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ISSUE DATE

CERTIFIED MAIL 11-xxxE CAB
RETURN RECEIPT REQUESTED File No. 0257
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Mr. John Romanowski
Vice President
Jas. W. Glover, Ltd.
P. O. Box 579
Honolulu, Hawaii 96809

Dear Mr. Romanowski:

Subject: Covered Source Permit (CSP) No. 0257-01-C
Renewal Application No. 0257-03
Application for Modification No. 0257-04
Jas. W. Glover, Ltd.
Fixed and Portable/Fixed Crushing and Screening Plants
Located at: Halfway Bridge Quarry, Puhi, Kauai
Date of Expiration:

The subject covered source permit is issued in accordance with Hawaii Administrative Rules (HAR), Title 11, Chapter 60.1. The issuance of this permit is based on the plans, specifications, and information submitted as part of your renewal application received on September 1, 2005, your application for modification received on October 15, 2010, and the additional information submitted on February 16 and November 11, 2010 and January 10, February 17, 22, 23, and 27, and March 7, 2011. The conditions of this permit renewal/modification supersede all conditions contained in all prior permits. Receipts for application filing fees of $500.00 and $100.00, paid on your behalf by Dr. James Morrow, are enclosed for the subject applications to renew and modify the permit, respectively.

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

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

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

Compliance Certification Form
Annual Emissions Report Form: Crushing and Screening Plants

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Annual Emissions Report Form: Diesel Engine Generators
Monitoring Report Form: Operating Hours
Monitoring Report Form: Fuel Sulfur Content
Monitoring Report Form: Opacity Exceedances

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

Visible Emissions Form Requirements, State of Hawaii
Visible Emissions Form – Diesel Engine Generators
Visible Emissions Form – Crushing and Screening Plants

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,

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

MM:nn
Enclosures

c: Rodney Yama, EHS - Kauai
CAB Monitoring Section

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ATTACHMENT I: STANDARD CONDITIONS
COVERED SOURCE PERMIT NO. 0257-01-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 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 <u>notify</u> 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 <u>notify</u> 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 a stationary source 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 (12) months and no more than eighteen (18) months prior to the permit expiration date. The Director may allow a permit renewal application to be submitted no less than six (6) months prior to the permit expiration date, if the Director determines that there is reasonable justification.

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

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accordance with HAR, Sections 11-60.1-1 and 11-60.1-4, and shall be mailed to the following address:

Clean Air Branch
Environmental Management Division
Hawaii Department of Health
919 Ala Moana Boulevard, Room 203
Honolulu, HI 96814

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

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

(Auth.: HAR §11-60.1-4, §11-60.1-90)

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

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

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[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.

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ATTACHMENT II: SPECIAL CONDITIONS
COVERED SOURCE PERMIT NO. 0257-01-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. 1,100 ton per hour (TPH) fixed crushing and screening plant with:

      i. 1,100 TPH Cedarapids primary jaw crusher, model no. 3648, serial no. 43231;
      ii. 210 TPH Telsmith secondary cone crusher, model no. 48S, serial no. 8422;
      iii. 500 TPH Canica tertiary crusher, model no. 125, serial no. 125875-88;
      iv. 180 TPH Telsmith tertiary gyrasphere cone crusher, model no. 48FC, serial no. 7755;
      v. 1,000 TPH Simplicity primary wash screen, 5’ x 12’, model no. M140BS, serial no. 2512-M140BS-6211;
      vi. 1,110 TPH Telsmith secondary three-deck screen, 6’ x 20’, serial no. 313M12892;
      vii. 384 TPH Telsmith finishing tertiary screen, 5’ x 16’, serial no. 343M129;
      viii. 384 TPH Telsmith finishing tertiary screen, 5’ x 16’, serial no. 343M130;
      ix. Eagle screw wash conveyor, 30” x 18’;
      x. 1,322 hp/1,000 kW Cummins diesel engine generator, model no. QS30-G5-NR2, engine serial no. 37245415, generator serial no. J100165902;
      xi. 1,326 hp/1,030 kW Caterpillar diesel engine generator, model no. D-399, engine serial no. 35B06439, generator serial no. 82825;
      xii. Various belt conveyors;
      xiii. Various hoppers;
      xiv. Various storage bins;
      xv. Various enclosures and shrouds; and
      xvi. Water spray system.

   b. 800 TPH portable/fixed crushing and screening plant with:

      i. 800 TPH Cedarapids primary jaw crusher, model no. 3042, serial no.41924;
      ii. 215 TPH Telsmith secondary cone crusher, model no. 489S, serial no. 7742;
      iii. 400 TPH Canica tertiary vertical shaft impact crusher, model no. 100, serial no. 100104-89;
      iv. 740 TPH Eljay two-deck screen, 5' x 16', model no. FSG 5162-26, serial no. 34C1890;
      v. 624 TPH Eljay three-deck screen, 6' x 16', model no. FSG 6163-32, serial no. 34C06900;
      vi. 175 TPH McLanahan screw wash conveyor, 44” x 33’;
      vii. 900 hp/701 kW Caterpillar diesel engine generator, model no. D-398, engine serial no. 66B810, generator serial no. 91039-2;
      viii. Various belt conveyors;
      ix. Hopper;
      x. Enclosures; and
      xi. Water spray system.

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

   (Auth.: HAR §11-60.1-5)

Section B. Applicable Federal Regulations

1. Crushing and Screening Plants

   a. Except as specified in Attachment II, Special Condition No. B.1.b, the crushing and screening equipment listed above is subject to the provisions of the following federal regulations:

      i. 40 Code of Federal Requirements (CFR) Part 60, Standards of Performance for New Stationary Sources, Subpart A, General Provisions; and
      ii. 40 CFR Part 60, Standards of Performance for New Stationary Sources, Subpart OOO, Standards of Performance for Nonmetallic Mineral Processing Plants.

   b. The federal regulations specified in Attachment II, Special Condition No. B.1.a are not applicable to the following:

      i. 210 TPH Telsmith cone crusher, model no. 48S, serial no. 8422;
      ii. 180 TPH Telsmith tertiary gyrasphere cone crusher, model no. 48FC, serial no. 7755;
      iii. 215 TPH Telsmith secondary cone crusher, model no. 489S, serial no. 7742;
      iv. Unloading of nonmetallic minerals from movable vehicles (e.g., excavator, front end loader, trucks, etc.) into any screening operation, feed hopper, or crusher; and
      v. Wet material processing operations (e.g., wash screen and screw wash conveyors).

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

2. Diesel Engine Generator

   The 1,322 hp/1,000 kW diesel engine generator is 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;
   b. 40 CFR Part 60, Standards of Performance for New Stationary Sources, Subpart IIII, Standards of Performance for Stationary Compression Ignition Internal Combustion Engines;
   c. 40 CFR Part 63, National Emission Standards for Hazardous Air Pollutants for Source Categories, Subpart A, General Provisions; and

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d. 40 CFR Part 63, National Emission Standards for Hazardous Air Pollutants for Source Categories, Subpart ZZZZ, National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines.

(Auth.: HAR §11-60.1-3, §11-60.1-90, §11-60.1-161; 40 CFR §60.4200, 63.6580)[1]

3. Compliance

The permittee shall comply with all of the applicable provisions of these standards, including all emission limits, notification, testing, monitoring and reporting requirements. The major requirements of these standards are detailed in the special conditions of this permit.

(Auth.: HAR §11-60.1-3, §11-60.1-90, §11-60.1-161; 40 CFR Parts 60 and 63)[1]

Section C. Operational and Emission Limitations

1. Plant Hour Limits

a. The total operating hours of the 1,100 TPH fixed plant shall be represented by the total combined operating hours of each diesel engine generator (1,322 hp/1,030 kW primary unit, 1,326/1,030 kW backup unit, and other temporary replacement units) powering the plant.
b. The total operating hours of the 800 TPH portable plant shall be represented by the total combined operating hours of each diesel engine generator (900 hp/701 kW primary unit and other temporary replacement units) powering the plant.

(Auth.: HAR §11-60.1-3, §11-60.1-90)

2. Diesel Engine Generators

a. The total combined operating hours of the 1,322 hp/1,000 kW and 1,326 hp/1,030 kW diesel engine generators shall not exceed 4,000 hours in any rolling twelve-month (12-month) period.
b. The total operating hours of the 900 hp/701 kW diesel engine generator shall not exceed 2,950 hours in any rolling twelve-month (12-month) period.
c. The 1,326 hp/1,030 kW backup diesel engine generator shall only be used as a replacement unit for the 1,322 hp/1,000 kW diesel engine generator.
d. The maximum number of diesel engine generators that may operate to power the crushing and screening facility is two (2). At no time shall more than two (2) diesel engine generators operate simultaneously.
e. The 1,322 hp/1,000 kW diesel engine generator shall be fired only on fuel oil No. 2 with the following specifications:

i. Maximum sulfur content of 0.0015% by weight; and
ii. Minimum cetane index of 40 or maximum aromatic content of 35% by volume.

f. The 1326 hp/1,030 kW and 900 hp/701 kW diesel engine generators shall be fired only on fuel oil No. 2 with a maximum fuel sulfur content not to exceed 0.5% by weight.
g. For any six (6) minute averaging period, the 1,322 hp/1,000 kW diesel engine generator shall not exhibit visible emissions of twenty (20) percent or greater, except as follows: during start-up, shutdown, or equipment breakdown, the 1,322 hp/1,000 kW diesel engine generator may exhibit visible emissions greater than twenty (20) but not exceeding sixty (60) percent opacity for a period aggregating not more than six (6) minutes in any sixty (60) minute period.
h. For any six (6) minute averaging period, the 1,326 hp/1,030 kW and 900 hp/701 kW diesel engine generators shall not exhibit visible emissions of forty (40) percent or greater, except as follows: during start-up, shutdown, or equipment breakdown, the 1,326 hp/1,030 kW and 900 hp/701 kW diesel engine generators may exhibit visible emissions greater than forty (40) percent opacity, but not exceeding sixty (60) percent opacity, for a period aggregating not more than six (6) minutes in any sixty (60) minute period.
i. The stack height for the 1,322 hp/1,000 kW diesel engine generator shall be at least nineteen (19) feet above base elevation.
j. The stack height for the 1,326hp/1,030 kW diesel engine generator shall be at least seventeen (17) feet above base elevation.
k. The stack height for the 900 hp/701 kW diesel engine generator shall be at least twenty (20) feet above base elevation.
l. Except for equipment storage, the 1,326 hp/1,030 kW and 900 hp/701kW diesel engine generators shall not remain at any one (1) location for more than twelve (12) consecutive months or shorter period of time for an engine located at a seasonal source.
m. The 1,326 hp/1,030 kW and 900 hp/701 kW diesel engine generators shall not operate as seasonal source. A seasonal source is a stationary source that remains at a single site on a permanent basis (i.e., at least two (2) years) and that operates at that single site three (3) months (or more) each year.
n. Any equipment that replaces a diesel engine generator at a site that is intended to perform the same or similar function as the diesel engine generator replaced will be included in calculating the consecutive time period for purposes of determining compliance with Attachment II, Special Condition Nos. C.2.l and C.2.m.
o. The diesel engine generators shall be maintained in good operating condition at all times with scheduled inspections and maintenance as recommended by the manufacturer and as needed.

(Auth.: HAR §11-60.1-3, §11-60.1-32, §11-60.1-90, SIP §11-60-24; 40 CFR §60.4207, §63.6590)[1,2]

3. Fugitive Emission Limits

a. The permittee shall not cause to be discharged into the atmosphere from any crusher, fugitive emissions which exhibit greater than fifteen (15) percent opacity.
b. For affected facilities other than crushers (e.g., screens and belt conveyors), the permittee shall not cause to be discharged into the atmosphere, fugitive emissions which exhibit greater than ten (10) percent opacity.

c. If an affected facility (e.g., crusher, screen, and belt conveyor) is enclosed in a building, the permittee shall not cause to be discharged into the atmosphere, fugitive emissions from the building openings which exhibit greater than seven (7) percent opacity. For purposes of this condition, a building is any frame structure with a roof.
d. The permittee shall not cause or permit fugitive dust to become airborne without taking reasonable precautions and shall not cause or permit the discharge of visible emissions of fugitive dust beyond the lot line of the property 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 Dust Control

a. Measures shall be taken by the permittee to control fugitive dust (e.g., wet suppression, enclosures, minimize drop height to stockpile, etc.) for all crushers, screens, material transfer points, stockpiles, and throughout the facility. The Department of Health may at any time require the permittee to further abate fugitive dust emissions if an inspection indicates poor or insufficient control.
b. Water spray systems shall be maintained and utilized, as necessary, during operation of the fixed and portable/fixed crushing and screening plants to ensure compliance with the fugitive dust limits specified in Attachment II, Special Condition No. C.3.
c. The Department of Health at any time may require continuous operation of the water sprays and/or additional water sprays or manual water spraying at pertinent locations if an inspection indicates that more fugitive dust control is needed.
d. A water spray system and/or an on site water truck shall be maintained and utilized during the facility's operating hours and at other times as necessary to minimize fugitive dust from processing aggregate.
e. The water spray systems for the fixed and portable/fixed crushing and screening plants shall be maintained in good operating condition at all times with scheduled inspections and maintenance as needed to ensure compliance with the fugitive dust limits specified in Attachment II, Special Condition No. C.3.

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

5. Alternate Operating Scenario

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

i. The installation and operation of the temporary replacement unit shall not exceed twelve (12) consecutive months;
ii. A request for the replacement unit shall be submitted in accordance with Attachment II, Special Condition No. E.7.a;
iii. The temporary replacement unit must be similar in size to the diesel engine generator being replaced with equal or lesser emissions;

iv. The temporary replacement unit shall comply with all applicable conditions required for the primary unit, including all air pollution control equipment requirements, operating restrictions, and emission limits;
v. The diesel engine generator shall be repaired and returned to service at the same location in a timely manner; and
vi. Removal and return information shall be submitted in accordance with Attachment II, Special Condition No. E.7.b.

b. The Department of Health may require an ambient air quality assessment of the temporary unit and/or provide a conditional approval to impose additional monitoring, testing, recordkeeping, and reporting requirements to ensure the temporary unit is in compliance with the applicable requirements of the permitted unit being temporarily replaced.
c. Records shall be maintained in accordance with Attachment II, Special Condition No. D.9.
d. 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, §11-60.1-81, §11-60.1-91)

Section D. Monitoring and Recordkeeping Requirements

1. Records

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

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

2. Water Spray Systems

a. Records on the total gallons of water used for the water spray systems and water truck(s) shall be maintained for the facility.
b. The water spray systems for the fixed and portable/fixed crushing and screening plants shall be inspected routinely and at least once per month to check that water is flowing to discharge spray nozzles in the wet suppression systems.
c. The permittee must initiate corrective action within twenty four (24) hours and complete corrective action as expediently as practical if inspection of the wet suppression systems find that water is not flowing during an inspection of the water spray nozzles.
d. The permittee must record each inspection of the water spray nozzles, including the date of each inspection and any corrective actions taken, in the logbook.
e. If equipment that routinely uses wet suppression water sprays ceases operation of the water sprays or is using a control mechanism to reduce fugitive emissions other than

water sprays during the monthly inspection (e.g., water from recent rainfall), the logbook entry must specify the control mechanism being used instead of the water sprays.

(Auth.: HAR §11-60.1-3, §11-60.1-5, §11-60.1-90; 40 CFR §60.676)[1]

3. Hour Limits

   a. The permittee shall install, operate, and maintain a non-resetting hour meter for each diesel engine generator to permanently measure and record the number of hours operated. The non-resetting hour meter shall not allow the manual resetting or other manual adjustments of the meter readings. The installation of any new non-resetting meters or meter replacement of any existing non-resetting meters shall be designed to accommodate a minimum of five (5) years of equipment operation, considering any operational limitations, before the meter returns to a zero reading. A record on the duration of daily operation shall be maintained for each diesel engine generator to determine the total hours operated.
   b. Monthly records of the beginning hour meter readings shall be maintained. The total operating hours shall be determined and recorded on a monthly and 12-month (twelve-month) rolling basis.

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

4. Production

   The permittee shall maintain records on the total tons of material processed by the crushing and screening plants for purposes of annual emissions reporting.

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

5. Fuel Consumption and Sulfur Content

   Fuel purchase receipts, showing the fuel type, sulfur content (percent by weight), date of delivery, and amount (gallons) of fuel delivered for the diesel engine generators 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 shall be maintained on an annual basis.

   (Auth.: HAR §11-60.1-3, §11-60.1-11, §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 fixed and portable/fixed crushing and screening plants, diesel engine generators, and water spray systems 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.

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

7. Performance Tests

Performance tests shall be conducted on the fixed and portable crushing and screening plants pursuant to Attachment II, Section F. Test summaries and results shall be maintained in accordance with the requirements of this section.

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

8. Visible Emissions

a. The permittee shall conduct monthly (calendar month), visible emissions observations of the diesel engine generators by a certified reader in accordance with Method 9, or U.S. EPA approved equivalent methods, or alternative methods with prior written approval from the Department of Health. For each month, two (2) consecutive six (6) minute observations shall be taken at fifteen (15) second intervals. For the visible emissions observations of the diesel engine generators, the observer shall comply with the following additional requirements:

   i. The distance between the observer and the emission source shall be at least three (3) stack heights but not more than 402 meters (0.25 miles);
   ii. The observer shall, when possible, select a position that minimizes interference from other sources of visible emissions (e.g., road dust). The required observer position relative to the sun (Method 9, Section 2.1) shall be followed.

b. Except in those months when performance tests are conducted for fugitive emissions pursuant to Attachment II, Special Conditions, Section F, the permittee shall conduct monthly (calendar month), visible emissions observations by a certified reader for the fixed and portable/fixed crushing and screening plants in accordance with Method 9, or U.S. EPA approved equivalent methods, or alternative methods with prior written approval from the Department of Health. For each month, two (2) consecutive six (6) minute observations shall be taken at fifteen (15) second intervals for each emissions point subject to opacity limits as specified in Attachment II, Special Condition No. C.3. For the visible emissions 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 visible emission sources. The required observer position relative to the sun (Method 9; Section 2.1) shall be followed; and

iii. The observer shall record the operating capacity (ton/hr) of the processing plants for the time the observations were made.

c. Records shall be completed and maintained in accordance with the Visible Emission Observation Form requirements.

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

9. Alternate Operating Scenario

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.

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

Section E. Notification and Reporting Requirements

1. Standard Condition Reporting

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 startup, actual date of construction commencement, and actual date of startup;
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 preventative measures taken. Corrective actions may include a requirement for additional source testing, more frequent monitoring, or could trigger the implementation of a corrective action plan.

(Auth.: HAR §11-60.1-3, §11-60.1-15, §11-60.1-16, §11-60.1-90)

3. Performance Testing

   a. At least **thirty (30) days prior** to conducting a source performance test pursuant to Special Conditions, Section F, the permittee shall submit a written performance test plan to the Department of Health in accordance with Attachment II, Special Condition No. F.4.
   b. Written reports of the results of the performance tests conducted to demonstrate compliance shall be submitted to the Department of Health **within sixty (60) days** after the completion of the performance tests, and shall be in conformance with Attachment II, Special Condition No. F.6.

4. Annual Emissions

   a. 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. Upon the written request of the permittee, the deadline for reporting of annual emissions may be extended, if the Department of Health determines that reasonable justification exists for the extension. The enclosed **Annual Emissions Report Form – Crushing and Screening Plants** and **Annual Emissions Report Form – Diesel Engine Generators** shall be used.
   b. 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)

5. 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), signed and dated by a responsible official. The enclosed **Monitoring Report Form: Diesel Engine Diesel Engine Generators, Monitoring Report Form: Fuel Sulfur Content**, and **Monitoring Report Form – Opacity Exceedances** shall be used.

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

6. Compliance Certification

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

i. The identification of each term or condition of the permit that is the basis of the certification;
ii. The compliance status;
iii. Whether compliance was continuous or intermittent;
iv. The methods used for determining the compliance status of the source currently and over the reporting period;
v. 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
vi. Any additional information as required by the Department of Health including information to determine compliance.

b. 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.
c. 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)

7. Alternate Operating Scenario

a. The permittee shall submit a written request and receive prior written approval from the Department of Health before exchanging each diesel engine generator with a temporary replacement unit. The written request shall identify, at a minimum, the reasons for the replacement of the diesel engine generator from the site of operation and the estimated time period/dates for the temporary replacement, type and size of the temporary unit, emissions data, and stack parameters.
b. Prior to the removal and return of each diesel engine generator, the permittee shall submit to the Department of Health written documentation on the removal and return dates and the make, size, model, and serial numbers for both the temporary replacement unit and the installed unit.

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

Section F. Testing Requirements

1. Initial and Annual Performance Tests

Within one-hundred eighty (180) days after permit issuance, and annually thereafter, the permittee shall conduct or cause to be conducted performance tests on all crushing and

screening equipment subject to opacity limits as specified in Attachment II, Special Condition No. C.3.

(Auth.: HAR §11-60.1-3, §11-60.1-11, §11-60.1-90; §11-60.1-161, 40 CFR §60.675, SIP §11-60.15)[1,2]

2. Performance Test Methods

a. The performance tests for the fixed and portable/fixed crushing and screening 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 the following additions:

i. The minimum distance between the observer and the emission source shall be 4.57 meters (15 feet);
ii. The observer shall, when possible, select a position that minimizes interference from other fugitive emission sources. The required observer position relative to the sun (Method 9, Section 2.1) shall be followed; and
iii. The observer shall record the operating capacity (tons/hr) of the crushing and screening plants at the time observations were made.

b. When determining compliance with the fugitive emissions standards of Attachment II, Special Condition Nos. C.3.a, C.3.b, and C.3.c, the duration of Method 9 observations must be thirty (30) minutes (five (5) 6-minutes averages). Compliance with the applicable fugitive emission limits specified in Attachment II, Special Condition Nos. C.3.a, C.3.b, and C.3.c must be based on the average of the five (5) 6-minute averages.

c. When determining compliance with the fugitive emissions standard of Attachment II, Special Condition Nos. C.3.a, C.3.b, and C.3.c, if emissions from two (2) or more facilities continuously interfere so that the opacity of fugitive emissions from an individual affected facility cannot be read, either of the following procedures may be used:

i. Use for the combined emission stream, the highest fugitive opacity standard applicable to any of the individual affected facilities contributing to the emissions stream; and
ii. Separate the emissions so that the opacity of emissions from each affected facility can be read.

d. When determining compliance with the fugitive emissions standards of Attachment II, Special Condition Nos. C.3.a, C.3.b, and C.3.c, a single visible emission observer may conduct visible emission observations for up to three (3) fugitive emission points within a fifteen second (15-second) interval if the following conditions are met:

i. No more than three (3) emission points may be read concurrently;
ii. All three (3) emission points must be within a 70 degree viewing sector or angle in front of the observer such that the proper sun position can be maintained for all three (3) points; and

iii. If an opacity reading for any one of the three (3) emission points equals or exceeds the applicable standard, then the observer must stop taking readings for the other two (2) points and continue reading just that single point.

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

The performance tests shall be made at the expense of the permittee and shall be conducted at the maximum expected operating capacity of the crushing and screening plants. All performance tests may be monitored by the Department of Health.

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

4. Performance Test Plan

At least thirty (30) days prior to conducting the performance test, the permittee shall submit a written performance test plan to the Department of Health and U.S. EPA, Region 9, that includes date(s) of the test, test duration, test locations, test methods, source operation, locations of visible emissions readings, and other parameters that may affect the test results. Such a plan shall conform to U.S. EPA guidelines including quality assurance procedures. A test plan or quality assurance plan that does not have the approval of the Department of Health may be grounds to invalidate any test and require a retest.

(Auth.: HAR §11-60.1-3, §11-60.1-11, §11-60.1-90; 40 CFR 60.8, SIP §11-60.1-15)[1,2]

5. Deviations

Any deviations from these conditions, test methods, or procedures may be cause for rejection of the test results unless such deviations are approved by the Department of Health before the tests.

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

6. Performance Test Report

Within **sixty (60) days** after completion of the performance test for the fixed and portable/fixed crushing and screening plants, the permittee shall submit to the Department of Health and U.S. EPA, Region 9, the test report which shall include the operating conditions of the facility at the time of the test (e.g., operating rate in tons/hr, etc.), locations where the visible emissions were read, visible emission readings, location of water sprays, summarized test results, comparative results with the permit emission limits, other pertinent

support calculations, and field/laboratory data. The results shall be recorded and reported in accordance with 40 CFR Part 60, Appendix A, and §60.8.

(Auth.: HAR §11-60.1-3, §11-60.1-11, §11-60.1-90, §11-60.1-161; 40 CFR §60.675; SIP §11-60-15)[1,2]

7. Performance Test Waiver

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

(Auth.: HAR §11-60.1-3, §11-60.1-90)

Section G. Agency Notification

1. Any document (including reports) required to be submitted by the 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)

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[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.

PROPOSED

ATTACHMENT II - INSIG: SPECIAL CONDITIONS
INSIGNIFICANT ACTIVITIES
COVERED SOURCE PERMIT NO. 0257-01-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. Attachment II – INSIG encompasses the following insignificant activities:

   a. Two (2) 2,000 gallon fuel oil No. 2 storage tanks;
   b. One (1) 4,000 gallon fuel oil No. 2 storage tank;
   c. One (1) 250 gallon portable day operating tank for fuel oil No. 2;
   d. One (1) 450 gallon tank for engine gear lubrication; and
   e. One (1) 50 gallon solvent tank for engine maintenance.

   (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.

PROPOSED

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

Section D. Notification and Reporting

1. Compliance Certification

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

      i. The identification of each term or condition of the permit that is the basis of the certification;
      ii. The compliance status;
      iii. Whether compliance was continuous or intermittent;
      iv. The methods used for determining the compliance status of the source currently and over the reporting period; and
      v. Any additional information as required by the Department of Health including information to determine compliance.

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

ATTACHMENT III: ANNUAL FEE REQUIREMENTS
COVERED SOURCE PERMIT NO. 0257-01-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 be submitted on forms furnished by the Department of Health.

4. The annual fees and the emission data shall be mailed to:

Clean Air Branch
Environmental Management Division
Hawaii Department of Health
919 Ala Moana Boulevard, Room 203
Honolulu, HI 96814

ATTACHMENT IV: ANNUAL EMISSIONS REPORTING REQUIREMENTS
COVERED SOURCE PERMIT NO. 0257-01-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 form(s):

   Annual Emissions Report Form: Crushing and Screening Plants
   Monitoring/Annual Emissions Report Form: Diesel Engine Generators

2. The reporting period shall be from January 1 to December 31 of each year. All reports shall be submitted to the Department of Health within **sixty (60) days** after the end of each calendar year and shall be mailed to the following address:

   Clean Air Branch
   Environmental Management Division
   Hawaii Department of Health
   919 Ala Moana Boulevard, Room 203
   Honolulu, HI 96814

3. The permittee shall retain the information submitted, including all emission calculations. These records shall be in a permanent form suitable for inspection, retained for a minimum of five (5) years, and made available to the Department of Health upon request.

4. Any information submitted to the Department of Health without a request for confidentiality shall be considered public record.

5. In accordance with HAR, Section 11-60.1-14, the permittee may request confidential treatment of specific information, including information concerning secret processes or methods of manufacture, by submitting a written request to the Director and clearly identifying the specific information that is to be accorded confidential treatment.

PROPOSED

COMPLIANCE CERTIFICATION FORM
COVERED SOURCE PERMIT NO. 0257-01-C
PAGE 1 OF ___

Issuance Date: **Expiration Date:**

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

(Make Copies of the Compliance Certification Form for Future Use)

For Period: _____ Date: _____

Company/Facility Name: _____

Responsible Official (Print): _____

Title: _____

Responsible Official (Signature): _____

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

COMPLIANCE CERTIFICATION FORM
COVERED SOURCE PERMIT NO. 0257-01-C
(CONTINUED, PAGE 2 OF ___)

Issuance Date: **Expiration Date:**

The purpose of this form is to evaluate whether or not the facility was in compliance with the permit terms and conditions during the covered period. If there were any deviations to the permit terms and conditions during the covered period, the deviation(s) shall be certified as *intermittent compliance* for the particular permit term(s) or condition(s). Deviations include failure to monitor, record, report, or collect the minimum data required by the permit to show compliance. In the absence of any deviation, the particular permit term(s) or condition(s) may be certified as *continuous compliance*.

Instructions:
Please certify Sections A, B, and C below for continuous or intermittent compliance. Sections A and B are to be certified as a group of permit conditions. Section C shall be certified individually for each operational and emissions limit condition as listed in the Special Conditions section of the permit (list all applicable equipment for each condition). Any deviations shall also be listed individually and described in Section D. The facility may substitute its own generated form in verbatim for Sections C and D.

A. Attachment I, Standard Conditions

Permit term/condition	Equipment	Compliance
All standard conditions	All Equipment listed in the permit	Continuous Intermittent

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

Permit term/condition	Equipment	Compliance
All monitoring conditions	All Equipment listed in the permit	Continuous Intermittent
All recordkeeping conditions	All Equipment listed in the permit	Continuous Intermittent
All reporting conditions	All Equipment listed in the permit	Continuous Intermittent
All testing conditions	All Equipment listed in the permit	Continuous Intermittent
All INSIG conditions	All Equipment listed in the permit	Continuous Intermittent

COMPLIANCE CERTIFICATION FORM
COVERED SOURCE PERMIT NO. 0257-01-C
(CONTINUED, PAGE ____ OF ___)

Issuance Date: **Expiration Date:**

C. Special Conditions - Operational and Emissions Limitations

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

Permit term/condition	Equipment	Method	Compliance
		monitoring recordkeeping reporting testing none of the above	Continuous Intermittent
		monitoring recordkeeping reporting testing none of the above	Continuous Intermittent
		monitoring recordkeeping reporting testing none of the above	Continuous Intermittent
		monitoring recordkeeping reporting testing none of the above	Continuous Intermittent
		monitoring recordkeeping reporting testing none of the above	Continuous Intermittent
		monitoring recordkeeping reporting testing none of the above	Continuous Intermittent
		monitoring recordkeeping reporting testing none of the above	Continuous Intermittent

(Make Additional Copies if Needed)

COMPLIANCE CERTIFICATION FORM
COVERED SOURCE PERMIT NO. 0257-01-C
(CONTINUED, PAGE ___ OF ___)

Issuance Date: **Expiration Date:**

D. Deviations

Permit Term/ Condition	Equipment / Brief Summary of Deviation	Deviation Period time (am/pm) & date (mo/day/yr)	Date of Written Deviation Report to DOH (mo/day/yr)
		Beginning: Ending:	
		Beginning: Ending:	
		Beginning: Ending:	
		Beginning: Ending:	
		Beginning: Ending:	
		Beginning: Ending:	
		Beginning: Ending:	

(Make Additional Copies if Needed)

PROPOSED

ANNUAL EMISSIONS REPORT FORM
CRUSHING AND SCREENING PLANTS
COVERED SOURCE PERMIT NO. 0257-01-C

Issuance Date: **Expiration Date:**

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 Period: _____ Date: _____

Company Name: _____

Facility Name: _____

Equipment Location: _____

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

Responsible Official (PRINT): _____

TITLE: _____

Responsible Official (Signature): _____

Equipment Description: _____
(Provide ton/hr rated-capacity for primary crusher or crushing rate of the plant)

Serial/ID No.: _____

1. Report the air pollution control measures used for the facility as follows:

Operation	Air Pollution Control Measures in Use	Control Efficiency (% Reduction)
Truck Unloading		
Crushing		
Screening		
Belt Conveyors		
Stockpiles		
Truck Loading		

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, or Shroud: 70%
3. Wet Slurry: 100%
4. Subsequent transfer points of water sprayed material: 70-(5*n)%

Efficiency factors may be reduced by the Department of Health, if there are any indications that a source's air pollution control device is not operating at the specified efficiency.

2. Report the tons per year (TPY) of material processed by the crushing and screening plants:

Plant	TPY of Material Processed
1,100 TPH Fixed Crushing and Screening Plant	
800 TPH Portable/Fixed Crushing and Screening Plant	

PROPOSED

ANNUAL EMISSIONS REPORT FORM
DIESEL ENGINE GENERATORS
COVERED SOURCE PERMIT NO. 0257-01-C

Issuance Date: **Expiration Date:**

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 Period: _____ Date: _____

Company Name: _____

Facility Name: _____

Equipment Location: _____

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

Responsible Official (PRINT): _____

TITLE: _____

Responsible Official (Signature): _____

1. Report the diesel engine generator fuel consumption and sulfur content as follows:

Serial Number	Capacity	Maximum % Sulfur Content by Weight	Total Fuel Oil No. 2 Consumption (gal/yr)
37245415	1,322 hp/1,000 kW		
35B06439	1,326 hp/1,030 kW		
66B810	900 hp/701 kW		

PROPOSED

MONITORING REPORT FORM
FUEL SULFUR CONTENT
COVERED SOURCE PERMIT NO. 0257-01-C

Issuance Date: **Expiration Date:**

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For Period: _____ Date: _____

Company Name: _____

Facility Name: _____

Equipment Location: _____

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

Responsible Official (PRINT): _____

TITLE: _____

Responsible Official (Signature): _____

1. Report the fuel sulfur content for the diesel engine generators as follows:

Serial No.	Capacity	Types of Fuel Fired	Maximum % Sulfur Content by Weight
37245415	1,322 hp/1,000 kW		
35B06439	1,326 hp/1,030 kW		
66B810	900 hp/701 kW		

PROPOSED

MONITORING REPORT FORM
DIESEL ENGINE GENERATORS
COVERED SOURCE PERMIT NO. 0257-01-C
(PAGE 1 of 2)

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(Make Copies for Additional Use)

For Period: _____ Date: _____

Company Name: _____

Facility Name: _____

Equipment Location: _____

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

Responsible Official (PRINT): _____

TITLE: _____

Responsible Official (Signature): _____

1. Report the total combined operating hours for the 1,322 hp/1,000 kW and 1,326 hp/1,030 kW diesel engine generators as follows:

Month	**1,322 hp/1,000 kW and 1,326 hp/1,030 kW Diesel Engine Generator**	
	Total Combined Hours Operated	Total Combined Hours Operated
	Monthly Basis	12-Month Rolling Basis
January		
February		
March		
April		
May		
June		
July		
August		
September		
October		
November		
December		

MONITORING REPORT FORM
DIESEL ENGINE GENERATORS
COVERED SOURCE PERMIT NO. 0257-01-C
(CONTINUED, PAGE 2 OF 2)

Issuance Date: **Expiration Date:**

2. Report the total operating hours for the 900 hp/701 kW diesel engine generator as follows:

Month	**900 hp/701 kW Diesel Engine Generator**	
	Total Hours Operated	Total Hours Operated
	Monthly Basis	12-Month Rolling Basis
January		
February		
March		
April		
May		
June		
July		
August		
September		
October		
November		
December		

3. Report all incidences when more than two diesel engine generators operated at the facility.

Date	**Duration of Operation**

PROPOSED

MONITORING REPORT FORM
OPACITY EXCEEDANCES
COVERED SOURCE PERMIT NO. 0257-01-C

Issuance Date: **Expiration Date:**

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(Make Copies for Additional Use)

For Period:_____ Date:_____

Company Name:_____

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.

Responsible Official (PRINT):_____

TITLE:_____

Responsible Official (Signature):_____

Visible Emissions:

Report the following on the lines provided below: all date(s) and six (6) minute average opacity reading(s) which the opacity limit was exceeded during the monthly observations; or if there were no exceedances during the monthly observations, then write no exceedances in the comment column.

EQUIPMENT OR EMISSION POINT DESCRIPTION	SERIAL/ID NO.	DATE	6 MIN. AVER. (%)	COMMENTS

VISIBLE EMISSIONS FORM REQUIREMENTS
STATE OF HAWAII
COVERED SOURCE PERMIT NO. 0257-01-C

Issuance Date: **Expiration Date:**

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

1. VE observations shall take place during the day only and shall be noted in five (5) percent increments (e.g., 25%).
2. Orient the sun within a 140 degree sector to your back. Provide a source layout sketch on the VE Form using the symbols as shown.
3. For the diesel engine generators, stand at least three (3) stack heights, but not more than a quarter mile from the stack.
4. For VE observations of fugitive dust from the crushing and screening plants, stand at least 4.57 meters (15 feet) from the emissions point, but not more than a quarter mile from the emissions point.
5. Two (2) consecutive six (6) minute observations shall be taken at fifteen (15) second intervals for each emissions point (e.g. stack and fugitive dust source).
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 location without condensed water vapor), ideally while the plume is no wider than the stack diameter.
   d. Read the plume at fifteen (15) second intervals only. Do not read continuously.
   e. The equipment shall be operating at the maximum permitted capacity.
8. If the equipment was shut-down for that period, briefly explain the reason for shut-down in the comment column.

The permittee shall retain each completed VE Form 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 its representative upon request.

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

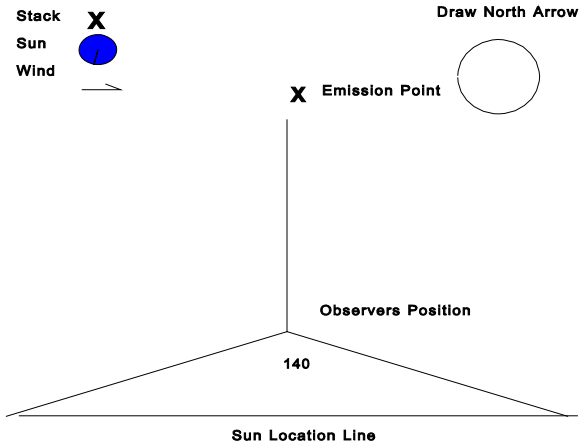
PROPOSED

VISIBLE EMISSIONS FORM
DIESEL ENGINE GENERATORS
COVERED SOURCE PERMIT NO. 0257-01-C

Issuance Date: **Expiration Date:**

(Make copies for future use for each stack)

Permit No.:_____
Company Name:_____
Equipment and Fuel:_____



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

Observation Date and Start Time:_____

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

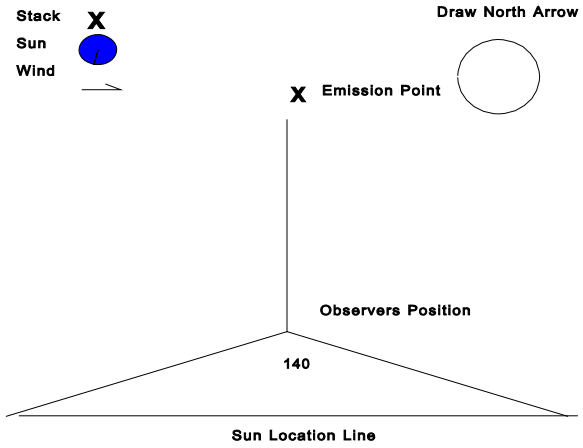
PROPOSED

VISIBLE EMISSIONS FORM
CRUSHING AND SCREENING PLANTS
COVERED SOURCE PERMIT NO. 0257-01-C

Issuance Date: **Expiration Date:**

(Make copies for future use)

Permit No.:_____
Company Name:_____
Equipment:_____



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

Observation Date and Start Time:_____

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