V.E. observations for the 1,000 kW diesel engine generator servicing the 600 TPH Recycled Aggregate Plant by a certified reader in accordance with 40 CFR Part 60, Appendix A, 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*.
- 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 each crusher of the 400 TPH Non-Portable Plant, the 150 and 600 TPH Screening Plants, and the 600 TPH Recycled Aggregate Plant in accordance with Method 9 or by use of a Ringelmann Chart as provided. For each month, two (2) consecutive six (6) minute observations shall be taken at fifteen (15) second intervals for each equipment subject to the opacity limits specified in Attachment II, Special Condition Nos. C.2.a., C.2.b., and C.2.c. Records shall be completed and maintained in accordance with the *Visible Emissions Form Requirements*. For the V.E. observations of the fugitive emissions, 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), 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 emission sources. The required observer position relative to the sun (40 CFR Part 60, Appendix A, Method 9, Section 2.1) shall be followed; and
 - iii. The observer shall record the operating capacity of each crusher at the time the observations were made.
- d. The Department of Health 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 the primary crusher and the three-deck screen, or those points as specified by the Department. Allowance to observe a portion of the total required fugitive emission points shall be obtained in writing from the Department.

- e. Upon written request and justification by the permittee, the Department may waive the requirement of the **annual** V.E. observation for the 1,000 kW diesel engine generator. The waiver request is to be submitted prior to the required annual V.E. test and must include documentation justifying such action. Documentation should include, but is not limited to, the results of the prior annual V.E. tests 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. test.

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

Section E. Notification and Reporting Requirements

1. Notification and reporting pertaining to the following events shall be done in accordance with Attachment I, Standard Condition Nos. 14, 16, 17 and 25, respectively:
 - a. *Anticipated date of initial start-up, actual date of construction commencement, and actual date of start-up of the 600 TPH Screening Plant;*
 - 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 exceedance 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. Permit Deviations

The permittee shall report **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 could trigger 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. Compliance Certification

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

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

The compliance certification shall be submitted within ninety (90) days after the end of each calendar year, and shall be signed and dated by an 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)

4. Performance Test Reports

- a. **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 describes the 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.
- b. **Within sixty (60) days after completion of the performance test**, the permittee shall submit to the Department of Health the test report which includes the operating conditions of the facility at the time of the test (e.g., water pressure for dust suppression), the summarized test results, 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 40 CFR §60.8.

(Auth.: HAR §11-60.1-3, §11-60.1-11, §11-60.1-90, 40 CFR §60.675, SIP §11-60-15)^{1,2}

5. Monitoring Reports

The permittee shall submit **semi-annually** written reports to the Department of Health for monitoring purposes. The reports shall be submitted **within sixty (60) days after the end of each semi-annual calendar period (January 1 to June 30 and July 1 to December 31)** and shall include the following:

- a. Any opacity exceedance as determined by the required V.E. monitoring. 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 exceedance, the permittee shall submit in writing a statement indicating that for each equipment there were no exceedance for that semi-annual period. The enclosed Monitoring Report Form: *Visible Emissions*, shall be used.
- b. The total operating hours of the Diesel Engine Generator located at the 600 TPH Recycled Aggregate Plant on a monthly and 12-month rolling basis. The maximum sulfur content of the fuel used by the Diesel Engine Generator shall also be reported. The enclosed Monitoring Report Form: *Operating Hours & Sulfur Content - 1,000 kW Diesel Engine Generator*, shall be used.
- c. The production of the 400 TPH Non-Portable Plant on a monthly and 12-month rolling basis. The enclosed Monitoring Report Form: *Production - 400 TPH Non-Portable Plant*, shall be used.
- d. The total operating hours of the 150 TPH Screening Plant on a monthly and 12-month rolling basis. The enclosed Monitoring Report Form: *Operating Hours - 150 TPH Screening Plant*, shall be used.
- e. The total operating hours of the 600 TPH Screening Plant on a monthly and 12-month rolling basis. The enclosed Monitoring Report Form: *Operating Hours - 600 TPH Screening Plant*, shall be used.

(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/yr. emitted of each regulated pollutant, including hazardous air pollutants. The reporting of annual emissions is due **within sixty (60) days following the end of each calendar year**. The enclosed Annual Emissions Report Forms: *Stone Quarrying and Processing - 400 TPH Non-Portable Plant; Stone Quarrying and Processing - 150 TPH Screening Plant; Stone Quarrying and Processing - 600 TPH Screening Plant; Stone Quarrying and Processing - 600 TPH Recycled Aggregate Plant; and 1,000 kW Diesel Engine Generator*, shall be used.

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.

(Auth.: HAR §11-60.1-3, §11-60.1-90)

7. Alternate Operating Scenario

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

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

(Auth.: HAR §11-60.1-3, §11-60.1-90)

Section F. Performance Testing Requirements

1. Initial and Annual Performance Testing

- a. **Within sixty (60) days after** achieving the maximum production rate at which the 600 TPH screening plant will be operated, but **not later than one-hundred eighty (180) days after** the initial start-up, and **annually** thereafter or at other times as specified by the Department, the permittee shall conduct or cause to be conducted performance test on the plant.
- b. On an annual basis or at other times as specified by the Department, the permittee shall conduct or cause to be conducted performance tests for visible emissions on the Canica crusher model nos. 95, 100S, and 125 of the 400 TPH Non-Portable Plant; the 150 TPH Screening Plant; and the 600 TPH Recycled Aggregate Plant subject to the opacity limits specified in Attachment II, Special Condition Nos. C.2.a. and C.2.b.

- c. The Department may require testing at other points in the facility if an inspection indicates poor or insufficient controls.

(Auth.: HAR §11-60.1-5, §11-60.1-11, §11-60.1-90, 40 CFR §60.675)¹

2. Upon written request and justification, the Department of Health may waive the requirement for, or a portion of, a specific annual source 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 source test.

(Auth.: HAR §11-60.1-3, §11-60.1-90)

3. Performance tests for the determination of opacity shall be conducted by a certified reader using 40 CFR Part 60, Appendix A, Method 9, and the procedures in 40 CFR §60.11 with additions identified Subpart OOO, §60.675(c); or U.S. EPA-approved equivalent methods with written consent from the Department of Health. In addition, the observer shall comply with the following requirements:
 - a. The minimum distance between the observer and the emission source shall be 4.57 meters (15 feet), but not greater than 402 meters (0.25 miles).
 - b. 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.
 - c. For affected facilities using wet dust suppression control, a visible mist is sometimes generated by the spray. The water mist must not be confused with particulate matter emissions and is not to be considered a visible emission. When a water mist of this nature is present, the observation of emissions is to be made at a point in the plume where the mist is no longer visible.

The results shall be recorded and reported in accordance with 40 CFR Part 60 Appendix A and 40 CFR §60.8. The performance test report shall include the crusher operating rates (tons/hr), locations of where the visible emissions were read, visible emission readings, location of water sprays, and normal operating water pressure (psi) of the waterspray system during the test. The normal operating water pressure of the spray system shall be determined by the water pressure used during the source performance test that demonstrates compliance with the opacity limit of this permit. U.S. EPA-approved equivalent methods may be used with consent from the Department of Health.

(Auth.: HAR §11-60.1-5, §11-60.1-11, §11-60.1-90, §11-60.1-161, 40 CFR §60.675)¹

4. When determining compliance with the fugitive emissions standard specified in Special Condition No. C.2.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:

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

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

5. When determining compliance with the fugitive emissions standard specified in Special Condition No. 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:

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

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

6. When determining compliance with the fugitive emissions standards, 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:

- a. Use for the combined emission stream the highest fugitive opacity standard applicable to any of the individual affected facilities contributing to the emissions stream.
- b. 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)¹

7. The tests shall be made at the expense of the permittee and shall be conducted at the maximum expected operating capacity of the source. The Department of Health may monitor the tests.

(Auth.: HAR §11-60.1-11, §11-60.1-90, SIP §11-60.1-15)²

8. Submittal of the performance test plan and performance test report shall be done in accordance with Special Condition E.4.

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

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[Issuance Date]
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9. Any deviations from these conditions 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)

10. The Department of Health may request additional performance testing if an inspection indicates poor or insufficient controls.

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

Section G. Agency Notification

1. Any document (including reports) required to be submitted by this Covered Source Permit shall be done in accordance with Attachment I, Standard Conditions, Condition No. 29.

(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 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
COVERED SOURCE PERMIT NO. 0045-01-C
INSIGNIFICANT ACTIVITIES**

[Issuance Date]

[Expiration Date]

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

Section A. Equipment Description

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

- a. 58 hp diesel engine servicing 150 TPH Screening Plant;
- b. 24.8 hp diesel engine servicing 600 TPH Screening Plant;
- c. 595 hp diesel engine generator servicing water pump; and
- d. 6,000 gallon diesel engine fuel tank.

(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.

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

2. 595 hp Diesel Engine Generator

- a. The diesel engine generator shall be fired only on diesel oil no. 2 with a sulfur content not to exceed 0.5% by weight.
- b. The diesel engine generator shall be used only to power the water pump to control dust during blasting. In no case shall the generator be operated to provide power to another equipment at the site.

(Auth.: HAR §11-60.1-3, §11-60.1-90)

3. 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)

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Attachment II - INSIG
Page 2 of 3
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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)

3. 595 hp Diesel Engine Generator

- a. Fuel purchase receipts, showing the fuel type, sulfur content (percent by weight), and date of delivery, 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.
- b. Date of diesel engine generator in operation to power water pump; and start and end times of the generator's use.

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

Section D. Notification and Reporting

Compliance Certification

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

- a. The identification of each term or condition of the permit that is the basis of the certification;
- b. The compliance status;
- c. Whether compliance was continuous or intermittent;
- d. The methods used for determining the compliance status of the source currently and over the reporting period; and
- e. Any additional information as required by the Department of Health including information to determine compliance.

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

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Attachment II - INSIG
Page 3 of 3
[Issuance Date]
[Expiration Date]

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

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

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

Section E. Agency Notification

Any document (including reports) required to be submitted by this Covered Source Permit shall be done in accordance with Attachment 1, Standard Condition No. 29.

(Auth.: HAR §11-60.1-4, §11-60.1-90)

PROPOSED

**ATTACHMENT III: ANNUAL FEE REQUIREMENTS
COVERED SOURCE PERMIT NO. 0045-01-C**

[Issuance Date]

[Expiration Date]

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

1. Annual fees shall be paid in full:
 - a. Within **sixty (60) days** after the end of each calendar year; and
 - b. Within **thirty (30) days** after the permanent discontinuance of the covered source.
2. The annual fees shall be determined and submitted in accordance with Hawaii Administrative Rules, Chapter 11-60.1, Subchapter 6.
3. The annual emissions data for which the annual fees are based shall accompany the submittal of any annual fees and 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
COVERED SOURCE PERMIT NO. 0045-01-C**

[Issuance Date]

[Expiration Date]

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

1. Complete the attached forms:

Annual Emissions Report Form: Stone Quarrying and Processing
- 400 TPH Non-Portable Plant
Annual Emissions Report Form: 1,000 kW Diesel Engine Generator
Annual Emissions Report Form: Stone Quarrying and Processing
- 150 TPH Screening Plant
Annual Emissions Report Form: Stone Quarrying and Processing
- 600 TPH Screening Plant
Annual Emissions Report Form: Stone Quarrying and Processing
- 600 TPH Recycled Aggregate Plant

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 manufacturing, by submitting a written request to the Director and clearly identifying the specific information that is to be accorded confidential treatment.

**COMPLIANCE CERTIFICATION FORM
COVERED SOURCE PERMIT NO. 0045-01-C
(PAGE 1 OF 2)**

[Issuance Date]

[Expiration Date]

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

(Make Copies for Future Use)

For Period: _____ Date: _____

Facility Name: _____

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

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
COVERED SOURCE PERMIT NO. 0045-01-C
(CONTINUED, PAGE 2 OF 2)**

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:

**VISIBLE EMISSIONS FORM REQUIREMENTS
STATE OF HAWAII
COVERED SOURCE PERMIT NO. 0045-01-C**

[Issuance Date]

[Expiration Date]

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. observations 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. Stand at least three (3) stack heights, but not more than a quarter mile from the stack.
4. Two (2) consecutive six (6) minute observations shall be taken at fifteen (15) second intervals for each stack or emission point.
5. The six (6) minute average opacity reading shall be calculated for each observation.
6. If possible, the observations shall be performed as follows:
 - a. Read from where the line of sight is at right angles to the wind direction.
 - b. The line of sight shall not include more than one (1) plume at a time.
 - c. Read at the point in the plume with the greatest opacity (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 maximum permitted capacity.
7. 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.

**VISIBLE EMISSIONS FORM
STATE OF HAWAII
COVERED SOURCE PERMIT NO. 0045-01-C**

[Issuance Date]

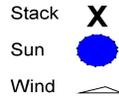
[Expiration Date]

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

Permit No.: _____

Company Name: _____

Equipment and Fuel: _____



Draw North Arrow



Site Conditions:

Stack height above ground (ft): _____

Stack distance from observer (ft): _____

Emission color (black or white): _____

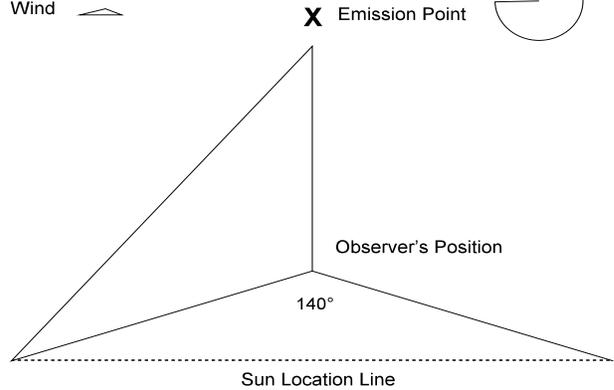
Sky conditions (% cloud cover): _____

Wind speed (mph): _____

Temperature (°F): _____

Observer Name: _____

Certified? (Yes/No): _____



Observation Date and Start Time: _____

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

Observation Date and Start Time: _____

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

PROPOSED

**MONITORING REPORT FORM - OPERATING HOURS & SULFUR CONTENT
1,000 kW DIESEL ENGINE GENERATOR
COVERED SOURCE PERMIT NO. 0045-01-C**

[Issuance Date]

[Expiration Date]

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

(Make Copies for Future Use)

For Period: _____ Date: _____

Facility Name: _____

Equipment Location: _____

Equipment Description: _____

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

Serial/ID No.: _____

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

Responsible Official (Print): _____

TITLE: _____

Responsible Official (Signature): _____

MONTH	TOTAL OPERATING HOURS	OPERATING HOURS 12-MONTH ROLLING BASIS	MAXIMUM SULFUR CONTENT OF FUEL RECEIVED (% by weight)
January			
February			
March			
April			
May			
June			
July			
August			
September			
October			
November			
December			
TOTAL			

**MONITORING REPORT FORM - PRODUCTION
400 TPH NON-PORTABLE PLANT
COVERED SOURCE PERMIT NO. 0045-01-C**

[Issuance Date]

[Expiration Date]

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

(Make Copies for Future Use)

For Period: _____ Date: _____

Facility Name: _____

Equipment Location: _____

Equipment Description: _____

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

Serial/ID No.: _____

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

Responsible Official (Print): _____

TITLE: _____

Responsible Official (Signature): _____

MONTH	TOTAL PRODUCTION	PRODUCTION 12-MONTH ROLLING BASIS	NOTES
January			
February			
March			
April			
May			
June			
July			
August			
September			
October			
November			
December			
TOTAL			

**MONITORING REPORT FORM - OPERATING HOURS
150 TPH SCREENING PLANT
COVERED SOURCE PERMIT NO. 0045-01-C**

[Issuance Date]

[Expiration Date]

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

(Make Copies for Future Use)

For Period: _____ Date: _____

Facility Name: _____

Equipment Location: _____

Equipment Description: _____

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

Serial/ID No: _____

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

Responsible Official (PRINT): _____

TITLE: _____

Responsible Official (Signature): _____

MONTH	TOTAL OPERATING HOURS	OPERATING HOURS 12-MONTH ROLLING BASIS	NOTES
January			
February			
March			
April			
May			
June			
July			
August			
September			
October			
November			
December			
TOTAL			

**MONITORING REPORT FORM - OPERATING HOURS
600 TPH SCREENING PLANT
COVERED SOURCE PERMIT NO. 0045-01-C**

[Issuance Date]

[Expiration Date]

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

(Make Copies for Future Use)

For Period: _____ Date: _____

Facility Name: _____

Equipment Location: _____

Equipment Description: _____

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

Serial/ID No: _____

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

Responsible Official (Print): _____

TITLE: _____

Responsible Official (Signature): _____

MONTH	TOTAL OPERATING HOURS	OPERATING HOURS 12-MONTH ROLLING BASIS	NOTES
January			
February			
March			
April			
May			
June			
July			
August			
September			
October			
November			
December			
TOTAL			

PROPOSED

**ANNUAL EMISSIONS REPORT FORM - STONE QUARRYING AND PROCESSING
600 TPH RECYCLED AGGREGATE PLANT
COVERED SOURCE PERMIT NO. 0045-01-C**

[Issuance Date]

[Expiration Date]

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

(Make Copies for Future Use)

For Period: _____ Date: _____

Facility Name: _____

Equipment Location: _____

Equipment Description: _____
(Provide Ton/Hr. Rated-Capacity for Primary Crusher OR Crushing Rate of the Plant)

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	Tons of Material (tons/year)	Air Pollution Control Measures in Use	Control Efficiency (% Reduction)
1. Raw material entering primary crusher.	_____	_____	_____
2. Process material entering secondary crusher.	_____	_____	_____
3. Process material entering tertiary crusher.	_____	_____	_____
4. Process material entering fine mill.	_____	_____	_____

Additional Information:

1. Number of Stockpiles _____ Control Measures _____
Percent Reduction _____

2. Tons/hour of material entering primary crusher _____ tons/hr.

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 REPORT FORM
1,000 kW DIESEL ENGINE GENERATOR
COVERED SOURCE PERMIT NO. 0045-01-C**

[Issuance Date]

[Expiration Date]

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

(Make Copies for Future Use)

For Period: _____ Date: _____

Facility Name: _____

Equipment Location: _____

Equipment Description: _____

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): _____

_____ MMBTU/Hr. (Maximum Design Heat Input; MM = 1 x 10⁶)

_____ kilowatt rating

_____ horse-power rating

Type of Fuel Fired	Fuel Usage Gallons per year	% Sulfur Content by Weight	Identify % Nitrogen, % Ash, & % Lead, if applicable

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

Type of Air Pollution Control	In Use?	Pollutant(s) Controlled	Control Efficiency, % Reduction
_____	<u>Yes or No</u>	_____	_____
_____	<u>Yes or No</u>	_____	_____
_____	<u>Yes or No</u>	_____	_____

PROPOSED

**ANNUAL EMISSIONS REPORT FORM - STONE QUARRYING AND PROCESSING
400 TPH NON-PORTABLE PLANT
COVERED SOURCE PERMIT NO. 0045-01-C**

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

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

(Make Copies for Future Use)

For Period: _____ Date: _____

Facility Name: _____

Equipment Location: _____

Equipment Description: _____

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

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	Tons of Material (tons/year)	Air Pollution Control Measures in Use	Control Efficiency (% Reduction)
1. Raw material entering primary crusher.	_____	_____	_____
2. Process material entering secondary crusher.	_____	_____	_____
3. Process material entering tertiary crusher.	_____	_____	_____
4. Process material entering fine mill.	_____	_____	_____

Additional Information:

- Number of Stockpiles _____ Control Measures _____
Percent Reduction _____
- Tons/hour of material entering primary crusher _____ tons/hr.

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 REPORT FORM - STONE QUARRYING AND PROCESSING
150 TPH SCREENING PLANT
COVERED SOURCE PERMIT NO. 0045-01-C**

[Issuance Date] [Expiration Date]

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

(Make Copies for Future Use)

For Period: _____ Date: _____

Facility Name: _____

Equipment Location: _____

Equipment Description: _____

(Provide Ton/Hr. Rated-Capacity for Primary Screen)

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	Tons of Material (tons/year)	Air Pollution Control Measures in Use	Control Efficiency (% Reduction)
1. Raw material entering primary screen.	_____	_____	_____
Additional Information:			
1. Number of Stockpiles	_____		
Control Measures	_____		
Percent Reduction	_____		
2. Tons/hour of material entering primary screen	_____ tons/hr.		

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 REPORT FORM - STONE QUARRYING AND PROCESSING
600 TPH SCREENING PLANT
COVERED SOURCE PERMIT NO. 0045-01-C**

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

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

(Make Copies for Future Use)

For Period: _____ Date: _____

Facility Name: _____

Equipment Location: _____

Equipment Description: _____

(Provide Ton/Hr. Rated-Capacity for Primary Screen)

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): _____

<u>Type of Operation</u>	<u>Tons of Material (tons/year)</u>	<u>Air Pollution Control Measures in Use</u>	<u>Control Efficiency (% Reduction)</u>
1. Raw material entering primary screen.	_____	_____	_____
Additional Information:			
1. Number of Stockpiles	_____		
Control Measures	_____		
Percent Reduction	_____		
2. Tons/hour of material entering primary screen	_____		_____ tons/hr.

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.