

PROPOSED

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08 CAB
File No. 0085-02

Mr. Glenn H. Okuno
Controller
Ameron International Corporation
dba Ameron Hawaii
P. O. Box 29968
Honolulu, Hawaii 96820

Dear Mr. Okuno:

Subject: Covered Source Permit (CSP) No. 0085-02-C
Renewal Application No. 0085-05
Ameron International Corporation, dba Ameron Hawaii
600 TPH Stone Processing and Concrete Plant
Located at: Camp 10 Quarry, Puunene, Maui, Hawaii
Date of Expiration: [Five Years from DATE]

The subject covered source permit renewal is issued in accordance with Hawaii Administrative Rules (HAR), Title 11, Chapter 60.1. The issuance of this permit is based on the plans, specifications, and additional information that you submitted as part of your application dated February 7, 2007.

This permit supersedes CSP No. 0085-02-C issued on July 11, 2005, in its entirety.

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

Attachment I:	Standard Conditions
Attachment IIA:	Special Conditions - 600 TPH Stone Processing Plant
Attachment IIB:	Special Conditions - Concrete Plant
Attachment II - INSIG:	Special Conditions - Insignificant Activities
Attachment III:	Annual Fee Requirements
Attachment IV:	Annual Emissions Reporting Requirements

The forms to be submitted are as follows:

Compliance Certification
Annual Emissions Report Form - Stone Processing

Mr. Glenn H. Okuno

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Annual Emissions Report Form - Fuel Certification & Operating Hours
Annual Emissions Report Form - Concrete Plant Batching & Recycling
Monitoring Report Form - Fuel Certification & Operating Hours
Monitoring Report Form: Visible Emissions

The following are for use in monitoring visible emissions:

Visible Emissions Form Requirements
Visible Emissions Form
The Ringelmann Chart

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

KK:nn

Enclosures

c: Blake Shiigi, EHS - Maui
CAB Monitoring Section

**ATTACHMENT I: STANDARD CONDITIONS
COVERED SOURCE PERMIT NO. 0085-02-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 Regional Administrator for the U.S. Environmental Protection Agency (EPA).

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

(Auth.: HAR §11-60.1-2, §11-60.1-4, §11-60.1-82, §11-60.1-84, §11-60.1-90)
7. This permit (a) does not release the permittee from compliance with other applicable statutes of the State of Hawaii, or with applicable local laws, regulations, or ordinances, and

(b) shall not constitute, nor be construed to be an approval of the design of the covered source.

(Auth.: HAR §11-60.1-5, §11-60.1-82)

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

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

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

(Auth.: HAR §11-60.1-90)

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

(Auth.: HAR §11-60.1-90)

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

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

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

(Auth.: HAR §11-60.1-90)

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

(Auth.: HAR §11-60.1-90)

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

(Auth.: HAR §11-60.1-90)

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

(Auth.: HAR §11-60.1-14, §11-60.1-90)

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

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

17. **Except for emergencies which result in noncompliance with any technology-based emission limitation in accordance with HAR, Section 11-60.1-16.5, in the event any emission unit, air pollution control equipment, or related equipment malfunctions or breaks down in such a manner as to cause the emission of air pollutants in violation of HAR, Chapter 11-60.1 or this permit, the permittee shall immediately notify the**

Department of Health of the malfunction or breakdown, unless the protection of personnel or public health or safety demands immediate attention to the malfunction or breakdown and makes such notification infeasible. In the latter case, the notice shall be provided as soon as practicable. Within five (5) working days of this initial notification, the permittee shall also submit, in writing, the following information:

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

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

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

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

(Auth.: HAR §11-60.1-90)

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

(Auth.: HAR §11-60.1-14, §11-60.1-90)

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

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

commencement dates of each construction phase are defined in Attachment II, Special Conditions of this permit.

(Auth.: HAR §11-60.1-9, §11-60.1-90)

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

(Auth.: HAR §11-60.1-9, §11-60.1-90)

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

(Auth.: HAR §11-60.1-90)

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

(Auth.: HAR §11-60.1-4, §11-60.1-90)

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

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

(Auth.: HAR §11-60.1-11, §11-60.1-90)

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

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

26. Each permit renewal application shall be submitted to the Department of Health no less than twelve (12) months and no more than eighteen (18) months prior to the permit

expiration date. The Department of Health may allow a permit renewal application to be submitted no less than six (6) months prior to the permit expiration date, if the Department of Health determines that there is reasonable justification.

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

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

(Auth.: HAR §11-60.1-93)

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

(Auth.: HAR §11-60.1-90)

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

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

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

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

(Auth.: HAR §11-60.1-4, §11-60.1-90)

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

(Auth.: HAR §11-60.1-5, §11-60.1-90)

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

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

**ATTACHMENT IIA: SPECIAL CONDITIONS
600 TPH STONE PROCESSING PLANT
COVERED SOURCE PERMIT NO. 0085-02-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. The 600 TPH Stone Processing Plant encompasses the following equipment and associated appurtenances:
 - a. 600 TPH Kue Ken primary jaw crusher, model no. 160X, serial no. 160X16958R;
 - b. 500 TPH Hazemag horizontal impact crusher, model no. APS1620K, serial no. HU1380;
 - c. 600 TPH Canica vertical impact crusher, model no. 100, serial no. EE-10020891;
 - d. 3 - 3 deck Hewitt-Robins screening towers, model no. V-16 8 x 20;
 - e. 2 - 2 deck Hewitt Robins screening towers, model no. V-14 6 x 16;
 - f. 536 HP Caterpillar diesel engine generator, model no. 3406C, serial no. 1LS01202;
 - g. Various conveyors; and
 - h. Water spray system.

(Auth.: HAR §11-60.1-3)

2. An identification tag or name plate shall be displayed on the crushers, screening towers, and diesel engine generator listed above to show manufacturer, model no., and serial no. The identification tag or name plate shall be permanently attached to the equipment in a conspicuous location.

(Auth.: HAR §11-60.1-5)

Section B. Applicable Federal Regulations

1. The 600 TPH Stone Processing 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 OOO, Standards of Performance for Nonmetallic Mineral Processing Plants.

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

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

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

Section C. Operational and Emission Limitations

1. Diesel Engine Generator

- a. The minimum stack height of the 536 HP diesel engine generator shall be 26 feet and 10 inches (26'-10") above ground.
- b. The 536 HP diesel engine generator shall only be fired on diesel no. 2 with a fuel sulfur content not to exceed 0.5% by weight.
- c. The total operating hours of the 536 HP diesel engine generator shall not exceed 3,744 hours in any rolling 12-month period.
- d. For any six (6) minute averaging period, the 536 HP diesel engine generator shall not exhibit visible emissions of twenty (20) percent or greater, except as follows: during startup, shutdown, or equipment breakdown, the diesel engine generator may exhibit visible emissions greater than twenty (20) but not exceeding sixty (60) percent opacity for a period aggregating not more than six (6) minutes in any sixty (60) minutes.

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

2. Fugitive Emission Limits

- a. The permittee shall not cause to be discharged into the atmosphere from any crusher, fugitive emissions which exhibit greater than fifteen (15) percent opacity.
- b. The permittee shall not cause to be discharged into the atmosphere from any transfer point on belt conveyors or from any other affected facility, any fugitive emissions which exhibit greater than ten (10) percent opacity.
- c. The permittee shall take reasonable precautions to prevent fugitive dust from becoming airborne and shall not cause or permit the discharge of visible emissions of fugitive dust beyond the lot line of the property boundary on which the emissions originate.

(Auth.: HAR §11-60.1-3, §11-60.1-33, §11-60.1-90, §11-60.1-161; 40 CFR §60.672)¹

3. Fugitive Dust Controls

- a. The permittee shall take measures to control and minimize fugitive dust (e.g., wet suppression, enclosures, dust screens, etc.) at the crushers, material transfer points, stockpiles, plant roads, and throughout the facility. The Department of Health may at any time require the permittee to further abate fugitive dust emissions if an inspection indicates poor or insufficient control. The following measures shall be used by the permittee to control fugitive dust:
 - i. A water spray system, including spray bars or nozzles, shall be maintained and used as necessary during operation of the 600 TPH Stone Processing Plant to minimize fugitive dust at the crusher and material transfer points. Water spray bars shall be maintained and operated at the following material drop off points:
 - A) Feeder to the primary crusher;
 - B) Exit of primary jaw crusher;
 - C) Transfer to triple deck screen; and
 - D) Exit of secondary cone crusher.
 - ii. A water truck shall be maintained and used on the facility grounds as necessary to minimize fugitive dust from roads and storage piles.
- b. The Department of Health may, at any time, require additional water sprays, manual water spraying, and/or enclosures at appropriate locations if an inspection indicates more control of fugitive dust is needed.
- c. The permittee shall not operate the 600 TPH Stone Processing Plant if observation or routine inspection required in Special Condition D.4 of this attachment indicates a significant drop in flow rate, plugged nozzle(s), leak in the piping system, or other problem which affects the efficiency of the water spray system controlling plant emissions. The permittee shall investigate and correct the problem before resuming plant operation. The normal operating flow rate (gallons per minute) of the water spray system shall be established in the performance test conducted pursuant to Section F of this attachment. After review of the test results, the Department of Health may set a requirement for the minimum operating water flow rate.

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

4. Plant Maintenance

The 600 TPH Stone Processing Plant shall be maintained in good operating condition with scheduled inspection and maintenance as recommended by the manufacturer, or as needed.

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

5. Alternate Operating Scenario

Terms and conditions for the reasonably anticipated operating scenario identified by the source in the covered source permit application and approved by the Department of Health are as follows:

- a. The permittee may replace the 536 HP diesel engine generator with a temporary replacement unit if any repair reasonably warrants the removal of the diesel engine generator from its site (i.e., equipment failure, engine overhaul, or any major equipment problems requiring maintenance for efficient operation) and the following provisions are adhered to:
 - i. Written notification identifying the reasons for the replacement is submitted to the Department of Health prior to the exchange;
 - ii. The temporary replacement unit is the same size or smaller with equal or lesser emissions;
 - iii. The temporary replacement unit complies with all applicable conditions including all air pollution control equipment requirements, operating restrictions, and emission limits;
 - iv. The original diesel engine generator shall be repaired and returned to service at the same location in a timely manner;
 - v. Prior to the removal and return of the diesel engine generator, 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 the installed unit;
 - vi. The permittee shall also submit any additional information as requested by the Department of Health, which may include an ambient air quality impact assessment verifying that Federal/State Ambient Air Quality Standards are met.
- 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; and
- c. The terms and conditions under each operating scenario shall meet all applicable requirements, including special conditions of this permit.

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

Section D. Monitoring and Recordkeeping Requirements

1. Records

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

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

2. Processed Stone

The permittee shall maintain records on the total tons of stone processed by the 600 TPH Stone Processing Plant on a monthly and annual basis for purposes of annual emissions reporting.

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

3. Diesel Engine Generator

a. The following records on the diesel engine generator fuel shall be maintained:

- i. Fuel purchase receipts showing the fuel type, sulfur content (% by weight), date when fuel was received at the plant, and gallons of fuel received.
- ii. Supplier's fuel specification sheet showing sulfur content (% by weight) if fuel purchase receipts do not indicate the sulfur content; and
- iii. Total annual gallons of fuel fired in the diesel engine generator.

b. A non-resetting hour meter shall be operated and maintained on the diesel engine generator to determine its operating hours. The meter shall be read at the beginning of each month. Records on the diesel engine generator's operating hours shall be used to determine compliance with Special Condition C.1.c of this attachment and for the purpose of annual emissions reporting. The following records shall be maintained:

- i. Date (at the start of the month) that the meter was read;
- ii. Meter reading;
- iii. Total operating hours per month; and
- iv. Total operating hours per rolling 12-month period.

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

4. Water Spray System

- a. A water flow meter shall be installed, operated, and maintained for the 600 TPH Stone Processing Plant to establish and monitor flow rate of the water spray system used to control fugitive dust.
- b. The water spray system, including the water pump, piping system, spray bars, spray nozzles, and any gauge or flow meter shall be checked routinely or at least once per month to ensure proper operation of the water spray system.

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

5. Inspection, Maintenance, and Repair Log

A log shall be maintained to document inspection, part replacement, maintenance, and repair of the 600 TPH Stone Processing Plant. At a minimum, the following records shall be maintained:

- a. Date that the inspection or repair work was performed;
- b. Name and title of personnel performing the inspection or work;
- c. Description of the equipment or parts inspected, any findings of the inspection, and any work performed on the equipment.

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

6. Visible Emissions (V.E.)

a. Diesel Engine Generator

- i. Except in those months where V.E. observations are conducted by a certified reader for the annual V.E. observations of the diesel engine generator, the permittee shall conduct **monthly** (*calendar month*) V.E. observations of the diesel engine generator in accordance with 40 CFR Part 60, Appendix A, Method 9 or using a Ringelmann Chart as provided. Each month, the permittee shall record two (2) consecutive sets of observations. Each set shall last six minutes in duration and consist of twenty-four (24) readings taken at fifteen (15) second intervals. Records shall be completed and maintained in accordance with the enclosed "Visible Emissions Observation Requirements."
- ii. The permittee shall conduct **annual** (*calendar year*) V.E. observations for the diesel engine generator by a certified reader in accordance with 40 CFR Part 60, Appendix A, Method 9. Two consecutive sets of observation shall be taken at the stack emission point. Each set shall last six minutes in duration and consist of twenty-four (24) readings taken at fifteen (15) second intervals. Records shall be completed and

maintained in accordance with the enclosed "Visible Emissions Observation Requirements."

- iii. Upon written request and justification by the permittee, the Department of Health may waive the requirement for **annual** V.E. observations of the diesel engine generator. The waiver request shall be submitted prior to the required annual V.E. observations and must include documentation justifying such action. Documentation should include, but is not limited to, the results of the prior V.E. observations indicating compliance by a wide margin, documentation of continuing compliance, and documentation that the operation of the emission source has not changed since the previous **annual** V.E. observations.

b. Fugitive Emissions

- i. Except in those months where a performance test is conducted for fugitive emissions pursuant to Section F of this attachment, the permittee shall conduct **monthly** (*calendar month*) V.E. observations of the 600 TPH Stone Processing Plant in accordance with 40 CFR Part 60, Appendix A, Method 9 or using a Ringelmann Chart as provided.
- ii. Monthly V.E. observations shall consist of two (2) consecutive sets of observations. Each set shall last six minutes in duration and consist of twenty-four (24) readings at fifteen (15) second intervals. At least three emission points subject to an opacity limit (including at least one crusher, one screen, and one material transfer point) shall be observed. The selected points shall be rotated each month so that eventually, each crusher, screen, and transfer point is observed. The Department of Health may require observation of additional emission points.
- iii. For V.E. observations of fugitive emissions, the observer shall comply with the following:
 - A) The minimum distance between the observer and the emission source shall be 4.57 meters (15 feet);
 - B) The observer shall, when possible, select a position that minimizes interference from other fugitive emission sources. The required observer position relative to the sun (Method 9, Section 2.1) shall be followed; and
 - C) The observer shall record the operating capacity (tons/hr) of the primary crusher at the time the observations are made.
- iv. Records shall be completed and maintained in accordance with the enclosed "Visible Emissions Observation Requirements."

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

Section E. Notification and Reporting Requirements

1. Standard Condition Reporting

Notification and reporting pertaining to the following events shall be done in accordance with Attachment I, Standard Conditions Nos. 16, 17 and 25, 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. Reporting Deviations

The permittee shall report (in writing) **within five (5) working days** any deviations from the permit requirements, including those attributable to upset conditions, the probable cause of such deviations and any corrective actions or preventative measures taken. Corrective actions may include a requirement for additional source testing, more frequent monitoring, or could trigger the implementation of a corrective action plan.

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

3. Performance Testing

- a. At least **thirty (30) days prior** to conducting a performance test pursuant to Special Conditions, Section F of this attachment, the permittee shall submit a written performance test plan to the Department of Health in accordance with Special Condition F.5 of this attachment.
- b. Written reports of the results of the source performance tests shall be submitted to the Department of Health **within sixty (60) days after the completion of the performance test**, and shall be in conformance with Special Condition F.6 of this attachment.

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

4. Monitoring Report Forms

- a. The permittee shall submit **semi-annually** the following report(s) to the Department of Health:

- i. Monitoring Report Form - Fuel Certification & Operating Hours; and
 - ii. Monitoring Report Form - Visible Emissions.
- b. The reports shall be submitted **within sixty (60) days** *after the end of each semi-annual calendar period (January 1 - June 30 and July 1 - December 31)* and shall include the following:
- i. Fuel type and maximum sulfur content of the fuel (percent by weight);
 - ii. Total diesel engine generator operating hours on a monthly and rolling 12-month basis; and
 - iii. Any opacity exceedances determined during the required V.E. monitoring. Each exceedance reported shall include the date of the exceedance, six (6) minute average opacity reading, possible reasons for the exceedance, duration of exceedance, and corrective actions taken. If there were no exceedances, the permittee shall state so.

(Auth.: HAR §11-60.1-3, §11-60.1-90)

5. Annual Emissions

- a. As required by Attachment IV and in conjunction with the requirements of Attachment III, Annual Fee Requirements, the permittee shall report **annually** the total tons/year emitted of each regulated air pollutant, including any hazardous air pollutants. The reporting of annual emissions is due **within sixty (60) days following the end of each calendar year**. The enclosed report forms shall be used:
- i. Annual Emissions Report Form - Stone Processing; and
 - ii. Annual Emissions Report Form - Fuel Certification & Operating Hours.
- b. Upon the written request of the permittee, the deadline for reporting of annual emissions may be extended, if the Department of Health determines that reasonable justification exists for the extension.

(Auth.: HAR §11-60.1-3, §11-60.1-90)

6. Compliance Certification

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

- a. Identification of each permit term or condition that is the basis of the certification;
- b. Compliance status;
- c. Whether compliance was continuous or intermittent;

- d. Methods used for determining the compliance status of the source currently and over the reporting period;
- e. Any additional information indicating the source's compliance status with any applicable enhanced monitoring and compliance certification including the requirements of Section 114(a) (3) of the Clean Air Act or any applicable monitoring and analysis provisions of Section 504(b) of the Clean Air Act; and
- f. Any additional information as required by the Department of Health including information to determine compliance with applicable requirements.

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

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

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

Section F. Testing Requirements

1. Performance Testing

On an annual basis, the permittee shall conduct performance tests on the plant. Tests shall be conducted for plant equipment subject to the opacity limits provided in Special Conditions C.2.a and C.2.b of this attachment. The Department of Health may require testing at other points in the facility if an inspection indicates poor or insufficient controls.

(Auth.: HAR §11-60.1-3, §11-60.1-5, §11-60.1-11, §11-60.1-90; 40 CFR §60.675)¹

2. Performance Test Methods

- a. Performance tests for opacity determination shall be conducted by a certified reader using Method 9 of 40 CFR Part 60 Appendix A and the procedures in 40 CFR §60.11. In addition, the observer shall comply with the following:
 - i. The minimum distance between the observer and the emissions source shall be 4.57 meters (15 feet) but not greater than 402 meters (0.25 miles);
 - ii. The observer shall, when possible, select a position that minimizes interference from other fugitive emission sources. The required observer position relative to the sun (Method 9, Section 2.1) shall be followed; and
 - iii. The observer shall record the operating capacity (tons/hr) of the primary crusher at the time observations were made.

- b. When determining compliance with the fugitive emissions standard provided in Attachment II, Special Condition C.2.a for each crusher, the duration of Method 9 may be reduced from three (3) hours (thirty 6-minute averages) to one (1) hour (ten 6-minute averages) only if the following conditions apply:
 - i. There are no individual readings greater than fifteen (15) percent opacity; and
 - ii. There are no more than three (3) readings of fifteen (15) percent for the 1-hour period.
- c. When determining compliance with the fugitive emissions standard provided in Special Condition C.2.b of this attachment for any transfer point on the belt conveyor(s) or for any other affected facility, the duration of Method 9 may be reduced from three (3) hours (thirty 6-minute averages) to one (1) hour (ten 6-minute averages) only if the following conditions apply:
 - i. There are no individual readings greater than ten (10) percent opacity; and
 - ii. There are no more than three (3) readings of ten (10) percent for the 1-hour period.
- d. When determining compliance with the fugitive emissions standards of Attachment II, Special Conditions C.2.a and C.2.b, if emissions from two or more facilities continuously interfere so that the opacity of fugitive emissions from an individual affected facility cannot be read, either of the following procedures may be used:
 - i. Use for the combined emission stream, the highest fugitive opacity standard applicable to any of the individual affected facilities contributing to the emissions stream.
 - ii. Separate the emissions so that the opacity of emissions from each affected facility can be read.
- e. If, after **thirty (30) days** notice for an initially scheduled performance test, there is a delay (due to operational problems, etc.) in conducting any rescheduled performance test required by Section F, the permittee shall submit a notice to the Department of Health at least **seven (7) days prior** to any rescheduled performance test.

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

3. Testing Expense and Monitoring

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

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

4. Deviations

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

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

5. Performance Test Plan

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

(Auth.: HAR §11-60.1-3, §11-60.1-5, §11-60.1-11, §11-60.1-90; 40 CFR §60.8, SIP §11-60-15)^{1,2}

6. Performance Test Report

Within sixty (60) days after completion of each performance test, the permittee shall submit to the Department of Health the test report which shall include facility operating conditions, a summary of test results, support calculations, and pertinent field or laboratory data. Results shall be reported in accordance with 40 CFR Part 60 Appendix A and §60.8. The performance test report shall indicate the primary crusher operating rate (tons/hr) at the closed side setting, locations where visible emissions were read, visible emission readings, location of water sprays, and flow rate (gallons per minute) of the water spray system during the test. The water spray system's normal operating water flow rate shall be determined by the water flow rate used during the source performance test that demonstrated compliance with the opacity limits.

(Auth.: HAR §11-60.1-3, §11-60.1-11, §11-60.1-90, §11-60.1-161, 40 CFR §60.675, SIP §11-60-15)^{1,2}

7. Performance Test Waiver

Upon written request and justification, the Department of Health may waive the requirement for, or a portion of, a specific annual source performance test. The waiver request must be submitted prior to the required test and include documentation justifying such action. Documentation should include, but is not limited to, prior test results indicating compliance

by a wide margin, documentation of continuing compliance, and documentation that operations of the source have not changed since the previous performance test.

(Auth.: HAR §11-60.1-3, §11-60.1-90)

Section G. 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 29.

(Auth.: HAR §11-60.1-4, §11-60.1-90)

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

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

**ATTACHMENT IIB: SPECIAL CONDITIONS
CONCRETE PLANT
COVERED SOURCE PERMIT NO. 0085-02-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. The Concrete Plant encompasses the following equipment and associated appurtenances:
 - a. 120 CY/HR Rexcon concrete batch plant, model no. Rex HD-12, serial no. 2033;
 - b. Two (2) C & W Manufacturing and Sales Co. silo dust collectors, model no. CP-305-839 and one (1) C & W Manufacturing and Sales Co. batcher dust collector, model no. CP-35-219 servicing the 120 CY/HR batch plant; and
 - c. 300 TPH Kue Ken waste concrete crusher model no. 150, serial no. 15016453.

(Auth.: HAR §11-60.1-3)

2. An identification tag or name plate shall be displayed on the concrete batch plant, baghouse or dust collectors, and crusher listed above to show manufacturer, model no., and serial no. The identification tag or name plate shall be permanently attached to the equipment in a conspicuous location.

(Auth.: HAR §11-60.1-5)

Section B. Operational and Emission Limitations

1. Visible and Fugitive Emissions Limitations
 - a. For any six (6) minute averaging period, any baghouse or dust collector servicing the concrete batch plant shall not exhibit visible emissions of twenty (20) percent or greater, except as follows: during start-up, shutdown, or equipment breakdown, each baghouse or dust collector may exhibit visible emissions greater than twenty (20) but not exceeding sixty (60) percent opacity for a period aggregating not more than six (6) minutes in any sixty (60) minutes.
 - b. The permittee shall not cause or permit fugitive dust to become airborne without taking reasonable precautions and shall not cause or permit the discharge of visible emissions of fugitive dust beyond the lot line of the property on which the emissions originate.

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

2. Air Pollution Controls

- a. The baghouse or dust collectors for the concrete batch plant shall be utilized at all times during pneumatic transport of cement into any cement storage silo. The permittee shall not operate any cement silo, the cement batcher, or mixer drum if observation or routine inspection indicates a problem affecting baghouse or dust collector efficiency. The permittee shall investigate and correct the problem before resuming operation.
- b. The concrete batch plant, including the baghouse or dust collectors, shall be maintained in good operating condition at all times with routine scheduled inspections and maintenance as recommended by the manufacturer and as needed. The permittee shall follow a regular maintenance schedule to ensure the following items of the baghouse or dust collector are operating properly:
 - i. The filter bags or fabric filters shall be checked for any tears, holes, abrasions and scuffs, and replaced as needed;
 - ii. The baghouse or dust collector cleaning system shall be maintained and operated at sufficient intervals to minimize particulate buildup or caking on the filter bags or fabric filters; and
 - iii. Other miscellaneous items/equipment essential for the effective operation of the baghouse or dust collectors shall be maintained.
- c. The permittee shall take measures to control fugitive dust (e.g., wet suppression) at material transfer points for the 300 TPH waste concrete crusher; sand, aggregate, and waste concrete, or concrete fill stockpiles; and throughout the facility. The Department of Health may at any time require the permittee to further abate fugitive dust emissions if an inspection indicates poor or insufficient control. The following measures shall be used by the permittee to control fugitive dust:
 - i. Water sprays shall be maintained and used continuously during operation of the 300 TPH waste concrete crusher to minimize fugitive dust at the crusher and material transfer points.
 - ii. A water spray system and/or an on-site water truck shall be maintained and used on the facility grounds as necessary to minimize fugitive dust from roads and storage piles.
- d. The water spray system to control emissions, shall be maintained in good operating condition at all times with scheduled inspection and maintenance as recommended by the manufacturer and as needed.

The Department of Health, at any time, may require additional water sprays, manual water spraying, and/or enclosures at appropriate 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, §11-60.1-68)

Section C. Monitoring and Recordkeeping Requirements

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

1. Production Records

The permittee shall maintain monthly and annual production records on the total tons of material processed by the Concrete Plant, which includes concrete batching and waste concrete crushing activities.

2. Inspection, Maintenance, and Repair Log

A log shall be maintained to document inspection, part replacement, maintenance, and repair of the Concrete Plant. (For example, the dates when baghouse filter bags or dust collector filter cartridges are replaced shall be recorded). At a minimum, the following records shall be maintained:

- a. Date that the inspection or repair work was performed;
- b. Name and title of personnel performing the inspection or work;
- c. Description of the equipment or parts inspected, any findings of the inspection, and any work performed on the equipment.

(Auth.: HAR §11-60.1-3, §11-60.1-5, §11-60.1-11, §11-60.1-68, §11-60.1-90)

Section D. Notification and Reporting Requirements

1. Standard Conditions Reporting

Notification and reporting pertaining to the following events shall be done in accordance with Attachment I, Standard Conditions 16, 17 and 25, 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. Reporting Deviations

The permittee shall report (in writing) **within five (5) working days** any deviations from the permit requirements, including those attributable to upset conditions, the probable cause of such deviations and any corrective actions or preventative measures taken. Corrective actions may include a requirement for additional source testing, more frequent monitoring, or the implementation of a corrective action plan.

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

3. Annual Emissions Reporting

As required by Attachment IV, the permittee shall report **annually** the total tons/year emitted of each regulated air pollutant, including any hazardous air pollutants. The reporting of annual emissions is due **within sixty (60) days following the end of each calendar year**. The enclosed “**Annual Emissions Report Form - Concrete Plant Batching & Recycling**,” shall be used.

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

(Auth.: HAR §11-60.1-3, §11-60.1-90)

4. Compliance Certification

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

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

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

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

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

Section E. Agency Notification

Any document (including reports) required to be submitted by this covered source permit shall be done in accordance with Attachment I, Standard Condition 29.

(Auth.: HAR §11-60.1-4, §11-60.1-90)

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

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

**ATTACHMENT II - INSIG: SPECIAL CONDITIONS
INSIGNIFICANT ACTIVITIES
COVERED SOURCE PERMIT NO. 0085-02-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, a compliance certification pursuant to HAR, Subsection 11-60.1-86. The permittee shall indicate whether or not compliance is being met with each term or condition of this permit. The compliance certification shall include, at a minimum, the following information:

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

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

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

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

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

Section E. Agency Notification

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

(Auth.: HAR §11-60.1-4, §11-60.1-90)

**ATTACHMENT III: ANNUAL FEE REQUIREMENTS
COVERED SOURCE PERMIT NO. 0085-02-C**

Issuance Date:

Expiration Date:

The following requirements for the submittal of annual fees are established pursuant to 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 HAR, Chapter 11-60.1, Subchapter 6.
3. The annual emissions data for which the annual fees are based shall accompany the submittal of any annual fees and be submitted on forms furnished by the Department of Health.
4. The annual fees and the emission data shall be mailed to:

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

**ATTACHMENT IV: ANNUAL EMISSIONS REPORTING REQUIREMENTS
COVERED SOURCE PERMIT NO. 0085-02-C**

Issuance Date:

Expiration Date:

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

1. Complete the attached Annual Emission Report Form(s) for:
 - a. Stone Processing
 - b. Fuel Certification & Operating Hours
 - c. Concrete Plant Batching & Recycling
2. The reporting period shall be from January 1 to December 31 of each year. All reports shall be submitted to the Department of Health within sixty (60) days after the end of each calendar year and shall be mailed to the following address:

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

3. The permittee shall retain the information submitted, including all emission calculations. These records shall be in a permanent form suitable for inspection, retained for a minimum of five (5) years, and made available to the Department of Health upon request.
4. Any information submitted to the Department of Health without a request for confidentiality shall be considered public record.
5. In accordance with HAR, Section 11-60.1-14, the permittee may request confidential treatment of specific information, including information concerning secret processes or methods of manufacturing, by submitting a written request to the Department of Health and clearly identifying the specific information that is to be accorded confidential treatment.

PROPOSED

**COMPLIANCE CERTIFICATION FORM
COVERED SOURCE PERMIT NO. 0085-02-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.

PROPOSED

**COMPLIANCE CERTIFICATION FORM
COVERED SOURCE PERMIT NO. 0085-02-C
(CONTINUED, PAGE 2 OF ___)**

Issuance Date:

Expiration Date:

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

Instructions:

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

A. Attachment I, Standard Conditions

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

PROPOSED

**COMPLIANCE CERTIFICATION FORM
COVERED SOURCE PERMIT NO. 0085-02-C
(CONTINUED, PAGE ____ OF ____)**

Issuance Date:

Expiration Date:

C. Special Conditions - Operational and Emissions Limitations

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

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

(Make Additional Copies if Needed)

**COMPLIANCE CERTIFICATION FORM
COVERED SOURCE PERMIT NO. 0085-02-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)

**ANNUAL EMISSIONS REPORT FORM
STONE PROCESSING
COVERED SOURCE PERMIT NO. 0085-02-C**

Issuance Date: _____

Expiration Date: _____

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

(Make Additional Copies for Use)

For Period: _____ Date: _____

Company Name: _____

Facility Name: _____

Equipment Location: _____

Equipment Description: _____

Serial/ID No.: _____

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

Responsible Official (Print): _____

Title: _____

Responsible Official (Signature): _____

Operation	Material Processed (TPY)	Air Pollution Control Measures	Control Efficiency (% Reduction)
Truck unloading			
Primary crushing			
Triple deck screening			
Secondary crushing			
Truck loading			
Conveyor transfer			
Stock piles			

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:

- *Baghouses: 99%*
- *Water sprays, Damp Material, or Shroud: 70%*
- *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
FUEL CERTIFICATION & OPERATING HOURS
COVERED SOURCE PERMIT NO. 0085-02-C**

Issuance Date: _____ **Expiration Date:** _____

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

(Make Additional Copies for Use)

For Period: _____ Date: _____

Company Name: _____

Equipment Location: _____

Equipment Description & Capacity: _____

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

Responsible Official (Print): _____

Title: _____

Responsible Official (Signature): _____

1. Fuel Certification

Types of Fuel Fired During Calendar Year	Supplier	Maximum Sulfur Content (% by Weight)

If not already on file at the Department of Health, provide the supplier's fuel specification sheet for the type of fuel indicated in the above table. The fuel specification sheet shall indicate the percent sulfur content by weight.

2. Diesel Engine Generator Annual Operating Hours

Calendar Year	Total Hours Operated

PROPOSED

**MONITORING REPORT FORM
FUEL CERTIFICATION & OPERATING HOURS
COVERED SOURCE PERMIT NO. 0085-02-C**

Issuance Date: _____ **Expiration Date:** _____

In accordance with the HAR, Title 11, Chapter 60.1, Air Pollution Control, the permittee shall report to the Department of Health the following information **semi-annually**:

(Make Additional Copies for Use)

For Period: _____ Date: _____

Company Name: _____

Equipment Location: _____

Equipment Description & Capacity: _____

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): _____

Fuel Certification		
Types of Fuel Fired During the Reporting Period	Supplier	Maximum Sulfur Content (% by Weight)

If not already on file at the Department of Health, provide the supplier's fuel specification sheet for the type of fuel indicated in the above table. The fuel specification sheet shall indicate the percent sulfur content by weight.

Diesel Engine Generator Operating Hours					
Month	Monthly Total	Rolling 12-Month Total	Month	Monthly Total	Rolling 12-Month Total
January			July		
February			August		
March			September		
April			October		
May			November		
June			December		

**ANNUAL EMISSIONS REPORT FORM
CONCRETE PLANT BATCHING & RECYCLING
COVERED SOURCE PERMIT NO. 0085-02-C**

Issuance Date: _____

Expiration Date: _____

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

(Make Additional Copies for Use)

For Period: _____ Date: _____

Company Name: _____

Facility Name: _____

Equipment Location: _____

Equipment Description: _____

Serial/ID No.: _____

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

Responsible Official (Print): _____

Title: _____

Responsible Official (Signature): _____

Operation	Material Processed (TPY)	Air Pollution Control Measure in Use	Control Efficiency (% Reduction)
Aggregate transfer			
Sand transfer			
Cement unloading			
Weigh hopper loading			
Truck mix load			
Load waste concrete in crusher			
Waste concrete crushing			
Screening			
Conveyor transfer points			
Truck loading			

NOTE: Control measures include water sprays, partial enclosures, screens, housing and duct work to baghouses or dust collectors. Use the following Control Efficiencies, unless available documentation indicates otherwise:

- Baghouses or dust collectors: 99%
- Water sprays, or Shroud: 70%
- 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.

**VISIBLE EMISSIONS FORM REQUIREMENTS
STATE OF HAWAII
COVERED SOURCE PERMIT NO. 0085-02-C**

Issuance Date:

Expiration Date

The **Visible Emissions (V.E.) Form** shall be completed **monthly** (*each calendar month*) for each equipment subject to opacity limits in accordance with 40 CFR Part 60, Appendix A, Method 9 or use of a Ringelmann Chart as provided. At least **annually** (*calendar year*), V.E. observation shall be conducted for each equipment subject to opacity limits by a certified reader in accordance with Method 9. The V.E. Form shall be completed as follows:

1. Visible emissions observations shall take place during the day only and shall be compared to the Ringelmann Chart provided. The opacity shall be noted in five (5) percent increments (e.g., 25%).
2. Orient the sun within a 140 degree sector to your back. Provide a source layout sketch on the V.E. Form using the symbols as shown.
3. For V.E. observations of stacks, stand at least three (3) stack heights but not more than a quarter mile from the stack.
4. For V.E. observations of fugitive emissions from crushing and screening plants, stand at least 4.57 meters (15 feet) from the visible emissions source, but not more than a quarter mile from the visible emission source.
5. Two (2) consecutive six (6) minute observations shall be taken at fifteen (15) second intervals for each stack or emission point.
6. The six (6) minute average opacity reading shall be calculated for each observation.
7. If possible, the observations shall be performed as follows:
 - a. Read from where the line of sight is at right angles to the wind direction.
 - b. The line of sight shall not include more than one (1) plume at a time.
 - c. Read at the point in the plume with the greatest opacity (without condensed water vapor), ideally while the plume is no wider than the stack diameter.
 - d. Read the plume at fifteen (15) second intervals only. Do not read continuously.
 - e. The equipment shall be operating at the maximum permitted capacity.
8. If the equipment was shut-down for that period, briefly explain the reason for shut-down in the comment column.

The permittee shall retain the completed V.E. Forms for recordkeeping. These records shall be in a permanent form suitable for inspection, retained for a minimum of five years, and made available to the Department of Health, or their representative upon request.

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

PROPOSED

VISIBLE EMISSIONS FORM COVERED SOURCE PERMIT NO. 0085-02-C

Issuance Date: _____

Expiration Date: _____

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

Company Name: _____

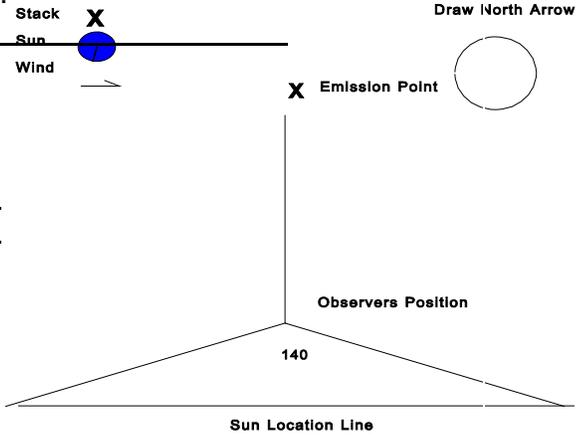
For stacks, describe equipment and fuel: _____

For fugitive emissions from crushers and screens, describe:

Fugitive emission point: _____

Plant Production (tons/hr): _____

(During observation)



Site Conditions:

Emission point or stack height above ground (ft): _____

Emission point or stack distance from observer (ft): _____

Emission color (black or white): _____

Sky conditions (% cloud cover): _____

Wind speed (mph): _____

Temperature (°F): _____

Observer Name: _____

Certified? (Yes/No): _____

Observation Date and Start Time: _____

Method of observation (Ringelmann Chart or Method 9): _____

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

Observation Date and Start Time: _____

Method of observation (Ringelmann Chart or Method 9): _____

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