

PROPOSED

[Issuance Date]

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

04-XXXE CAB
File No. 0036

Mr. William A. Paik
Vice President
Grace Pacific Corporation
P. O. Box 78
Honolulu, Hawaii 96810

Dear Mr. Paik:

Subject: Temporary Covered Source Permit (CSP) No. 0036-01-CT
Application for Renewal/Significant Modification No. 0036-03
Grace Pacific Corporation
186 tph Hot Drum Mix Asphalt Plant
Located at: Various locations, State of Hawaii
Initial location: Halawa Valley Road, Aiea, Oahu
Date of Expiration: [Five Year Period from Issuance Date]

The subject Covered Source Permit Renewal/Significant Modification is issued in accordance with Hawaii Administrative Rules, Title 11, Chapter 60.1. The issuance of this permit is based on the application dated June 21, 2002, and its revisions dated December 29, 2003, and March 9, 2004. This permit shall supersede CSP No. 0036-01-C dated July 13, 1998, and its amendment dated August 20, 2001. Enclosed is a receipt of \$500.00 for the application fee.

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

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

PROPOSED

Mr. William A. Paik
[Issuance Date]
Page 2

The forms for submission are as follows:

Annual Emissions Report Form: Asphalt Plant Production
Monitoring Report Forms: Operating Hours; Fuel Certification;
Spec Used Oil and Visible Emissions
Compliance Certification Form
Change of Location Request for a Temporary Source

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

CBS:lk

Enclosures

c: CAB Enforcement Section

**ATTACHMENT I: STANDARD CONDITIONS
TEMPORARY COVERED SOURCE PERMIT NO. 0036-01-CT**

[Issuance Date]

[Expiration Date]

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

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

(Auth.: HAR §11-60.1-90)

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

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

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

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

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

(Auth.: HAR §11-60.1-7)

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

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

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

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

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

(Auth.: HAR §11-60.1-5, §11-60.1-82)

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

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

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

(Auth.: HAR §11-60.1-90)

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

(Auth.: HAR §11-60.1-90)

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

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

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

(Auth.: HAR §11-60.1-90)

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

(Auth.: HAR §11-60.1-90)

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

(Auth.: HAR §11-60.1-90)

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

(Auth.: HAR §11-60.1-14, §11-60.1-90)

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

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

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

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

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

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

(Auth.: HAR §11-60.1-90)

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

(Auth.: HAR §11-60.1-14, §11-60.1-90)

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

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

(Auth.: HAR §11-60.1-9, §11-60.1-90)

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

(Auth.: HAR §11-60.1-9, §11-60.1-90)

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

(Auth.: HAR §11-60.1-90)

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

(Auth.: HAR §11-60.1-4, §11-60.1-90)

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

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

(Auth.: HAR §11-60.1-11, §11-60.1-90)

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

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

26. Each permit renewal application shall be submitted to the Department of Health no less than twelve (12) months and no more than eighteen (18) months prior to the permit expiration date. The Department of Health may allow a permit renewal application to be submitted no less than six (6) months prior to the permit expiration date, if the Department of Health determines that there is reasonable justification.

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

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

(Auth.: HAR §11-60.1-93)

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

(Auth.: HAR §11-60.1-90)

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

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

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

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

(Auth.: HAR §11-60.1-4, §11-60.1-90)

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

(Auth.: HAR §11-60.1-5, §11-60.1-90)

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

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

**ATTACHMENT II: SPECIAL CONDITIONS
TEMPORARY COVERED SOURCE PERMIT NO. 0036-01-CT**

[Issuance Date]

[Expiration Date]

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

Section A. Equipment Description

1. This permit encompasses the 186 tph hot drum mix asphalt plant consisting of the following equipment and associated appurtenances:
 - a. Astec Industries drum mixer (model no. PDM-636-C, I.D. no. 85-172);
 - b. One (1) Astec Industries baghouse (model no. PBH-30);
 - c. One (1) 655 kW Detroit diesel engine generator (model no. DDC 655, serial no. 16 VA 019208);
 - d. One (1) four compartment cold feed bin;
 - e. One (1) recycled asphalt product (RAP) feed bin; and
 - f. Three (3) portable conveyors.

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

2. An identification tag or name plate shall be displayed on the drum mixer, baghouse, and diesel engine generator (DEG) which identifies the model no., serial no., and manufacturer. The identification tag or name plate shall be permanently attached to the equipment at a conspicuous location.

(Auth.: HAR §11-60.1-90)

Section B. Applicable Federal Regulations

1. The 186 tph hot drum mix 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 Part 60)¹

2. The permittee shall comply with all applicable provisions of these standards, including all emissions limits, 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)

Section C. Operational Limitations

1. Drum Mixer

a. The drum mixer shall be fired only on the following fuels:

- 1) Fuel oil no. 2 with a maximum sulfur content not to exceed 0.5 percent by weight;
- 2) Specification (spec) used oil as specified in Special Condition No. C.5 ;
- 3) Cooking oil as specified in Special Condition No. C.6;
- 4) Jet-A and A-1;
- 5) JP-5 and 8; or
- 6) Any combination thereof.

b. The total operating hours of the drum mixer shall not exceed 3,500 hours in any rolling twelve (12) month period.

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

2. DEG

a. The DEG shall be fired only on fuel oil no. 2 with a maximum sulfur content not to exceed 0.5 percent by weight.

b. Halawa Location

At the Halawa location the 655 kW DEG shall be used as an emergency back-up generator and used only during power outages and regular maintenance with the following hour limitations:

- 1) 12 hrs/day; and
- 2) 2,080 hours in any rolling twelve (12) month period

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

3. Baghouse

a. The pressure drop of the baghouse shall be maintained between 1 to 8 inches H₂O.

b. The baghouse shall be utilized at all times during operation of the hot drum mix asphalt plant .

c. The permittee shall follow a regular maintenance schedule as recommended by the manufacturer to ensure proper operation of the baghouse.

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

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

4. Fugitive 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 stockpile bunkers. The Department of Health at any time may require the permittee to further abate fugitive dust emissions if an inspection indicates poor or insufficient control.
- b. The permittee shall not cause or permit fugitive dust to become airborne without taking reasonable precautions and shall not cause 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, §11-60.1-5, §11-60.1-33, §11-60.1-90)

5. Specification (Spec) Used Oil

- a. The total spec used oil usage shall not exceed 100,000 gallons in any rolling 12-month period.
- b. 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.
- c. 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.
- d. The used oil shall be obtained only from Unitek Solvent Services, Inc.; Pacific Environmental Corporation; and sources within Grace Pacific Corporation. Used oil may 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.

- e. Samples of the used oil generated from the facility shall be taken from the holding tanks or drums, and composited and analyzed for compliance with the limits in Special Condition No. C.5.i. prior to being emptied into the spec used oil 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 5,000 gallons of used oil or all of the used oil collected in any three (3) month period, whichever is less.
- f. Each composite sample shall be submitted in a timely manner to a qualified laboratory and an analysis obtained for the constituents/properties for which limits are given in Special Condition No. C.5.i.
- g. Analysis reports shall be obtained for the constituents/properties for which limits are given in Special Condition No. C.5.i. for all deliveries of spec used oil.
- h. 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.
- i. The following constituents/properties of the spec used oil shall not exceed the specified units 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 Halogens | 1000 ppm maximum |
| Sulfur | 0.5% maximum by weight |
| Flash Point | 100°F minimum |
| Polychlorinated Biphenyls (PCB) | <2 ppm |

- j. 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 IIA, Special Condition No. C.5.i. is allowable only for used oil that were not deemed hazardous.

(Auth.: HAR §11-60.1-3, §11-60.1-11, §11-60.1-90, §11-60.1-140, 40 CFR §279.11)

6. Cooking Oil

- a. The Department of Health, at any time, may require the permittee to conduct an analysis for the constituents/properties of the cooking oil and establish limits to ensure compliance with any state or federal requirements.

- b. The Department of Health reserves the right to impose additional operational controls and restrictions to abate odors if a site evaluation indicates controls and/or restrictions are necessary for the burning of cooking oil.

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

7. Location Change

- 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.
- b. Subsequent location changes of the 186 tph hot drum mix asphalt plant shall be in accordance with Section H. 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)

Section D. Emission Limitations

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

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

2. For any six (6) minute averaging period, the drum mixer/baghouse and DEG shall not exhibit visible emissions of twenty (20) percent or greater, except as follows: during start-up, shutdown, or equipment breakdown, the drum mixer/baghouse and DEG may exhibit visible emissions greater than twenty (20) but not exceeding sixty (60) percent opacity for a period aggregating not more than six minutes in any sixty (60) minutes.

(Auth.: HAR §11-60.1-3, §11-60.1-32, §11-60.1-90; 40 CFR §60.92; SIP §11-60-24)^{1,2}

Section E. Monitoring and Recordkeeping

1. Fuel Monitoring and Recordkeeping

The permittee shall keep invoices of all fuel deliveries for the DEG and drum mixer identifying the delivery dates and the type and amount of fuel received. Include with the records copies of the supplier's certificate of analysis showing the sulfur content of the fuel delivered.

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

2. Asphalt Production

The permittee shall record the raw material input by a belt scale located before the drum mixer. The raw material input records shall be maintained daily for the drum mixer in accordance with *Annual Emissions Report Form: Asphalt Plant Production*.

(Auth.: HAR §11-60.1-3, §11-60.1-90)

3. Hours of Operation

The permittee shall operate and maintain non-resetting hour meters on the drum mixer and DEG. The hour meter for the drum mixer will permanently record the total hours of plant operation. Monthly records shall be kept of the beginning meter readings and the total hours of operation. Monthly operational summaries shall include the total operational hours of that month and the total hours of operation based on a rolling twelve (12) month basis.

(Auth.: HAR §11-60.1-3, §11-60.1-90)

4. Baghouse Operating Pressure

The permittee shall record the pressure drop (in inches H₂O) across the baghouse on a daily basis.

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

5. Inspection, Maintenance, and Repair Log

The permittee shall maintain records on inspections, maintenance, and any repair work (including bag(s) replacement) conducted on the baghouse. At a minimum, these records shall include: the date of the inspection; name and signature of inspector; a short description of the action and/or any such repair work; and a description of the part(s) inspected or repaired.

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

6. Visible Emissions (V.E.)

a. The permittee shall conduct **monthly** (*calendar month*) V.E. observations for each equipment subject to opacity limits in accordance with Method 9 or by use of a Ringelmann Chart as provided. For each period, two (2) consecutive observations shall be taken at fifteen (15) second intervals for six (6) minutes for each equipment. Records shall be completed and maintained in accordance with the *Visible Emissions Form Requirements*.

- b. The permittee shall conduct **annually** (*calendar year*) V.E. observations for the DEG by a certified reader in accordance with Method 9. For each period, two (2) consecutive observations shall be taken at fifteen (15) second intervals for six (6) minutes for each equipment. Records shall be completed and maintained in accordance with the *Visible Emissions Form Requirements*.
- c. The annual source performance test covered in Section G will satisfy **Monthly** V.E. observations for the drum mixer/baghouse stack for the month the source performance test was conducted.
- d. Upon written request and justification by the permittee, the Department of Health may waive the requirement for a specific annual V.E. observation for the DEG. The waiver request is to be submitted prior to the required test and must include documentation justifying such action. Documentation should include, but is not limited to, the results of the prior tests indicating compliance by a wide margin, documentation of continuing compliance, and further that operations of the source have not changed since the previous source test.

Please note that the waiving of an annual (Method 9) V.E. observation does not absolve the permittee from any monthly (Method 9 or Ringelmann Chart) V.E. requirements. Monthly V.E. observations should still be performed in accordance with Special Condition No. E.6.a.

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

7. Records

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

(Auth.: HAR §11-60.1-3, §11-60.1-5, §11-60.1-11, §11-60.1-90, SIP §11-60-15)²

Section F. Notification and Reporting Requirements

1. 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 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. Deviations

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

- 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.

- 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. Monitoring

The permittee shall submit, **semi-annually**, the attached *Monitoring Report Forms: Operating Hours; Fuel Certification; Spec Used Oil; and Visible Emissions* to the Department of Health. The monitoring report shall be submitted **within sixty (60) days after the end of each semi-annual calendar period** (January 1 to June 30 and July 1 to December 31), and shall be signed and dated by a responsible official.

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

5. Annual Emissions

- a. As required by *Attachment IV: Annual Emissions Reporting Requirements* and in conjunction with the requirements of *Attachment III: Annual Fee Requirements*, the permittee shall report **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 enclosed *Annual Emissions Report Form: Asphalt Plant Production*, shall be signed and dated by a responsible official; and submitted.
- b. 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 G. Testing Requirements

1. The permittee shall conduct or cause to be conducted **annual performance tests** on the exhaust stack of the drum mixer/baghouse. Performance tests shall be conducted for particulate matter (PM) and opacity.

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

2. Performance tests for the emissions of PM 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 shall be used:
 - a. Performance tests for the emissions of particulate matter shall be conducted using 40 CFR Part 60 Appendix A, 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 Appendix A, Method 9.

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

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 §11-60.1-11, §11-60.1-90, 40 CFR 60 Subpart I)¹

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 §11-60.1-11, §11-60.1-90, 40 CFR 60 Subpart I)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/hour 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 §11-60.1-11, §11-60.1-90, 40 CFR 60 Subpart I)¹

6. The performance test for the emissions of particulate matter and opacity shall consist of three (3) separate one (1) hour 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 H₂O, 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 §11-60.1-5, §11-60.1-11, §11-60.1-90, 40 CFR 60 Subpart I)¹

7. 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 describes the test duration, test locations, test methods, source operation and other parameters that may affect test results. Such a plan shall conform to U.S. EPA guidelines including quality assurance procedures. A test plan or quality assurance plan that does not have the approval of the Department of Health may be grounds to invalidate any test and require a retest.

(Auth.: HAR §11-60.1-3, §11-60.1-5, §11-60.1-11, §11-60.1-90, 40 CFR 60 Subpart I)¹

8. 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 hot drum mix 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)

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)

10. 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 of the hot drum mix asphalt plant at the time of the test, the analysis of the fuel oil, the summarized test results, and other pertinent field and laboratory data.

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

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

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

Section H. Change of Location Requirements

1. The permittee shall complete and submit information for 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 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. Location map of the new temporary location containing the following information:
 - 1) Identification of the property and fence lines;
 - 2) 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; and
 - 3) List of equipment and sketch of plant configuration.
- d. Projected dates of operation at the new location;
- e. 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;
- f. Any other air pollution sources owned and operated by the permittee at the new location; and
- g. Any additional information as requested by the Department of Health.

(Auth.: HAR §11-60.1-3, §11-60.1-5, §11-60.1-90, §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. The operation of the stone processing facility shall be temporary and involve at least one change in location during the term of this temporary covered source permit. If the stone processing facility remains in any one location for longer than twelve consecutive months, the Department of Health may request an ambient air quality 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 above shall be submitted to the Department of Health using the attached form, "*Change of Location Request for a Temporary Source.*"

(Auth.: HAR §11-60.1-3, §11-60.1-91)

Section I. Agency Notification

Any document (including reports) required to be submitted by this permit shall be done in accordance with Attachment I, Standard Condition 29.

(Auth.: HAR §11-60.1-4, §11-60.1-90)

¹ The citation 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 citation 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 III: ANNUAL FEE REQUIREMENTS TEMPORARY COVERED SOURCE PERMIT NO. 0036-01-CT

[Issuance Date]

[Expiration Date]

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

1. Annual fees shall be paid in full:
 - a. **Within sixty (60) days** after the end of each calendar year; and
 - b. **Within thirty (30) days** after the permanent discontinuance of the covered source.
2. The annual fees shall be determined and submitted in accordance with Hawaii Administrative Rules, Chapter 11-60.1, Subchapter 6.
3. The annual emissions data for which the annual fees are based shall accompany the submittal of any annual fees and 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
TEMPORARY COVERED SOURCE PERMIT NO. 0036-01-CT**

[Issuance Date]

[Expiration Date]

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

1. Complete the attached **Annual Emissions Report Form: Asphalt Plant Production**. To satisfy the requirement of annual emissions reporting for the hot drum mix asphalt plant and DEG.
2. The **annual reporting period** shall be from January 1 to December 31 of each year. Annual reports shall be submitted to the Department of Health **within sixty (60) days** after the end of each calendar year. All reports 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 Director of Health and clearly identifying the specific information that is to be accorded confidential treatment.

PROPOSED

**COMPLIANCE CERTIFICATION FORM
TEMPORARY COVERED SOURCE PERMIT NO. 0036-01-CT**

[Issuance Date]

[Expiration Date]

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

(Make Copies for Future Use)

For Period: _____ Date: _____

Facility Name: _____

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

Responsible Official (PRINT): _____

TITLE: _____

Responsible Official (Signature): _____

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

1. Current permit number: _____

2. Emissions Unit No./Description: _____

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

4. Compliance status during the reporting period:

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

YES NO

b. If YES, was compliance continuous or intermittent?

Continuous Intermittent

**COMPLIANCE CERTIFICATION FORM
TEMPORARY COVERED SOURCE PERMIT NO. 0036-01-CT
(CONTINUED, PAGE 2 OF 2)**

[Issuance Date]

[Expiration Date]

c. If NO, explain.

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

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

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

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

YES NO

b. If YES, identify those requirements:

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

**ANNUAL EMISSIONS REPORT FORM
 ASPHALT PLANT PRODUCTION
 TEMPORARY COVERED SOURCE PERMIT NO. 0036-01-CT
 (PAGE 1 OF 2)**

[Issuance Date]

[Expiration Date]

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

(Make Copies for Future Use)

For Period: _____ Date: _____

Facility Name: _____

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

Responsible Official (PRINT): _____

TITLE: _____

Responsible Official (Signature): _____

Equipment Location: _____

Serial/ID No.: _____

Asphalt Plant Type: _____ Rated Capacity (specify units): _____

Dryer-Drum

| Equipment ¹ | Type of fuel ² | Fuel usage gallons per year | % Sulfur content by weight | Notes |
|------------------------|---------------------------|-----------------------------|----------------------------|-------|
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

¹ Equipment: List all fuel burning equipment associated with the asphalt plant. For example, DEGs, hot oil heaters, etc.

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

| Type of Air Pollution Control | In Use? | Pollutant Controlled | % Reduction |
|-------------------------------|-----------|----------------------|-------------|
| | Yes or No | | |
| | Yes or No | | |
| | Yes or No | | |

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

PROPOSED

**ANNUAL EMISSIONS REPORT FORM
ASPHALT PLANT PRODUCTION
TEMPORARY COVERED SOURCE PERMIT NO. 0036-01-CT
(CONTINUED, PAGE 2 OF 2)**

| MONTH | AVERAGE PRODUCTION RATE (ton/hr) | TOTAL MONTHLY PRODUCTION (tons/month) | NOTES |
|--------------|---|--|--------------|
| January | | | |
| February | | | |
| March | | | |
| April | | | |
| May | | | |
| June | | | |
| July | | | |
| August | | | |
| September | | | |
| October | | | |
| November | | | |
| December | | | |
| TOTAL | | | |

PROPOSED

**MONITORING REPORT FORM
OPERATING HOURS
TEMPORARY COVERED SOURCE PERMIT NO. 0036-01-CT**

[Issuance Date]

[Expiration Date]

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

(Make Copies for Future Use)

For Period: _____ Date: _____

Facility Name: _____

Equipment Location: _____

Equipment Description: 186 tph Astec Industries drum mixer

Serial/ID No.: model no. PDM-636-C, ID No. 85-172

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): _____

| MONTH | MONTHLY OPERATING HOURS | ROLLING 12-MONTH TOTAL HOURS | NOTES |
|--------------|-------------------------|------------------------------|-------|
| January | | | |
| February | | | |
| March | | | |
| April | | | |
| May | | | |
| June | | | |
| July | | | |
| August | | | |
| September | | | |
| October | | | |
| November | | | |
| December | | | |
| TOTAL | | n/a | |

PROPOSED

**MONITORING REPORT FORM
OPERATING HOURS
TEMPORARY COVERED SOURCE PERMIT NO. 0036-01-CT**

[Issuance Date]

[Expiration Date]

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

(Make Copies for Future Use)

For Period: _____ Date: _____

Facility Name: _____

Equipment Location: _____

Equipment Description: 655 kW Detroit diesel engine generator

Serial/ID No.: model no. DDC 655, serial no. 16 VA 019208

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): _____

| MONTH | MONTHLY OPERATING HOURS | ROLLING 12-MONTH TOTAL HOURS | NOTES |
|--------------|-------------------------|------------------------------|-------|
| January | | | |
| February | | | |
| March | | | |
| April | | | |
| May | | | |
| June | | | |
| July | | | |
| August | | | |
| September | | | |
| October | | | |
| November | | | |
| December | | | |
| TOTAL | | n/a | |

**MONITORING REPORT FORM
FUEL CERTIFICATION
TEMPORARY COVERED SOURCE PERMIT NO. 0036-01-CT**

[Issuance Date]

[Expiration Date]

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

(Make Copies for Future Use)

For Period: _____ Date: _____

Facility Name: _____

Equipment Location: _____

Equipment Description: _____

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

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): _____

Fuel Certification:

Report the maximum weight percent sulfur in the fuel oil no. 2 during the reporting period for which this certification is required. _____ %

**MONITORING REPORT FORM
SPEC USED OIL
TEMPORARY COVERED SOURCE PERMIT NO. 0036-01-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 following information, semi-annually:

(Make Copies for Future Use)

For Period: _____ Date: _____

Facility Name: _____

Equipment Location: _____

Equipment Description: _____

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

Serial/ID No.: _____

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

Responsible Official (PRINT): _____

TITLE: _____

Responsible Official (Signature): _____

| MONTH | MONTHLY FUEL CONSUMPTION (GAL) | ROLLING 12 MONTH TOTAL (GAL) | NOTES |
|-----------|--------------------------------|------------------------------|-------|
| January | | | |
| February | | | |
| March | | | |
| April | | | |
| May | | | |
| June | | | |
| July | | | |
| August | | | |
| September | | | |
| October | | | |
| November | | | |
| December | | | |

**MONITORING REPORT FORM
SPEC USED OIL
TEMPORARY COVERED SOURCE PERMIT NO. 0036-01-CT
(CONTINUED, PAGE 2 OF 2)**

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

Did any of the used oil analyses indicate exceedances of the permitted limits: YES NO

If Yes, indicate the number of exceedances: _____

Indicate the highest of the used oil analyses results received/performed:

| <u>Constituent/Property</u> | <u>Highest 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 |
| Beryllium | _____ ppm by weight |

PROPOSED

VISIBLE EMISSIONS FORM REQUIREMENTS STATE OF HAWAII

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

1. Visible emissions observations shall take place during the day only and shall be compared to the Ringelmann Chart provided. The opacity shall be noted in 5 percent increments (i.e., 25%).
2. Orient the sun within a 140 degree sector to your back. Provide a source layout sketch on the V.E. Form using the symbols as shown.
3. Stand at least three (3) stack heights, but not more than a quarter mile from the stack.
4. Two (2) observations shall be taken at fifteen (15) second intervals for six (6) consecutive minutes for each equipment.
5. The six (6) minute average opacity reading shall be calculated for each observation.
6. If possible, the observations shall be performed as follows:
 - a. Read from where the line of sight is at right angles to the wind direction.
 - b. The line of sight shall not include more than one (1) plume at a time.
 - c. Read at the point in the plume with the greatest opacity (without condensed water vapor), ideally while the plume is no wider than the stack diameter.
 - d. Read the plume at fifteen (15) second intervals only. Do not read continuously.
 - e. The equipment shall be operating at maximum permitted capacity.
7. If the equipment was shut-down for that period, briefly explain the reason for shut-down in the comment column.

The permittee shall retain the completed V.E. Forms for recordkeeping. These records shall be in a permanent form suitable for inspection, retained for a minimum of five (5) years, and made available to the Department of Health, or their representative upon request.

**VISIBLE EMISSIONS FORM
STATE OF HAWAII**

(Make Copies for Future Use For Each Equipment)

Permit No.: 0036-01-CT

Company Name: _____

Equipment and Fuel: _____

Site Conditions:

Stack height above ground (ft): _____

Stack distance from observer (ft): _____

Emission color (black or white): _____

Sky conditions (% cloud cover): _____

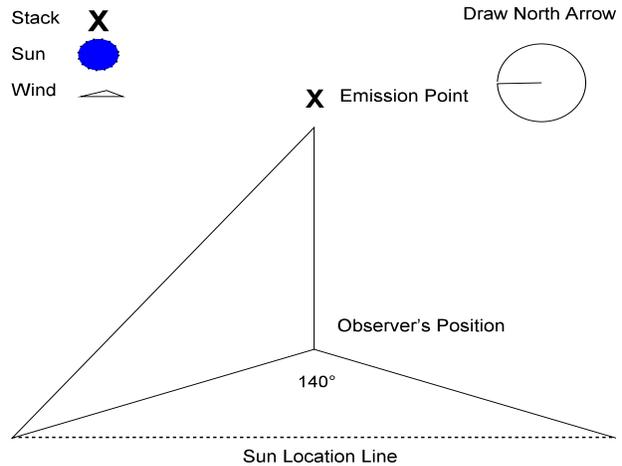
Wind speed (mph): _____

Temperature (°F): _____

Observer Name: _____

Certified? (Yes/No): _____

Observation Date and Start Time: _____



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

Observation Date and Start Time: _____

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

**CHANGE OF LOCATION REQUEST
FOR A TEMPORARY SOURCE
TEMPORARY COVERED SOURCE PERMIT NO. 0036-01-CT**

[Issuance Date]

[Expiration Date]

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

(Make Copies for Future Use)

1. The permittee shall complete this Change of Location Request Form regarding all succeeding location changes and shall submit this form to the Director for approval at least thirty (30) days, or such lesser time as designated and approved by the Department of Health, prior to the change in location.
2. The permittee shall submit a Location map of the new temporary location containing the following information:
 - a. Identification of the property/fence lines.
 - b. 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.
3. The permittee shall submit a filing fee with each change in location request. The filing fee shall be made payable to the **Clean Air Special Fund - Cov**, \$100.00 for Non-Toxic Covered Sources.
4. The permittee shall submit any additional information as requested by the Department of Health.
5. This Notification Form shall be mailed to the following address:

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

(808) 586-4200

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

**CHANGE OF LOCATION REQUEST
FOR A TEMPORARY SOURCE**

1. Company Name: _____
2. Facility Name (if different from the Company): _____
3. Mailing Address: _____
City: _____ State: _____ Zip Code: _____
Phone Number: _____
4. Name of Owner/Owner's Agent: _____
Title: _____ Phone: _____
5. Equipment Description: _____
6. Current Equipment Location: _____
7. **New Equipment Location:** _____
 - a. Plant site manager or other contact, if different than current contact:

 - b. Phone Number: _____
 - c. Proposed start date at *New Location*: _____
 - d. Estimated project duration: _____
8. Brief description of the work to be performed. Also identify other air pollution sources owned and operated by the permittee at the new location, if any.:

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

Responsible Official (Print name): _____ Date: _____
Title of Responsible Official: _____
Responsible Official (Signature): _____