

PROPOSED (11/09/04)

[Issuance Date]

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

04-XXXE CAB
File No. 0311-05

Mr. Carl L. Simons
President
Hawaiian Cement
Concrete and Aggregate Division
99-1300 Halawa Valley Street
Aiea, Hawaii 96701

Dear Mr. Simons:

**Subject: Covered Source Permit (CSP) No. 0311-03-C
Significant Modification Application No. 0311-05
Hawaiian Cement
Concrete and Aggregate Division
Aggregate Processing Facility, Two Concrete Batch Plants,
Specialty Products Plant and Portable Soil Screener
Located at: 99-1100 Halawa Valley Street, Aiea, Oahu
Date of Expiration: January 2, 2008**

The subject Covered Source Permit is issued in accordance with Hawaii Administrative Rules, Title 11, Chapter 60.1. The issuance of this permit is based on your application for a significant modification dated July 1, 2003, and additional information dated April 10, 2004. This significant modification application consists of the addition of a 653 tph portable jaw crusher, 625 tph roller cone crusher, 8 x 24 screening tower, 7 x 20 wash screen, 2500 ft of conveyors, and a 545 kW diesel engine generator to the existing aggregate processing facility and two (2) 150 ton flyash silos and a flyash weigh hopper to the existing concrete batch plants. This permit shall supersede CSP No. 0311-03-C issued on January 3, 2003, in its entirety. A receipt for the application filing fee of \$2,000.00 is enclosed.

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 - Aggregate Processing Facility
- Attachment IIB: Special Conditions - Concrete Batch Plants, Specialty Products Plant and Portable Soil Screener
- Attachment II - INSIG: Special Conditions - Insignificant Activities
- Attachment III: Annual Fee Requirements
- Attachment IV: Annual Emissions Reporting Requirements
- Attachment V: Compliance Certification

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The forms for submission are as follows:

Monitoring Report Forms: Facility Production
Operating Hours
Visible Emissions
Monitoring/Annual Emissions Report Form: Diesel Engine Generator
Annual Emissions Report Forms: Stone Quarrying and Processing
Concrete Batching
Specialty Products Plant
Portable Soil Screener

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

Sincerely,

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

DL:lk

Enclosures

c: CAB Enforcement Section

PROPOSED (11/09/04)

**ATTACHMENT I: STANDARD CONDITIONS
COVERED SOURCE PERMIT NO. 0311-03-C**

[Issuance Date]

Expiration Date: January 2, 2008

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

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

(Auth.: HAR §11-60.1-90)

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

(Auth.: HAR §11-60.1-6; SIP §11-60-11)²

3. This permit is not transferable whether by operation of law or otherwise, from person to person, from place to place, or from one piece of equipment to another without the approval of the Department of Health, except as provided in HAR, Section 11-60.1-91.

(Auth.: HAR §11-60.1-7; SIP §11-60-9)²

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

(Auth.: HAR §11-60.1-7)

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

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

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

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

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

(Auth.: HAR §11-60.1-5, §11-60.1-82)

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

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

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

(Auth.: HAR §11-60.1-90)

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

(Auth.: HAR §11-60.1-90)

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

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

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

(Auth.: HAR §11-60.1-90)

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

(Auth.: HAR §11-60.1-90)

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

(Auth.: HAR §11-60.1-90)

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

(Auth.: HAR §11-60.1-14, §11-60.1-90)

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

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

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

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

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

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

(Auth.: HAR §11-60.1-90)

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

(Auth.: HAR §11-60.1-14, §11-60.1-90)

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

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

(Auth.: HAR §11-60.1-9, §11-60.1-90)

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

(Auth.: HAR §11-60.1-9, §11-60.1-90)

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

(Auth.: HAR §11-60.1-90)

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

(Auth.: HAR §11-60.1-4, §11-60.1-90)

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

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

(Auth.: HAR §11-60.1-11, §11-60.1-90)

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

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

26. Each permit renewal application shall be submitted to the Department of Health no fewer 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 fewer than six (6) months prior to the permit expiration date, if the Department of Health determines that there is reasonable justification.

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

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

(Auth.: HAR §11-60.1-93)

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

(Auth.: HAR §11-60.1-90)

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

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

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[Issuance Date]
Expiration Date: Jan. 2, 2008

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

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

(Auth.: HAR §11-60.1-4, §11-60.1-90)

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

(Auth.: HAR §11-60.1-5, §11-60.1-90)

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

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

**ATTACHMENT IIA: SPECIAL CONDITIONS
AGGREGATE PROCESSING FACILITY
COVERED SOURCE PERMIT NO. 0311-03-C**

[Issuance Date]

Expiration Date: January 2, 2008

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 of the Covered Source Permit encompasses the following significant equipment and associated appurtenances:

- a. Quarry Plant

Description

50 x 24 Grizzly Feeder, Kolberg-Pioneer KPI, S/N 404074

653 tph Portable Jaw Crusher, Kolberg-Pioneer 4450, S/N 404074

8 x 24 Screening Tower, Deister XHM-3824, S/N 890182

7 x 20 Wash Screen, Horizontal, Deister TFM3P-3720, S/N 980405

625 tph Roller Cone Crusher, JCI Kodiak 400, S/N 40232

2500 ft of Conveyors

545 kW (prime) Diesel Engine Generator, Caterpillar 3412C, S/N BPG00416

- b. Wet Mill Plant - All equipment are electrically driven.

Unit No. Description

SCR1 Super Scrubber; Maximum design capacity: 250 tph

SP1 Hydroseparator; Size: 10 -10 inch cyclones; Maximum design capacity: 2500 gpm

SP2 Hydroseparator; Size: 1 - 30 inch cyclones; Maximum design capacity: 2500 gpm

CL1 Wet Mill Clarifier; Maximum design capacity: 2500 gpm

Various Screens and Conveyors

- c. Flyash Handling System located at Wet Mill Clarifier.

<u>Unit No.</u>	<u>Description</u>
FSS1, FSS2, FSS3	Three Flyash Storage Silos; capacity 1700 cf, each
B1, B2, B3	Three Fabric Filters (Baghouses), serving the storage silos during loading; Manufacturer: Con-E-Co, Model 30-250; Maximum design capacity: 500 acfm, each

- d. Dry Mill Plant - All equipment are electrically driven.

<u>Unit No.</u>	<u>Description</u>
C11	Underground Conveyor
SH1	Surge Hopper; SR1; Maximum design capacity: 900 tph
CR2	Crusher; Manufacturer: Symons, 7 foot short head crusher; Maximum design capacity: 150 tph
CR3	Crusher; Manufacturer: Spokane vertical shaft impact crusher; Maximum design capacity: 150 tph
CR4	Crusher, Manufacturer: Nordberg, 54 inch gyradisc crusher; Maximum design capacity: 150 tph

Various Screens and Conveyors

- e. (55) Storage Piles

Description

process stockpiles - from wet mill to dry mill (i.e., surge piles)

storage stockpiles - finished product piles

(Auth.: HAR §11-60.1-3)

2. An identification tag or name plate shall be displayed on the equipment (except for the conveyors and storage piles) to show model no., serial no., and manufacturer. The identification tag or name plate shall be attached to the equipment at a permanent and conspicuous location.

(Auth.: HAR §11-60.1-5)

Section B. Applicable Federal Regulations

1. The wet mill plant and the quarry plant's 653 tph portable jaw crusher, 625 tph roller cone crusher, 8 x 24 screening tower, 7 x 20 wash screen, and 2500 ft of conveyors are subject to the provisions of the following federal regulations:
 - a. 40 CFR Part 60, Standards of Performance for New Stationary Sources, Subpart A, General Provisions;
 - b. 40 CFR Part 60, Standards of Performance for New Stationary Sources, Subpart OOO, Standards of Performance for Nonmetallic Mineral Processing Plant.

(Auth.: HAR §11-60.1-3, §11-60.1-90, §11-60.1-161; 40 CFR §60.1, §60.670)¹
2. The permittee shall comply with all applicable provisions of these standards, including all emission limits, notification, testing, monitoring and reporting requirements.

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

Section C. Operational Limitations

1. Operational Limits
 - a. The maximum production of material from the wet and dry mill plants combined shall not exceed 1,820,000 tons per any rolling twelve (12) month period.
 - b. The permittee shall not operate the aggregate processing facility in a configuration that would result in an increase in the number of emission points or stockpiles, such as the addition of more transfer or stacking conveyors.
 - c. The maximum hours of operation of the 545 kW diesel engine generator shall not exceed 6000 hours per any rolling twelve (12) month period.
 - d. The 545 kW diesel engine generator shall be fired only on diesel fuel no.2 with a maximum sulfur content not to exceed 0.5% by weight.
2. Air Pollution Control Equipment
 - a. The permittee shall take measures to control fugitive dust (e.g., wet suppression, enclosures, etc) at all material transfer points, at stockpiles, in the quarry and throughout the facility. The Department of Health may at any time require the permittee to further abate fugitive dust emissions if an inspection indicates poor or insufficient control.

- b. 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.
- c. Water sprays shall be operated and maintained at the following locations to minimize fugitive emissions:
 - i. At the wet mill plant's conveyor transfer point (C2 to C3) before screen (SC1),
 - ii. At the quarry plant's 653 tph portable jaw crusher, 625 tph roller cone crusher, 8 x 24 screening tower, 7 x 20 wash screen, and 2500 ft of conveyors, and
 - iii. The water sprays shall be maintained in good operating condition and utilized as necessary during operation of the associated equipment. In addition, a water truck shall be maintained and utilized on the grounds of the facility as necessary to minimize fugitive dust on haul roads and storage piles.
- d. All equipment in the dry mill plant located downstream of conveyors (C13 and C14) leading from the surge hoppers, including product bin loading, shall be operated within an enclosed building to control particulate matter emissions.
- e. The wet mill plant's flyash handling system shall not operate if there is a malfunction of the associated control equipment. The permittee shall investigate and correct the problem before resuming operation.
- f. Baghouses shall be utilized at all times during the pneumatic transport of flyash into the flyash silos.
- g. The permittee shall ensure the following items of each baghouse are regularly maintained and operated:
 - i. The filter bags are checked for any tears, holes, abrasions and scuffs; and replaced as needed;
 - ii. The hopper is discharged in a timely manner to prevent excessive particulate buildup which could cause compaction, overflow or plugging;
 - iii. The cleaning system is maintained and operated at sufficient intervals to minimize particulate buildup or caking on the filter bags; and
 - iv. Other miscellaneous items/equipment essential for the effective operation of the fabric filter are maintained.

(Auth.: HAR §11-60.1-3, §11-60.1-5, §11-60.1-32, §11-60.1-33, §11-60.1-90)

3. Visible Emissions

- a. The permittee shall not cause to be discharged into the atmosphere any visible emissions from the wet mill plant's wet screening operations and subsequent screening operations and belt conveyors that process saturated material in the production line up to the stockpiles. The wet screening operations start at the transfer point from conveyor C3 to screen SC1. A *wet screening operation* means a screening operation at a nonmetallic mineral processing plant which removes unwanted material or which separates marketable fines from the product by a washing process which is designed and operated at all times such that the product is saturated with water.
- b. The permittee shall not cause to be discharged into the atmosphere particulate matter emissions in excess of ten (10) percent opacity from the following locations:
 - i. Any transfer point or affected facility associated with the wet mill plant, with the exception of the wet screening operations and subsequent operations identified in Special Condition No. C.3.a.
 - ii. The quarry plant's 8 x 24 screening tower, 7 x 20 wash screen, and 2500 ft of conveyors
- c. The permittee shall not cause to be discharged into the atmosphere particulate matter emissions in excess of fifteen (15) percent opacity from the quarry plant's 653 tph portable jaw crusher and 625 tph roller cone crusher.
- d. The permittee shall not cause or permit fugitive dust to become airborne without taking reasonable precautions nor discharge visible emissions beyond the lot line of the property on which the emissions originate.
- e. For any six (6) minute averaging period, the baghouses and 545 kW diesel engine generator shall not exhibit visible emissions of twenty (20) percent opacity or greater, except as follows: during startup, shutdown, or equipment breakdown, the baghouses and the 545 kW diesel engine generator may exhibit visible emissions greater than twenty (20) percent opacity but not exceeding sixty (60) percent opacity for a period aggregating not more than six (6) minutes in any sixty (60) minutes.

(Auth.: HAR §11-60.1-3, §11-60.1-32, §11-60.1-90, §11-60.1-161; 40 CFR §60.672)¹

Section D. Monitoring and Recordkeeping Requirements

1. Production Records

Invoice and inventory records shall be maintained to document the total amount of product produced from the wet and dry mill plants on a monthly and rolling twelve (12) month basis.

2. Maintenance Program

A written maintenance program shall be implemented to monitor compliance of the facility's control equipment. The fabric filters, water pump, pipe system, spray nozzles, gauges (i.e., water pressure), water flow meter, and equipment enclosures shall be inspected daily to check for proper operation and control of fugitive dust. Every month the fabric filters shall be internally inspected and parts replaced, as needed. The written maintenance program shall be available for review by the Department of Health upon reasonable request. All control equipment malfunctions or periods of fugitive dust shall be recorded in an Inspection, Maintenance and Repair Log. The corrective action shall also be recorded.

3. Visible Emissions (V.E.)

- a. Except in those months where a performance test is conducted pursuant to Section F, Testing Requirements, the permittee shall conduct **monthly** (*calendar month*) V.E. observations for the wet mill plant, wet screening operations and subsequent operations identified in Special Condition No. C.3.a., and the quarry plant's 653 tph portable jaw crusher, 625 tph roller cone crusher, 8 x 24 screening tower, 7 x 20 wash screen, and 2500 ft of conveyors. Observations shall be made at emission points subject to an opacity limit, and shall be performed in accordance with 40 CFR Part 60, Appendix A, Method 9, or by use of a Ringelmann Chart as provided. For the monthly observations, two (2) consecutive six (6) minute observations shall be taken at fifteen (15) second intervals for each emission point. In addition, the observer shall comply with the following additional requirements:
 - i. The minimum distance between the observer and the emission source shall be 4.57 meters (15 feet);
 - ii. The observer shall, when possible, select a position that minimizes interference from other fugitive emission sources. The required observer position relative to the sun (Method 9; Section 2.1) shall be followed; and
 - iii. The observer shall record the operating capacity (ton/hr) of the plant at the time the observations were made.

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

The Department of Health may allow observation of a portion of the total emission points, if it can be demonstrated that operations have been in compliance with the permit. At a minimum, at least three (3) emission points shall be observed each month. The selection of the points and allowance to observe a portion of the total required emission points shall be obtained in writing from the Department of Health.

- b. The permittee shall conduct **monthly** (*calendar month*) visible emissions observations of the 545 kW diesel engine generator exhaust stack in accordance with 40 CFR Part 60, Appendix A, Method 9, or by use of a Ringelmann Chart as provided. For the monthly observation, two (2) consecutive six (6) minute observations shall be taken at fifteen (15) second intervals. Records shall be completed and maintained in accordance with the **Visible Emissions Form Requirements**.
- c. The permittee shall conduct **annual** (*calendar year*) visible emissions observations of the 545 kW diesel engine generator's exhaust stack by a certified reader in accordance with 40 CFR Part 60, Appendix A, Method 9. For the annual observation, two (2) consecutive six (6) minute observations shall be taken at fifteen (15) second intervals. Records shall be completed and maintained in accordance with the **Visible Emissions Form Requirements**.
- d. Upon written request and justification, the Department of Health may waive the requirement for the annual visible emissions observations for the 545 kW diesel engine generator. The waiver request is to be submitted prior to the required test and must include documentation justifying such action. Documentation should include, but is not limited to, the results of the prior test indicating compliance by a wide margin, documentation of continuing compliance, and further that observations of the source have not changed since the previous annual V.E. observations.

4. 545 kW Diesel Engine Generator

The permittee shall install, operate and maintain a non-resetting hour meter for the permanent recording of the total hours of operation of the 545 kW diesel engine generator. Records of the total hours of operation on a monthly and rolling twelve (12) month basis shall be maintained. Monthly records shall include:

- a. Date of meter reading;
- b. Beginning meter readings for each month;
- c. Total hours of operation for each month; and
- d. Total hours of operation on a rolling twelve (12) month basis.

5. Fuel Data

Fuel purchase receipts, showing the fuel type, sulfur content (percent by weight), date of delivery, and amount (gallons) of fuel delivered to the site for the 545 kW diesel engine generator shall be maintained. Fuel sulfur content may be demonstrated by providing the supplier's fuel specification sheet for the type of fuel purchased and received.

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

6. Records of the monthly and annual visible emission observations for the 545 kW diesel engine generator shall be maintained. Also, records of the monthly visible emissions observation and the annual performance opacity test for the wet mill plant, wet screening operations and subsequent operations identified in Special Condition No. C.3.a., and the quarry plant's 653 tph portable jaw crusher, 625 tph roller cone crusher, 8 x 24 screening tower, 7 x 20 wash screen, and 2500 ft of conveyors.

(Auth.: HAR §11-60.1-3)

7. Inspection, Maintenance and Repair Log

The permittee shall maintain records on inspections, maintenance, and any repair work conducted on the equipment covered under this permit. At a minimum, these records shall include: the date of the inspection; the name and title of the inspector; a description of the part(s) inspected or repaired.

(Auth.: HAR §11-60.1-3, §11-60.1-90)

8. All records, including support information, shall be maintained for at least five (5) years from the date of the monitoring sample, measurement, test, report, or application. Support information includes all maintenance records and copies of all reports required by the permit. These records shall be 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, §11-60.1-11, §11-60.1-90)

Section E. Notification and Reporting Requirements

1. Notification and reporting pertaining to the following events shall be done in accordance with Attachment I, Standard Condition Nos. 14, 16, 17 and 25, respectively:
 - a. *Anticipated date of initial start-up, actual date of construction commencement, and actual date of start-up;*
 - 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 of 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. 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 preventive measures taken. Corrective actions may include a requirement for additional stack testing, or 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. Compliance Certification

During the permit term, the permittee shall submit at least **annually** to the Department of Health and U.S. EPA Region 9, **Attachment V: Compliance Certification**, pursuant to HAR §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 be submitted **within ninety (90) days** *after the end of each calendar year*, and shall be signed and dated by a responsible official. The compliance certification shall include at a minimum the following information:

- a. The identification of each term or condition of the permit that is the basis of the certification;
- b. The compliance status;
- c. Whether compliance was continuous or intermittent;
- d. The methods used for determining the compliance status of the source currently and over the reporting period;
- e. Any additional information indicating the source's compliance 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.

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 and in conjunction with the requirements of Attachment III, Annual Fee Requirements, the permittee shall submit on an **annual basis** the total tons per year emitted of each regulated air pollutant, including any hazardous air pollutants.

The reporting of annual emissions is due **within sixty (60) days** *after the end of each calendar year*. The enclosed **Annual Emissions Report Form: Stone Quarrying and Processing** and **Monitoring/Annual Emissions Report Form: Diesel Engine Generator**, shall be used for reporting purposes.

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, §11-60.1-114)

5. Monitoring Report Forms

The permittee shall submit **semi-annually** the following report to the Department of Health. The report 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)*, be signed and dated by a responsible official, and shall include the following:

- a. The total facility production on a monthly and rolling twelve (12) month basis;
- b. Any opacity exceedances as determined by the required V.E. monitoring. Each exceedance reported shall include the date, six (6) minute average opacity reading, possible reason for exceedance, duration of exceedance, and corrective actions taken. If there were no exceedances, the permittee shall submit in writing a statement indicating that for each equipment there were no exceedances for that semi-annual period;
- c. The total hours of operation of the 545 kW diesel engine generator on a monthly and rolling twelve (12) month basis, as well as the maximum sulfur content (% by weight) of the diesel fuel no. 2 fired; and
- d. Any deviations from permit requirements shall be clearly identified.

The enclosed **Monitoring Report Forms: Facility Production**; and **Visible Emissions**; and the **Monitoring/Annual Emissions Report Form: Diesel Engine Generator**, shall be used for reporting purposes.

(Auth.: HAR §11-60.1-3, §11-60.1-90)

Section F. Testing Requirements

1. On an annual basis or at other times as specified by the Department of Health, the permittee shall conduct or cause to be conducted performance tests on the wet mill plant, and the quarry plant's 653 tph portable jaw crusher, 625 tph roller cone crusher, 8 x 24 screening tower, 7 x 20 wash screen, and 2500 ft of conveyors. The tests shall be conducted for visible emissions at each crusher, screening operation, and at all transfer points on belt conveyors. Annual source performance testing is not required for the wet screening operations and subsequent operations identified in Special Condition No. C.3.a. The Department of Health may require testing at other points in the facility or more frequent testing if an inspection indicates opacity exceedances at emission points.

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

2. Performance tests for visible emissions 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, §60.8. The tests shall be conducted using 40 CFR Part 60, Method 9 and the procedures in 40 CFR Part 60, §60.11 with additions identified in 40 CFR Part 60 Subpart OOO, §60.675(c) or U.S. EPA-approved equivalent methods with prior written approval from the Department of Health.
 - a. When determining compliance with the fugitive emissions standard specified in Special Condition No. C.3.c. for the quarry plant's 653 tph portable jaw crusher and 625 tph roller cone 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.
 - b. When determining compliance with the fugitive emissions standard specified in Special Condition No. C.3.b. for any transfer point or affected facility associated with the wet mill plant, with the exception of the wet screening operations and subsequent operations identified in Special Condition No. C.3.a., and the quarry plant's 8 x 24 screening tower, 7 x 20 wash screen, and 2500 ft of conveyors, 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.

- c. When determining compliance with the fugitive emissions standards of Special Condition Nos. C.3.b. and C.3.c., if the 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.

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

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

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

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

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

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

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

6. **Within sixty (60) days after completion of the performance test**, the permittee shall submit to the Department of Health and U.S. EPA Region 9 (Attention: A-3) the test report which shall include the operating conditions of the wet mill plant or associated equipment which is tested at the time of the test, the summarized test results, comparative results with the permit emission limits, and other pertinent field and laboratory data.

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

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

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

Section G. Agency Notification

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

PROPOSED (11/08/04)

**ATTACHMENT IIB: SPECIAL CONDITIONS
CONCRETE BATCH PLANTS, SPECIALTY PRODUCTS PLANT
AND PORTABLE SOIL SCREENER
COVERED SOURCE PERMIT NO. 0311-03-C**

[Issuance Date]

Expiration Date: January 2, 2008

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 of the Covered Source Permit encompasses the following significant equipment and associated appurtenances:

a. 125 CY/hr Concrete Batch Plant No. 1 - All equipment are electrically driven.

Description

Cement silo no. 1 with baghouse; Maximum design capacity: 31.3 tph

Cement silo no. 2 with baghouse; Maximum design capacity: 31.3 tph

Cement weigh hopper with baghouse

Mixing drum with dust collector; Maximum design capacity: 250 tph

Cement holding bin with baghouse

Flyash silo with baghouse; Maximum design capacity: 50 tons

Flyash silo with baghouse; Maximum design capacity: 150 tons

Flyash weigh hopper

Stockpiles for sand and aggregate

Aggregate/sand hopper

Vibrating wash screen

Storage bunkers

Aggregate/sand storage bin no. 1

Aggregate/sand storage bin no. 2

(2) aggregate/sand weigh hoppers

Aggregate/sand holding bin

Additive hopper

Various conveyors

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- b. 250 CY/hr Concrete Batch Plant No. 3 - All equipment are electrically driven.

Description

Cement silo with two baghouses; Maximum design capacity: 50 tph
Cement weigh hopper and mixing drum with baghouse; Maximum design capacity:
500 tph
Sand and aggregate stock piles
Aggregate/sand hopper
Aggregate/sand storage bin
Aggregate/sand weigh hopper
Various conveyors
Flyash silo and flyash weigh hopper with baghouse; Maximum design capacity for silo:
150 tons

- c. Specialty Products Plant - All equipment are electrically driven.

Description

Cement holding bin and specialty product weigh hopper with baghouse; Maximum
design capacity: 120 tph
(2) screw conveyors
Sand and aggregate stock piles
Aggregate weigh hopper
Sand weigh hopper
Conveyor

- d. Portable Soil Screener

Description

Read Screen-All, Model RD-150A, Serial No. 369-388; Maximum design capacity:
320 CY/hr

(Auth.: HAR §11-60.1-3)

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2. An identification tag or name plate shall be displayed on the equipment (except for the conveyors and stock piles) to show model no., serial no., and manufacturer. The identification tag or name plate shall be attached to the equipment at a permanent and conspicuous location.

(Auth.: HAR §11-60.1-5)

Section B. Operational Limitations

1. The maximum production of material from concrete batch plant no. 1 shall not exceed 624,000 tons per any rolling 12-month period.

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

2. The maximum production of material from concrete batch plant no. 3 shall not exceed 1,248,000 tons per any rolling 12-month period.

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

3. The maximum hours of operation of the specialty products plant shall not exceed 2,080 hours per any rolling 12-month period.

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

4. The maximum hours of operation of the portable soil screener shall not exceed 850 hours per any rolling 12-month period.

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

5. 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)

6. The permittee shall take measures to control fugitive dust (e.g., wet suppression, enclosures, dust screens, etc) at the plant and throughout the workyard, including all material transfer points, open conveyors, and 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.

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

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7. Water spray trucks and/or manual water spraying shall be provided as necessary at the following locations to minimize fugitive dust:

- a. At stockpiles; and
- b. On the facility's unpaved roads.

The Department of Health may at any time require additional water sprays or manual water spraying at pertinent locations other than those listed above if an inspection indicates poor or insufficient fugitive dust control.

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

8. Baghouses shall be utilized at all times during the pneumatic transport of cement into the cement silos and cement bins and the pneumatic transport of flyash into the flyash silos.

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

9. Baghouses shall be utilized at all times during the transport of cement into the weigh hoppers and during truck loading.

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

10. The permittee shall ensure the following items of each baghouse are regularly maintained and operated:

- a. The filter bags are checked for any tears, holes, abrasions and scuffs; and replaced as needed;
- b. The hopper is discharged in a timely manner to prevent excessive particulate buildup which could cause compaction, overflow or plugging;
- c. The cleaning system is maintained and operated at sufficient intervals to minimize particulate buildup or caking on the filter bags; and
- d. Other miscellaneous items/equipment essential for the effective operation of the fabric filter are maintained.

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

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11. For any six (6) minute averaging period, the baghouses shall not exhibit visible emissions of twenty (20) percent opacity or greater, except as follows: during startup, shutdown, or equipment breakdown, baghouses may exhibit visible emissions greater than twenty (20) percent opacity but not exceeding sixty (60) percent opacity for a period aggregating not more than six (6) minutes in any sixty (60) minutes.

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

Section C. Monitoring and Recordkeeping Requirements

1. Non-resetting hour meters shall be operated and maintained on the specialty products plant and the portable soil screener for the permanent recording of the total hours the specialty products plant and the portable soil screener have each operated.

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

2. Maintenance Program

A written maintenance program shall be implemented to monitor compliance of the facility's control equipment. The fabric filters, water pump, pipe system, spray nozzles, gauges (i.e., water pressure), water flow meter, and equipment enclosures shall be inspected daily to check for proper operation and control of nuisance dust. Every month the fabric filters shall be internally inspected and parts replaced, as needed. The written maintenance program shall be available for review by the Department of Health upon reasonable request. All control equipment malfunctions or periods of nuisance dust shall be recorded in an Inspection, Maintenance and Repair Log. The corrective action shall also be recorded.

3. The permittee shall maintain records of the following items:
 - a. Invoice and inventory records shall be maintained to document the total tons of material produced from batch plants nos. 1 and 3 on a monthly and rolling twelve (12) month basis;
 - b. The total number of hours the specialty products plant and the portable soil screener have each operated on a monthly and rolling twelve (12) month basis. Monthly records shall include:
 - i. Date of meter reading;
 - ii. Beginning meter readings for each month;
 - iii. Total operating hours for each month; and
 - iv. Total operating hours on a rolling twelve (12) month basis.

c. Inspection, Maintenance and Repair Log

The permittee shall maintain records on inspections, maintenance, and any repair work conducted on the equipment covered under this permit. At a minimum, these records shall include: the date of the inspection; the name and title of the inspector; a description of the part(s) inspected or repaired.

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

4. All records, including support information, shall be maintained for at least five (5) years from the date of the monitoring sample, measurement, test, report, or application. Support information includes all maintenance records and copies of all reports required by the permit. These records shall be 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, §11-60.1-11, §11-60.1-90)

Section D. Notification and Reporting Requirements

1. Notification and reporting pertaining to the following events shall be done in accordance with Attachment I, Standard Conditions Nos. 14, 16, 17 and 25, respectively:

- a. *Anticipated date of initial start-up, actual date of construction commencement, and actual date of start-up;*
- 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. 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 preventive measures taken. Corrective actions may include a requirement for additional stack testing, or 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. Compliance Certification

During the permit term, the permittee shall submit at least **annually** to the Department of Health and U.S. EPA Region 9, **Attachment V: Compliance Certification**, pursuant to HAR §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 be submitted **within ninety (90) days after the end of each calendar year**, and shall be signed and dated by a responsible official. The compliance certification shall include at a minimum the following information:

- a. The identification of each term or condition of the permit that is the basis of the certification;
- b. The compliance status;
- c. Whether compliance was continuous or intermittent;
- d. The methods used for determining the compliance status of the source currently and over the reporting period;
- e. Any additional information indicating the source's compliance 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.

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 and in conjunction with the requirements of Attachment III, Annual Fee Requirements, the permittee shall submit **on an annual basis** the total tons per year emitted of each regulated air pollutant, including any hazardous air pollutants. The reporting of annual emissions is due **within sixty (60) days after the end of each calendar year**. The enclosed **Annual Emissions Report Forms: Concrete Batching; Specialty Products Plant; and Portable Soil Screener**, 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, §11-60.1-114)

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5. Monitoring Report Forms

The permittee shall submit **semi-annually** the following report to the Department of Health. The report 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)*, be signed and dated by a responsible official, and shall include the following:

- a. The total tons of material processed by batch plants nos. 1 and 3 each on a monthly and rolling twelve (12) month basis;
- b. The total hours of operation for the specialty products plant and the portable soil screener each on a monthly and rolling twelve(12) month basis; and
- c. Any deviations from permit requirements shall be clearly identified.

The enclosed **Monitoring Report Forms: Facility Production; and Operating Hours**, shall be used for reporting purposes.

(Auth.: HAR §11-60.1-3, §11-60.1-90)

Section E. Agency Notification

1. Any document (including reports) required to be submitted by this permit shall be done in accordance with Attachment I, Standard Conditions, 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. 0311-03-C**

[Issuance Date]

Expiration Date: January 2, 2008

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 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

1. Compliance Certification

During the permit term, the permittee shall submit at least **annually** to the Department of Health and U.S. EPA Region 9, Attachment V: Compliance Certification pursuant to HAR, Subsection 11-60.1-86. The permittee shall indicate whether or not compliance is being met with each term or condition of this permit. The compliance certification shall be submitted **within ninety (90) days after the end of each calendar year**, and shall be signed and dated by a responsible official. 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.

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

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

(Auth.: HAR §11-60.1-4, §11-60.1-90)

PROPOSED (11/08/04)

**ATTACHMENT III: ANNUAL FEE REQUIREMENTS
COVERED SOURCE PERMIT NO. 0311-03-C**

[Issuance Date]

Expiration Date: January 2, 2008

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

PROPOSED (11/08/04)

**ATTACHMENT IV: ANNUAL EMISSIONS REPORTING REQUIREMENTS
COVERED SOURCE PERMIT NO. 0311-03-C**

[Issuance Date]

Expiration Date: January 2, 2008

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 Quarrying and Processing; Concrete Batching; Specialty Products Plant; and Portable Soil Screener** and the **Monitoring/Annual Emissions Report Form: Diesel Engine Generator**.
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
State of 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.

ATTACHMENT V: COMPLIANCE CERTIFICATION
COVERED SOURCE PERMIT NO. 0311-03-C

[Issuance Date]

Expiration Date: January 2, 2008

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

(Make Copies for Future Use)

For Period: _____ Date: _____

Facility Name: _____

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

Responsible Official (PRINT): _____

TITLE: _____

Responsible Official (Signature): _____

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

1. Current permit number: _____

2. Emissions Unit No./Description: _____

3. Identify the permit term(s) or condition(s) that is/are the basis of this certification:

4. Compliance status during the reporting period:

a. Has the emissions unit been in compliance with the identified permit term(s) or condition(s)?

YES NO

b. If YES, was compliance continuous or intermittent?

Continuous Intermittent

c. If NO, explain.

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

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

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

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

YES NO

b. If YES, identify those requirements:

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

**MONITORING REPORT FORM
FACILITY PRODUCTION
COVERED SOURCE PERMIT NO. 0311-03-C**

[Issuance Date]

Expiration Date: January 2, 2008

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: _____

Facility Name: _____

Equipment Location: _____

Equipment Description: _____

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

Serial/ID No.: _____

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

Responsible Official (PRINT): _____

TITLE: _____

Responsible Official (Signature): _____

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

List any permit deviations: _____

**MONITORING REPORT FORM
OPERATING HOURS
COVERED SOURCE PERMIT NO. 0311-03-C**

[Issuance Date]

Expiration Date: January 2, 2008

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: _____

Facility Name: _____

Equipment Location: _____

Equipment Description: _____

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

Serial/ID No.: _____

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

Responsible Official (PRINT): _____

TITLE: _____

Responsible Official (Signature): _____

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

List any permit deviations: _____

VISIBLE EMISSIONS FORM REQUIREMENTS
STATE OF HAWAII
COVERED SOURCE PERMIT NO. 0311-03-C

[Issuance Date]

Expiration Date: January 2, 2008

The following 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 by use of a Ringelmann Chart as provided. At least **annually** (*calendar year*), V.E. observations shall be conducted for each equipment subject to opacity limits by a certified reader in accordance with Method 9. The V.E. Form shall be completed as follows:

1. Visible emissions observations shall take place during the day only and shall be compared to the Ringelmann Chart provided. The opacity shall be noted in 5 percent increments (i.e., 25%).
2. Orient the sun within a 140 degree sector to your back. Provide a source layout sketch on the V.E. Form using the symbols as shown.
3. 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.

PROPOSED (11/08/04)

**VISIBLE EMISSIONS FORM
STATE OF HAWAII
COVERED SOURCE PERMIT NO. 0311-03-C**

[Issuance Date]

Expiration Date: January 2, 2008

(Make Copies for Additional Use)

Company Name: _____

Equipment/Emission Point Description: _____

Primary Crusher Production (tons/hr): _____

(During Observation)

Site Conditions:

Stack height above ground (ft): _____

Stack distance from observer (ft): _____

Emission color (black or white): _____

Sky conditions (% cloud cover): _____

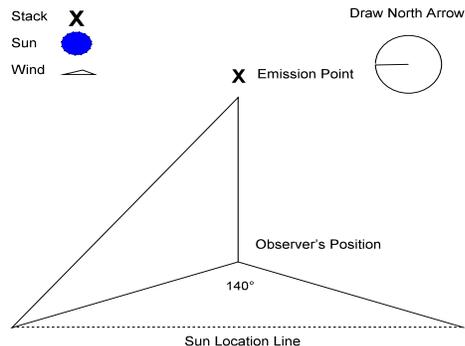
Wind speed (mph): _____

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 (%):					

**MONITORING/ANNUAL EMISSIONS REPORT FORM
DIESEL ENGINE GENERATOR
COVERED SOURCE PERMIT NO. 0311-03-C**

[Issuance Date] _____

Expiration Date: January 2, 2008

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:

(Make Copies for Future Use)

For Period: _____ Date: _____

Facility Name: _____

Equipment Location: _____

Equipment Description: _____

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

Serial/ID No.: _____

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

Responsible Official (PRINT): _____

TITLE: _____

Responsible Official (Signature): _____

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

List any permit deviations: _____

Maximum sulfur content: _____

PROPOSED (11/08/04)

**ANNUAL EMISSIONS REPORT FORM
STONE QUARRYING AND PROCESSING
COVERED SOURCE PERMIT NO. 0311-03-C**

[Issuance Date]

Expiration Date: January 2, 2008

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

(Make Copies for Future Use)

For Period: _____ Date: _____

Facility Name: _____

Equipment Location: _____

Equipment Description: _____

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

Serial/ID No.: _____

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

Responsible Official (PRINT): _____

TITLE: _____

Responsible Official (Signature): _____

Type of Operation	Maximum Tons of Material Entering (tons/hr)	Air Pollution Control Measures in Use	Control Efficiency (% Reduction)
Portable 653 TPH Jaw Crusher			
625 TPH Cone Crusher			
CR2 Crusher			
CR3 Crusher			
CR4 Crusher			
Truck Loading			
Active Stockpiles			

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. Watersprays, 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
CONCRETE BATCHING
COVERED SOURCE PERMIT NO. 0311-03-C**

[Issuance Date] _____

Expiration Date: January 2, 2008

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

(Make Copies for Future Use)

For Period: _____ Date: _____

Facility Name: _____

Equipment Location: _____

Equipment Description (provide CY./Hr. capacity): _____

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): _____

Number of Storage Piles: Aggregate _____ Sand _____

Circle One of the following, or Identify Other: *Central* *Truck Mix* *Other* _____

Cement Unloading to Elevated Storage Silos: Pneumatic _____ Bucket _____

	Type of Operation	Tons of Materials Handled (tons/year)	Air Pollution Control Devices in Use	Control Efficiency %Reduction*
1.	Transfer of sand and aggregate to elevated bins.	_____	_____	_____
2.	Cement unloading to elevated storage silos.	_____	_____	_____
3.	Weigh hopper loading of cement, sand, and aggregate.	_____	_____	_____
4.	Truck loading of cement, sand, and aggregate.	_____	_____	_____

*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.

PROPOSED (11/08/04)

**ANNUAL EMISSIONS REPORT FORM
SPECIALTY PRODUCTS PLANT
COVERED SOURCE PERMIT NO. 0311-03-C**

[Issuance Date]

Expiration Date: January 2, 2008

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

(Make Copies for Future Use)

For Period: _____ Date: _____

Facility Name: _____

Equipment Location: _____

Equipment Description (provide CY./hr. capacity): _____

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): _____

Type of Operation	Tons of Materials Handled (tons/year)	Air Pollution Control Devices in Use	Control Efficiency % Reduction*
1. Transfer of aggregate and sand to weigh hoppers	_____	_____	_____
2. Aggregate and sand weigh hoppers to conveyor	_____	_____	_____
3. Aggregate/sand conveyor to mixer truck	_____	_____	_____
4. Specialty product weigh hopper to mixer truck	_____	_____	_____

**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.

PROPOSED (11/08/04)

**ANNUAL EMISSIONS REPORT FORM
PORTABLE SOIL SCREENER
COVERED SOURCE PERMIT NO. 0311-03-C**

[Issuance Date]

Expiration Date: January 2, 2008

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

(Make Copies for Future Use)

For Period: _____ Date: _____

Facility Name: _____

Equipment Location: _____

Equipment Description (provide CY./hr. capacity): _____

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): _____

<u>Type of Operation</u>	<u>Tons of Materials Handled (tons/year)</u>	<u>Air Pollution Control Devices in Use</u>	<u>Control Efficiency % Reduction*</u>
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1. Screening _____

**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.