

**PROPOSED**

[Issuance Date]

**CERTIFIED MAIL**  
**RETURN RECEIPT REQUESTED**

03-  
File No. 0040-08

Mr. Robert Creps  
Senior Vice President  
Grace Pacific Corporation  
P. O. Box 78  
Honolulu, Hawaii 96810

Dear Mr. Creps:

**Subject:       Amendment to Temporary Covered Source Permit (CSP) No. 0040-01-CT  
Application for a Significant Modification, File No. 0040-08  
Grace Pacific Corporation  
186 TPH Drum-Mix Asphalt Concrete Plant with Recycle Kit,  
1.25 MMBtu/Hr HEATEC Hot Oil Heater, and  
725 kW Diesel Engine Generator  
Located at: Camp 10, Ameron Quarry, Puunene, Maui  
Date of Expiration: March 18, 2007**

The subject Temporary Covered Source Permit is amended in accordance with Hawaii Administrative Rules (HAR), Title 11, Chapter 11-60.1. The issuance of this permit amendment is based on the plans and specifications that you submitted as part of your significant modification application dated June 3, 2003 and the additional information dated September 8, 2003. This permit amendment removes the operational limit on the hot oil heater and requires the heater stack to be raised to a minimum of 8.5 meters above ground elevation.

*Attachment II, Special Conditions*, as amended on this date, shall replace and supersede the same entitled document, as amended on December 6, 2002. The *Monitoring Report Form - Operating Hours and Reclaimed Asphalt Paving*, as amended on this date, shall replace and supersede the same entitled document, issued on March 19, 2002.

All other requirements and forms of Temporary Covered Source Permit No. 0040-01-CT are not affected and shall remain valid.

If you have any questions, please contact Ms. April Matsumura of the Clean Air Branch at (808) 586-4200.

Sincerely,

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

AM:lk

Enclosures

c:       Blake Shiigi, EHS - Maui  
          CAB Enforcement Section

**ATTACHMENT II: SPECIAL CONDITIONS  
TEMPORARY COVERED SOURCE PERMIT NO. 0040-01-CT**

**[Amended Date]**

**Expiration Date: March 18, 2007**

In addition to the standard conditions of the Temporary 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 186 TPH portable drum mix asphalt concrete plant:
  - a. 186 TPH parallel flow drum mixer/dryer, Astec Industries model no. PDM-630-C, serial no. 87-135;
  - b. Baghouse with 18-oz. Nomex bags, Astec Industries model no. PBH-30, serial no. 87-135;
  - c. 1.25 MMBtu/hr Hot Oil Heater, HEATEC model no. HCS-100, serial no. 097-110;
  - d. 725 kW Cummins/Onan Diesel Engine Generator, model no. KTA38-G2, serial no. E950577135;
  - e. Recycle kit, including Aesco Madsen Black Gold RAP crusher model no. RC50, serial no. J-2089; Astec Industries Collar, serial no. 98-156-920; conveyors; hopper with grizzly feeder; and 20 ton bin;
  - f. Four (4) Compartment Cold Feed System, 15 ton capacity, Astec Industries, model no. PFC-1012-4SS, serial no. 87-135;
  - g. Screen, Specmaker, serial no. 343M224;
  - h. Batcher- Glob Hopper, Astec Industries, model no. SEB-216, serial no. 87-135;
  - i. Coater (5' L x 2' W x 3' H), Astec Industries, serial no. 83-134;
  - j. Hot elevator;
  - k. Two (2) storage silos, 200 ton capacity; and
  - l. Various conveyors.

(Auth.: HAR §11-60.1-3)

2. An identification tag or name plate shall be displayed on the drum mixer/dryer, baghouse, hot oil heater, and 725 kW diesel engine generator, 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 portable drum mix asphalt concrete 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, §60.90)<sup>1</sup>

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 the 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, §60.90)<sup>1</sup>

### **Section C. Operational Limitations**

#### 1. Drum Mixer/Dryer

- a. The hot mix asphalt production rate for the portable drum mix asphalt concrete plant shall not exceed 186 tons per hour.

(Auth.: HAR §11-60.1-3, §11-60.1-90)

- b. Power for the portable drum mix asphalt concrete plant shall be provided only by the 725 kW diesel engine generator.

(Auth.: HAR §11-60.1-3, §11-60.1-90)

- c. The total amount of reclaimed asphalt paving (RAP) used shall not exceed 100,000 tons in any rolling twelve (12) month period.

(Auth.: HAR §11-60.1-3, §11-60.1-90)

- d. The drum mixer/dryer shall be fired on diesel fuel no. 2 with a maximum sulfur content not to exceed 0.5% by weight, specification used oil meeting requirements of Special Condition No. C.1.e, or any combination thereof.

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

#### e. Specification Used Oil Requirements

- i. The permit conditions prescribed herein may be revised at any time by the Department of Health to reflect state or federal promulgated rules on used oil.

- ii. This permit shall not release the permittee from compliance with all applicable state and federal rules and regulations on the handling, transporting, storing, and burning of used oil.
- iii. Specification used oil shall be obtained only from sources within Grace Pacific Corporation or from Unitek. An analysis report shall accompany the delivery of each batch of specification used oil obtained from Unitek. Specification used oil may be obtained from other sources, provided written notification identifying the new source is submitted to the Department of Health, and approved, prior to the acceptance of the specification used oil.
- iv. Samples of the used oil generated from Grace Pacific Corporation shall be taken from the holding tanks or drums, and composited and analyzed for compliance with the limits in Special Condition No. C.1.vii, prior to being emptied into the 3,870 gallon reclaim tank and burned. These samples shall be taken in such a manner that the composite sample is representative of all of the used oil generated by the facility for that period of time. The composite sample shall represent no more than 3,870 gallons of used oil or all of the oil collected in any three (3) month period, whichever is less.
- v. Each composite sample shall be submitted in a timely manner to a qualified laboratory and an analysis report shall be obtained for the constituents/properties for which limits are given in Special Condition No. C.1.e.vii.
- vi. This permit does not authorize the permittee to burn hazardous waste. The permittee shall not burn the used oil if declared or determined to be a hazardous waste.
- vii. The following constituents/properties of specification used oil shall not exceed the specified limits listed below:
  - a) Sulfur - 0.5% maximum by weight;
  - b) Arsenic - 5 ppm maximum;
  - c) Cadmium - 2 ppm maximum;
  - d) Chromium - 10 ppm maximum;
  - e) Lead - 100 ppm maximum;
  - f) Polychlorinated Biphenyls (PCB) - < 2 ppm;
  - g) Total Halogen - 1,000 ppm maximum; and
  - h) Flash Point - 100°F minimum.
- viii. Should the results of any used oil analyses deem the sample to be hazardous, the contaminated containers shall be identified and isolated from the noncontaminated containers and be properly disposed of.

- f. The permittee shall not discharge or cause to discharge into the atmosphere from the baghouse servicing the 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)<sup>1</sup>

- g. The baghouse shall be maintained in good operating condition and be utilized at all times during the operation of the portable drum mix asphalt concrete plant.

(Auth.: HAR §11-60.1-3, §11-60.1-90)

2. Diesel Engine Generator

- a. The total operating hours of the 725 kW diesel engine generator shall not exceed 2,076 hours in any rolling twelve (12) month period.

(Auth.: HAR §11-60.1-3, §11-60.1-90)

- b. The 725 kW diesel engine generator shall be fired only on diesel fuel no. 2 with a maximum sulfur content not to exceed 0.5% by weight.

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

3. Hot Oil Heater

- a. The hot oil heater shall be fired only on diesel fuel no. 2 with a maximum sulfur content not to exceed 0.5% by weight.

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

- b. The hot oil heater's exhaust stack shall be modified and increased to a minimum height of 8.5 meters (27.9 feet) above ground elevation.

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

4. Visible Emissions

- a. The permittee shall take measures to control fugitive dust (e.g., wet suppression, enclosures, etc.) at all material transfer points, throughout the workyard and at the stockpiles. The Department of Health may at any time require the permittee to further abate fugitive dust emissions if an inspection indicates poor or insufficient control.

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

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

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

- c. For any six (6) minute averaging period, the drum mixer/dryer, 725 kW diesel engine generator, and hot oil heater shall not exhibit visible emissions of twenty (20) percent opacity or greater, except as follows: during start-up, shutdown, or equipment breakdown, the drum mixer/dryer, 725 kW diesel engine generator, and hot oil heater 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)<sup>2</sup>

#### 5. 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 portable drum mix asphalt concrete plant, shall be in accordance with Attachment II, Special Conditions, 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)

#### 6. Alternate Operating Scenarios

- a. Terms and conditions for reasonably anticipated operating scenarios identified by the source in the temporary 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 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 and the following provisions are adhered to:
    - (1) Written notification identifying the reasons for the replacement from the site of operation is submitted to the Department of Health prior to the exchange;
    - (2) The temporary replacement unit is the same size or smaller with equal or lesser emissions;
    - (3) The temporary replacement unit complies with all applicable conditions including all air pollution control equipment 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;
  - (5) 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;
  - (6) 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 State Ambient Air Quality Standards are met.
- b. The permittee shall contemporaneously with making a change from one operating scenario to another, record in a log at the permitted facility the scenario under which it is operating and, if required by any applicable requirement or the Department of Health, submit written notification to the Department of Health; and
  - c. The terms and conditions under each operating scenario shall meet all applicable requirements, including special conditions of this permit.

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

#### **Section D. Monitoring and Recordkeeping**

1. 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 maintenance, inspection, calibration, and repair records of the permitted equipment. These records shall be 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)

#### **2. Baghouse**

- a. A permanent pressure drop gage shall be operated and maintained for the baghouse to monitor the pressure differential (inches of water) across the filter bags. The pressure differential across the filter bags shall range from three (3) to five (5) inches of water or as specified by the manufacturer. In accordance with Attachment II, Special Condition No. D.2.b, maintenance or servicing shall be performed on the baghouse if the differential pressure reading indicates the baghouse is not operating effectively. Monitoring of the pressure differential across the filter bags shall not replace regular and routine inspections of the baghouse as required by the manufacturer.

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

- b. The permittee shall follow a regular inspection and maintenance schedule to ensure the following items of the baghouse are operating properly:
  - i. The filter bags are checked for any tears, holes, abrasions and scuffs, and replaced as needed;
  - ii. The cleaning system is maintained and operated at sufficient intervals to minimize particulate buildup or caking on the filter bags; and
  - iii. Other miscellaneous items/equipment essential for the effective operation of the baghouse are maintained.

(Auth.: HAR §11-60.1-3, §11-60.1-90)

3. Production and Operational Hours

- a. The permittee shall monitor and measure the raw material input as follows:
  - i. The virgin aggregate shall be weighed by a belt scale before entering the drum mixer/dryer;
  - ii. The liquid asphalt shall be recorded by a Brodie meter or equivalent measuring device; and
  - iii. The amount of reclaimed asphalt paving (RAP) shall be determined by using an electronic motor sensor which continuously records the rotations per minute of the conveyor to derive the amount of RAP (in tons per hour) input into the drum mixer/dryer. This measurement shall be used for the purpose of showing compliance with Attachment II, Special Condition No. C.1.c.

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

- b. The permittee shall operate and maintain a cell tech meter for the monitoring of the ton per hour production rate of the portable drum mix asphalt concrete plant for the purpose of showing compliance with Attachment II, Special Condition No. C.1.a.

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

- c. The permittee shall operate and maintain a non-resetting hour meter on the 725 kW diesel engine generator for the continuous and permanent recording of the total hours operated for the purpose of showing compliance with Attachment II, Special Condition No. C.2.a.

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

4. Visible Emissions (V.E.)

Except in those months where a performance test is conducted pursuant to Attachment II, Special Condition No. F.1, **monthly** (calendar month) visible emissions observations shall be performed on the drum mixer/dryer (exhaust at baghouse), 725 kW diesel engine generator, and hot oil heater. 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 the monthly observation for each equipment, two (2) consecutive six (6) minute observations shall be taken at fifteen (15) second intervals. Records shall be completed and maintained in accordance with the *Visible Emissions Form Requirements*.

(Auth.: HAR §11-60.1-3, §11-60.32, §11-60.1-90)

5. The permittee shall maintain records on the following:

- a. Total tons of hot mix asphalt produced by the portable drum mix asphalt concrete plant on a monthly and twelve (12) month rolling basis;
- b. Maximum production rate (tons per hour) of hot mix asphalt produced by the portable drum mix asphalt concrete plant on an hourly, daily, and monthly basis;
- c. The number of hours that the 725 kW diesel engine generator was operated on a monthly and 12-month rolling basis. Monthly records shall include:
  - i. Date of meter reading;
  - ii. Meter reading at the beginning of each month;
  - iii. Total operating hours for each month; and
  - iv. Total operating hours on a 12-month rolling basis;
- d. The total tons of RAP used by the portable drum mix asphalt concrete plant on a monthly and 12-month rolling basis;
- e. The following records shall be recorded for the baghouse:
  - i. Date and time of gauge reading(s) for the monitored parameter; and
  - ii. The pressure drop(s) across the baghouse (inches of water) measured by the pressure gauge(s) on a daily basis;
- f. 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 drum mixer/dryer, hot oil heater, and 725 kW diesel engine generator shall be maintained. Fuel sulfur content may be demonstrated by providing the suppliers fuel specification sheet for the type of fuel purchased and received. For each batch of used oil received, the permittee shall obtain from the fuel supplier the certificate of analysis of the fuel delivered. The fuel analysis shall identify the results of each constituent or parameter in proper units as specified in Attachment II, Special Condition No. C.1.e.vii.

- g. Monthly V.E. observation monitoring results of the drum mixer/dryer (exhaust at baghouse), hot oil heater, and 725 kW diesel engine generator;
- h. Source performance test plans, summaries, and results for the drum mixer/dryer and hot oil heater; and
- i. Equipment inspection, maintenance, and repair work. A log shall be maintained for the equipment covered under this permit. Replacement of parts and repairs to the facility shall be well documented. As a minimum, the log shall include:
  - i. Date of the inspection/maintenance/repair, including the replacement of filter bag(s) for the baghouse;
  - ii. Description of the findings and any maintenance/repair work performed; and
  - iii. The name and title of the personnel performing the inspection/work.

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

#### **Section E. Notification and Reporting Requirements**

1. Written notification shall be provided to the Department once the modification to increase the hot oil heater's stack height is completed.
2. Standard Conditions Reporting

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

- a. *Intent to shut down air pollution control equipment for necessary scheduled maintenance;*
- b. *Emissions of air pollutants in violation of HAR, Chapter 11-60.1 or this permit (excluding technology-based emission exceedences 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)<sup>2</sup>

3. Deviations

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

4. Performance Testing

- a. **At least thirty (30) days prior to conducting a performance test** for the portable drum mix asphalt concrete plant, the permittee shall submit to the Department of Health a written test plan in accordance with Attachment II, Special Condition No. F.5.

(Auth.: HAR §11-60.1-3, §11-60.1-90)

- b. 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 Attachment II, Special Condition No. F.7.

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

5. Monitoring Report Forms

The permittee shall submit **semi-annually** the following written reports to the Department of Health. The report shall be submitted **within sixty (60) days after the end of each semi-annual calendar period (January 1 - June 30 and July 1 - December 31)**, shall be signed and dated by an authorized representative, and shall include the following:

- a. Identification of any exceedances of the ton per hour production rate identified in Attachment II, Special Condition No. C.1.a. If there were no exceedances, the permittee shall submit in writing a statement indicating that there were no exceedances for that semi-annual period;
- b. Total operating hours of the 725 kW diesel engine generator on a monthly and 12-month rolling basis;
- c. Total amount in tons of reclaimed asphalt paving used on a monthly and rolling twelve month basis;
- d. Identification of the type of fuel fired in drum mixer/dryer, hot oil heater, and 725 kW diesel engine generator during the respective reporting periods. Include the maximum sulfur content (percent by weight) of the fuels fired;
- e. Identification of any occurrences where the used oil received by the facility did not meet the fuel specifications identified in Attachment II, Special Condition No. C.1.e. If all used oil received for the applicable period met the specifications, the permittee shall state so; and
- f. Identification of any opacity exceedances as determined by the required V.E. monitoring of the drum mixer/dryer (exhaust at baghouse), hot oil heater, and 725 kW diesel engine generator. Each exceedance reported shall include the date, six (6) minute average opacity reading, possible reason for exceedance, duration of the exceedance, and corrective action taken. If there were no exceedances, the permittee shall submit in writing a statement indicating that there were no exceedances for that semi-annual period for the drum mixer/dryer, hot oil heater, and 725 kW diesel engine generator.

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

Monitoring/Annual Emissions Report Form: Asphalt Plant Production;  
Monitoring/Annual Emissions Report Form: Fuel Consumption and Certification;  
Monitoring Report Form: Operating Hours and Reclaimed Asphalt Paving; and  
Monitoring Report Form: Visible Emissions.

(Auth.: HAR §11-60.1-3, §11-60.1-90)

6. Annual Emissions

As required by Attachment IV: *Annual Emissions Reporting Requirements* and in conjunction with the requirements of Attachment III: *Annual Fee Requirements*, the permittee shall submit annually the total tons/yr emitted of each regulated *air* pollutant, including hazardous air pollutants. The reporting of annual emissions is due **within sixty (60) days following the end of each calendar year**. The Monitoring/Annual Emissions Report Forms "Asphalt Plant Production" and "Fuel Consumption and Certification," shall be used.

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

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

7. 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 or authorized representative.

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

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

#### **Section F. Testing Requirements**

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

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; and
  - 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 reading shall be continuous.

(Auth.: HAR §11-60.1-3, §11-60.1-11, §11-60.1-90, §11-60.1-161, 40 CFR 60 Appendix A, SIP §11-60-15)<sup>1, 2</sup>

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

(Auth.: HAR §11-60.1-3, §11-60.1-11, §11-60.1-90, §11-60.1-161, 40 CFR 60 Appendix A)<sup>1</sup>
  
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 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 Appendix A)<sup>1</sup>
  
5. At least **thirty (30) calendar days prior to conducting a performance 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, location of visible emissions, 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, §11-60.1-11, §11-60.1-90, 40 CFR §60.8, SIP §11-60-15)<sup>1,2</sup>
  
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 portable drum mix asphalt concrete plant. All performance tests may be monitored by the Department of Health.

(Auth.: HAR §11-60.1-3, §11-60.1-11, §11-60.1-90. SIP §11-60-15)<sup>2</sup>
  
7. **Within sixty (60) 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 in tons/hour and pressure drop readings, etc.) of the portable drum mix asphalt concrete plant, the summarized test results, comparative results with the permit emissions 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)

8. 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, §11-60.1-11, §11-60.1-90)

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

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

### **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.
    - ii. Location of all structures within 325 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 Temporary Covered Source Permit shall be done in accordance with Attachment I, Standard Condition No. 29.

(Auth.: HAR §11-60.1-4, §11-60.1-90)

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<sup>1</sup> 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.

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

**PROPOSED**

**MONITORING REPORT FORM  
OPERATING HOURS AND RECLAIMED ASPHALT PAVING  
TEMPORARY COVERED SOURCE PERMIT NO. 0040-01-CT**

**[Amended Date]**

**Expiration Date: March 18, 2007**

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

(Make Copies for Future Use)

For Period: \_\_\_\_\_ Date: \_\_\_\_\_

Facility Name: **Grace Pacific Corporation  
186 TPH Portable Drum Mix Asphalt Concrete Plant**

Equipment Location: Camp 10, Puunene, Maui

- Equipment:
- 725 kW Cummins/Onan Diesel Engine Generator, model KTA38-G2, serial no. E950577135
  - Aesco Madsen Black Gold RAP Crusher, model RC50, serial no. J-2089

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 & Title: Robert Creps, Senior Vice-President

Responsible Official (Signature): \_\_\_\_\_

<b>DEG Operation &amp; RAP Usage</b>				
<b>Month</b>	<b>DEG Operation (hours)</b>		<b>RAP Usage (tons)</b>	
	<b>Monthly Hours</b>	<b>Rolling 12-Month Total Hours</b>	<b>Monthly Tons</b>	<b>Rolling 12-Month Total Tons</b>
<b>January</b>				
<b>February</b>				
<b>March</b>				
<b>April</b>				
<b>May</b>				
<b>June</b>				
<b>July</b>				
<b>August</b>				
<b>September</b>				
<b>October</b>				
<b>November</b>				
<b>December</b>				