

PROPOSED

date

CERTIFIED MAIL
RETURN RECEIPT REQUESTED
(XXXX XXXX XXXX XXXX XXXX)

08-XXE CAB
File No. 0677-01

Mr. Christopher Steele
Environmental Compliance Manager
Grace Pacific Corporation
P. O. Box 78
Honolulu, Hawaii 96810

Dear Mr. Steele:

Subject: Covered Source Permit (CSP) No. 0677-01-C
Initial Covered Source Permit Application No. 0667-01
Grace Pacific Corporation
300 TPH Hot Mix Asphalt Drum Plant
Located at: Various Temporary Sites, State of Hawaii
Current Location: Waikoloa, Kona, Island of Hawaii
Date of Expiration:

The subject covered source permit is issued in accordance with Hawaii Administrative Rules (HAR), Title 11, Chapter 60.1. The issuance of this permit is based on the plans, specifications, and information that you submitted as part your application received on February 19, 2008.

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

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

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

Compliance Certification Form
Annual Emissions Report From: Hot Mix Asphalt Production
Annual Emissions Report From: Hot Oil Heater
Annual Emissions Report From: Diesel Engine
Monitoring Report From: Hot Mix Asphalt Plant

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Monitoring Report Form: Diesel Engine Generator
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Monitoring Report Form: Hot Oil Heater
Monitoring Report Form: Fuel Sulfur Content
Monitoring Report From: Baghouse
Monitoring Report From: Opacity Exceedances

The following are for use in monitoring and maintaining records on visible emissions:

Visible Emissions Form Requirements
Visible Emissions Form
The Ringelmann Chart

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

PR:nn
Enclosures

c: Wendell Sano, EHS - Hawaii
CAB Monitoring Section

**ATTACHMENT I: STANDARD CONDITIONS
COVERED SOURCE PERMIT NO. 0677-01-C**

Issuance Date:

Expiration Date:

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

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

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

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

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

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

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

(Auth.: HAR §11-60.1-2, §11-60.1-4, §11-60.1-82, §11-60.1-84, §11-60.1-90)
7. This permit (a) does not release the permittee from compliance with other applicable statutes of the State of Hawaii, or with applicable local laws, regulations, or ordinances, and (b) shall not constitute, nor be construed to be an approval of the design of the covered

source.

(Auth.: HAR §11-60.1-5, §11-60.1-82)

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

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

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

(Auth.: HAR §11-60.1-90)

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

(Auth.: HAR §11-60.1-90)

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

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

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

(Auth.: HAR §11-60.1-90)

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

(Auth.: HAR §11-60.1-90)

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

- a. The **anticipated date of initial start-up** for each emission unit of a new source or significant modification not more than sixty (60) days or less than thirty (30) days prior to such date;

- b. The **actual date of construction commencement** within fifteen (15) days after such date; and
- c. The **actual date of start-up** within fifteen (15) days after such date.

(Auth.: HAR §11-60.1-90)

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

(Auth.: HAR §11-60.1-14, §11-60.1-90)

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

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

17. **Except for emergencies which result in noncompliance with any technology-based emission limitation in accordance with HAR, Section 11-60.1-16.5, in the event any emission unit, air pollution control equipment, or related equipment malfunctions or breaks down in such a manner as to cause the emission of air pollutants in violation of HAR, Chapter 11-60.1 or this permit**, the permittee shall immediately notify the Department of Health of the malfunction or breakdown, unless the protection of personnel or public health or safety demands immediate attention to the malfunction or breakdown and makes such notification infeasible. In the latter case, the notice shall be provided as soon as practicable. Within five (5) working days of this initial notification, the permittee shall also submit, in writing, the following information:

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

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

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

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

(Auth.: HAR §11-60.1-14, §11-60.1-90)

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

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

(Auth.: HAR §11-60.1-9, §11-60.1-90)

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

(Auth.: HAR §11-60.1-9, §11-60.1-90)

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

(Auth.: HAR §11-60.1-90)

22. All certifications shall be in accordance with HAR, section 11-60.1-4.
(Auth.: HAR §11-60.1-4, HAR §11-60.1-90)
23. The permittee shall allow the Director of Health, the Regional Administrator for the U.S. EPA and/or an authorized representative, upon presentation of credentials or other documents required by law:
- 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
 - 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

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applicable requirement.

(Auth.: HAR §11-60.1-90)

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

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

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

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

(Auth.: HAR §11-60.1-4, §11-60.1-90)

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

(Auth.: HAR §11-60.1-5, §11-60.1-90)

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: SPECIAL CONDITIONS
COVERED SOURCE PERMIT NO. 0677-01-C**

Issuance Date:

Expiration Date:

In addition to the standard conditions of the covered source permit the following special conditions shall apply to the permitted facility:

Section A. Equipment Description

1. The 300 TPH Portable Asphalt Plant encompasses the following equipment and associated appurtenances:
 - a. One (1) 300 TPH Double-Barrel Drum Mixer, Astec model no. RDB-9640, serial no. 071852201 with 100 mmBtu/hr Oil Burner, Astec model no. WJ-100U-OH, serial no. 071852206;
 - b. One (1) 1065 BHP Cummins Diesel Engine Generator, model no. QST30-G5;
 - d. One (1) Hot Oil Heater, Astec model no. HC-120, serial no. H08-068-101;
 - e. One (1) Pulse Jet Baghouse, Astec model no. BH-76SP, serial no. 071853001, servicing the drum mixer;
 - f. One (1) 5' x 12' Dual Deck Scalping Screen, Astec model no. SS-512-2, serial no. 071851402;
 - h. Two (2) 150-Ton HMA storage silos, Astec model no. NG-2, serial no. 061174207;
 - i. Cold Feed System, Astec model no. RCFS-1014-5, serial no. 071851001;
 - j. Two (2) 30,000-gallon vertical heated liquid asphalt storage tanks; and
 - k. Various conveyor systems.

(Auth.: HAR §11-60.1-3)

2. With the exception of the silos and conveyor belts, an identification tag or name plate shall be displayed on the equipment to show manufacturer, model no., and serial no. The identification tag or name plate shall be permanently attached to the equipment in a conspicuous location.

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

Section B. Applicable Federal Regulations

1. The 300 TPH Portable Asphalt Plant is subject to the provisions of the following federal regulations:
 - a. 40 CFR Part 60, Standards of Performance for New Stationary Sources, Subpart A, General Provisions; and
 - b. 40 CFR Part 60, Standards of Performance for New Stationary Sources, Subpart I, Standards of Performance for Hot Mix Asphalt Facilities.

- (Auth.: HAR §11-60.1-3, §11-60.1-90, §11-60.1-161; 40 CFR 60.1, 40 CFR 60.90)¹
2. The permittee shall comply with all applicable provisions of these standards, including all emission limits, and all notification, testing, monitoring, and reporting requirements. The major requirements of these standards are detailed in the special conditions of this permit.

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

Section C. Emission Limits

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

(Auth.: HAR §11-60.1-3, §11-60.1-5, §11-60.1-90, 40 CFR 60.92)¹

2. For any six (6) minute averaging period, the diesel engine generators, hot oil heater, and baghouses servicing the drum-mixer shall not exhibit visible emissions of twenty (20) percent or greater, except as follows: during startup, shutdown, or equipment breakdown, the aforementioned equipment may exhibit visible emissions greater than twenty (20) but not exceeding sixty (60) percent opacity for a period aggregating not more than six (6) minutes in any sixty (60) minute period.

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

Section D. Operational Limits

1. Production Limit
- a. The total production of the 300 TPH HMA Plant shall not exceed 315,360 tons in any rolling twelve-month (12-month) period.
- b. The hot mix asphalt production rate shall not exceed 300 tons per hour.

(Auth.: HAR §11-60.1-3, §11-60.1-90)

2. Fuel Limits
- a. Equipment of the facility shall be fired only on one or a combination of the following fuels with a maximum sulfur content for each fuel not to exceed 0.05% by weight:
- i. Low sulfur fuel oil No. 2;
 - ii. Biodiesel meeting American Society for Testing and Materials (ASTM) D6751;
 - iii. Ecodiesel supplied by Unitek Services, Inc;

- iv. Aviation fuel (e.g., Jet A, Jet A-1, JP-4, JP-5, JP-8, etc.); and
 - v. Grease trap oil/cooking oil.
- b. The total fuel consumption of the diesel engine generator shall not exceed 106,329 gallons in any rolling twelve-month (12-month) period.
 - c. The total fuel consumption of the hot oil heater shall not exceed 71,031 gallons in any rolling twelve-month (12-month) period.

(Auth.: HAR §11-60.1-3, §11-60.1-90)

3. Baghouse

- a. The baghouse servicing the drum-mixer shall be used at all times when operating the drum mixer dryer. The permittee shall not operate the drum mixer if a problem affecting the baghouse control efficiency is observed at any time. The permittee shall investigate and correct the problem before resuming operation.
- b. The baghouse pressure differential shall be maintained with the range specified in pursuant to Attachment II, Special Condition No. E.4.
- c. The baghouse shall be maintained in good operating condition at all times with scheduled inspections and maintenance as recommended by the manufacturer and as needed. The permittee shall ensure:
 - i. The fiber 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. Miscellaneous items or equipment essential for effective baghouse operation are maintained in proper working order.

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

4. Plant Maintenance

The 300 TPH Portable Asphalt Plant, including the drum mixer, diesel engine generator, baghouse, hot oil heater, screening, and water spray systems shall be maintained in good operating condition with scheduled inspection and maintenance as recommended by the manufacturer, or as needed.

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

5. Fugitive Dust Controls

- a. The permittee shall take measures to control fugitive dust (e.g., wet suppression, enclosures, etc.) at the material transfer points, screens, stockpiles, plant roads, and throughout the facility. The Department of Health may at any time require the permittee to further abate fugitive dust emissions if an inspection indicates poor or insufficient control.
- b. A water truck shall be used for the plant area and storage piles as needed to control fugitive dust.
- c. A water spray system shall be operated and maintained for conveyor transfer of aggregate and for operation of the scalping screen as necessary to control fugitive dust.
- d. The permittee shall not cause or permit fugitive dust to become airborne without taking reasonable precautions and shall not cause or permit the discharge visible emissions of fugitive dust beyond the lot line of the property boundary on which the emissions originate.

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

6. Alternate Operating Scenario

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

- a. The permittee may replace the diesel engine generator with a temporary replacement unit if any repair reasonably warrants the removal of the diesel engine generator from its site (i.e., equipment failure, engine overhaul, or any major equipment problems requiring maintenance for efficient operation) and the following provisions are adhered to:
 - i. Written notification identifying the reasons for the replacement of the diesel engine generator from the site of operation is submitted to the Department of Health prior to the exchange;
 - ii. The temporary replacement unit shall have equal or less emissions;
 - iii. The temporary replacement unit complies with all applicable conditions including all air pollution control equipment requirements, operating restrictions, and emission limits;
 - iv. The diesel engine generator shall be repaired and returned to service at the same

location in a timely manner;

- v. Prior to the removal and return of the diesel engine generator, the permittee shall submit to the Department of Health written documentation on the removal and

return dates and on the make, size, model and serial numbers for both the temporary replacement unit and the installed unit; and

- vi. The permittee shall also submit any additional information as requested by the Department of Health, which may include an ambient air quality impact assessment verifying that Federal/State Ambient Air Quality Standards are met.
- b. The permittee shall contemporaneously with making a change from one operating scenario to another, record in a log at the permitted facility, the scenario under which it is operating and, if required by any applicable requirement or the Department of Health, submit written notification to the Department of Health; and
- c. The terms and conditions under each operating scenario shall meet all applicable requirements, including special conditions of this permit.

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

7. Additional Requirements

- a. The Department of Health reserves the right to require the permittee to determine the cause of any odor nuisance from the facility and require additional operational controls, performance testing, emission limits, or restrictions to mitigate odor nuisances.
- b. The Department of Health may establish permit limits for the baghouse pressure differential after review of monitoring records.

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

Section E. Monitoring and Recordkeeping Requirements

1. Records

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

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

2. HMA Production

The permittee shall maintain records on the tons of HMA produced each month and each

rolling 12-month period to demonstrate compliance with Special Condition D.1 of this attachment and to determine and report on annual emissions.

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

3. Fuel Certification and Consumption

- a. A non-resetting fuel flow meter shall be installed, operated, and maintained for fuel lines servicing the diesel engine generator and the hot oil heater to determine compliance with the fuel limits specified in Attachment II, Special Condition Nos. D.2.b and D.2.c. At a minimum, the date of operation, start and end times, and total fuel consumption shall be recorded on a monthly and twelve-month (12-month) rolling basis.
- b. Records shall be maintained on the quantity and sulfur content of each fuel fired by plant equipment for the purpose of annual emissions reporting and monitoring requirements. The permittee shall maintain fuel purchase receipts showing the delivery date, supplier, type of fuel, and amount of fuel delivered. Fuel purchase receipts or specification sheets indicating the fuel sulfur content (percent by weight) shall also be maintained for each fuel used at the facility.

(Auth.: HAR §11-60.1-3, §11-60.1-90)

4. Baghouse

- a. A pressure gauge shall be installed, operated, and maintained to monitor the baghouse pressure differential (inches of water) across the fiber bags. The pressure differential range shall be within the range determined by most recent performance test at which compliance with Attachment II, Special Condition NO. C.1 was achieved. Maintenance or servicing shall be performed on the baghouse if the differential pressure reading indicates the baghouse is not operating effectively.
- b. The permittee shall maintain daily records of the pressure differential across the baghouse filter bags. Monitoring of the pressure differential across the baghouse filter bags shall not replace the regular and routine maintenance and inspection of the baghouse as specified by the manufacturer.

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

5. Visible Emissions (V.E.)

- a. Except in those months when V.E. observations are conducted by a certified reader for the annual observation of the diesel engine generator and hot oil heater, the permittee shall conduct monthly (calendar month), V.E. observations of the units in accordance with Method 9 or by use of a Ringelmann Chart as provided. For each month, two (2)

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consecutive six (6) minute observations shall be taken at fifteen (15) second intervals.

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

- b. Except in those months when performance tests are conducted for the drum mixer dryer pursuant to Attachment II, Special Conditions, Section F, the permittee shall conduct monthly (calendar month), V.E. observations for the drum mixer dryer in accordance with Method 9 or by use of a Ringelmann Chart as provided. For each month, 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 Emission Observation Form requirements.
- c. Upon written request and justification by the permittee, the Department of Health may waive the requirement for the annual visible emissions observation of the equipment. The waiver request shall be submitted prior to the required annual visible emissions observation and must include documentation justifying such action. Documentation should include, but is not limited to, the results of the prior visible emissions observation indicating compliance by a wide margin, documentation of continuing compliance, and further that operations of the source have not changed since the previous annual visible emissions observation.

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

6. Inspection, Maintenance, and Repair Log

An inspection, maintenance, and repair log shall be maintained for the equipment covered under this permit. Inspection, replacement of parts, and repairs to the 300 TPH Portable Asphalt Plant which includes the drum mixer, baghouses, diesel engine generator, hot oil heater, screen and water spray system shall be documented. At a minimum, the following records shall be maintained:

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

(Auth.: HAR §11-60.1-3, §11-60.1-90)

7. Performance Testing

- a. Annual source performance tests shall be conducted on the drum mixer dryer and baghouse pursuant to this Attachment, Section F.
- b. The permittee shall maintain records on source performance test plans, summaries, and test results for the 300 TPH Portable Asphalt Plant.

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

Section F. Notification and Reporting Requirements

1. Standard Conditions Reporting

Notification and reporting requirements pertaining to the following events shall be done in accordance with Attachment I, Standard Conditions 16, 17, and 24, respectively:

- a. Intent to shut down air pollution control equipment for necessary scheduled maintenance;
- b. Emissions of air pollutants in violation of HAR, Chapter 11-60.1 or this permit (excluding technology-based emission exceedances due to emergencies); and
- c. Permanent discontinuance of construction, modification, relocation, or operation of the facility covered by this permit.

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

2. Reporting 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 implementation of a corrective action plan.

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

3. Compliance Certification

- a. During the permit term, the permittee shall submit at least **annually** to the Department of Health and U.S. EPA Region 9, the attached *Compliance Certification Form* pursuant to HAR, Subsection 11-60.1-86. The permittee shall indicate whether or not compliance is being met with each term or condition of this permit. The compliance certification shall include, at a minimum, the following information:
 - i. Identification of each term or condition of the permit that is the basis of the certification;
 - ii. Compliance status;
 - iii. Whether compliance was continuous or intermittent;
 - iv. Methods used for determining the compliance status of the source currently and over the reporting period;
 - v. Any additional information indicating the source's compliance status with any

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

- b. The compliance certification shall be submitted **within ninety (90) days after** the end of each calendar year, and shall be signed and dated by a responsible official.
- c. Upon written request of the permittee, the deadline for submitting the compliance certification may be extended, if the Department of Health determines that reasonable justification exists for the extension.

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

4. Performance Testing

- a. At least **thirty (30) days prior** to conducting a source performance test for the 300 TPH HMA plant, the permittee shall submit to the Department of Health a written test plan in accordance with Special Condition F.6 of this attachment.

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

- b. Written reports of the results of all source performance test 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 accordance with Special Condition F.9 of this attachment.

(Auth.: HAR §11-60.1-3, §11-60.1-90, §11-60.1-161; 40 CFR 60.676)¹

5. Monitoring Reports

- a. The permittee shall submit **semi-annually** the following reports to the Department of Health:

- i. Monitoring Report From: Hot Mix Asphalt Plant;
- ii. Monitoring Report Form: Diesel Engine Generator;
- iii. Monitoring Report Form: Hot Oil Heater;
- iv. Monitoring Report Form: Fuel Sulfur Content;
- v. Monitoring Report From: Baghouse; and
- vi. Monitoring Report From: Opacity Exceedances.

- b. The reports shall be submitted **within sixty (60) days after the end of each semi-annual calendar period (January 1 - June 30 and July 1 - December 31)** and shall include the following:

- i. Total HMA production (in tons) on a monthly and rolling 12-month basis;
- ii. Type of fuel combusted by the drum mixer, diesel engine generator, and hot oil heater. Indicate the supplier and the maximum sulfur content (percent by weight) for each fuel;
- iii. Total fuel consumed by the diesel engine generator on a monthly and rolling 12-month basis;
- iv. Total fuel consumed by the hot oil heater on a monthly and rolling 12-month basis;
- v. Pressure differential exceedances across the baghouse filter bags;
- vi. Opacity exceedances determined during visible emissions monitoring of the drum mixer, diesel engine generator, and hot oil heater. For each opacity exceedance, describe the equipment, report the equipment serial no., date, six (6) minute average opacity reading, possible reason for exceedance, duration of exceedance, and corrective actions taken. If there were no exceedances for the drum mixer, diesel engine generator, and hot oil heater, the permittee shall state so.

(Auth.: HAR §11-60.1-3, §11-60.1-90)

6. Annual Emissions Reports

- a. As required by Attachment IV and in conjunction with the requirements of Attachment III, Annual Fee Requirements, the permittee shall report **annually** the total tons/year emitted of each regulated air pollutant, including hazardous air pollutants. The reporting of annual emissions is due **within sixty (60) days following the end of each calendar year**. The following forms shall be used:
 - i. Annual Emissions Report From: Hot Mix Asphalt Production;
 - ii. Annual Emissions Report From: Hot Oil Heater; and
 - iii. Annual Emissions Report From: Diesel Engine.
- b. Upon the written request of the permittee, the deadline for annual emissions reporting 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)

Section G. Testing Requirements

1. On an annual basis or at other times as may be specified by the Department of Health, a performance test for the emissions of particulate matter and opacity determination 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, or alternate methods with prior written approval from the

Department of Health shall be used:

- a. Performance test for the particulate matter emissions from the baghouse servicing the drum mixer shall be conducted using 40 CFR Part 60 Methods 1-5. For Method 5, the sampling time for each run shall be at least sixty (60) minutes and the minimum sample volume shall be at least 0.90 dscm (31.8 dscf).
- b. Performance tests to determine opacity of emissions from the baghouse servicing the drum mixer 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, 40 CFR 60.93, SIP §11-60-15)^{1,2}

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 method by which the asphalt production rate was determined.
 - b. The pressure drop across the baghouse (in inches of water) shall be recorded and reported for each run. There shall be one reading per run unless the value changes, then the readings shall be continuous.

(Auth.: HAR §11-60.1-3, §11-60.1-11, §11-60.1-90, §11-60.1-161, 40 CFR App. A, 40 CFR 60.93, SIP §11-60-15)^{1,2}

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

4. Particulate emissions shall be reported in two categories:
 - a. Front half (filter and probe); and
 - b. Front and back half (probe, filter, and impingers). When conducting back half

clean-up, all connectors and tubing of the back half sampling train up to and including the first impinger shall be properly rinsed with acetone. Connecting glassware after the first impinger and the other impingers shall be rinsed with water. All rinses shall be included in the analysis for back half.

(Auth.: HAR §11-60.1-5, §11-60.1-11, §11-60.1-90, §11-60.1-161, 40 CFR 60 App. A)¹

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

(Auth.: HAR §11-60.1-5, §11-60.1-11, §11-60.1-90 §11-60.1-161, 40 CFR 60 App. A)¹

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

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

7. The permittee shall provide sampling and testing facilities at the permittee's own expense. The tests shall be conducted at the maximum expected operating capacity of the 300 TPH HMA plant. The Department of Health may monitor the tests.

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

8. 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)

9. **Within sixty (60) days after** the completion of the performance test, the permittee shall submit to the Department of Health the test report which shall include the operating conditions of the equipment at the time of the test (e.g., operating rate in tons/hour, pressure drop readings, etc.), the summarized tests results, comparative results with the permit emission limits, and other pertinent support calculations, and field and laboratory data.

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

10. 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 test 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 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 No. 28.

(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. 0677-01-C**

Issuance Date:

Expiration Date:

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

Section A. Equipment Description

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

(Auth.: HAR §11-60.1-3)

Section B. Operational Limitations

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

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

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

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

Section C. Monitoring and Recordkeeping Requirements

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

(Auth.: HAR §11-60.1-3, §11-60.1-90)

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

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

Section D. Notification and Reporting

Compliance Certification

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

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

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

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

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

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

Section E. Agency Notification

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

(Auth.: HAR §11-60.1-4, §11-60.1-90)

**ATTACHMENT III: ANNUAL FEE REQUIREMENTS
COVERED SOURCE PERMIT NO. 0677-01-C**

Issuance Date:

Expiration Date:

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

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

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

PROPOSED

ATTACHMENT IV: ANNUAL EMISSIONS REPORTING REQUIREMENTS COVERED SOURCE PERMIT NO. 0677-01-C

Issuance Date:

Expiration Date:

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

1. Complete the attached form(s):

Monitoring/Annual Emissions Report Form: 300 TPH HMA Plant Production
Monitoring/Annual Emissions Report Form: Fuel Certification & Consumption

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

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

3. The permittee shall retain the information submitted, including all emission calculations. These records shall be in a permanent form suitable for inspection, retained for a minimum of five (5) years, and made available to the Department of Health upon request.
4. Any information submitted to the Department of Health without a request for confidentiality shall be considered public record.
5. In accordance with HAR, Section 11-60.1-14, the permittee may request confidential treatment of specific information, including information concerning secret processes or methods of 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
COVERED SOURCE PERMIT NO. 0677-01-C
PAGE 1 OF _____**

Issuance Date: _____

Expiration Date: _____

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

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

For Period: _____ Date: _____

Company/Facility Name: _____

Responsible Official (Print): _____

Title: _____

Responsible Official (Signature): _____

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

PROPOSED

**COMPLIANCE CERTIFICATION FORM
COVERED SOURCE PERMIT NO. 0677-01-C
(CONTINUED, PAGE 2 OF ____)**

Issuance Date:

Expiration Date:

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

Instructions:

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

A. Attachment I, Standard Conditions

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

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

PROPOSED

**COMPLIANCE CERTIFICATION FORM
COVERED SOURCE PERMIT NO. 0677-01-C
(CONTINUED, PAGE _____ OF _____)**

Issuance Date:

Expiration Date:

C. Special Conditions - Operational and Emissions Limitations

Each permit term/condition shall be identified in chronological order using attachment and section numbers (e.g., Attachment II, B.1, Attachment IIA, Special Condition No. B.1.f, etc.). Each 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) to show compliance for 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)

**COMPLIANCE CERTIFICATION FORM
COVERED SOURCE PERMIT NO. 0677-01-C
(CONTINUED, PAGE ____ OF ____)**

Issuance Date:

Expiration Date:

D. Deviations

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

(Make Additional Copies if Needed)

PROPOSED

**ANNUAL EMISSIONS REPORT FORM
HOT MIX ASPHALT PRODUCTION
COVERED SOURCE PERMIT NO. 0677-01-C
(PAGE 1 OF 2)**

Issuance Date: _____

Expiration Date: _____

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

(Make Copies for Additional Use)

For Reporting Period: _____ Date: _____

Facility: Grace Pacific Corporation

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

Responsible Official (Print): _____

Title: _____

Responsible Official (Signature): _____

1. Report the ton/yr hot mix asphalt production as follows:

Plant	TPY of Hot Mix Asphalt Production
300 TPH hot mix asphalt plant	

2. Report the ton/yr aggregate processed for hot mix asphalt production as follows:

Plant	TPY of Aggregate Processed
300 TPH hot mix asphalt plant	

3. Report the air pollution control measures used for processing aggregate as follows:

Type of Operation	Air Pollution Control Measures in Use	Control Efficiency (% Reduction)
truck unloading		
front-end loader		
conveyors		
scalping screen		
stockpiles		

**ANNUAL EMISSIONS REPORT FORM
HOT MIX ASPHALT PRODUCTION
COVERED SOURCE PERMIT NO. 0677-01-C
(CONTINUED, PAGE 2 OF 2)**

Issuance Date:

Expiration Date:

4. Report the drum mixer dryer fuel consumption as follows:

Fuel Type	Maximum Sulfur Content (% by Weight)	Annual Fuel Usage (gallons)
		Drum Mixer Dryer with 100 MMBtu/hr Burner
Fuel Oil No. 2		
Aviation Fuel		
Biodiesel		
Unitek Ecodiesel		
Cooking or Grease Trap Oil		

PROPOSED

**ANNUAL EMISSIONS REPORT FORM
DIESEL ENGINE GENERATOR
COVERED SOURCE PERMIT NO. 0677-01-C**

Issuance Date: _____

Expiration Date: _____

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

(Make Copies for Additional Use)

For Reporting Period: _____ Date: _____

Facility: Grace Pacific Corporation

Equipment Location: _____

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

Responsible Official (Print): _____

Title: _____

Responsible Official (Signature): _____

1. Report the diesel engine generator fuel consumption.

Fuel Type	Maximum Sulfur Content (% by Weight)	Annual Fuel Usage (gallons)
		Engine Manufacturer and Capacity Cummins/1,065 hp
Fuel Oil No. 2		
Aviation Fuel		
Biodiesel		
Unitek Ecodiesel		
Cooking or Grease Trap Oil		

PROPOSED

**ANNUAL EMISSIONS REPORT FORM
HOT OIL HEATER
COVEREDS SOURCE PERMIT NO. 0677-01-C**

Issuance Date: _____

Expiration Date: _____

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

(Make Copies for Additional Use)

For Reporting Period: _____ Date: _____

Facility: Grace Pacific Corporation

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

Responsible Official (Print): _____

Title: _____

Responsible Official (Signature): _____

1. Report the hot oil heater fuel consumption.

Fuel Type	Maximum Sulfur Content (% by Weight)	Annual Fuel Usage (gallons)
		Hot Oil Heater
Fuel Oil No. 2		
Aviation Fuel		
Biodiesel		
Unitek Ecodiesel		
Cooking or Grease Trap Oil		

PROPOSED

**MONITORING REPORT FORM
HOT MIX ASPHALT PLANT
COVERED SOURCE PERMIT NO. 0677-01-C**

Issuance Date:

Expiration Date:

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

(Make Copies for Additional Use)

For Reporting Period: _____ Date: _____

Facility: Grace Pacific Corporation

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

Responsible Official (Print): _____

Title: _____

Responsible Official (Signature): _____

1. Report the hot mix asphalt production and maximum daily plant operating hours as follows:

Month	Monthly Hot Mix Asphalt Production (tons)	Monthly Hot Mix Asphalt Production 12-Month Rolling Basis (tons)
January		
February		
March		
April		
May		
June		
July		
August		
September		
October		
November		
December		

2. Report all incidences when the hot mix asphalt production rate exceeded 300 tons per hour.

Incident Duration	Incident Date

PROPOSED

**MONITORING REPORT FORM
DIESEL ENGINE GENERATOR
COVERED SOURCE PERMIT NO. 0677-01-C**

Issuance Date:

Expiration Date:

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

(Make Copies for Additional Use)

For Reporting Period: _____ Date: _____

Facility: Grace Pacific Corporation

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

Responsible Official (Print): _____

Title: _____

Responsible Official (Signature): _____

1. Report the total combined diesel engine generator fuel consumption as follows:

Month	Total Combined Fuel Consumption (gallons)	Total Combined Fuel Consumption 12-Month Rolling Basis (gallons)
January		
February		
March		
April		
May		
June		
July		
August		
September		
October		
November		
December		

PROPOSED

**MONITORING REPORT FORM
HOT OIL HEATER
COVERED SOURCE PERMIT NO. 0677-01-C**

Issuance Date: _____

Expiration Date: _____

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

(Make Copies for Additional Use)

For Reporting Period: _____ Date: _____

Facility: Grace Pacific Corporation

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

Responsible Official (Print): _____

Title: _____

Responsible Official (Signature): _____

1. Report the total combined hot oil heater fuel consumption as follows:

Month	Total Combined Fuel Consumption (gallons)	Total Combined Fuel Consumption 12-Month Rolling Basis (gallons)
January		
February		
March		
April		
May		
June		
July		
August		
September		
October		
November		
December		

PROPOSED

**VISIBLE EMISSIONS FORM REQUIREMENTS
STATE OF HAWAII
COVERED SOURCE PERMIT NO. 0677-01-C**

Issuance Date:

Expiration Date:

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

1. Visible emissions observations shall take place during the day only and shall be compared to the Ringelmann Chart provided. The opacity shall be noted in five (5) percent increments (e.g., 25%).
2. Orient the sun within a 140 degree sector to your back. Provide a source layout sketch on the V.E. Form using the symbols as shown.
3. For V.E. observations of stacks, stand at least three (3) stack heights but not more than a quarter mile from the stack.
4. Two (2) consecutive six (6) minute observations shall be taken at fifteen (15) second intervals for each stack or emission point.
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 the 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 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.

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**VISIBLE EMISSIONS FORM
COVERED SOURCE PERMIT NO. 0677-01-C**

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

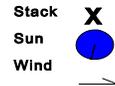
(Make Copies for Additional Use for Each Stack)

Company Name: Grace Pacific Corporation

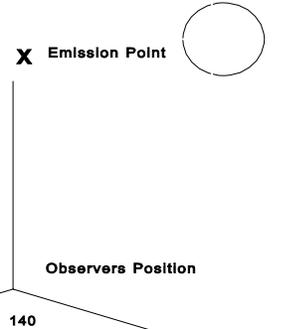
Describe equipment and fuel: _____
(during observation)

Site Conditions:

Emission point or stack height above ground (ft): _____
 Emission point or stack distance from observer (ft): _____
 Emission color (black or white): _____
 Sky conditions (% cloud cover): _____
 Wind speed (mph): _____
 Temperature (°F): _____
 Observer Name: _____
 Certified? (Yes/No): _____



Draw North Arrow



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 (%):					