

**PROPOSED**

date

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

08-E CAB  
File No. 0542-03

Mr. John Romanowski  
Vice President  
Jas. W. Glover, Ltd.  
P. O. Box 579  
Honolulu, Hawaii 96809

Dear Mr. Romanowski:

**Subject: Temporary Covered Source Permit (CSP) No. 0542-01-CT  
Renewal Application No. 0542-03  
Jas. W. Glover, Ltd.  
300 TPH Portable Drum Mix Asphalt Plant  
Located at: Various Temporary Sites, State of Hawaii  
Current Location: North Kona (Parker Ranch Lands), Waimea, Island of Hawaii  
Date of Expiration:**

The subject covered source permit is issued in accordance with Hawaii Administrative Rules, Title 11, Chapter 60.1. The issuance of this permit is based on the plans, specifications, and information that you submitted as part your application received on January 28, 2008.

This covered source permit supersedes in its entirety CSP 0542-01-CT issued on January 30, 2004.

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

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

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Mr. John Romanowski  
date  
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The following forms are enclosed for your use and submittal as required:

- Compliance Certification Form
- Change of Location Request for a Temporary Source
- Monitoring/Annual Emissions Report Form: Asphalt Drum Mixer
- Monitoring/Annual Emissions Report Form: Diesel Engine Generator Fuel Consumption & Certification
- Monitoring/Annual Emissions Report Form: Hot Oil Heater Fuel Consumption & Certification
- Monitoring Report Form: Visible Emissions

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

- Visible Emissions Form Requirements
- Visible Emissions Form
- The Ringelmann Chart

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

Sincerely,

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

PR:nn  
Enclosures

c: Wendell Sano, EHS - Hawaii  
CAB Monitoring Section

**ATTACHMENT I: STANDARD CONDITIONS  
TEMPORARY COVERED SOURCE PERMIT NO. 0542-01-CT**

**Issuance Date:**

**Expiration Date:**

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

1. Unless specifically identified, the terms and conditions contained in this permit are consistent with the applicable requirement, including form, on which each term or condition is based.  
  
(Auth.: HAR §11-60.1-90)
2. This permit, or a copy thereof, shall be maintained at or near the source and shall be made available for inspection upon request. The permit shall not be willfully defaced, altered, forged, counterfeited, or falsified.  
  
(Auth.: HAR §11-60.1-6; SIP §11-60-11)<sup>2</sup>
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)<sup>2</sup>
4. A request for transfer from person to person shall be made on forms furnished by the Department of Health.  
  
(Auth.: HAR §11-60.1-7)
5. In the event of any changes in control or ownership of the facilities to be constructed or modified, this permit shall be binding on all subsequent owners and operators. The permittee shall notify the succeeding owner and operator of the existence of this permit and its conditions by letter, copies of which will be forwarded to the Department of Health and the U.S. Environmental Protection Agency (EPA), Region 9.  
  
(Auth.: HAR §11-60.1-5, §11-60.1-7, §11-60.1-94)
6. The facility covered by this permit shall be constructed and operated in accordance with the application, and any information submitted as part of the application, for the Covered Source Permit. There shall be no deviation unless additional or revised plans are submitted to and approved by the Department of Health, and the permit is amended to allow such deviation.  
  
(Auth.: HAR §11-60.1-2, §11-60.1-4, §11-60.1-82, §11-60.1-84, §11-60.1-90)
7. This permit (a) does not release the permittee from compliance with other applicable statutes of the State of Hawaii, or with applicable local laws, regulations, or ordinances, and

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

(Auth.: HAR §11-60.1-5, §11-60.1-82)

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

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

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

(Auth.: HAR §11-60.1-90)

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

(Auth.: HAR §11-60.1-90)

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

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

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

(Auth.: HAR §11-60.1-90)

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

(Auth.: HAR §11-60.1-90)

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

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

(Auth.: HAR §11-60.1-90)

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

(Auth.: HAR §11-60.1-14, §11-60.1-90)

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

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

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

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

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

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

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

(Auth.: HAR §11-60.1-16; SIP §11-60-16)<sup>2</sup>

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

(Auth.: HAR §11-60.1-14, §11-60.1-90)

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

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

(Auth.: HAR §11-60.1-9, §11-60.1-90)

20. The Department of Health may extend the time periods specified in Standard Condition

No. 19 upon a satisfactory showing that an extension is justified. Requests for an extension shall be submitted in writing to the Department of Health.

(Auth.: HAR §11-60.1-9, §11-60.1-90)

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

(Auth.: HAR §11-60.1-90)

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

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

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

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

(Auth.: HAR §11-60.1-11, §11-60.1-90)

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

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

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

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

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

(Auth.: HAR §11-60.1-93)

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

(Auth.: HAR §11-60.1-90)

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

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

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

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

(Auth.: HAR §11-60.1-4, §11-60.1-90)

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

(Auth.: HAR §11-60.1-5, §11-60.1-90)

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<sup>1</sup>The citations to the Code of Federal Regulations (CFR) identified under a particular condition, indicate that the

**CSP No. 0542-01-CT**

**Attachment I**

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**Issuance Date:**

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permit condition complies with the specified provision(s) of the CFR. Due to the integration of the preconstruction and operating permit requirements, permit conditions may incorporate more stringent requirements than those set forth in the CFR.

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

**ATTACHMENT II: SPECIAL CONDITIONS  
TEMPORARY COVERED SOURCE PERMIT NO. 0542-01-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. The 300 TPH Portable Asphalt Plant encompasses the following equipment and associated appurtenances:

- a. One (1) 300 TPH CMI double barrel counterflow drum mixer, model no. PTD-300, serial no. 145 with Hauck Eco-Star II burner;
- b. One (1) 1085 BHP Cummins diesel engine generator, model no. QST30-G2, serial no. 37208737;
- c. One (1) CMI Rotoaire baghouse, model no. RA318P, serial no. RA318PTD0233, servicing the drum mixer;
- d. One (1) CMI hot oil heater, model no. CEI-2000, serial no. CO3-056;
- e. One (1) CMI 4' x 10' scalping screen model no. PC-30X47, serial no. 337;
- f. One(1) 300 TPH lime feeder system, consisting of:
  - i. CMI pugmill and water tank, model no. PMS303530, serial no. 117;
  - ii. CMI silo, model no. MFS-350PSE, serial no. 108; and
  - iii. CMI baghouse, model no. PJ-159;
- g. One (1) CMI portable 10' x 14' aggregate bin, model no. PAB-432, serial no. 233;
- h. Asphalt storage silos; and
- i. Various conveyor belts.

(Auth.: HAR §11-60.1-3)

2. An identification tag or name plate shall be displayed on the drum mixer, diesel engine generator, baghouse servicing the drum mixer, hot oil heater, scalping screen, RAP crusher, and lime feeder system listed above to show the applicable manufacturer, model no., and serial no. The identification tag or name plate shall be permanently attached to the equipment in a conspicuous location.

(Auth.: HAR §11-60.1-5)

**Section B. Applicable Federal Regulations**

1. The 300 TPH Portable Asphalt Plant is subject to the provisions of the following federal regulations:

- a. 40 CFR Part 60, Standards of Performance for New Stationary Sources, Subpart A,

General Provisions; and

- b. 40 CFR Part 60, Standards of Performance for New Stationary Sources, Subpart I, Standards of Performance for Hot Mix Asphalt Facilities.

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

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)<sup>1</sup>

### **Section C. Emission Limits**

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

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

2. For any six (6) minute averaging period, the 1085 HP diesel engine generator, hot oil heater, and baghouses servicing the drum-mixer and lime feeder system shall not exhibit visible emissions of twenty (20) percent or greater, except as follows: during startup, shutdown, or equipment breakdown, the aforementioned equipment may exhibit visible emissions greater than twenty (20) but not exceeding sixty (60) percent opacity for a period aggregating not more than six (6) minutes in any sixty (60) minute period.

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

### **Section D. Operational Limits**

1. Drum Mixer
  - a. The drum mixer shall only be fired on fuel oil no. 2 with a maximum sulfur content of 0.5% by weight, specification used oil meeting requirements of Special Condition D.2, or any combination thereof.
  - b. Total fuel usage for the drum mixer shall not exceed 2,142,000 gallons in any rolling 12-month period.
2. Specification (Spec) 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 spec used oil shall only be obtained from Unitek Solvent Services, Inc. Spec used oil may be obtained from other sources, provided written notification identifying the new source is submitted to the Department, and approved, prior to the acceptance of the spec used oil.
- d. This permit does not authorize the permittee to burn hazardous waste or off-spec used oil. The permittee shall not burn the used oil if declared or determined to be a hazardous waste or off-spec used oil.
- e. An analysis report for each delivery of spec used oil shall be obtained for the constituents/properties for which limits are provided in Special Condition D.2.f of this attachment.
- f. The following constituents/properties of the spec used oil shall not exceed the limits listed below:

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

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

3. Diesel Engine Generator

- a. The 1085 BHP diesel engine generator shall only be fired on fuel oil no. 2 with a maximum sulfur content of 0.5% by weight.
- b. Fuel usage for the 1085 BHP diesel engine generator shall not exceed 159,000 gallons in any rolling twelve (12) month period.

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

4. Baghouse Servicing Drum Mixer

a. The baghouse servicing the drum-mixer shall be used at all times during drum mixer operation. The permittee shall not operate the drum mixer if a problem affecting the baghouse control efficiency is observed at any time. The permittee shall investigate and correct the problem before resuming operation.

b. The baghouse pressure drop shall be maintained within the range of 2 to 7 inches of water.

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

5. Hot Oil Heater

a. The hot oil heater shall only be fired on fuel oil no. 2 with a maximum sulfur content of 0.5% by weight.

b. Fuel usage for the hot oil heater shall not exceed 60,000 gallons in any rolling twelve (12) month period.

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

6. Plant Maintenance

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

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

7. Fugitive Dust Controls

a. The permittee shall take measures to control and minimize fugitive dust (e.g., wet suppression, enclosures, dust screens, etc.) at the material transfer points, screens, stockpiles, plant roads, and throughout the facility. The Department of Health may at any time require the permittee to further abate fugitive dust emissions if an inspection indicates poor or insufficient control. The following measures shall be used by the permittee to control fugitive dust:

i. Water sprays shall be installed, maintained, and used as necessary during plant operation to minimize fugitive dust at the aggregate screen and material transfer points.

ii. A water spray system and/or an on-site water truck shall be maintained and used

as necessary on the facility grounds to minimize fugitive dust from roads and storage piles.

- b. The Department of Health may, at any time, require additional water sprays, manual water spraying, and/or enclosures at appropriate locations if an inspection indicates more control of fugitive dust is needed.
- c. The permittee shall take reasonable precautions to prevent fugitive dust from becoming airborne and shall not cause or permit the discharge of visible emissions of fugitive dust beyond the lot line of the property boundary on which the emissions originate.

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

8. Alternate Operating Scenario

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

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

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

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

9. Location Change

The operation of the equipment covered by this temporary covered source permit shall involve at least one location change during the term of this permit. Subsequent location changes of the 300 TPH Portable Asphalt Plant shall be in accordance with Section H of this attachment. 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 E. Monitoring and Recordkeeping Requirements**

1. Records

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

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

2. Asphalt Concrete Production

The permittee shall maintain records on the tons of asphalt concrete produced each month and each calendar year for use in determining annual emissions. Production print-outs and receipts shall be maintained to substantiate daily and monthly production rates.

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

3. Fuel Consumption

- a. The permittee shall operate, and maintain a non-resetting fuel meter on the **drum mixer** to permanently record its fuel consumption. The type of fuel and the meter reading at the beginning of each month shall be recorded to determine the fuel consumed per month and per rolling 12-month period in order to determine compliance with Special Condition D.1.b of this attachment.
- b. The permittee shall operate, and maintain a non-resetting fuel meter on the **diesel engine generator** to permanently record its fuel consumption. The meter reading at the beginning of each month shall be recorded to determine the fuel consumed per month and per rolling 12-month period in order to determine compliance with Special Condition D.3.b of this attachment.
- c. The permittee shall install, operate, and maintain a non-resetting fuel meter on the **hot oil heater** to permanently record its fuel consumption. The meter reading at the beginning of each month shall be recorded to determine the fuel consumed per month and per rolling 12-month period in order to determine compliance with Special Condition D.5.b. of this attachment.

(Auth.: HAR §11-60.1-3, §11-60.1-90)

4. Fuel Certification

The following records shall be maintained for each type of fuel consumed by the drum mixer, diesel engine generator, and the hot oil heater:

- a. Fuel purchase receipts showing the fuel type, sulfur content (percent by weight) of the fuel, delivery date, and amount of fuel (gallons) delivered to the facility for the drum mixer, diesel engine generator, and the hot oil heater;
- b. Supplier's fuel specification sheet showing sulfur content (% by weight) of fuel oil no. 2 and spec used oil if fuel purchase receipts do not indicate the sulfur content;
- c. At a minimum, for each batch of spec used oil received, the permittee shall maintain records of the delivery date, the quantity of spec used oil received, the supplier's name and address, and the results of the spec used oil analysis to determine compliance with Special Condition D.2.f of this attachment.

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

5. Baghouse

- a. A pressure drop gauge shall be installed and maintained on the baghouse servicing the drum mixer to measure the pressure drop across the baghouse.
- b. The permittee shall record the baghouse pressure drop on a daily basis.

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

#### 6. Water Spray System

- a. A water pressure gauge or flow meter shall be installed, operated, and maintained to establish and monitor normal operating pressure (in psi) and/or flow rate (in gpm) of the water spray system.
- b. The water spray system, including the water pump, piping system, spray nozzles and any gauges, as discussed above, shall be checked routinely or at least once a month to ensure proper operation of the water spray system.

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

#### 7. Inspection, Maintenance, and Repair Log

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

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

(Auth.: HAR §11-60.1-3, §11-60.1-90)

#### 8. Visible Emissions (V.E.)

- a. Monthly V.E. Observations
  - i. Each month, two (2) consecutive sets of observations shall be taken at each of the observed emission points. Each set shall last six minutes in duration and consist of twenty-four (24) readings taken at fifteen (15) second intervals. Records shall be completed and maintained in accordance with the enclosed *Visible Emissions Observation Form Requirements*.

- ii. Monthly observations shall be performed in accordance with Method 9 or using the Ringelmann Chart provided.

b. Annual V.E. Observations

- i. Annual V.E. observations shall be conducted by a certified reader in accordance with Method 9. Each set shall last six minutes in duration and consist of twenty-four (24) readings taken at fifteen (15) second intervals. Records shall be completed and maintained in accordance with the enclosed *Visible Emissions Observation Form Requirements*.
- ii. 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 must be submitted prior to the required annual V.E. observation and must include documentation justifying such action. Documentation should include the results of 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.

c. Drum Mixer

Except in those months where a performance test is conducted for the drum mixer pursuant to Section G of this attachment, **monthly** (*calendar month*) V.E. observations of the drum mixer emission point shall be performed in accordance with Special Condition E.8.a of this attachment.

d. Diesel Engine Generator and Hot Oil Heater

- i. Except in those months where an annual V.E. observation is conducted by a certified reader, **monthly** (*calendar month*) V.E. observations of the diesel engine generator and hot oil heater emission points shall be performed in accordance with Special Condition E.8.a of this attachment.
- ii. **Annual** (*calendar year*) V.E. observations for the diesel engine generator and hot oil heater shall be performed in accordance with Special Condition E.8.b. of this attachment.

9. Performance Test

- a. Annual source performance tests shall be conducted pursuant to Section G of this attachment.
- b. The permittee shall maintain records on source performance test plans, summaries, and test results for the 300 TPH Portable Asphalt Plant.

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

**Section F. Notification and Reporting Requirements**

1. Standard Conditions Reporting

Notification and reporting requirements pertaining to the following events shall be done in accordance with Attachment I, Standard Conditions 14, 16, 17 and 24, respectively:

- a. Anticipated date of initial start-up, actual date of construction commencement, and actual date of start-up of the lime feeder system;
- 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)<sup>2</sup>

2. Reporting Deviations

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

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

3. Compliance Certification

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

- iv. The methods used for determining the compliance status of the source currently and over the reporting period;
  - v. Any additional information indicating the source's compliance status with any applicable enhanced monitoring and compliance certification including the requirements of Section 114(a)(3) of the Clean Air Act or any applicable monitoring and analysis provisions of Section 504(b) of the Clean Air Act; and
  - vi. Any additional information as required by the Department of Health including information to determine compliance.
- b. The compliance certification shall be submitted **within ninety (90) days after** the end of each calendar year, and shall be signed and dated by a responsible official.
  - c. Upon written request of the permittee, the deadline for submitting the compliance certification may be extended, if the Department of Health determines that reasonable justification exists for the extension.

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

#### 4. Performance Test

- a. At least **thirty (30) days prior** to *conducting a source performance test* pursuant to Section G of this attachment, the permittee shall submit a test plan to the Department of Health in accordance with Special Condition G.6 of this attachment.

(Auth.: HAR §11-60.1-3, §11-60.1-11, §11-60.1-90; 40 CFR 60.8, SIP §11-60-15)<sup>1, 2</sup>

- b. Written reports of the results of the source performance test shall be submitted to the Department of Health **within sixty (60) days after the completion of the performance test**, in accordance with Special Condition G.9 of this attachment.

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

#### 5. Monitoring Reports

- a. The permittee shall submit **semi-annually** the following reports to the Department of Health:
  - i. Monitoring/Annual Emissions Report Form: Asphalt Drum Mixer
  - ii. Monitoring/Annual Emissions Report Form: Diesel Engine Generator Fuel Consumption and Certification
  - iii. Monitoring/Annual Emissions Report Form: Hot Oil Heater Fuel Consumption and Certification
  - iv. Monitoring Report Form: Visible Emissions
- b. The reports shall be submitted **within sixty (60) days after the end of each**

*semi-annual calendar period (January 1 - June 30 and July 1 - December 31) and shall include the following:*

- i. Total asphalt concrete production on a monthly and annual basis;
- ii. Fuel type and number of gallons of each fuel fired in the drum mixer, diesel engine generator, and hot oil heater during the applicable reporting period. Include the maximum sulfur content (percent by weight) and maximum results for each of the constituents or properties of spec used oil tested for compliance with Special Condition D.2.f of this attachment except for flash point for which the minimum value shall be recorded.
- iii. Any opacity exceedances determined during the required V.E. monitoring. Each exceedance reported shall include the date of the exceedance, six (6) minute average opacity reading, possible reasons for the exceedance, duration of exceedance, and corrective actions taken. If there were no exceedances, the permittee shall submit in writing a statement indicating that there were no exceedances during that semi-annual period.

(Auth.: HAR §11-60.1-3, §11-60.1-90)

#### 6. Annual Emissions Reports

- a. As required by Attachment IV and in conjunction with the requirements of Attachment III, Annual Fee Requirements, the permittee shall report **annually** the total tons/year emitted of each regulated air pollutant, including hazardous air pollutants. The reporting of annual emissions is due **within sixty (60) days following the end of each calendar year**. The following forms shall be used:
  - i. Monitoring/Annual Emissions Report Form: Asphalt Drum Mixer;
  - ii. Monitoring/Annual Emissions Report Form: Diesel Engine Generator Fuel Consumption & Certification; and
  - iii. Monitoring/Annual Emissions Report Form: Hot Oil Heater Fuel Consumption & Certification.
- b. Upon the written request of the permittee, the deadline for annual emissions reporting may be extended if the Department of Health determines that reasonable justification exists for the extension.

(Auth.: HAR §11-60.1-3, §11-60.1-90)

#### **Section G. Testing Requirements for the Asphalt Plant**

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

b. Performance tests to determine opacity of emissions from the baghouse servicing the drum mixer shall be conducted using 40 CFR Part 60 Method 9.

(Auth.: HAR §11-60.1-3, §11-60.1-11, §11-60.1-90, §11-60.1-161; 40 CFR 60.8, 40 CFR 60.93, SIP §11-60-15 )<sup>1,2</sup>

2. The performance test for the emissions of particulate matter shall consist of three (3) separate runs using the applicable test method. For the purpose of determining compliance with an applicable regulation, the arithmetic mean of the results from the three (3) runs shall apply.

a. For each run, the asphalt production rate in tons/hour shall be provided. The permittee shall document the method by which the asphalt production rate was determined.

b. The pressure drop across the baghouse shall be recorded and reported for each run. There shall be one reading per run unless the value changes, then the readings shall be continuous.

(Auth.: HAR §11-60.1-3, §11-60.1-11, §11-60.1-90, §11-60.1-161, 40 CFR App. A, 40 CFR 60.93, SIP §11-60-15 )<sup>1,2</sup>

3. Note that Method 1 cannot be used under the following conditions:

a. Cyclonic or swirling gas flow at the sampling location;

b. Stack or duct with a diameter less than 12 inches or a cross-sectional area less than 113 square inches; or

c. Sampling location less than two stack diameters downstream or less than a half diameter upstream from a flow disturbance.

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

4. Particulate emissions shall be reported in two categories:

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

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

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

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

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

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

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. 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 the U.S. EPA Region 9 the test report which shall include the operating conditions of the equipment at the time of the test (e.g., operating rate in tons/hour, pressure drop readings, etc.), the summarized tests results, comparative results with the permit emission limits, and other pertinent support calculations, and field and laboratory data.

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

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

(Auth.: HAR §11-60.1-3, §11-60.1-90)

#### **Section H. 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 boundary, any fence lines, and general terrain features (i.e., flat, hilly, steep);
    - ii. Location of all structures within 100 meters of the equipment. Provide the building dimensions (height, length, width, and distance to the equipment stack) of all structures that have heights greater than 40% of the stack height of the equipment; and
    - iii. Identification of any other pollution sources at the new location.
  - e. List of equipment to be used at the site, equipment numbers, and plant configuration;
  - f. Area map showing the equipment and new proposed location;
  - g. Projected dates of operation at the new location;
  - h. 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;
  - i. Any other air pollution sources owned and operated by the permittee at the new location; and
  - j. Any additional information 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.

(Auth.: HAR §11-60.1-3, §11-60.1-91)

### **Section I. Agency Notification**

Any document (including reports) required to be submitted by this temporary covered source permit shall be done in accordance with Attachment I, Standard Condition No. 28.

(Auth.: HAR §11-60.1-4, §11-60.1-90)

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

**CSP No. 0542-01-CT**

**Attachment II**

**Page 17 of 16**

**Issuance Date:**

**Expiration Date:**

**PROPOSED**

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

**ATTACHMENT II - INSIG  
SPECIAL CONDITIONS - INSIGNIFICANT ACTIVITIES  
Temporary COVERED SOURCE PERMIT NO. 0542-01-CT**

**Issuance Date:**

**Expiration Date:**

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

**Section A. Equipment Description**

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

(Auth.: HAR §11-60.1-3)

**Section B. Operational Limitations**

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

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

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

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

**Section C. Monitoring and Recordkeeping Requirements**

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

(Auth.: HAR §11-60.1-3, §11-60.1-90)

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

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

**Section D. Notification and Reporting**

Compliance Certification

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

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

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

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

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

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

**Section E. Agency Notification**

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

**CSP No. 0542-01-CT**  
**Attachment II - INSIG**  
**Page 3 of 2**  
**Issuance Date:**  
**Expiration Date:**

**PROPOSED**

(Auth.: HAR §11-60.1-4, §11-60.1-90)

## PROPOSED

### ATTACHMENT III: ANNUAL FEE REQUIREMENTS TEMPORARY COVERED SOURCE PERMIT NO. 0542-01-CT

**Issuance Date:**

**Expiration Date:**

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

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

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

## PROPOSED

### ATTACHMENT IV: ANNUAL EMISSIONS REPORTING REQUIREMENTS TEMPORARY COVERED SOURCE PERMIT NO. 0542-01-CT

**Issuance Date:**

**Expiration Date:**

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

1. Complete the attached form(s):

Monitoring/Annual Emissions Report Form: Asphalt Drum Mixer

Monitoring/Annual Emissions Report Form: Diesel Engine Generator Fuel Consumption & Certification

Monitoring/Annual Emissions Report Form: Hot Oil Heater Fuel Consumption & Certification

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

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

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

**COMPLIANCE CERTIFICATION FORM  
TEMPORARY COVERED SOURCE PERMIT NO. 0542-01-CT  
PAGE 1 OF 4**

**Issuance Date:** \_\_\_\_\_

**Expiration Date:** \_\_\_\_\_

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

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

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

Company/Facility Name: \_\_\_\_\_

Responsible Official (Print): \_\_\_\_\_

Title: \_\_\_\_\_

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

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

# PROPOSED

**COMPLIANCE CERTIFICATION FORM  
TEMPORARY COVERED SOURCE PERMIT NO. 0542-01-CT  
(CONTINUED, PAGE 2 OF 4)**

**Issuance Date:**

**Expiration Date:**

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

**Instructions:**

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

**A. Attachment I, Standard Conditions**

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

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

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



**COMPLIANCE CERTIFICATION FORM  
Temporary COVERED SOURCE PERMIT NO. 0542-01-CT  
(CONTINUED, PAGE 4 OF 4)**

**Issuance Date:**

**Expiration Date:**

**D. Deviations**

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

**(Make Additional Copies if Needed)**

**PROPOSED**

**MONITORING/ANNUAL EMISSIONS REPORT FORM: ASPHALT DRUM MIXER  
TEMPORARY COVERED SOURCE PERMIT NO. 0542-01-CT  
(PAGE 1 OF 3)**

**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)

Report Period: \_\_\_\_\_ Date: \_\_\_\_\_

Facility: Jas. W. Glover, Ltd. - 300 TPH Portable Asphalt Plant

Equipment Location: \_\_\_\_\_

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

Responsible Official (Print): \_\_\_\_\_

Title: \_\_\_\_\_

Signature: \_\_\_\_\_

**1. ASPHALT CONCRETE PRODUCTION**

Month	Asphalt Concrete Produced (tons)
Jan.	
Feb.	
Mar.	
Apr.	
May	
Jun.	
Jul.	
Aug.	
Sep.	
Oct.	
Nov.	
Dec.	
<b>Annual Total</b>	

**PROPOSED**

**MONITORING/ANNUAL EMISSIONS REPORT FORM: ASPHALT DRUM MIXER  
TEMPORARY COVERED SOURCE PERMIT NO. 0542-01-C  
(PAGE 2 OF 3)**

Issuance Date:

Expiration Date:

**2. DRUM MIXER FUEL CONSUMPTION**

Month	Fuel Consumption (gallons)			
	Fuel Oil No. 2 Monthly	Spec Used Oil Monthly	Total Fuel	
			Monthly	Rolling 12-mo. basis
Jan.				
Feb.				
Mar.				
Apr.				
May				
Jun.				
Jul.				
Aug.				
Sep.				
Oct.				
Nov.				
Dec.				

**3. DRUM MIXER FUEL CERTIFICATION**

Fuel	Supplier	Max. Sulfur Content (% by weight)
Fuel oil no. 2		
Spec used oil		Report under 4

# PROPOSED

**MONITORING/ANNUAL EMISSIONS REPORT FORM: ASPHALT DRUM MIXER  
TEMPORARY COVERED SOURCE PERMIT NO. 0542-01-C  
(PAGE 3 OF 3)**

Issuance Date:

Expiration Date:

#### 4. SPEC USED OIL

**Spec Oil Properties:** In the table below, report the highest value for each constituent or property of all laboratory analyses performed on used oil during the reporting period, except for flash point, for which the minimum value should be reported.

<b>SPEC USED OIL FIRED IN DRUM MIXER</b>			
<b>Constituent or Property</b>	<b>Highest Value from Analyses*</b>	<b>Units</b>	<b>Permit Limit</b>
Arsenic		ppm by weight	5 ppm maximum
Cadmium		ppm by weight	2 ppm maximum
Chromium		ppm by weight	10 ppm maximum
Lead		ppm by weight	100 ppm maximum
Total Halogens		ppm by weight	1000 ppm maximum
Sulfur		% by weight	0.5% maximum
Flash Point * Report lowest value.		° F	100 ° F minimum
Polychlorinated Biphenyls (PCB)		ppm by weight	< 2 ppm

**PROPOSED**

**MONITORING/ANNUAL EMISSIONS REPORT FORM  
DIESEL ENGINE GENERATOR FUEL CONSUMPTION & CERTIFICATION  
TEMPORARY COVERED SOURCE PERMIT NO. 0542-01-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)

Report Period: \_\_\_\_\_ Date: \_\_\_\_\_

Facility: Jas. W. Glover, Ltd. - 300 TPH Portable Asphalt Plant  
1085 BHP diesel engine generator

Equipment Location: \_\_\_\_\_

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

Responsible Official (Print): \_\_\_\_\_

Title: \_\_\_\_\_

Signature: \_\_\_\_\_

Diesel Engine Generator Total Fuel Consumption (gallons)					
Month	Monthly	Rolling 12-Month Period	Month	Monthly	Rolling 12-Month Period
Jan.			Jul.		
Feb.			Aug.		
Mar.			Sep.		
Apr.			Oct.		
May			Nov.		
Jun.			Dec.		

Diesel Engine Generator Fuel Certification		
Fuel Type	Supplier	Maximum Sulfur Percent by Weight
Fuel Oil No. 2		

If not already on file at the Department of Health, provide the supplier's fuel specification sheet for the type of fuel indicated in the above table. The fuel specification sheet shall indicate the percent sulfur content by weight.

**PROPOSED**

**MONITORING/ANNUAL EMISSIONS REPORT FORM  
HOT OIL HEATER FUEL CONSUMPTION & CERTIFICATION  
TEMPORARY COVERED SOURCE PERMIT NO. 0542-01-C**

**Issuance Date:** \_\_\_\_\_

**Expiration Date:** \_\_\_\_\_

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

(Make Copies for Future Use)

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

Company Name: Jas. W. Glover, Ltd.

Facility Name: 300 TPH Portable Asphalt Plant

Equipment Description: CEI-2000 Hot Oil Heater

**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: \_\_\_\_\_

Signature: \_\_\_\_\_

**Hot Oil Heater Total Fuel Consumption (gallons)**

Month	Monthly	Rolling 12-Month Period	Month	Monthly	Rolling 12-Month Period
Jan.			Jul.		
Feb.			Aug.		
Mar.			Sep.		
Apr.			Oct.		
May			Nov.		
Jun.			Dec.		

**Hot Oil Heater Fuel Certification**

Fuel Type	Supplier	Maximum Sulfur Percent by Weight
Fuel Oil No. 2		

If not already on file at the Department of Health, provide the supplier's fuel specification sheet for the type of fuel indicated in the above table. The fuel specification sheet shall indicate the percent sulfur content by weight.

**CHANGE OF LOCATION REQUEST  
FOR A TEMPORARY SOURCE  
TEMPORARY COVERED SOURCE PERMIT NO. 0542-01-CT**

**Issuance Date:**

**Expiration Date:**

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

(Make Copies for Future Use)

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

Covered Sources

\_\_\_\_\_ \$100.00 for Non-Air Toxic  
\_\_\_\_\_ \$1,000.00 for Air Toxic

4. If requested by the Department of Health, the permittee shall submit any additional information including an ambient air quality impact analysis of the equipment at the new location.
5. This notification form shall be mailed to the following address:

**CLEAN AIR BRANCH  
ENVIRONMENTAL MANAGEMENT DIVISION  
HAWAII DEPARTMENT OF HEALTH  
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 Source Permit and all applicable requirements.

**PROPOSED**

**CHANGE OF LOCATION REQUEST  
FOR A TEMPORARY SOURCE  
TEMPORARY COVERED SOURCE PERMIT NO. 0542-01-CT  
(PAGE 1 OF 2)**

**Issuance Date:** \_\_\_\_\_

**Expiration Date:** \_\_\_\_\_

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

5. Current Location of Equipment: \_\_\_\_\_

**6. New Location Information**

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

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

**CHANGE OF LOCATION REQUEST  
FOR A TEMPORARY SOURCE  
TEMPORARY COVERED SOURCE PERMIT NO. 0542-01-CT  
(PAGE 2 OF 2)**

**Issuance Date:** \_\_\_\_\_

**Expiration Date:** \_\_\_\_\_

i. Brief description of the work to be performed: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

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

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

<b>Distance</b>	<b>Identify if residence, school, business, etc.</b>

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

Responsible Official (Print name): \_\_\_\_\_ Date: \_\_\_\_\_

Title of Responsible Official: \_\_\_\_\_

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



## PROPOSED

**VISIBLE EMISSIONS FORM REQUIREMENTS**  
**STATE OF HAWAII**  
**Temporary COVERED SOURCE PERMIT NO. 0542-01-CT**

**Issuance Date:**

**Expiration Date:**

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

1. Visible emissions observations shall take place during the day only and shall be compared to the Ringelmann Chart provided. The opacity shall be noted in five (5) percent increments (e.g., 25%).
2. Orient the sun within a 140 degree sector to your back. Provide a source layout sketch on the V.E. Form using the symbols as shown.
3. For V.E. observations of stacks, stand at least three (3) stack heights but not more than a quarter mile from the stack.
4. For V.E. observations of fugitive emissions from crushing and screening plants, stand at least 4.57 meters (15 feet) from the visible emissions source, but not more than a quarter mile from the visible emission source.
5. Two (2) consecutive six (6) minute observations shall be taken at fifteen (15) second intervals for each stack or emission point.
6. The six (6) minute average opacity reading shall be calculated for each observation.
7. If possible, the observations shall be performed as follows:
  - a. Read from where the line of sight is at right angles to the wind direction.
  - b. The line of sight shall not include more than one (1) plume at a time.
  - c. Read at the point in the plume with the greatest opacity (without condensed water vapor), ideally while the plume is no wider than the stack diameter.
  - d. Read the plume at fifteen (15) second intervals only. Do not read continuously.
  - e. The equipment shall be operating at the maximum permitted capacity.
8. If the equipment was shut-down for that period, briefly explain the reason for shut-down in the comment column.

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

Any required initial and annual performance test performed in accordance with Method 9 by a certified reader shall satisfy the respective equipment's V.E. monitoring requirements for the month the performance test is performed.

# PROPOSED

**VISIBLE EMISSIONS FORM**  
**Temporary COVERED SOURCE PERMIT NO. 0542-01-CT**

**Issuance Date:** \_\_\_\_\_ **Expiration Date:** \_\_\_\_\_

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

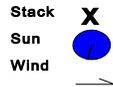
Company Name: \_\_\_\_\_

For stacks, describe equipment and fuel: \_\_\_\_\_

For fugitive emissions from crushers and screens, describe: \_\_\_\_\_

Fugitive emission point: \_\_\_\_\_

Plant Production (tons/hr): \_\_\_\_\_



Draw North Arrow



X Emission Point

Observers Position

140

Sun Location Line

**Site Conditions:**

Emission point or stack height above ground (ft): \_\_\_\_\_

Emission point or stack distance from observer (ft): \_\_\_\_\_

Emission color (black or white): \_\_\_\_\_

Sky conditions (% cloud cover): \_\_\_\_\_

Wind speed (mph): \_\_\_\_\_

Temperature (° F): \_\_\_\_\_

Observer Name: \_\_\_\_\_

Certified? (Yes/No): \_\_\_\_\_

Observation Date and Start Time: \_\_\_\_\_

Method of observation (Ringelmann Chart or Method 9): \_\_\_\_\_

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

Observation Date and Start Time: \_\_\_\_\_

Method of observation (Ringelmann Chart or Method 9): \_\_\_\_\_

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