

PROPOSED

[Issuance Date]

CERTIFIED MAIL
RETURN RECEIPT REQUESTED
(7)

CAB
File No. 0300-01

Mr. Angel Allas
Director of Island Operations
Castle & Cooke Resorts, LLC
P.O. Box 630310
Lanai City, HI 96763

Dear Mr. Allas:

**Subject: Covered Source Permit (CSP) No. 0300-01-C
Application for Renewal/Modification No. 0300-02
Castle & Cooke Resorts, LLC
Stone Processing, Asphalt Concrete, and Concrete Batch Plants
Located at: TMK 4-9-02:01, Kaunalapau Highway, Lanai City, Lanai
Date of Expiration: [Five (5) year period from date of issuance]**

The subject CSP is issued in accordance with Hawaii Administrative Rules, Title 11, Chapter 60.1. The issuance of this permit is based on your application dated September 16, 2004, and its revisions dated September 20, November 23, December 16, 2004; and April 26, August 15, 2005; December 4, 2006; and January 8, February 6, and February 23, and March 13, 2007. CSP No. 0300-01-C dated January 26, 2000 will be superseded, in its entirety, upon issuance of this permit.

The CSP is issued subject to the conditions/requirements set forth in the following Attachments:

- Attachment I: Standard Conditions
- Attachment IIA: Special Conditions for 350 tph Stone Processing Plant
- Attachment IIB: Special Conditions for 110 tph Asphalt Concrete Plant
- Attachment IIC: Special Conditions for 150 cy/hr Concrete Batch Plant
- Attachment IID: Special Conditions for Diesel Engine Generators
- Attachment II-INSIG Special Conditions - Insignificant Activities
- Attachment III: Annual Fee Requirements
- Attachment IV: Annual Emissions Reporting Requirements

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

Annual Emissions Report Forms: Stone Processing Production; Asphalt
Concrete Production; and Concrete
Production
Annual Emissions / Monitoring Report Form: DEG Fuel Consumption
Monitoring Report Forms: Operating Hours; Fuel/DEG Certification;
and Visible Emissions
Compliance Certification Form
The Ringelmann Chart

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

CBS:nn
Enclosures

c: Blake Shiigi, EHS - Maui
CAB Monitoring Section

PROPOSED

**ATTACHMENT I: STANDARD CONDITIONS
COVERED SOURCE PERMIT NO. 0300-01-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 notify the succeeding owner and operator of the existence of this permit and its conditions by letter, copies of which will be forwarded to the Department of Health and the U.S. Environmental Protection Agency (EPA), Region 9.

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

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

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

(Auth.: HAR §11-60.1-5, §11-60.1-82)

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

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

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

(Auth.: HAR §11-60.1-90)

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

(Auth.: HAR §11-60.1-90)

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

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

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

(Auth.: HAR §11-60.1-90)

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

(Auth.: HAR §11-60.1-90)

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

(Auth.: HAR §11-60.1-90)

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

(Auth.: HAR §11-60.1-14, §11-60.1-90)

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

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

17. **Except for emergencies which result in noncompliance with any technology-based emission limitation in accordance with HAR, Section 11-60.1-16.5, in the event any**

emission unit, air pollution control equipment, or related equipment malfunctions or breaks down in such a manner as to cause the emission of air pollutants in violation of HAR, Chapter 11-60.1 or this permit, the permittee shall immediately notify the Department of Health of the malfunction or breakdown, unless the protection of personnel or public health or safety demands immediate attention to the malfunction or breakdown and makes such notification infeasible. In the latter case, the notice shall be provided as soon as practicable. Within five (5) working days of this initial notification, the permittee shall also submit, in writing, the following information:

- a. Identification of each affected emission point and each emission limit exceeded;
- b. Magnitude of each excess emission;
- c. Time and duration of each excess emission;
- d. Identity of the process or control equipment causing the excess emission;
- e. Cause and nature of each excess emission;
- f. Description of the steps taken to remedy the situation, prevent a recurrence, limit the excessive emissions, and assure that the malfunction or breakdown does not interfere with the attainment and maintenance of the National Ambient Air Quality Standards and state ambient air quality standards;
- g. Documentation that the equipment or process was at all times maintained and operated in a manner consistent with good practice for minimizing emissions; and
- h. A statement that the excess emissions are not part of a recurring pattern indicative of inadequate design, operation, or maintenance.

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

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

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

(Auth.: HAR §11-60.1-14, §11-60.1-90)

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

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

(Auth.: HAR §11-60.1-9, §11-60.1-90)

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

(Auth.: HAR §11-60.1-9, §11-60.1-90)

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

(Auth.: HAR §11-60.1-90)

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

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

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

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

(Auth.: HAR §11-60.1-11, §11-60.1-90)

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

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

25. Each permit renewal application shall be submitted to the Department of Health and the U.S. EPA Region 9 no less than twelve months and no more than eighteen months prior to the permit expiration date. The director may allow a permit renewal application to be submitted no less than six months prior to the permit expiration date, if the director determines that there is reasonable justification.

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

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

(Auth.: HAR §11-60.1-93)

27. The compliance plan and compliance certification submittal requirements shall be in accordance with HAR, Sections 11-60.1-85 and 11-60.1-86. As specified in HAR, Section 11-60.1-86, the compliance certification shall be submitted to the Department of Health and the U.S. EPA Region 9 once per year, or more frequently as set by any applicable requirement.

(Auth.: HAR §11-60.1-90)

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

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

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

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

(Auth.: HAR §11-60.1-4, §11-60.1-90)

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

(Auth.: HAR §11-60.1-5, §11-60.1-90)

CSP No. 0300-01-C
Attachment I
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Issuance Date:
Expiration Date:

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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

**ATTACHMENT IIA: SPECIAL CONDITIONS FOR
350 TPH STONE PROCESSING PLANT
COVERED SOURCE PERMIT NO. 0300-01-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 attachment encompasses the 350 tph stone processing plant consisting of the following equipment and associated appurtenances:
 - a. Vibrating grizzly feeder;
 - b. Jeffery feeder;
 - c. Hewitt Robin double deck screen (model no. 5 x 14, serial no. VSS-50818-01);
 - d. 310 tph Symons secondary cone crusher (model no. 4 1/4 STD, serial no. 40659-B);
 - e. El-Jay triple deck vibrating screen (model no. 1242, serial no. 34E0387);
 - f. 350 tph El-Jay vertical shaft impactor crusher (model no. VSI-2100, serial no. 28J0386);
 - g. 400 tph Read Screen All (model no. CV-40-D, serial no. 1704);
 - h. Various conveyors; and
 - i. Waterspray system.

(Auth.: HAR §11-60.1-3)

2. An identification tag or name plate shall be displayed on equipment c. to g. listed above which identifies the 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. The 350 tph stone processing plant is subject to the provisions of the following federal regulations except for equipment d. listed above:
 - 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 Part 60)

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

(Auth.: HAR §11-60.1-3, §11-60.1-90, §11-60.1-161, 40 CFR Part 60)

Section C. Operational Limitations

1. The stone processing plant shall be powered only by the 1,000 kW, 840 kW, or alternate DEG(s) as allowed in Attachment D. The operating hours will be limited to the total combined fuel limitations of the 1,000 kW and 840 kW DEGs.

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

2. Fugitive Dust

- a. The permittee shall take measures to control fugitive dust (e.g., wet suppression, enclosures, etc.) at all material transfer points, throughout the work yard and at the stockpile bunkers. The Department of Health at any time may require the permittee to further abate fugitive dust emissions if an inspection indicates poor or insufficient control.
- b. The permittee shall not cause or permit fugitive dust to become airborne without taking reasonable precautions nor cause or permit fugitive dust beyond the lot line of the property on which the emissions originate.

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

3. Water sprays

- a. Water sprays and water trucks shall be maintained in good operating condition and be utilized as needed during plant operations at the following locations:
 - 1) Feeder and crushers;
 - 2) Screen and conveyor transfer points;
 - 3) Stockpiles and material drop-off points; and
 - 4) Grounds of the facility.
- b. The Department of Health at any time may require additional water sprays or manual water spraying at pertinent locations if an inspection indicates more fugitive dust control is needed.

- c. The permittee shall not operate the stone processing plant if the inspection of the water spray system, as required by Attachment IIA, Special Condition E.2, indicates there is a significant change in water flow rate, plugged nozzle(s), leak in the piping system, or other problem which affects the efficiency of the water spray system. The permittee shall investigate and correct the problem before resuming operation.

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

Section D. Emission Limitations

1. The permittee shall not cause to be discharged into the atmosphere from the 350 tph El-Jay vertical shaft impactor crusher, fugitive emissions which exhibit greater than fifteen (15) percent opacity.
2. The permittee shall not cause to be discharged into the atmosphere from any transfer point on belt conveyors or from any screening operations any fugitive dust emissions which exhibit greater than ten (10) percent opacity.

(Auth.: HAR §11-60.1-3, §11-60.1-90, §11-60.1-161; 40 CFR §60.672)¹

Section E. Monitoring and Recordkeeping

1. Operating Hours

The operating hours shall be monitored by the fuel usage of the DEGs mentioned in Attachment IIA, Special Condition C.1.

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

2. Waterspray System

- a. A water meter shall be operated and maintained to measure the operating flow rate (gal/min) of the water spray system.
- b. The water piping system, spray nozzles, and water flow meter shall be checked routinely, at least once per day.

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

3. Inspection, Maintenance, and Repair Log

The permittee shall maintain records on inspections, maintenance, and any repair work conducted on the stone processing plant. At a minimum, these records shall include: the date of the inspection; the name and title of the inspector; a short description of the action and/or any such repair work; name and title of inspector; and a description of the part(s) inspected or repaired.

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

4. Visible Emissions (V.E.)

- a. Except in those months when annual V.E. observations or source performance tests are conducted by a certified reader, the permittee shall conduct **monthly** (*calendar month*) V.E. observations for the crushers and transfer points in accordance with Method 9 or by use of a Ringelmann Chart as provided. For each period, two (2) consecutive observations shall be taken at fifteen (15) second intervals for six (6) minutes for each equipment. Records shall be completed and maintained in accordance with the *Visible Emissions Form Requirements*.
- b. The permittee shall conduct **annually** (*calendar year*) V.E. observations for the 310 tph secondary cone crusher by a certified reader in accordance with Method 9. For each period, two (2) consecutive observations shall be taken at fifteen (15) second intervals for six (6) minutes for each equipment. Records shall be completed and maintained in accordance with the *Visible Emissions Form Requirements*.
- c. The annual source performance test covered in Section G will satisfy **monthly** V.E. observations for the 350 tph El-Jay vertical shaft impactor crusher and transfer points for the month the source performance test was conducted.
- d. Upon written request and justification by the permittee, the Department of Health may waive the requirement for a specific annual V.E. observation. The waiver request is to be submitted prior to the required annual V.E. observation and must include documentation justifying such action. Documentation should include, but is not limited to, the results of the prior 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. observation.

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

5. Production Rate

The permittee shall maintain records on the tons of crushed stone produced on an annual basis for the purpose of annual emissions reporting.

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

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

(Auth.: HAR §11-60.1-3, §11-60.1-5, §11-60.1-11, §11-60.1-90, SIP §11-60-15)²

Section F. Notification and Reporting Requirements

1. Notification and reporting pertaining to the following events shall be done in accordance with Attachment I, Standard Condition Nos. 16, 17, and 24, respectively:
 - a. *Intent to shut down air pollution control equipment for necessary scheduled maintenance;*
 - b. *Emissions of air pollutants in violation of HAR, Chapter 11-60.1 or this permit (excluding technology-based emission exceedances due to emergencies); and*
 - c. *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 permit requirements, including those attributable to upset conditions, the probable cause of such deviations and any corrective actions or preventive measures taken. Corrective actions may include a requirement for additional testing, or 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

- 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:

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

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.*

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)

4. Monitoring

The permittee shall submit, **semi-annually**, the attached *Monitoring Report Form: Visible Emissions* to the Department of Health. These 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 be signed and dated by a responsible official.

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

5. Annual Emissions

As required by *Attachment IV: Annual Emissions Reporting Requirements* and in conjunction with the requirements of *Attachment III: Annual Fee Requirements*, the permittee shall report **annually** the total tons/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**. The enclosed *Annual Emissions Report Form: Stone Processing Plant Production*, 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; 40 CFR 51 Subpart Q)

Section G. Testing Requirements

1. On an annual basis, or other times as specified by the Department of Health, the permittee shall conduct or cause to be conducted source performance tests on the 350 tph El-Jay vertical shaft impactor crusher and transfer points. Source performance tests shall be conducted for opacity.

(Auth.: HAR §11-60.1-3, §11-60.1-11, §11-60.1-90; 40 CFR §60.8, 40 CFR §60.672)¹

2. Source performance tests on the stone processing facility for the determination of opacity shall be conducted and results reported in accordance with the test methods set forth in 40 CFR Part 60 Appendix A, and 40 CFR Part 60.8. The following test method or U.S. EPA approved equivalent methods shall be used:

Method 9 and procedures in 40 CFR §60.11 shall be used to determine opacity with the following additions from Subpart 000:

- a. The minimum distance between the observer and the emission source shall be 4.57 meters (15 feet); and
- b. 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.

(Auth.: HAR §11-60.1-3, §11-60.1-11, §11-60.1-90, §11-60.1-161; 40 CFR §60.8, §60.675)¹

3. When determining compliance with the fugitive emissions standard for the 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 for the 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

4. 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. For the combined emission stream, use 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

5. **At least thirty (30) days prior to conducting the source performance test**, the permittee shall submit a written source 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, and other parameters that may affect test results. Such a plan shall conform to U.S. EPA guidelines including quality assurance procedures. A test plan or quality assurance plan that does not have the approval of the Department of Health may be grounds to invalidate any test and require a retest.

(Auth.: HAR §11-60.1-3, §11-60.1-11, §11-60.1-90; 40 CFR §60.8, SIP §11-60-15)^{1,2}

6. Source performance testing shall be made at the expense of the permittee and shall be conducted at the maximum expected operating capacity of the stone processing plant. The observer shall record the operating capacity (tons/hr) of the primary crusher and water flow rate (gal/min) of the water spray system at the time observations were made. The Department of Health may monitor the tests.

(Auth.: HAR §11-60.1-3, §11-60.1-11, §11-60.1-90; SIP 11-60.1-15)²

7. 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)

8. **Within sixty (60) days after completion of the source performance test**, the permittee shall submit to the Department of Health and U.S. EPA Region 9 the test report which includes the operating conditions of the stone processing plant at the time of the test, the summarized test results, other pertinent support calculations, and field/laboratory data.

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

9. Upon written request and justification by the permittee, 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 source 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, §11-60.1-11, §11-60.1-90)

Section H. Agency Notification

Any document (including reports) required to be submitted by this Covered Source Permit shall be done in accordance with Attachment I, Standard Condition 28.

(Auth.: HAR §11-60.1-4, §11-60.1-90)

¹The citation to the Code of Federal Regulations (CFR) identified under a particular condition, indicates 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.

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

**ATTACHMENT IIB: SPECIAL CONDITIONS FOR 110 TPH ASPHALT
CONCRETE PLANT
COVERED SOURCE PERMIT NO. 0300-01-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 attachment encompasses the 110 tph hot batch mix asphalt concrete (AC) plant consisting of the following equipment and associated appurtenances:
 - a. Various aggregate storage bins;
 - b. 110 tph Asphalt Drum Mixers, Inc. (ADM) rotary drum dryer (model no. SPL110, serial no. ACT744-05, max 40.3 MMBtu/hr);
 - c. Asphalt hot oil tank/heater (model no. ATC20, serial no. tbd, 20,000 gallons, max. 1.41 MMBtu/hr);
 - d. Venturi wet scrubber (model no. SPL110, serial no. tbd, 18,000 acfm);
 - e. Hot mix silo; and
 - f. Various conveyors.

(Auth.: HAR §11-60.1-3)

2. An identification tag or name plate shall be displayed on equipment b. to d. listed above to show 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. The AC plant 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; and
 - b. 40 CFR Part 60, Standards of Performance for New Stationary Sources, Subpart I, Standards of Performance for Hot Mix Asphalt Facilities.

(Auth.: HAR §11-60.1-3, §11-60.1-90, §11-60.1-161, 40 CFR Part 60)¹

2. The permittee shall comply with all applicable requirements 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)

Section C. Operational Limitations

1. The 350 tph stone processing plant (in Attachment IIA) shall not operate simultaneously with the 110 tph AC plant.

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

2. The AC plant shall not operate for more than 1,000 hours in any rolling twelve (12) month period.

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

3. The AC plant shall be powered only by the 1,000 kW, 840 kW, or alternate DEG(s) as allowed in Attachment D. The operating hours will be limited to the total combined fuel limitations of the 1,000 kW and 840 kW DEGs.

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

4. The drum dryer and hot asphalt oil heaters shall be fired only on fuel oil no. 2 with a maximum sulfur content not to exceed 0.5 percent by weight.

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

5. Fugitive Dust

- a. 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 at any time may require the permittee to further abate fugitive dust emissions if an inspection indicates poor or insufficient control.

- b. The permittee shall not cause or permit fugitive dust to become airborne without taking reasonable precautions nor cause or permit fugitive dust beyond the lot line of the property on which the emissions originate.

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

6. The venturi wet scrubber shall be utilized at all times during operation of the AC plant. The pressure drop of the venturi wet scrubber shall be maintained at 15 to 20 inches H₂O (unless recommended by the manufacturer otherwise).

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

Section D. Emission Limitations

1. The permittee shall not discharge or cause the discharge into the atmosphere from the exhaust stack of the venturi wet scrubber, particulate matter in excess of 90 mg/dscm (0.04 gr/dscf).

(Auth.: HAR §11-60.1-3, §11-60.1-90, §11-60.1-161; 40 CFR §60.92)¹

2. For any six (6) minute averaging period, the stack of the drum dryer and hot oil heaters shall not exhibit visible emissions of twenty (20) percent or greater, except as follows. During start-up, shutdown, or equipment breakdown, the stack of the drum dryer and hot oil heaters 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.

(Auth.: HAR §11-60.1-3, §11-60.1-32, §11-60.1-90; 40 CFR §60.92; SIP §11-60-24)^{1,2}

Section E. Monitoring and Recordkeeping Requirements

1. Total Fuel Usage and Specifications

The permittee shall keep receipts of fuel deliveries identifying the delivery dates, fuel type, sulfur content (percent by weight), and amount (gallons) of fuel received. Fuel sulfur content may be demonstrated by providing the supplier's fuel specification sheet for the type of fuel purchased and received. Individual records on the total amount (gallons) of fuel fired in the drum dryer and hot oil heaters shall be maintained on an annual basis for the purpose of annual emissions reporting.

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

2. Operating Hours

- a. The permittee shall install, operate, and maintain a non-resetting hour meter on the drum dryer or DEG for the permanent recording of the total combined hours operated. Each meter shall permanently record the total hours operated for the purpose of the hourly limitations specified in Attachment IIB, Special Condition C.2.

- b. The following information shall be recorded for the operating hours for each meter:

- 1) Date of meter readings;
- 2) Beginning meter readings for each month;

- 3) Total monthly operating hours of the AC plant; and
- 4) Total combined operating hours of the AC plant on a rolling twelve (12) month basis.

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

3. Venturi Wet Scrubber

A magnehelic/photohelic gauge shall be installed, operated, and maintained to monitor the pressure drop of the venturi wet scrubber. The permittee shall monitor the pressure drop (in inches H₂O) across the venturi wet scrubber at least once during each AC plant operation.

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

4. Inspection, Maintenance, and Repair Log

The permitted shall maintain records on inspections, maintenance, and any repair work conducted on the AC plant. At a minimum, these records shall include: the date of the inspection; the name and title of the inspector; a short description of the action and/or any such repair work; and a description of the part(s) inspected or repaired.

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

5. Production Rate

The permittee shall maintain records on the tons of asphalt concrete produced on an annual basis for the purpose of annual emissions reporting.

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

6. Visible Emissions (V.E.)

- a. Except in those months when annual V.E. observations or source performance tests are conducted by a certified reader, the permittee shall conduct **monthly** (*calendar month*) V.E. observations for the drum dryer and hot oil heaters in accordance with Method 9 or by use of a Ringelmann Chart as provided. For each period, two (2) consecutive observations shall be taken at fifteen (15) second intervals for six (6) minutes for each equipment. Records shall be completed and maintained in accordance with the *Visible Emissions Form Requirements*.
- b. The permittee shall conduct **annually** (*calendar year*) V.E. observations for the hot oil heater by a certified reader in accordance with Method 9. For each period, two (2) consecutive observations shall be taken at fifteen (15) second intervals for six (6)

minutes for each equipment. Records shall be completed and maintained in accordance with the *Visible Emissions Form Requirements*.

- c. The annual source performance test covered in Section G (of this attachment) will satisfy **monthly** V.E. observations for the drum dryer for the month the source performance test was conducted.
- d. Upon written request and justification by the permittee, the Department of Health may waive the requirement for a specific annual V.E. observation. The waiver request is to be submitted prior to the required annual V.E. observation and must include documentation justifying such action. Documentation should include, but is not limited to, the results of the prior 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. observation.

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

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

(Auth.: HAR §11-60.1-3, §11-60.1-5, §11-60.1-11, §11-60.1-90, SIP §11-60-15)²

Section F. Notification and Reporting Requirements

1. Notification and reporting pertaining to the following events shall be done in accordance with Attachment I, Standard Condition Nos. 14, 16, 17, and 24, respectively:
 - a. *Anticipated date of initial start-up, actual date of construction commencement, and actual date of start-up;*
 - b. *Intent to shut down air pollution control equipment for necessary scheduled maintenance;*
 - c. *Emissions of air pollutants in violation of HAR, Chapter 11-60.1 or this permit (excluding technology-based emission 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 permit requirements, including those attributable to upset conditions, the probable cause of such deviations and any corrective actions or preventive measures taken. Corrective actions may include a requirement for stack testing, or 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

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:

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

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.*

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)

4. Monitoring

The permittee shall submit, **semi-annually**, the attached *Monitoring Report Forms: Operating Hours; Fuel/DEG Certification; and Visible Emissions* 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 to June 30 and July 1 to December 31), and shall be signed and dated by a responsible official.

(Auth.: HAR §11-60.1-3, §11-60.1-90)

5. Annual Emissions

As required by *Attachment IV: Annual Emissions Reporting Requirements* and in conjunction with the requirements of *Attachment III: Annual Fee Requirements*, the permittee shall report **annually** the total tons/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**. The enclosed *Annual Emissions Report Forms: Asphalt Concrete Plant Production; and Fuel Consumption*, 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, 40 CFR 51 Subpart Q)

Section G. Testing Requirements

1. **Within sixty (60) days after** achieving the maximum production rate at which the AC plant will be operated, but **not later than one-hundred eighty (180) days after** the initial start-up, and annually thereafter, or other times as specified by the Department of Health, the permittee shall conduct or cause to be conducted source performance tests on the exhaust stack of the venturi wet scrubber. Source performance tests shall be conducted for particulate matter (PM) and opacity.

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

2. Source performance tests for the emissions of PM and the determination of opacity shall be conducted and results reported in accordance with the test methods set forth in 40 CFR Part 60 Appendix A, and 40 CFR Part 60.8. The following test methods or U.S. EPA approved equivalent methods shall be used:
 - a. Source performance tests for the emissions of particulate matter shall be conducted using 40 CFR Part 60 Methods 1-5. For Method 5, the sampling time for each run shall be at least sixty (60) minutes and the minimum sample volume shall be at least 0.90 dscm (31.8 dscf).
 - b. Source performance tests to determine opacity shall be conducted using 40 CFR Part 60 Method 9.

(Auth.: HAR §11-60.1-3, §11-60.1-11, §11-60.1-90; 40 CFR 60.8 and 60.93)¹

3. Note that Method 1 cannot be used under the following conditions:
 - a. Cyclonic or swirling gas flow at the sampling location;
 - b. Stack or duct with a diameter less than 12 inches or a cross-sectional area less than 113 square inches; or
 - c. Sampling location less than two stack or duct diameters downstream or less than a half diameter upstream from a flow disturbance.

(Auth.: HAR §11-60.1-3, §11-60.1-11, §11-60.1-90; 40 CFR 60 Appendix A-1)¹

4. Particulate emissions shall be reported in two (2) categories:
 - a. Front half (filter and probe); and
 - b. Front and back half (probe, filter, and impingers). When conducting back half clean-up, all connectors and tubing of the back half sampling train up to and including the first impinger shall be properly rinsed with acetone. Connecting glassware after the first impinger and the other impingers shall be rinsed with water. All rinses shall be included in the analysis for back half.

(Auth.: HAR §11-60.1-3, §11-60.1-11, §11-60.1-90; 40 CFR 60 Appendix A-5)¹

5. For each run, the emission rate of particulate matter shall be determined by the equation pounds/hour = $Q_s \times c_s$, where Q_s = volumetric flow rate of the total effluent in dscf/hour as determined in accordance with Method 2, and c_s = concentration of particulate matter in pounds/dscf as determined in accordance with Method 5.

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

6. The performance test for the emissions of particulate matter and opacity shall consist of three (3) separate one (1) hour runs using the applicable test method. For the purpose of determining compliance with an applicable regulation, the arithmetic mean of the results from the three (3) runs shall apply.
 - a. For each run, the asphalt production rate in tons/hour shall be provided. The permittee shall document the methodology by which the asphalt production rate was determined.
 - b. The pressure drop across the venturi wet scrubber, in inches H₂O, shall be recorded and reported for each run. There shall be one reading per run unless the value changes, then the reading shall be continuous (once every 15 minutes).

(Auth.: HAR §11-60.1-5, §11-60.1-11, §11-60.1-90; 40 CFR 60.8)¹

7. **At least thirty (30) days prior to conducting the source performance test**, the permittee shall submit a written source 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, and other parameters that may affect test results. Such a plan shall conform to U.S. EPA guidelines including quality assurance procedures. A test plan or quality assurance plan that does not have the approval of the Department of Health may be grounds to invalidate any test and require a retest.

(Auth.: HAR §11-60.1-3, §11-60.1-11, §11-60.1-90; 40 CFR §60.8, SIP §11-60-15)^{1,2}

8. Source performance testing shall be made at the expense of the permittee and shall be conducted at the maximum expected operating capacity of the AC plant. The Department of Health may monitor the tests.

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

9. 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; 40 CFR §60.8)

10. **Within sixty (60) days after** completion of the source performance test, 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 AC plant at the time of the test, the analysis of the fuel oil, the summarized test results, other pertinent support calculations, and field/laboratory data.

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

11. Upon written request and justification by the permittee, the Department of Health may waive the requirement for, or a portion of, a specific annual source performance test. The waiver request shall 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 performance test.

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

CSP No. 0300-01-C
Attachment IIB
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Issuance Date:
Expiration Date:

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Section H. Agency Notification

Any document (including reports) required to be submitted by this permit shall be done in accordance with Attachment I, Standard Condition 28.

(Auth.: HAR §11-60.1-4, §11-60.1-90)

¹The citation to the Code of Federal Regulations (CFR) identified under a particular condition, indicates 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.

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

**ATTACHMENT IIC: SPECIAL CONDITIONS FOR 150 CY/HR CONCRETE BATCH PLANT
TEMPORARY COVERED SOURCE PERMIT NO. 0300-01-CT**

Issuance Date:

Expiration Date:

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

Section A. Equipment Description

1. This attachment encompasses the portable 150 cy/hr concrete batch plant consisting of the following equipment and associated appurtenances:
 - a. 150 cy/hr Con-E-Co batch plant (model no. 10 Lo-Pro, serial no. C-3775L);
 - b. Con-E-Co vent baghouse servicing cement silo (model no. 30-250, serial no. BF-1297);
 - c. Con-E-Co vent baghouse servicing weigh batcher (model no. BV-14, serial no. n/a);
 - d. Dust shroud for truck loading;
 - e. Various conveyors; and
 - f. Water sprays for stockpiles.

(Auth.: HAR §11-60.1-3)

2. An identification tag or name plate shall be displayed on equipment a. to c. listed above, which identifies the 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. Operational Limitations

1. The concrete batch plant shall be powered only by the 205 kW, or alternate DEG as allowed in Attachment D. The operating hours will be limited to the total combined fuel limitations of the 205 kW DEG.

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

2. Fugitive Dust

- a. 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 stockpiles. 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. The permittee shall not cause or permit fugitive dust to become airborne without taking reasonable precautions and shall not cause the discharge of visible emissions of fugitive dust beyond the lot line of the property on which the emissions originate.

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

3. Water sprays

- a. The water sprays shall be maintained in good operating condition and be utilized as needed during plant operations at the stockpiles; and grounds of the facility.
- b. The Department of Health at any time may require additional water sprays or manual waterspraying at pertinent locations if an inspection indicates more fugitive dust control is needed.

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

4. Baghouses

- a. The passive vent baghouses shall be utilized at all times during operation of the transport of cement into the cement silo and weigh batching.
- b. The permittee shall follow a regular maintenance schedule, as recommended by the manufacturer, to ensure proper operation of the baghouses.
- c. The permittee shall ensure the following items of the baghouses are operating properly:
 - 1) The filters are checked for any tears, holes, abrasions and scuffs; and replaced as needed.
 - 2) Other miscellaneous items/equipment essential for the effective operation of the baghouses are maintained.

(Auth.: HAR §11-60.1-3, §11-60.1-90)

Section C. Monitoring and Recordkeeping

1. Operating Hours

The operating hours shall be monitored by the fuel usage of the DEG mentioned in Attachment IID, Special Condition B.3.

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

2. Inspection, Maintenance, and Repair Log

The permittee shall maintain records on inspections, maintenance, and any repair work conducted on the concrete batch plant. At a minimum, these records shall include: the date of the inspection; the name and title of the inspector; a short description of the action and/or any such repair work; name and title of inspector; and a description of the part(s) inspected or repaired.

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

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

(Auth.: HAR §11-60.1-3, §11-60.1-5, §11-60.1-11, §11-60.1-90, SIP §11-60-15)²

Section D. Notification and Reporting Requirements

1. Notification and reporting pertaining to the following events shall be done in accordance with Attachment I, Standard Condition Nos. 16, 17, and 24, respectively:
 - a. *Intent to shut down air pollution control equipment for necessary scheduled maintenance;*
 - b. *Emissions of air pollutants in violation of HAR, Chapter 11-60.1 or this permit (excluding technology-based emission exceedances due to emergencies); and*
 - c. *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 permit requirements, including those attributable to upset conditions, the probable cause of such deviations and any corrective actions or preventive measures taken. Corrective actions may include a requirement for additional testing, or 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

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

4. Annual Emissions

As required by *Attachment IV: Annual Emissions Reporting Requirements* 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 air 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 Form: Concrete Production*, 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, §11-60.1-5, §11-60.1-90)

CSP No. 0300-01-C
Attachment IIC
Page 5 of 5
Issuance Date:
Expiration Date:

DRAFT

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 28.

(Auth.: HAR §11-60.1-4, §11-60.1-90)

¹The citation to the Code of Federal Regulations (CFR) identified under a particular condition, indicates 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.

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

**ATTACHMENT IID: SPECIAL CONDITIONS FOR DIESEL ENGINE GENERATORS
COVERED SOURCE PERMIT NO. 0300-01-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 attachment encompasses all of the diesel engine generators (DEGs) which powers the stone processing, asphalt concrete (AC), and concrete batch plants as well as back-up DEGs:
 - a. 840 kW Caterpillar DEG (model no. 3508, serial no. 23Z06358);
 - b. 1,000 kW Caterpillar DEG (model no. 3512, serial no. 24Z02067);
 - c. 225 kW Caterpillar DEG (model no. 3306, serial no. 85Z05762); and
 - d. 205 kW Caterpillar DEG (model no. 3306, serial no. tbd)).

(Auth.: HAR §11-60.1-3)

2. An identification tag or name plate shall be displayed on all the equipment listed above, which identifies the 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. Operational Limitations

1. 840 kW and 1,000 kW DEGs
 - a. The total combined fuel consumption for the two (2) DEGs shall not exceed 170,000 gallons in any rolling twelve (12) month period.
 - b. In no event shall the two (2) DEGs operate simultaneously.
2. 225 kW DEG
 - a. The fuel consumption of the 225 kW DEG shall not exceed 11,000 gallons in any rolling twelve (12) month period.
 - b. The stack height shall be at least 17 feet above ground level.

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

3. 205 kW DEG

The fuel consumption of the 205 kW DEG shall not exceed 26,250 gallons in any rolling twelve (12) month period.

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

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

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

5. Alternate Operating Scenarios

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

The alternate operating scenario involves the replacement of a DEG(s) in the event of failure or a major overhaul of the installed unit. The permittee may replace the DEG(s) with a temporary replacement unit if any repair work reasonably warrants the removal (i.e., equipment failure, engine overhaul, or any major equipment problems requiring maintenance for efficient operation) of the DEG(s) from its site and the following provisions are adhered to:

- 1) Written notification identifying the reasons for the replacement unit(s) from the site of operation is submitted to and approved by the Department of Health prior to the installation;
 - 2) The unit(s) is replaced with a temporary replacement unit(s) with equal or less emissions, and similar stack parameters;
 - 3) The temporary replacement unit complies with all applicable conditions including all air pollution control equipment requirements, operating restrictions and emission limits (if an hour meter is used then the fuel consumption will be calculated using the maximum fuel consumption);
 - 4) The unit(s) shall be repaired and returned to service in a timely manner; and
 - 5) Prior to the removal and return of any unit(s), the permittee shall submit to the Department of Health written documentation on the removal and return dates and on the make, size, model and serial numbers for both the temporary replacement unit and installed unit.
- 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 or the Department of Health, submit written notification to the Department of Health.

- c. The terms and conditions under each alternative operating scenario shall meet all applicable requirements including conditions of this permit.

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

Section C. Emission Limitations

For any six (6) minute averaging period, the DEGs shall not exhibit visible emissions of twenty (20) percent or greater, except as follows. During start-up, shutdown, or equipment breakdown, the DEGs 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.

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

Section D. Monitoring and Recordkeeping

1. Total Fuel Usage and Specifications

The permittee shall keep receipts of fuel deliveries identifying the delivery dates, fuel type, sulfur content (percent by weight), and amount (gallons) of fuel received. Fuel sulfur content maybe 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 DEGs shall be maintained on an annual basis for the purpose of annual emissions reporting.

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

2. Fuel Consumption

- a. The permittee shall install, operate, and maintain a non-resetting fuel meter on each DEG for the permanent recording of the total fuel consumed. The meter shall permanently record the total gallons of fuel consumed for the purpose of the limitations specified in Attachment IID, Special Condition Nos. B.1 to B.3.
- b. The following information shall be recorded for each DEG:
 - 1) Date of meter readings;
 - 2) Beginning meter readings for each month;

- 3) Total operating hours for each month; and
- 4) Total operating hours on a rolling twelve (12) month basis.

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

3. Inspection, Maintenance, and Repair Log

The permittee shall maintain records on inspections, maintenance, and any repair work conducted on the DEGs. As a minimum, these records shall include: the date of the inspection; the name and title of the inspector; a short description of the action and/or any such repair work; name and title of inspector; and a description of the part(s) inspected or repaired.

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

4. Visible Emissions (V.E.)

- a. Except in those months when annual V.E. observations are conducted by a certified reader, the permittee shall conduct **monthly** (*calendar month*) V.E. observations for the DEGs in accordance with Method 9 or by use of a Ringelmann Chart as provided. For each period, two (2) consecutive observations shall be taken at fifteen (15) second intervals for six (6) minutes for each equipment. Records shall be completed and maintained in accordance with the *Visible Emissions Form Requirements*.
- b. The permittee shall conduct **annually** (*calendar year*) V.E. observations for the DEGs by a certified reader in accordance with Method 9. For each period, two (2) consecutive observations shall be taken at fifteen (15) second intervals for six (6) minutes for each equipment. Records shall be completed and maintained in accordance with the *Visible Emissions Form Requirements*.
- c. Upon written request and justification by the permittee, the Department of Health may waive the requirement for a specific annual V.E. observation. The waiver request is to be submitted prior to the required annual V.E. observation and must include documentation justifying such action. Documentation should include, but is not limited to, the results of the prior observations indicating compliance by a wide margin, documentation of continuing compliance, and further that operations of the source have not changed since the previous annual V.E. observation.

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

5. All records, including support information, shall be maintained for **at least five (5) years** following the date of the monitoring sample, measurement, test, report, or application. Support information includes all maintenance, inspection, and repair records, and copies of all reports required by this permit. These records shall be true, accurate, and maintained in

a permanent form suitable for inspection and made available to the Department of Health or their representative upon request.

(Auth.: HAR §11-60.1-3, §11-60.1-5, §11-60.1-11, §11-60.1-90, SIP §11-60-15)²

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. 16, 17, and 24, respectively:
 - a. *Intent to shut down air pollution control equipment for necessary scheduled maintenance;*
 - b. *Emissions of air pollutants in violation of HAR, Chapter 11-60.1 or this permit (excluding technology-based emission exceedances due to emergencies); and*
 - c. *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 permit requirements, including those attributable to upset conditions, the probable cause of such deviations and any corrective actions or preventive measures taken. Corrective actions may include a requirement for additional testing, or 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

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

- 5) Any additional information indicating the source's compliance status with any applicable enhanced monitoring and compliance certification including the requirements of Section 114(a)(3) of the Clean Air Act or any applicable monitoring and analysis provisions of Section 504(b) of the Clean Air Act; and
- 6) Any additional information as required by the Department of Health including information to determine compliance.

- 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.***
- 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)

4. Monitoring

The permittee shall submit, **semi-annually**, the attached *Annual Emissions / Monitoring Report Form: DEG Fuel Consumption*; and *Monitoring Report Forms: Fuel/DEG Certification*; and *Visible Emissions* to the Department of Health. These 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 be signed and dated by a responsible official.

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

5. Annual Emissions

As required by *Attachment IV: Annual Emissions Reporting Requirements* 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 air 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 / Monitoring Report Form: DEG Fuel Consumption*, 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, §11-60.1-5, §11-60.1-90)

Section F. Agency Notification.

Any document (including reports) required to be submitted by this Covered Source Permit shall be done in accordance with Attachment I, Standard Condition 28.

(Auth.: HAR §11-60.1-4, §11-60.1-90)

¹The citation to the Code of Federal Regulations (CFR) identified under a particular condition, indicates 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.

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

**ATTACHMENT II - INSIG
SPECIAL CONDITIONS - INSIGNIFICANT ACTIVITIES
COVERED SOURCE PERMIT NO. 0300-01-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

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

(Auth.: HAR §11-60.1-3)

Section B. Operational Limitations

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

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

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

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

Section C. Monitoring and Recordkeeping Requirements

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

(Auth.: HAR §11-60.1-3, §11-60.1-90)

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

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

Section D. Notification and Reporting

Compliance Certification

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

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

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

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

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

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

CSP No. 0300-01-C
Attachment II - INSIG
Page 3 of 3
Issuance Date:
Expiration Date:

DRAFT

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. 0300-01-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**

**ATTACHMENT IV: ANNUAL EMISSIONS REPORTING REQUIREMENTS
COVERED SOURCE PERMIT NO. 0300-01-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 Annual Emissions Report Forms: Stone Processing Production; Asphalt Concrete Production; and Concrete Production.

Complete the attached Annual Emissions/Monitoring Report Form: DEG Fuel Consumption.

2. The annual reporting period shall be from January 1 to December 31 of each year. Annual reports shall be submitted to the Department of Health within sixty (60) days after the end of each calendar year. All reports 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 by submitting a written request to the Department of Health and clearly identifying the specific information that is to be accorded confidential treatment.

**ANNUAL EMISSIONS REPORT FORM
STONE PROCESSING PRODUCTION
COVERED SOURCE PERMIT NO. 0300-01-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: _____

Company/Facility Name: _____

Equipment Location: _____

Equipment Description: _____

(Provide tph rated capacity for 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): _____

<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 crusher.	_____ n/a _____	_____	_____
2. Process material entering secondary crusher.	_____	_____	_____
3. Process material entering tertiary crusher.	_____	_____	_____
4. Process material entering screener.	_____	_____	_____

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
 ASPHALT CONCRETE PRODUCTION
 COVERED SOURCE PERMIT NO. 0300-01-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: _____

Company/Facility Name: _____

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

Responsible Official (Print): _____

Title: _____

Responsible Official (Signature): _____

Equipment Location: _____

Serial/ID No.: _____

Asphalt Plant Type:

Rated Capacity (specify units): _____

Dryer-Drum

Equipment ¹	Type of Fuel ²	Fuel Usage (gal/yr)	Asphalt Concrete (ton/yr)	Notes

¹ Equipment: List all fuel burning equipment associated with the asphalt plant (including drum dryer and hot oil heater).

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

Type of Air Pollution Control	In Use?	Pollutant Controlled	% reduction
_____	<u>Yes or No</u>	_____	_____
_____	<u>Yes or No</u>	_____	_____

If air pollution control was not in use, submit written information describing the situation.

**ANNUAL EMISSIONS REPORT FORM
CONCRETE PRODUCTION
COVERED SOURCE PERMIT NO. 0300-01-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: _____

Company/Facility Name: _____

Equipment Location: _____

Equipment Description: _____

(Provide cy/hr rated capacity 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): _____

<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. Transfer of sand and aggregate to bins.	_____	_____	_____
2. Cement unloading to storage silos.	_____	_____	_____
3. Weigh hopper loading of cement, sand, and aggregate.	_____	_____	_____
4. Truck loading of concrete.	_____	_____	_____

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

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

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

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

**ANNUAL EMISSIONS / MONITORING REPORT FORM
DEG FUEL CONSUMPTION
COVERED SOURCE PERMIT NO. 0300-01-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 nature and amounts of emissions.

(Make copies for Future Use)

For Period: _____ Date: _____

Company/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 Department of Health as public record.

Responsible Official (Print): _____

Title: _____

Responsible Official (Signature): _____

Fuel Certification:

Report the maximum weight percent sulfur in the fuel oil no. 2 during the reporting period for which this certification is required. _____%

	Monthly Total (gallons)		Rolling 12-Month Total for Both DEGs (gallons)	Meter Readings (gallons/gallons)
	<u>1,000 kW DEG</u>	<u>840 kW DEG</u>		
January				
February				
March				
April				
May				
June				
July				
August				
September				
October				
November				
December				

**ANNUAL EMISSIONS/MONITORING REPORT FORM
DEG FUEL CONSUMPTION
COVERED SOURCE PERMIT NO. 0300-01-C
(CONTINUED PAGE 2 OF 2)**

225 kW DEG

	Monthly Total (gallons)	Rolling 12-Month Total (gallons)	Meter Reading (gallons)
January			
February			
March			
April			
May			
June			
July			
August			
September			
October			
November			
December			

205 kW DEG

	Monthly Total (gallons)	Rolling 12-Month Total (gallons)	Meter Reading (gallons)
January			
February			
March			
April			
May			
June			
July			
August			
September			
October			
November			
December			

**MONITORING REPORT FORM
OPERATING HOURS
COVERED SOURCE PERMIT NO. 0300-01-C**

Issuance Date: _____

Expiration Date: _____

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

(Make copies for Future Use)

For Period: _____ Date: _____

Company/Facility Name: _____

Equipment Location: _____

Equipment Description: 110 tph AC Plant

Equipment Capacity/Rating (specify units): _____
(Units such as Horsepower, kilowatt, 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 Department of Health as public record.

Responsible Official (Print): _____

Title: _____

Responsible Official (Signature): _____

	Monthly Total (hours)	Rolling 12-Month Total (hours)	Meter Reading
January			
February			
March			
April			
May			
June			
July			
August			
September			
October			
November			
December			

**MONITORING REPORT FORM
FUEL/DEG CERTIFICATION
COVERED SOURCE PERMIT NO. 0300-01-C**

Issuance Date:

Expiration Date:

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

Fuel Certification:

Report the maximum weight percent sulfur in the fuel oil no. 2 during the reporting period for which this certification is required. _____%

Stone Processing / AC Plant Certification:

List the date, time, and duration when both Stone Processing and AC Plants operated simultaneously.

DEG Certification:

List the date, time, and duration when the 840 kW and 1,000 kW DEGs operated simultaneously and/or when the replacement DEG exceeded the allowed size.

**VISIBLE EMISSIONS FORM REQUIREMENTS
COVERED SOURCE PERMIT NO. 0300-01-C
STATE OF HAWAII**

The following Visible Emissions (V.E.) Form shall be completed **monthly** (*each calendar month*) for each equipment subject to opacity limits in accordance with Method 9 or by use of a Ringlemann's 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 Ringlemann's Chart provided. The opacity shall be noted in 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) observations shall be taken at fifteen (15) second intervals for six (6) consecutive minutes for each equipment.
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 (5) years, and made available to the Department of Health, or their representative upon request.

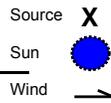
**VISIBLE EMISSIONS FORM
COVERED SOURCE PERMIT NO. 0300-01-C
STATE OF HAWAII**

(Make copies for Future Use For Each Equipment)

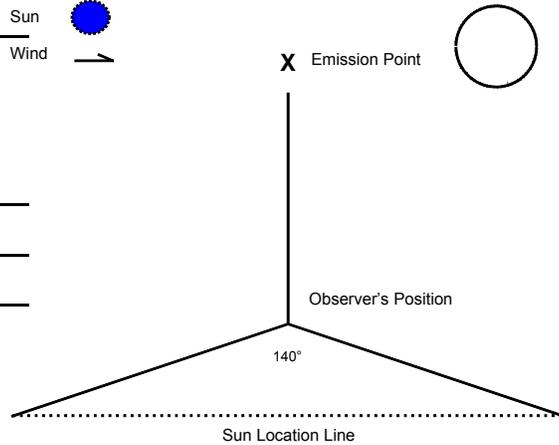
Permit No.: 0300-01-C

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 (%):					

**COMPLIANCE CERTIFICATION FORM
COVERED SOURCE PERMIT NO. 0300-01-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.
(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

<u>Permit term/condition</u> All standard conditions	<u>Equipment(s)</u> All Equipment(s) listed in the permit	<u>Compliance</u> <input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent
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B. Special Conditions - Monitoring, Recordkeeping, Reporting, Testing, and INSIG

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

**COMPLIANCE CERTIFICATION FORM
COVERED SOURCE PERMIT NO. 0300-01-C
(CONTINUED, PAGE ____ OF ____)**

Issuance Date:

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C. Special Conditions - Operational and Emissions Limitations

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

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

(Make Additional Copies if Needed)

**COMPLIANCE CERTIFICATION FORM
COVERED SOURCE PERMIT NO. 0300-01-C
(CONTINUED, PAGE ___ OF ___)**

Issuance Date:

Expiration Date:

D. Deviations

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

(Make Additional Copies if Needed)