

PROPOSED

Date

CERTIFIED MAIL
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09-E CAB
File No. 0406

()

Mr. Norman Shinno
Manager of Maui, Grace Pacific Corporation
Maui Paving, LLC
P.O. Box 330838
Kahului, Hawaii 96733

Dear Mr. Shinno:

**Subject: Temporary Covered Source Permit (CSP) No. 0406-01-CT
Application for Renewal No. 0406-04
Application for Modification No. 0406-06
Maui Paving, LLC
60 TPH Portable Drum Mix Asphalt Concrete Plant
Located at: Various Locations, State of Hawaii
Initial Location: 26 Ulili Street, Kalamaula Industrial Park,
Kaunakakai, Molokai
Date of Expiration: [five years from issuance date]**

The subject Temporary Covered Source Permit is issued in accordance with Hawaii Administrative Rules, 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 applications received on May 17, 2007 and April 23, 2009 and additional information received on August 8, 2007, June 19, July 14, August 4 and 5, 2009. This Temporary Covered Source Permit No. 0406-01-CT supersedes in its entirety Temporary Covered Source Permit No. 0406-01-CT issued on August 12, 2003.

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

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

PROPOSED

Mr. Norman Shinno

Date

Page 2

The forms for submission are as follows:

Compliance Certification Form

Annual Emissions Report Form: 209 kW Diesel Engine Generator

Annual Emissions Report Form: Asphalt Plant Production

Monitoring Report Form: 209 kW Diesel Engine Generator Fuel Certification

Monitoring Report Form: 60 TPH Drum Mixer/Dryer Operating Limit and Fuel Certification

Monitoring Report Form: Opacity Exceedances

Change of Location Request for a Temporary Source

Also enclosed for your use are the Visible Emissions Form Requirements with the following enclosures:

Visible Emissions Form

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

CL:nn

Enclosures

c: Blake Shiigi, EHS – Maui
` CAB Monitoring Section

**ATTACHMENT I: STANDARD CONDITIONS
TEMPORARY COVERED SOURCE PERMIT NO. 0406-01-CT**

Issuance Date:

Expiration Date:

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

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

(Auth.: HAR §11-60.1-90)
2. This permit, or a copy thereof, shall be maintained at or near the source and shall be made available for inspection upon request. The permit shall not be willfully defaced, altered, forged, counterfeited, or falsified.

(Auth.: HAR §11-60.1-6; SIP §11-60-11)²
3. This permit is not transferable whether by operation of law or otherwise, from person to person, from place to place, or from one piece of equipment to another without the approval of the Department of Health, except as provided in HAR, Section 11-60.1-91.

(Auth.: HAR §11-60.1-7; SIP §11-60-9)²
4. A request for transfer from person to person shall be made on forms furnished by the Department of Health.

(Auth.: HAR §11-60.1-7)
5. In the event of any changes in control or ownership of the facilities to be constructed or modified, this permit shall be binding on all subsequent owners and operators. The permittee shall notify the succeeding owner and operator of the existence of this permit and its conditions by letter, copies of which will be forwarded to the Department of Health and the U.S. Environmental Protection Agency (EPA), Region 9.

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

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

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

(Auth.: HAR §11-60.1-5, §11-60.1-82)

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

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

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

(Auth.: HAR §11-60.1-90)

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

(Auth.: HAR §11-60.1-90)

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

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

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

(Auth.: HAR §11-60.1-90)

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

(Auth.: HAR §11-60.1-90)

14. The permittee shall notify the Department of Health and U.S. EPA Region 9 in writing of the following dates:

- a. The **anticipated date of initial start-up** for each emission unit of a new source or significant modification not more than sixty (60) days or less than thirty (30) days prior to such date;
- b. The **actual date of construction commencement** within fifteen (15) days after such date; and
- c. The **actual date of start-up** within fifteen (15) days after such date.

(Auth.: HAR §11-60.1-90)

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

(Auth.: HAR §11-60.1-14, §11-60.1-90)

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

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

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

or public health or safety demands immediate attention to the malfunction or breakdown and makes such notification infeasible. In the latter case, the notice shall be provided as

soon as practicable. Within five (5) working days of this initial notification, the permittee shall also submit, in writing, the following information:

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

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

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

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

(Auth.: HAR §11-60.1-14, §11-60.1-90)

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

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

(Auth.: HAR §11-60.1-9, §11-60.1-90)

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

extension shall be submitted in writing to the Department of Health.

(Auth.: HAR §11-60.1-9, §11-60.1-90)

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

(Auth.: HAR §11-60.1-90)

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

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

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

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

(Auth.: HAR §11-60.1-11, §11-60.1-90)

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

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

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

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

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

(Auth.: HAR §11-60.1-93)

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

(Auth.: HAR §11-60.1-90)

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

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

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

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

(Auth.: HAR §11-60.1-4, §11-60.1-90)

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

(Auth.: HAR §11-60.1-5, §11-60.1-90)

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

CSP No. 0406-01-CT
Attachment I
Page 7 of 6
Issuance Date:
Expiration Date:

PROPOSED

forth in the CFR.

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

**ATTACHMENT II: SPECIAL CONDITIONS
COVERED SOURCE PERMIT NO. 0406-01-CT**

Issuance Date:

Expiration Date:

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

Section A. Equipment Description

1. This permit encompasses the following equipment and associated appurtenances for the 60 TPH Portable Drum Mix Asphalt Concrete Plant:
 - a. 60 TPH portable drum mixer/dryer, Asphalt Drum Mixers, Inc., model no. SPL-5424 (serial no. SPL5424238-91), with a 23 MMBtu/Hr. burner and variable throat venturi scrubber;
 - b. 209 kW (Prime rating) Diesel Engine Generator, Cummins model no. 230DSHAD (Cummins diesel engine model no. QSL9-G2);
 - c. Cold aggregate bins;
 - d. 40 ton asphalt storage silo; and
 - e. Conveyors.

(Auth.: HAR §11-60.1-3)

2. An identification tag or name plate shall be displayed on the 60 TPH drum mixer/dryer and 209 kW diesel engine generator listed above to show model no., serial no., and manufacturer. 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 60 TPH drum mixer/dryer is subject to the provisions of the following federal regulations:
 - a. 40 CFR Part 60, Standards of Performance for New Stationary Sources, Subpart A, General Provisions; and
 - b. 40 CFR Part 60, Standards of Performance for New Stationary Sources, Subpart I, Standards of Performance for Hot Mix Asphalt Facilities.

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

2. The 209 kW diesel engine generator is subject to the provisions of the following federal regulations:
 - a. 40 CFR Part 60, Standards of Performance for New Stationary Sources, Subpart A, General Provisions;
 - b. 40 CFR Part 60, Standards of Performance for New Stationary Sources, Subpart IIII,

Standards of Performance for Stationary Compression Ignition Internal Combustion Engines;

- c. 40 CFR Part 60, National Emission Standards for Hazardous Air Pollutants for Source Categories, Subpart A, General Provisions; and
- d. 40 CFR Part 63, National Emission Standards for Hazardous Air Pollutants for Source Categories, Subpart ZZZZ, National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines.

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

(Auth.: HAR §11-60.1-3, §11-60.1-90, §11-60.1-161; 40 § 60.4200; 40 CFR § 63.6585)¹

Section C. Operational and Emission Limitations

1. Stack Height

The minimum stack height of the 209 kW diesel engine generator shall be 20 feet above ground elevation.

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

2. Daily Operating Limit

The total daily operating hours of the 60 TPH drum mixer/dryer shall not exceed ten (10) hours per day.

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

3. Fuel Requirements

a. Drum Mixer/Dryer

The 60 TPH drum mixer/dryer shall be fired only on diesel fuel no. 2 with a maximum fuel sulfur content of 0.5% by weight.

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

b. Diesel Engine Generator

- i. From initial startup of the 209 kW diesel engine generator and up through September 30, 2010, the diesel engine generator shall be fired only on diesel fuel

no. 2 with:

- 1) A maximum sulfur content of 0.05% by weight; and
- 2) A cetane index or aromatic content as follows:
 - a) Minimum cetane index of forty (40); or
 - b) Maximum aromatic content of thirty-five (35) volume percent.

ii. Beginning October 1, 2010, the diesel engine generator shall be fired only on diesel no. 2 with:

- 1) A maximum sulfur content of 0.0015% by weight; and
- 2) A cetane index or aromatic content as follows:
 - a) Minimum cetane index of forty (40); or
 - b) Maximum aromatic content of thirty-five (35) volume percent.

(Auth.: HAR §11-60.1-3, §11-60.1-38, §11-60.1-90; 40 CFR § 60.4204; 40 CFR § 63.6590)¹

4. Emission Limitations/Standards

- a. On and after the date of start-up of the Drum Mix Asphalt Concrete Plant, the permittee shall not discharge or cause the discharge into the atmosphere from the exhaust stack of the 60 TPH drum mixer/dryer, particulate matter in excess of 90 mg/dscm (0.04 gr/dscf).

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

- b. For any six (6) minute averaging period, the 60 TPH drum mixer/dryer and diesel engine generator shall not exhibit visible emissions of twenty (20) percent or greater, except as follows: during startup, shutdown, or equipment breakdown, the drum mixer/dryer and 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, §11-60.1-90, SIP §11-60-24)²

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

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

5. Air Pollution Controls

- a. The venturi style wet scrubber shall be maintained in good operating condition and utilized at all times during the operation of the 60 TPH drum mixer/dryer.

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

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

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

- c. A water truck shall be maintained and utilized on facility roadways during the operation of the Drum Mix Asphalt Concrete Plant to minimize fugitive dust.

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

6. Location Change

The operation of the equipment covered by this Temporary Covered Source Permit shall involve at least one (1) location change during the term of this permit. Subsequent location changes of the Drum Mix Asphalt Concrete Plant shall be in accordance with this Attachment, Section G. For each change in location, the Department of Health reserves the right to impose additional operational controls and restrictions if a site evaluation indicates the controls and/or restrictions are necessary.

(Auth.: HAR §11-60.1-3, §11-60.1-81, §11-60.1-91)

7. Alternate Operating Scenario

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

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

- 1) Notification and approval in accordance with Special Condition No. E.8.a.;
- 2) The diesel engine generator is replaced with a temporary replacement unit similar in size and with equal or less emissions;
- 3) The temporary replacement unit complies with all applicable conditions including all air pollution control requirements, operating restrictions, and emission limits;

- 4) The diesel engine generator shall be repaired and returned to service at the same location in a timely manner; and
 - 5) Removal and return information submitted as required by Special Condition No. E.8.b.
- b. The Department of Health may require an ambient air quality assessment of the temporary unit, and/or provide a conditional approval to impose additional monitoring, testing, recordkeeping, and reporting requirements to ensure the temporary unit is in compliance with the applicable requirements of the permitted unit being temporarily replaced.
 - c. Records shall be maintained in accordance with Special Condition No. D.8.; and
 - d. The terms and conditions under each alternate operating scenario shall meet all applicable requirements, including conditions of this permit.

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

Section D. Monitoring and Recordkeeping Requirements

1. All records, including support information, shall be true, accurate, and 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 their representative upon request.

(Auth.: HAR §11-60.1-3, §11-60.1-11, §11-60.1-90, § 11-60.1-161)

2. Daily Operating Limit
 - a. A non-resetting hour meter shall be installed, operated, and maintained on the 60 TPH drum mixer/dryer for the permanent recording of the total number of hours the drum mixer/dryer has operated on a daily basis. The total daily operating hours of the drum mixer/dryer shall be maintained for the purpose of demonstrating compliance with the hourly limitation of Special Condition No. C.2.
 - b. The following information shall be recorded for the 60 TPH drum mixer/dryer on a daily basis:
 - i. Date of meter readings;
 - ii. Beginning and ending meter readings for the day; and
 - iii. Total operating hours for the day.

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

3. Fuel and Annual Emissions Requirements

a. Drum Mixer/Dryer

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 60 TPH drum mixer/dryer shall be maintained. Fuel sulfur content may be demonstrated by providing the supplier's fuel specification sheet for the type of fuel purchased and received.

b. Diesel Engine Generator

Fuel purchase receipts, showing the fuel type, sulfur content (percent by weight), cetane index or aromatic content (volume percent), date of delivery, and amount (gallons) of fuel delivered to the site for the 209 kW diesel engine generator shall be maintained. Fuel sulfur content, cetane index, and aromatic content may be demonstrated by providing the suppliers fuel specification sheet for the type of fuel purchased and received. Records on the total amount (gallons) of fuel fired in the diesel engine generator shall be maintained on an annual basis.

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

4. Emission Limitations/Standards

a. Performance Test

Annual source performance tests shall be conducted pursuant to this Attachment, Section F. Test plans, summaries, and results shall be maintained.

(Auth.: HAR §11-60.1-3, §11-60.1-5, §11-60.1-90; 40 CFR § 60.8)

b. Visible Emissions

i. Diesel Engine Generator

- 1) Except in those months where V.E. observations are conducted pursuant to Special Condition No. D.4.b.i.2) of this Attachment, the permittee shall conduct **monthly** (calendar month) V.E. observations for the 209 kW diesel engine generator. Observations shall be performed in accordance with 40 CFR Part 60, Appendix A, Method 9 or by use of a Ringelmann Chart as provided. For each monthly observation, the permittee shall record two (2) consecutive observations, each six (6) minutes in duration with readings taken at fifteen (15) second intervals. Records shall be completed and

maintained in accordance with the *Visible Emissions Observation Requirements*.

- 2) The permittee shall conduct **annually** (calendar year), V.E. observations for the 209 kW diesel engine generator by a certified reader in accordance with 40 CFR Part 60, Appendix A, Method 9. For the annual observation, the permittee shall record two (2) consecutive observations, each six (6) minutes in duration with readings taken at fifteen (15) second intervals. Records shall be completed and maintained in accordance with the *Visible Emissions Observation Requirements*.
- 3) Upon written request and justification by the permittee, the Department of Health may waive the requirement for the annual V.E. observation of the diesel engine generator. The waiver request is to be submitted prior to the required annual V.E. observation and must include documentation justifying such action. Documentation should include, but is not limited to, the results of the prior V.E. observations indicating compliance by a wide margin, documentation of continuing compliance, and further that operations of the source have not changed since the previous annual V.E. observation.

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

ii. Drum Mixer/Dryer

Except in those months where a performance test is conducted pursuant to Special Condition No. F.1. of this Attachment, the permittee shall conduct **monthly** (*calendar month*) V.E. observations for the 60 TPH drum mixer/dryer. Observations shall be performed in accordance with 40 CFR Part 60, Appendix A, Method 9, or by use of a Ringelmann Chart as provided. For each monthly observation, the permittee shall record two (2) consecutive observations, each six (6) minutes in duration with readings taken at fifteen (15) second intervals. Records shall be completed and maintained in accordance with the *Visible Emissions Observation Requirements*.

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

5. Air Pollution Control

- a. The permittee shall install, operate, and maintain in good operating condition the following:
 - i. A water flow gauge for the water line servicing the scrubber water spray bars. The water flow rate shall be measured in gallons per minute;
 - ii. A water pressure gauge for the water pump and lines. The water pressure shall be measured in pounds per square inch; and

- iii. A magnehelic pressure drop gauge for the scrubber. The pressure drop across the scrubber shall be measured in inches of water.
- b. As recommended by the manufacturer, the following shall be checked for proper operation of the scrubber system when the 60 TPH drum mixer/dryer is in use:
 - i. The after pressure of the water pump and lines shall be maintained above forty (40) psi during the production of hot mix asphalt. Deviations from the after pressure requirement shall be reported in accordance with this Attachment, Special Condition E.5.b.;
 - ii. The pressure drop across the scrubber as measured by the magnehelic pressure gauge shall be at or above fifteen (15) inches of water during the production of hot mix asphalt. Deviations from the pressure drop requirement shall be reported in accordance with this Attachment, Special Condition D.6.c.; and
 - iii. Other miscellaneous items/equipment essential for the effective operation of the scrubber.
- c. Any changes to these operating parameters shall be as recommended by the manufacturer or as demonstrated through a performance test and acknowledged/approved by the Department of Health.
- d. The following items shall be recorded daily when the Drum Mix Asphalt Concrete Plant is in use:
 - i. The water flow rate for the water line servicing the scrubber water spray bars;
 - ii. The after pressure of the water pump and lines servicing the scrubber water spray bars; and
 - iii. The pressure drop across the scrubber

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

6. Annual Emissions Reporting Requirements

The permittee shall maintain records on the tons of asphalt concrete produced on a monthly and annual basis. Weight tickets can be used to provide supporting information to substantiate daily production rates.

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

7. Inspection, Maintenance and Repair Log

An inspection, maintenance and repair log shall be maintained for the equipment covered under this permit. Replacement of parts and repairs to the facility equipment shall be documented. At a minimum, the following records shall be maintained:

- a. Date of the inspection/repair;
- b. A description of findings or any maintenance or repair work performed; and
- c. The name and title of the inspector.

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

8. Alternate Operating Scenario

The permittee shall, contemporaneously with making a change from one operating scenario to another, record in a log at the permitted facility the scenario under which it is operating and, if required by any applicable requirement or the Department of Health, submit written notification to the Department of Health.

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

Section E. Notification and Reporting Requirements

1. Standard Condition Reporting

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

- a. *Anticipated date of initial start-up, actual date of construction commencement, and actual date of start-up for the 209 kW diesel engine generator;*
- 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 exceedences due to emergencies); and*
- d. *Permanent discontinuance of construction, modification, relocation, or operation of the facility covered by this permit.*

(Auth.: HAR §11-60.1-8, §11-60.1-15, §11-60.1-16, §11-60.1-90; SIP §11-60-10, §11-60-16)²

2. Deviations

The permittee shall report **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. Stack Height

Within fifteen (15) days of the actual date of start-up of the 209 kW diesel engine generator the permittee shall submit to the Department of Health, in writing, notification of the diesel engine generator's stack height.

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

4. Emission Limitations/Standards

a. Performance Testing

- i. At least **thirty (30) days prior to conducting a source performance test** pursuant to this Attachment, Section F, the permittee shall submit to the Department of Health a written test plan in accordance with this Attachment, Special Condition No. F.5.

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

- ii. Written reports of the results of all source performance tests conducted to demonstrate compliance 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 this Attachment, Special Condition No. F.8.

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

5. Monitoring Report Forms

The permittee shall submit **semiannually** the following written reports to the Department of Health. The reports shall be submitted **within sixty (60) days after the end of each semiannual calendar period (January 1 - June 30 and July 1 - December 31)**, shall be signed and dated by the responsible official, and shall include the following:

- a. Identification of any exceedences of the ten (10) hour per day limitation for the 60 TPH drum mixer/dryer for the purpose of demonstrating compliance with the hourly limitation of Special Condition No. C.2. The report shall include the following:
 - i. For each day the limitation is exceeded report the date, start time, end time, and total hours of operation of the drum mixer/dryer on that date;
 - ii. The reason why the limitation was exceeded; and
 - iii. The report shall so state if no exceedences of the ten (10) hour per day operating limit have occurred during the reporting period.

- b. Identification of any deviations from the after pressure requirement of this Attachment, Special Condition D.5.b.i.
- c. Identification of any deviations from the pressure drop requirement of this Attachment, Special Condition D.5.b.ii.
- d. Identification of the type of fuel fired in the 60 TPH drum mixer/dryer and in the 209 kW diesel engine generator during the respective reporting period. Include:
 - i. The maximum sulfur content (percent by weight) of the fuel fired in the drum mixer/dryer and diesel engine generator; and
 - ii. The minimum cetane index or maximum aromatic content of the fuel fired in the diesel engine generator.
- e. Identification of any opacity exceedances as determined by the required V.E. monitoring of the 60 TPH drum mixer/dryer and 209 kW diesel engine generator. 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 there were no exceedances during the respective reporting period for the drum mixer/dryer and the diesel engine generator.

The following enclosed report forms, or equivalent forms, shall be used to satisfy monitoring requirements:

Monitoring Report Form: 209 kW Diesel Engine Generator Fuel Certification;
Monitoring Report Form: 60 TPH Drum Mixer/Dryer Operating Limit and Fuel Certification; and
Monitoring Report Form: Opacity Exceedances.

(Auth.: HAR §11-60.1-11, §11-60.1-90)

6. Compliance Certification

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

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

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

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

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

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

7. Annual Emissions

As required by Attachment IV and in conjunction with the requirements of Attachment III, Annual Fee Requirements, the permittee shall submit **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 following enclosed forms, or equivalent forms, shall be used to satisfy annual emission reporting requirements:

Annual Emissions Report Form: 209 kW Diesel Engine Generator
Annual Emissions Report Form: Asphalt Plant Production.

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

(Auth.: HAR §11-60.1-3, § 11-60.1-5, §11-60.1-90, § 11-60.1-114)

8. Alternate Operating Scenario

- a. The permittee shall submit a written request and receive prior written approval from the Department of Health before the exchange. The written request shall identify at a minimum the reasons for the replacement of the diesel engine generator from the site of operation and the estimated time period/dates for the temporary replacement, type and size of the temporary unit, emissions data, and stack parameters.

- b. Prior to the removal and return of 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.

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

Section F. Testing Requirements

1. On an annual basis and other times as may be specified by the Department of Health, performance tests for the emissions of particulate matter and the determination of opacity from the 60 TPH drum mixer/dryer shall be conducted and results reported in accordance with the test methods set forth in 40 CFR Part 60, Appendix A and 40 CFR Part 60.8. The following test methods or U.S. EPA-approved equivalent methods with prior written consent from the Department of Health shall be used:

- a. Particulate Matter

Performance test for the emissions of particulate matter shall be conducted using 40 CFR Part 60, Methods 1-5. For Method 5, the sampling time for each run shall be at least sixty (60) minutes and the minimum sample volume shall be at least 0.90 dscm (31.8 dscf); and

- b. Opacity

Performance tests to determine opacity shall be conducted using 40 CFR Part 60, Method 9.

(Auth.: HAR §11-60.1-3, §11-60.1-11, §11-60.1-90, §11-60.1-161; 40 CFR §60.8, §60.93)¹

2. The performance test for the emissions of particulate matter shall consist of three (3) separate runs using the applicable test method. For the purpose of determining compliance with an applicable regulation, the arithmetic mean of the results from the three (3) runs shall apply.
 - a. For each run, the asphalt production rate in tons/hour shall be provided. The permittee shall document the methodology by which the asphalt production rate was determined.
 - b. The water pressure and water flow rate for the water lines servicing the scrubber water spray bars and the average pressure drop across the scrubber shall be recorded and reported for each run. There shall be one reading per run unless the value changes, then the reading shall be continuous.

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

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

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

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

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

5. **At least thirty (30) calendar days prior to conducting a performance test**, the permittee shall submit a written performance test plan to the Department of Health that describes the date(s) of the test, test duration, test locations, test methods, source operation and other parameters that may affect performance 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)

6. The performance tests shall be made at the expense of the permittee and shall be conducted at the maximum expected operating capacity of the Drum Mix Asphalt Concrete Plant. All performance tests may be monitored by the Department of Health.

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

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

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

8. **Within sixty (60) calendar days after completion of the performance test**, the permittee

shall submit to the Department of Health the test report which shall include the operating conditions (e.g. operating rate, tons/hour, pressure drop readings, etc.) of the Drum Mix Asphalt Concrete Plant, the summarized test results, comparative results with the permit emission limits, and other pertinent field data, laboratory data, and support calculations.

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

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

(Auth.: HAR §11-60.1-3, §11-60.1-90)

Section G. Change of Location Requirements

1. The permittee shall submit information regarding all succeeding location changes to the Director of Health for approval at least thirty (30) days, or such lesser time as designated and approved by the Director of Health, prior to the change in location. The information submitted shall include the following:
 - a. Name, address, and phone number of the facility and the plant site manager or other contact;
 - b. Temporary covered source permit number and expiration date;
 - c. Identification of current location;
 - d. Location map of the new temporary location containing the following information:
 - i. Identification of the property/fence lines; and
 - ii. Location of all structures within 100 meters of the equipment. Provide the building dimensions (height, length, and width) of all structures that have heights greater than 40% of the stack height of the equipment.
 - e. Projected dates of operation at the new location;
 - f. Identification of any other air pollution sources at the new location;
 - g. Certification that no modification will be made to the equipment, and operational methods will remain similar as permitted under this Temporary Covered Source Permit at the new location; and
 - h. Any additional information as requested by the Department of Health, including an ambient air quality impact assessment of the facility at the new location.

(Auth.: HAR §11-60.1-3, §11-60.1-91)

2. The applicable filing fee shall be submitted to the Department of Health with each change in location request.

(Auth.: HAR §11-60.1-3, §11-60.1-91)

3. Prior to any relocation, the Department of Health shall approve, conditionally approve, or deny in writing each location change. If the Department of Health denies a location change, the applicant may appeal the decision pursuant to HRS, Chapter 91.

(Auth.: HAR §11-60.1-3, §11-60.1-91)

4. At each of the authorized locations, the permittee shall operate in accordance with this Temporary Covered Source Permit and all applicable requirements.

(Auth.: HAR §11-60.1-3, §11-60.1-91)

5. All the information required in this section shall be submitted to the Hawaii Department of Health using the attached form, "Change in Location Request for a Temporary Source."

(Auth.: HAR §11-60.1-3, §11-60.1-91)

Section H. Agency Notification

Any document (including reports) required to be submitted by this Covered Source Permit shall be done in accordance with Attachment I, Standard 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
TEMPORARY COVERED SOURCE PERMIT NO. 0406-01-CT**

Issuance Date:

Expiration Date:

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

Section A. Equipment Description

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 true, accurate, and maintained in a permanent form suitable for inspection and made available to the Department of Health or its authorized representative upon request.

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

Section D. Notification and Reporting

Compliance Certification

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

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

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

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

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

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

Section E. Agency Notification

Any document (including reports) required to be submitted by this Covered Source Permit shall be done in accordance with Attachment I, Standard Condition No. 28.

(Auth.: HAR §11-60.1-4, §11-60.1-90)

**ATTACHMENT III: ANNUAL FEE REQUIREMENTS
TEMPORARY COVERED SOURCE PERMIT NO. 0406-01-CT**

Issuance Date:

Expiration Date:

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

1. Annual fees shall be paid in full:
 - a. Within **sixty (60) days** after the end of each calendar year; and
 - b. Within **thirty (30) days** after the permanent discontinuance of the covered source.
2. The annual fees shall be determined and submitted in accordance with Hawaii Administrative Rules, Chapter 11-60.1, Subchapter 6.
3. The annual emissions data for which the annual fees are based shall accompany the submittal of any annual fees and be submitted on forms furnished by the Department of Health.
4. The annual fees and the emission data shall be mailed to:

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

PROPOSED

**ATTACHMENT IV: ANNUAL EMISSIONS REPORTING REQUIREMENTS
TEMPORARY COVERED SOURCE PERMIT NO. 0406-01-CT**

Issuance Date:

Expiration Date:

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

1. Complete the attached form(s):

Annual Emission Report Form: 209 kW Diesel Engine Generator

Annual Emissions Report Form: Asphalt Plant Production

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

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

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

**COMPLIANCE CERTIFICATION FORM
TEMPORARY COVERED SOURCE PERMIT NO. 0406-01-CT
PAGE 1 OF ____**

Issuance Date: _____

Expiration Date: _____

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

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

For Period: _____ Date: _____

Company/Facility Name: _____

Responsible Official (Print): _____

Title: _____

Responsible Official (Signature): _____

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

**COMPLIANCE CERTIFICATION FORM
 TEMPORARY COVERED SOURCE PERMIT NO. 0406-01-CT
 (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.

d. A. Attachment I, Standard Conditions

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

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

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

**COMPLIANCE CERTIFICATION FORM
 TEMPORARY COVERED SOURCE PERMIT NO. 0406-01-CT
 (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
		monitoring recordkeeping reporting testing none of the above	Continuous Intermittent

(Make Additional Copies if Needed)

<p>COMPLIANCE CERTIFICATION FORM TEMPORARY COVERED SOURCE PERMIT NO. 0406-01-CT (CONTINUED, PAGE ___ OF ___)</p>	
<p>Issuance Date:</p>	<p>Expiration Date:</p>

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
209 KW DIESEL ENGINE GENERATOR
TEMPORARY COVERED SOURCE PERMIT NO. 0406-01-CT**

Issuance Date: _____

Expiration Date: _____

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

(Make copies for Future Use)

For Period: _____ Date: _____

Company name: _____

Facility name: _____

Equipment location: _____

Equipment description: _____

Serial/ID Number: _____

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): _____

For the reporting period:

Type of Fuel Fired	Fuel Usage Gallons per year

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

**ANNUAL EMISSIONS REPORT FORM
ASPHALT PLANT PRODUCTION
TEMPORARY COVERED SOURCE PERMIT NO. 0406-01-CT
Page 1 of 2**

Issuance Date: _____

Expiration Date: _____

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

(Make copies for Future Use)

For Period: _____ Date: _____

Company name: _____

Facility name: _____

Equipment location: _____

Equipment description: _____

Serial/ID Number: _____

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): _____

For the reporting period:

<u>Type of Air Pollution Control</u>	<u>In Use?</u> ³
_____	Yes or No
_____	Yes or No
_____	Yes or No

³ If air pollution control was not in use, submit written information describing the situation.

**ANNUAL EMISSIONS REPORT FORM
ASPHALT PLANT PRODUCTION
TEMPORARY COVERED SOURCE PERMIT NO. 0406-01-CT
Page 2 of 2**

Issuance Date:

Expiration Date:

Month	Maximum Hourly Production Rate Achieved (tons/hr)	Total Production for the Month (tons)	Notes
January			
February			
March			
April			
May			
June			
July			
August			
September			
October			
November			
December			
Total Annual Production			

**MONITORING REPORT FORM
209 KW DIESEL ENGINE GENERATOR FUEL CERTIFICATION
TEMPORARY COVERED SOURCE PERMIT NO. 0406-01-CT**

Issuance Date: _____

Expiration Date: _____

In accordance with the Hawaii Administrative Rules, Title 11, Chapter 60.1, Air Pollution Control, the permittee shall report to the Department of Health the following information at least every six (6) months:

(Make copies for Future Use)

For Period: _____ Date: _____

Company name: _____

Facility name: _____

Equipment location: _____

Equipment description: _____

Serial/ID Number: _____

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): _____

For the reporting period: _____

Provide certification of the following:

Type of Fuel Fired	Maximum % Sulfur Content by Weight	Minimum Cetane Index	Maximum Aromatic Content (Volume %)

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

**MONITORING REPORT FORM
60 TPH DRUM MIXER/DRYER OPERATING LIMIT AND FUEL CERTIFICATION
TEMPORARY COVERED SOURCE PERMIT NO. 0406-01-CT
Page 1 of 2**

Issuance Date:

Expiration Date:

In accordance with the Hawaii Administrative Rules, Title 11, Chapter 60.1, Air Pollution Control, the permittee shall report to the Department of Health the following information at least every six (6) months:

(Make copies for Future Use)

For Period: _____ Date: _____

Company name: _____

Facility name: _____

Equipment location: _____

Equipment description: _____

Serial/ID Number: _____

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): _____

For the reporting period:

1. Report all exceedences of the 10 hour per day operating limit for the 60 TPH drum mixer/dryer:

Date of Exceedence	Operated From (Time)	Operated To (Time)	Total Hours Operated on this date	Reason for exceeding the daily limitation

Indicate in the table above if no exceedence of the daily limitation has occurred.

**CHANGE OF LOCATION REQUEST
FOR A TEMPORARY SOURCE
TEMPORARY COVERED SOURCE PERMIT NO. 0406-01-CT**

Issuance Date:

Expiration Date:

In accordance with the Hawaii Administrative Rules, Title 11, Chapter 60.1, Air Pollution Control, the permittee shall provide the following information to the Department of Health:

(Make Copies for Future Use)

1. The permittee shall submit a change of location request for all succeeding location changes. The change of location request shall include the attached Change of Location Request for a Temporary Source Form and the items identified in nos. 2, 3, and 4 below. The change of location request shall be submitted to the Department of Health for approval at least thirty (30) days, or such lesser time as designated and approved by the Department of Health, prior to the change in location.
2. The permittee shall submit a location map of the new temporary location containing the following information:
 - a. Identification of the property boundary, fence lines, and general terrain features (i.e. flat, hilly, steep);
 - b. Location of all structures within 100 meters (330 feet) of the equipment;
 - c. Location of the equipment moving to the new temporary location; and
 - d. Location of other air pollution sources owned and operated by the permittee at the new location, if any.
3. The permittee shall submit a filing fee with each change in location request. The filing fee shall be made payable to the **Clean Air Special Fund-COV** and is as follows:

Covered Sources
____ \$100.00 for Non-Air Toxic
____ \$300.00 for Air Toxic
4. If requested by the Department of Health, the permittee shall submit any additional information including an ambient air quality impact analysis of the equipment at the new location.
5. This notification form shall be mailed to the following address:

**CLEAN AIR BRANCH
ENVIRONMENTAL MANAGEMENT DIVISION
HAWAII DEPARTMENT OF HEALTH
919 Ala Moana Boulevard, Room 203
Honolulu, HI 96814
(808) 586-4200**

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1. Prior to any relocation, the Department of Health shall approve, conditionally approve, or deny in writing each location change. If the Department of Health denies a location change, the applicant may appeal the decision pursuant to HRS, Chapter 91.
 2. At each new authorized location, the permittee shall operate in accordance with the current Temporary Covered Source Permit and all applicable requirements.

**CHANGE OF LOCATION REQUEST
FOR A TEMPORARY SOURCE
TEMPORARY COVERED SOURCE PERMIT NO. 0406-01-CT
(PAGE 1 OF 2)**

Issuance Date: _____

Expiration Date: _____

1. Company Name: _____
2. Mailing Address: _____
 City: _____ State: _____ Zip Code: _____
 Phone Number: _____
3. Name of Owner/Owner's Agent: _____
 Title: _____ Phone Number: _____
4. Equipment Description (identify each equipment to be relocated): _____

5. Current Location of Equipment: _____

6. New Location Information

- a. Street Address: _____
- b. City: _____ Zip Code: _____ Island: _____
- c. For sites with no street address, provide:
 Description of location: _____
 or, Tax map key: _____
- d. Plant manager/contact: _____ Phone: _____
- e. Proposed start date at new location: _____
- f. Estimated project duration at new location: _____
- g. Describe general terrain features (e.g. flat, hilly, steep, etc.): _____
 Approximate Slope (%): _____ Direction of increasing slope: _____
- h. List structures within **100 meters (330 feet)** of the equipment and which have heights greater than 40% of the equipment stack height. In the following table, provide the height, length, width, and distance to the equipment stack at the new site. If there are no applicable structures, specify "none."

Structure	Distance from Stack (ft)	Height (ft)	Length (ft)	Width (ft)

**CHANGE OF LOCATION REQUEST
FOR A TEMPORARY SOURCE
TEMPORARY COVERED SOURCE PERMIT NO. - -CT
(PAGE 2 OF 2)**

Issuance Date: _____

Expiration Date: _____

- i. Brief description of the work to be performed: _____

- j. Identify other air pollution sources owned and operated by the permittee at the new location, if any: _____

- k. Provide estimated distances to the nearest residence and/or occupied establishments (e.g. schools, businesses, etc.):

Distance	Identify if residence, school, business, etc.

I certify that I have knowledge of the facts herein set forth, that the same are true, accurate and complete to the best of my knowledge and belief, and that all information not identified by me as confidential in nature shall be treated by the Department of Health as public record. I further state that no modifications will be made to the equipment and operational methods will remain similar as permitted under the current temporary covered source permit at this new location.

Responsible Official (Print name): _____ Date: _____

Title of Responsible Official: _____

Responsible Official (Signature): _____

**VISIBLE EMISSIONS FORM REQUIREMENTS
STATE OF HAWAII
TEMPORARY COVERED SOURCE PERMIT NO. 0406-01-CT**

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.

**VISIBLE EMISSIONS FORM
TEMPORARY COVERED SOURCE PERMIT NO. 0406-01-CT**

Issuance Date: _____

Expiration Date: _____

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

Company Name: _____

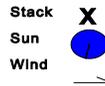
For stacks, describe equipment and fuel: _____

For fugitive emissions from crushers and screens, describe:

Fugitive emission point: _____

Plant Production (tons/hr): _____

(During observation)



Draw North Arrow

Site Conditions:

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

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

Emission color (black or white): _____

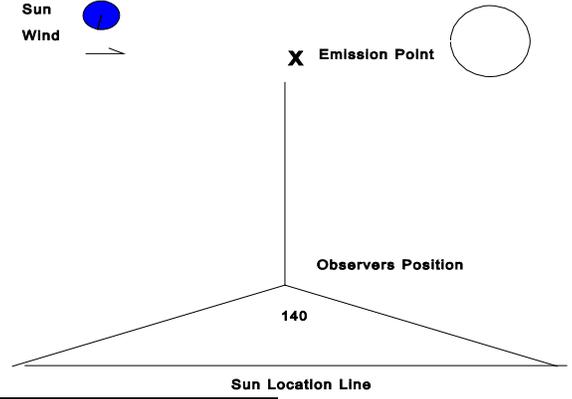
Sky conditions (% cloud cover): _____

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): _____

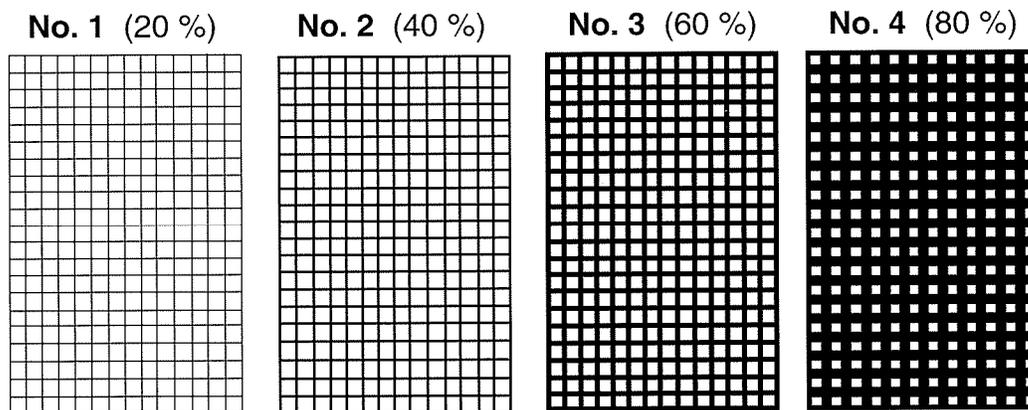
MINUTES	Seconds				COMMENTS
	0	15	30	45	
1					
2					
3					
4					
5					
6					
Six (6) Minute Average Opacity Reading (%):					

PROPOSED

The Ringelmann Chart

In the late 1800's in Paris, France, Professor Maximilian Ringelmann developed the **Ringelmann Chart** to measure the combustion efficiency of coal-fired boilers. The shade of the smoke plume shows how well a boiler is operating - the poorer its combustion efficiency, the more unburned carbon particles in the smoke and the darker the plume.

Professor Ringelmann's chart established four measured shades of gray between white, valued at zero, and black, at five. These specific shades of gray, Ringelmann No. 1 to Ringelmann No. 4, can be accurately reproduced by placing a grid of black lines of a given width and spacing on a white background. Viewed from a distance, the grid lines and background merge into the shades of gray, to be compared to the shade of the smoke plume.



Ringelmann Chart (not to scale)

Regulating Visible Emissions

The Ringelmann Chart became one of the first tools used to measure visible emissions. Introduced into the United States in 1897, it was soon accepted as the standard measure of smoke density and was used by engineers for power plant testing and smokeless combustion studies. In 1910, the Chart was officially adopted as part of the Smoke Ordinance for Boston, Mass.

Many city, state, and federal regulations now set smoke density limits based on the Ringelmann Smoke Chart. Although not originally designed as a regulatory tool to control air pollution, it gives good practical results when used by well-trained observers.