

PROPOSED

[Issuance Date]

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

03-XXXE CAB
File No. 0045-12

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. 0045-02-CT
Application for a Minor Modification File No. 0045-12
Grace Pacific Corporation
334 TPH Hot Mix Asphalt Facility
Located at: 91- 920 Farrington Highway, Kapolei, Oahu
Date of Expiration: May 1, 2005**

The subject Temporary Covered Source Permit is **amended** in accordance with Hawaii Administrative Rules, Title 11, Chapter 60.1. The permit amendment allows the existing drum-mixer to burn up to 20,000 gallons of specification used oil per rolling 12-month period. The specification used oil shall be blended with fuel oil no. 2 prior to being burned, and the blend shall consist of, at most, 25% specification used oil. These 20,000 gallons of specification used oil would replace 20,000 gallons of fuel oil no. 2. There would be no increase in the production, hours of operation, or total fuel consumption.

Changes were also made to update the permit condition language and/or to clarify existing conditions. The changes are reflected in the enclosed Attachment II, Special Conditions. The enclosed Attachment II, as amended on this date, shall replace and supersede Attachment II, Special Conditions of Temporary CSP No. 0045-02 as issued on May 3, 2000, and amended on March 5, 2002, and May 10, 2002.

The Monitoring/Annual Emissions Report Form: **"Production, Fuel Consumption, Certification, and Operating Hours - Asphalt Plant"** replaces and supersedes the **"Production, Fuel Certification and Operating Hours - Asphalt Plant"** form to incorporate monitoring and reporting provisions for the specification used oil. The new form is enclosed.

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Attachment IV: Annual Emissions Reporting Requirements was revised to include the new form. All other requirements of the Temporary Covered Source Permit CSP No. 0045-02-CT shall not be affected and shall remain valid.

The issuance of this permit amendment is based on the plans, specifications, and information you submitted as part of your application received August 1, 2003, and additional information received on September 22 and October 13, 2003. A receipt for the application filing fee of \$100.00 was mailed to you on December 1, 2003.

Sincerely,

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

MR:lk

Enclosures

c: CAB Enforcement Section

**ATTACHMENT II: SPECIAL CONDITIONS
TEMPORARY COVERED SOURCE PERMIT NO. 0045-02-CT**

[Amended Date]

Expiration Date: May 1, 2005

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. The 334 TPH Asphalt Plant encompasses the following equipment and associated appurtenances:
 - a. 725 kW Caterpillar diesel engine generator de-rated to 544 kW, model 3412, serial no. 2WJ01364;
 - b. Drum-Mixer, Double Barrel Asphalt Plant with baghouse;
 - c. Various conveyor belts; and
 - d. Reclaimed Asphalt Paving (RAP) Crushing and Screening System, model RRB-814/30C consisting of the following:
 - i. 275 TPH Telsmith Screen, 4' x 8', Single Deck, model VK481, serial no. 363M474;
 - ii. 96 TPH Telsmith Hammermill Crusher, model HSI-3036, serial no. 232M337; and
 - iii. Various conveyor belts

(Auth.: HAR §11-60.1-3)

2. With the exception of the conveyor belts, an identification tag or name plate shall be displayed on the equipment 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 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, §60.90)¹

2. The permittee shall comply with all applicable provisions of Subparts A and I, including all emission limits and all notification, testing, monitoring and reporting requirements.

(Auth.: HAR §11-60.1-3, §11-60.1-90, §11-60.1-161; 40 CFR §60.1, §60.90)¹

Section C. Operational and Emission Limitations

1. Operational Restrictions

- a. The asphalt plant shall not produce more than 540,000 tons of asphalt concrete in any rolling twelve (12) month period.
- b. The total amount of reclaimed asphalt paving (RAP) used shall not exceed 216,000 tons in any rolling twelve (12) month period.
- c. The diesel engine generator shall not operate more than 20 hours per day.
- d. The drum-mixer shall not operate more than 20 hours per day.
- e. The total fuel consumption of the diesel engine generator shall not exceed 107,460 gallons in any rolling twelve (12) month period.
- f. The 725 kW diesel engine generator shall be permanently de-rated to 75% of the rated full-load (544 kW) by re-programming the governor.
- g. The total specification used oil consumption of the drum-mixer shall not exceed 20,000 gallons in any rolling twelve (12) month period.

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

2. Fuel Specifications

- a. The diesel engine generator and drum-mixer shall be fired only on fuel oil no. 2 with a maximum sulfur content not to exceed 0.5% by weight.
- b. The drum-mixer may also be fired on a blend of fuel oil no. 2 with a maximum sulfur content not to exceed 0.5% by weight and specification used oil subject to the requirements in Special Condition C.3.
- c. The fuel blend shall consist of, at most, 25 percent of specification used oil.

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

3. Specification Used Oil

- a. The permit conditions prescribed herein may at any time be revised by the Department of Health to reflect federal or state promulgated rules on used oil.
- b. 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.
- c. The used oil shall be obtained only from Unitek Solvent Services, Inc. and sources within Grace Pacific Corporation. Used oil may also be obtained from other sources, provided a written notification identifying the new source is submitted to the Department of Health, and approved, prior to the acceptance of the used oil.

d. Sampling

i. For used oil supplied by Unitek:

An analysis report shall be obtained for the constituents/properties for which limits are given in Attachment II, Special Condition No. C.3.f. for each batch of used oil delivered.

ii. For used oil generated within Grace Pacific Corporation:

Samples of the used oil generated from within Grace Pacific Corporation shall be taken from the specification used oil tank, holding tanks, or drums, as applicable, and composited and analyzed for compliance with the limits in Attachment II, Special Condition No. C.3.f. prior to being emptied into the blend tank and burned. These samples shall be taken in such a manner that the composite sample is representative of all the used oil in that batch. Each composite sample shall be submitted in a timely manner to a qualified laboratory and analyses obtained for the constituents/properties which limits are given in Special Condition No. C.3.f.

Additional used oil may be added to the batch provided that

- (1) The used oil in the specification used oil tank is retested after the addition of untested used oil; or
- (2) The holding tanks or drums of untested used oil are tested prior to addition to the specification used oil tank,

and the results are verified to meet the requirements of Attachment II, Special Condition No. C.3.f.

e. In no case, shall any used oil that has not been tested and verified (by laboratory analysis or as specified in Attachment II, Special Condition No. C.3.h.) to meet the specification used oil requirements of Attachment II, Special Condition No. C.3.f. be added to the blend tank and burned.

f. The following constituents/properties of the specification used oil shall not exceed the specified limits listed below:

<u>Constituent/Property</u>	<u>Allowable Limit</u>
Arsenic	5 ppm maximum
Cadmium	2 ppm maximum
Chromium	10 ppm maximum
Lead	100 ppm maximum
Total Halogen	1,000 ppm maximum
Sulfur	0.5% maximum by weight
Flash Point	100°F minimum
Polychlorinated Biphenyls (PCB)	< 2 ppm

- g. Should the results of any used oil analyses deem the sample to be hazardous, the contaminated containers shall be identified and isolated from the non-contaminated containers and properly disposed. Fuel blending to meet the constituents/properties limits given in Attachment II, Special Condition No. C.3.f. is allowable only for used oil that were not deemed hazardous.
- h. If fuel blending is used to meet Attachment II, Special Condition No. C.3.f, the permittee shall retest or perform calculations to verify that the blended fuel meets the specification used oil limits in Special Condition No. C.3.f. Blended fuel oil meeting Special Condition No. C.3.f. is considered specification used oil and requires additional blending with fuel oil no. 2 to meet Attachment II, Special Condition No. C.2.
- i. This permit does not authorize the permittee to burn hazardous waste or off-specification used oil. The permittee shall not accept or burn used oil that has been declared or determined to be hazardous waste and shall not burn off-specification used oil.

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

4. Visible Emissions

For any six (6) minute averaging period, the diesel engine generator and drum-mixer shall not exhibit visible emissions of twenty (20) percent or greater, except as follows: during startup, shutdown, or equipment breakdown, the diesel engine generator and drum-mixer 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

5. Emission Limit

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

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

6. Fugitive Dust

- a. The permittee shall install and maintain enclosures on the RAP crushing and screening system. The enclosures shall cover the crusher, screen, and all conveyors used in the RAP system. The enclosures shall be utilized continuously during operation of the RAP system to control fugitive dust.

- b. The permittee shall not cause or permit fugitive dust to become airborne without taking reasonable precautions, nor discharge visible emissions of fugitive dust beyond the lot line of the property on which the emissions originate.
- c. The permittee shall take measures to control fugitive dust (e.g., wet suppression, enclosures, etc.) at the RAP crushing and screening plant, at all material transfer points, at the stockpile bunkers, and throughout the workyard. 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, §11-60.1-5, §11-60.1-33, §11-60.1-90)

7. Maintenance

The asphalt plant, including the drum-mixer and baghouse, diesel engine generator, and RAP crushing and screening system 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)

8. Baghouse

The baghouse servicing the drum-mixer shall be utilized at all times during the operation of the asphalt plant. The permittee shall ensure the following items of the baghouse are operating properly:

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

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

9. Temporary Source Requirements

- a. 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 HMA plant shall be in accordance with Section G of these special conditions. 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.
- b. The emissions from the equipment covered by this Temporary Covered Source Permit shall not exceed the threshold limits for a "major source" as defined in HAR §11-60.1-1.

(Auth.: HAR §11-60.1-81)

10. 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 Requirements

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 their representative upon request.

1. Hour Limits

- a. A non-resetting hour meter shall be installed, operated, and maintained on the drum-mixer for the continuous and permanent recording of the total hours operated by the drum-mixer. Daily records shall be maintained on the beginning and ending meter readings of the hour meter, along with the total hours of operation per day for the purpose of the hourly limitation specified in this Attachment, Section C, Condition No. 1.d.
- b. A non-resetting hour meter shall be installed, operated, and maintained on the diesel engine generator for the continuous and permanent recording of the total hours operated by the diesel engine generator. Daily records shall be maintained on the beginning and ending meter readings of the hour meter, along with the total hours of operation per day for the purpose of the hourly limitation specified in this Attachment, Section C, Condition No. 1.c.

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

2. Asphalt Production and RAP Limits

- a. Daily records shall be kept on the amount of asphalt produced. Monthly operational summaries shall include the total amount of asphalt produced on a monthly basis, and the total amount of asphalt produced based on a 12-month rolling basis. The permittee shall collect and maintain daily production report print-outs/receipts to provide supportive information to substantiate daily and monthly production rates.
- b. A nonresetting tonnage meter shall be installed, operated, and maintained on the RAP conveyor belt leading to the drum mixer to record the amount (tons) of RAP added to the asphalt mix for the purpose of the RAP limitation specified in this Attachment, Section C, Condition No. 1.b. The permittee shall monitor the RAP usage and maintain records on the amount (tons) of RAP used on a monthly and 12-month rolling basis. Monthly RAP usage records shall include:
 - i. Date of the meter readings;
 - ii. Beginning and ending meter readings for each month;
 - iii. Total amount (tons) of RAP used for each month;
 - iv. Total amount (tons) of RAP used based on a 12-month rolling basis; and
 - v. Recorder's name and initials.

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

3. Fuel Consumption

a. Diesel Engine Generator

Records shall be kept on the amount of fuel consumed by the diesel engine generator on a daily, monthly, and twelve (12) month rolling basis. The permittee shall take dipstick readings from the fuel oil storage tank supplying fuel to the diesel engine generator for the purpose of the fuel limitation specified in this Attachment, Special Condition No. C.1.e. Records shall include:

- i. Date of the dipstick readings;
- ii. Beginning and ending dipstick readings during start-up and shutdown of the portable drum-mix HMA plant each day;
- iii. Total fuel consumption for each day;
- iv. Total fuel consumption for each month;
- v. Total fuel consumption on a twelve (12) month rolling basis; and
- vi. Recorder's name and initials.

b. Drum-mixer

Fuel consumption records shall be maintained for the drum-mixer in accordance with Monitoring/Annual Emissions Report Form: Production, Fuel Consumption, Certification and Operating Hours - Asphalt Plant. Consumption of fuel oil no. 2 and specification used oil shall be tracked separately.

- i. Records shall be kept on the amount (gallons) of fuel oil no. 2 consumed by the drum-mixer for the purpose of annual emissions reporting.
- ii. Records shall be kept on the amount (gallons) of specification used oil consumed by the drum-mixer on a monthly and twelve (12) month rolling basis for the purpose of the specification used oil limitation specified in this Attachment, Special Condition No. C.1.g, and shall include:
 - (1) Total specification used oil consumption for each month; and
 - (2) Total specification used oil consumption on a twelve (12) month rolling basis.

Specification used oil consumption shall be determined in accordance with this Attachment, Special Condition No. D.5, below.

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

4. Fuel Certification

Receipts on the amount and type of fuel delivered to the facility for the diesel engine generator and drum-mixer shall be maintained. The permittee shall maintain records on the date, fuel supplier, quantity (gallons), and analysis of all fuel oil no. 2 and used oil received at the facility. For each batch of fuel oil no. 2 or used oil received, the permittee shall obtain from the fuel supplier the certificate of analysis of the fuel delivered. For used oil generated within Grace Pacific Corporation, the permittee shall obtain from the laboratory the certificate of analysis for each sample of used oil tested. The fuel analyses shall identify the results of each constituent or parameter in proper units as specified in Attachment II, Special Conditions C.2.a, b, and C.3.f.

Records for the used oil shall include:

- a. A log shall be maintained for all used oil being added to the specification used oil tank. The log shall include:
 - i. Date the used oil is added;

- ii. Source of the used oil (Unitek or within Grace Pacific Corporation);
- iii. Amount of used oil added;
- iv. Date of corresponding lab analysis results for the used oil added and verification that the used oil added meets the requirements of Attachment II, Special Condition No. C.3.f.; and
- v. Recorder's name and initials.

- b. For any fuel blending performed to meet the requirements of Attachment II, Special Condition No. C.3.f., all calculations and supporting information used to determine compliance with the specification used oil limits.

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

5. Fuel Blending for Compliance with 25% Specification Used Oil Limit

For each time fuel is blended to meet the 25% specification used oil limit specified in Attachment II, Special Condition No. C.2.c., the permittee shall take dipstick readings from the fuel blending tank supplying fuel to the drum-mixer. Records for each blend shall include:

- a. Date of the dipstick readings;
- b. Beginning dipstick reading of the blend tank prior to blending (if any fuel remaining in blend tank);
- c. Dipstick reading of the blend tank after fuel oil no. 2 is added;
- d. Dipstick reading of the blend tank after specification used oil is added;
- e. Amount of each fuel blended, total amount blended, and percent of specification used oil blended; and
- f. Recorder's name and initials.

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

6. The permittee shall maintain records on monthly and annual V.E. observations monitoring results for the diesel engine generator and drum-mixer.

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

7. The permittee shall maintain records on source performance test plans, summaries, and results for the asphalt plant.

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

8. Visible Emissions (V.E.) Observations

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

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

9. Performance Testing

Annual source performance tests shall be conducted on the asphalt plant drum-mixer pursuant to this Attachment, Section F.

(Auth.: HAR §11-60.1-3, §11-60.1-90)

10. Inspection and Repair Log

The permittee shall maintain records on any inspections/maintenance/repair work conducted on the asphalt plant, including the diesel engine generator, drum-mixer and baghouse, and RAP crushing and screening system. At a minimum, these records shall include:

- a. The date of the inspection/maintenance/repair work, including replacement of filter bag(s) for the baghouse;
- b. A description of the findings and any work performed on the equipment covered by this permit; and
- c. The name and title of personnel performing inspection/work.

(Auth.: HAR §11-60.1-3, §11-60.1-90)

Section E. Notification and Reporting Requirements

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

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

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

2. The permittee shall report **within five (5) 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 stack testing, more frequent monitoring, or could trigger 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. At least **thirty (30) days prior to conducting a source performance test** pursuant to this Attachment, Section F, the permittee shall submit to the Department of Health a test plan in accordance with this Attachment, Special Condition No. F.6, indicating the date(s) of the scheduled performance test for the facility and the locations of the visible emissions reading.

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

4. Written reports of the results of all source performance tests conducted to demonstrate compliance shall be submitted to the Department of Health **within sixty (60) days after the completion of the performance test** and shall be in conformance with this Attachment, Special Condition No. F.9.

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

5. Compliance Certification

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

6. Monitoring Reports

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

a. Diesel Engine Generator

- i. The total fuel consumption (gallons) of the diesel engine generator on a monthly and 12-month rolling basis.
- ii. The type of fuel fired by the diesel engine generator during the respective reporting period. Include the maximum sulfur content (percent by weight) of the fuel.
- iii. Each day the twenty (20) hour per day limitation, as specified in Special Condition No. C.1.c., has been exceeded. The report shall include the following:
 - (1) The date and time of commencement and completion of diesel engine generator operations on the day the limitation is exceeded;
 - (2) The total hours the diesel engine generator operated on the day the limitation is exceeded;
 - (3) The reason why the limitation was exceeded; and
 - (4) The report shall state if no exceedances of the twenty (20) hour per day operating limit have occurred.
- iv. Any opacity exceedances as determined by the required V.E. monitoring. Each exceedance reported shall include the date, six (6) minute average opacity reading, possible reason for exceedance, duration of exceedance, and corrective actions taken. If there were no exceedances, the permittee shall submit in writing a statement indicating that for the diesel engine generator there were no exceedances for that semi-annual period.

b. Asphalt Plant/Drum-Mixer

- i. The total amount (tons) of asphalt produced by the facility on a monthly and 12-month rolling basis.

- ii. Each day the drum-mixer twenty (20) hour per day limitation, as specified in Special Condition No. C.1.d., has been exceeded. The report shall include the following:
 - (1) The date and time of commencement and completion of drum-mixer operations on the day the limitation is exceeded;
 - (2) The total hours the drum-mixer operated on the day the limitation is exceeded;
 - (3) The reason why the limitation was exceeded; and
 - (4) The report shall state if no exceedances of the twenty (20) hour per day operating limit have occurred.
 - iii. Any opacity exceedances as determined by the required V.E. monitoring. Each exceedance reported shall include the date, six (6) minute average opacity reading, possible reason for exceedance, duration of exceedance, and corrective actions taken. If there were no exceedances, the permittee shall submit in writing a statement indicating that for the drum mixer there were no exceedances for that semi-annual period.
 - iv. The type(s) of fuel fired by the drum-mixer during the respective reporting period. Include the maximum sulfur content (percent by weight) of the fuel(s) and the maximum of the used oil analyses results for all used oil added to the blend tank. Identify any occurrences where the requirements identified in Attachment II, Special Conditions C.2 and C.3 are not met. If all the requirements identified in Special Conditions C.2 and C.3 are met, the permittee shall state so.
 - v. The maximum percent of specification used oil in the blended fuel fired in the drum-mixer for the reporting period.
 - vi. The total specification used oil consumption (gallons) of the drum-mixer on a monthly and 12-month rolling basis.
- c. RAP Crushing and Screening System
- i. The total amount (tons) of RAP used by the facility on a monthly and 12-month rolling basis.

The enclosed Monitoring/Annual Emission Report Forms: *"Fuel Consumption, Certification, and Operating Hours - Diesel Engine Generator," "Production, Fuel Consumption, Certification, and Operating Hours - Asphalt Plant," "Reclaimed Asphalt Paving,"* and *"Visible Emissions"* shall be used.

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

7. Annual Emissions

As required by Attachment IV and in conjunction with the requirements of Attachment III, Annual Fee Requirements, the permittee shall report **annually** the total tons/year emitted of each regulated 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: *"Fuel Consumption, Certification, and Operating Hours - Diesel Engine Generator," "Production, Fuel Consumption, Certification, and Operating Hours - Asphalt Plant,"* and *"Reclaimed Asphalt Paving"* referenced in Special Condition No. E.6. above, may be used to satisfy this annual reporting requirement.

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

(Auth.: HAR §11-60.1-3, §11-60.1-90)

Section F. Testing Requirements

1. On an annual basis or at other times as 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 the procedures in 40 CFR §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 emissions of particulate matter shall be conducted using 40 CFR Part 60 Methods 1-5. For method 5, the sampling time for each run shall be at least sixty (60) minutes and the minimum sample volume shall be at least 0.90 dscm (31.8 dscf).
 - b. Performance tests to determine opacity shall be conducted using 40 CFR Part 60 Method 9.

(Auth.: HAR §11-60.1-3, §11-60.1-11, §11-60.1-90, §11-60.1-161; 40 CFR § 60.93, 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 methodology by which the asphalt production rate was determined.
- b. The pressure drop across the baghouse, in inches, 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, 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)

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)

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)

7. The permittee shall provide sampling and testing facilities at its own expense. The tests shall be conducted at the maximum expected operating capacity of the asphalt plant and 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 and U.S. EPA Region 9 (Attention: AIR-3) 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 G. Change of Location Requirements

1. The permittee shall submit information regarding all succeeding location changes to the Department of Health for approval at least thirty **(30) days**, or such lesser time as designated and approved by the Department of Health, prior to the change in location. The information submitted shall include:
 - 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 line.
 - 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. Area map showing the equipment and new proposed location;
- f. Projected dates of operation 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;
- h. Any other air pollution sources owned and operated by the permittee at the new location; and
- i. Any additional information as requested by the Department of Health, which may include 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 of 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. The operation of the facility shall be temporary and involve at least one change in location during the term of the covered source permit. If the facility remains in any one location for longer than twelve (12) consecutive months, the Department of Health may request an ambient air quality impact assessment of the source.

(Auth.: HAR §11-60.1-3, §11-60.1-91)

- 5. 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)

6. All the information required in this section shall be submitted to the Department of Health using the attached form, "*Change of Location Request for a Temporary Source*" along with the area maps showing the equipment and the new proposed location.

Section H. Agency Notification

1. Any document (including reports) required to be submitted by this Temporary Covered Source Permit shall be done in accordance with Attachment I, Standard Conditions, Condition 29.

(Auth.: HAR §11-60.1-4, §11-60.1-90)

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

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

PROPOSED

**ATTACHMENT IV: ANNUAL EMISSIONS REPORTING REQUIREMENTS
TEMPORARY COVERED SOURCE PERMIT NO. 0045-02-CT**

[Amended Date]

Expiration Date: May 1, 2005

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 Monitoring/Annual emission forms for the following:

Fuel Consumption, Certification, and Operating Hours - Diesel Engine Generator

Production, Fuel Consumption, Certification, and Operating Hours - Asphalt Plant

Reclaimed Asphalt Paving

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 by submitting a written request to the Department of Health and clearly identifying the specific information that is to be accorded confidential treatment.

**MONITORING/ANNUAL EMISSIONS REPORT FORM
 PRODUCTION, FUEL CONSUMPTION, CERTIFICATION,
 AND OPERATING HOURS - ASPHALT PLANT
 TEMPORARY COVERED SOURCE PERMIT NO. 0045-02-CT
 (PAGE 1 OF 4)**

[Amended Date]

Expiration Date: May 1, 2005

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 Period: _____ Date: _____

Company Name: _____

Facility Name: _____

Equipment Location: _____

Equipment Description (specify units) : _____

Serial/ID No.: _____

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

Responsible Official (PRINT): _____

TITLE: _____

Responsible Official (Signature): _____

Asphalt Plant Type:

Batch Hot-Mix

Continuous Hot-Mix _____

Dryer-Drum _____

Rated Capacity (specify units):

1. PRODUCTION

MONTH	Total Asphalt Produced (tons/month)	Total Asphalt Produced 12-Month Rolling Basis
January		
February		
March		
April		
May		
June		

MONTH	Total Asphalt Produced (tons/month)	Total Asphalt Produced 12-Month Rolling Basis
July		
August		
September		
October		
November		
December		

**MONITORING/ANNUAL EMISSIONS REPORT FORM
PRODUCTION, FUEL CONSUMPTION, CERTIFICATION,
AND OPERATING HOURS - ASPHALT PLANT
TEMPORARY COVERED SOURCE PERMIT NO. 0045-02-CT
(CONTINUED, PAGE 2 OF 4)**

[Amended Date]

Expiration Date: May 1, 2005

2. SPECIFICATION USED OIL CONSUMPTION

MONTH	Monthly Spec. Used Oil Consumption (Gallons/month)	Total Spec. Used Oil Consumption 12-Month Rolling Basis
January		
February		
March		
April		
May		
June		
July		
August		
September		
October		
November		
December		

3. % SPECIFICATION USED OIL

For the reporting period, identify the types of fuel and the maximum % specification used oil in the blended fuel fired in the drum-mixer:

Types of Fuel Blended	Maximum % Specification Used Oil in the Blended Fuel Fired in the Drum-Mixer

**MONITORING/ANNUAL EMISSIONS REPORT FORM
 PRODUCTION, FUEL CONSUMPTION, CERTIFICATION,
 AND OPERATING HOURS - ASPHALT PLANT
 TEMPORARY COVERED SOURCE PERMIT NO. 0045-02-CT
 (CONTINUED, PAGE 3 OF 4)**

[Amended Date]

Expiration Date: May 1, 2005

4. SPECIFICATION USED OIL ANALYSIS

Number of used oil analyses received/performed for this report period: _____

- a. For all used oil added to the blend tank, indicate the maximum of the Used Oil analyses results received/performed:

<u>Constituent/Property</u>	<u>Maximum Results</u>
Arsenic	_____ ppm by weight
Cadmium	_____ ppm by weight
Chromium	_____ ppm by weight
Lead	_____ ppm by weight
Total Halogens	_____ ppm by weight
Sulfur	_____ % by weight
Flash Point	_____ °F
Polychlorinated Biphenyls (PCB)	_____ ppm by weight

- ___ b. Identify any occurrence(s) that does not meet the requirements identified in Attachment II, Special Conditions C.2 and C.3, including all times when:

- i. Used oil was burned without prior testing and verification of the requirements of Attachment II, Special Condition No. C.3.f.
- ii. Used oil deemed hazardous was burned.
- iii. Used oil deemed hazardous was blended to meet the specifications of Attachment II, Special Condition No. C.3.f.

Date	Description of Requirement That Was Not Met	Reason

If all the requirements in Special Condition No. C.2 and C.3 are met for the applicable period, the permittee shall state so.

**MONITORING/ANNUAL EMISSIONS REPORT FORM
 PRODUCTION, FUEL CONSUMPTION, CERTIFICATION,
 AND OPERATING HOURS - ASPHALT PLANT
 TEMPORARY COVERED SOURCE PERMIT NO. 0045-02-CT
 (CONTINUED, PAGE 4 OF 4)**

[Amended Date]

Expiration Date: May 1, 2005

5. FUEL OIL NO. 2 CONSUMPTION

Report the maximum percent sulfur by weight, and the amount in gallons of the fuel oil no. 2 fired in the drum-mixer covered by this permit for the reporting period. Report the fuel usage in gallons per year for the 2nd semi-annual reporting period (calendar year).

Type of Fuel Fired	Maximum % Sulfur Content by Weight	Total Fuel Consumption (gal/yr, reported in 2 nd semi-annual reporting period for the calendar year)
Fuel Oil No. 2		

6. DAILY LIMITATION EXCEEDANCES

Indicate in the table below, each day the drum-mixer 20 hour/day operating limitation, as specified in Special Condition No. C.1.d., was exceeded.

Date of Exceedence	Operated From (Time)	Operated To (Time)	Total Hours Operated on this Date	Reason for Exceeding the Daily Limitation

Please **indicate in the table above if no exceedance** to the daily limitation has occurred for the reporting period.

7. AIR POLLUTION CONTROLS

Type of Air Pollution Control	In Use?	Pollutant Controlled	Control Efficiency, % Reduction
	Yes or No		
	Yes or No		