

PROPOSED

[Issuance Date]

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

03-XXXE CAB
File No. 0545-01

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. 0545-01-CT
Jas. W. Glover, Ltd.
300 TPH Asphalt Plant with 1085 BHP Diesel Engine Generator
Initially Located at: Honokohau Quarry, Kailua-Kona, Hawaii
Date of Expiration: [Five Year Period from Issuance Date]

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 September 15, 2003 and the additional submittals dated October 15, 2003, October 19, 2003, October 24, 2003, November 18, 2003, and December 5, 2003. 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
Attachment III: Annual Fee Requirements
Attachment IV: Annual Emissions Reporting Requirements

The following forms are for *submission*:

- Compliance Certification
- Monitoring/Annual Emissions Report: Asphalt Drum Mixer
- Monitoring/Annual Emissions Report: Diesel Engine Generator
- Monitoring/Annual Emissions Report: Hot Oil Heater
- Monitoring/Annual Emissions Report: Reclaimed Asphalt Paving
- Visible Emissions Monitoring Report: Opacity Exceedances
- Change of Location Request for a Temporary Source

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

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

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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

AM:

Enclosures

c: Steven Okoji, EHS - Hawaii
CAB Enforcement Section

**ATTACHMENT I: STANDARD CONDITIONS
TEMPORARY COVERED SOURCE PERMIT NO. 0545-01-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:

- 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 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:

- a. Identification of the specific equipment to be taken out of service, as well as its location and permit number;
- b. The expected length of time that the air pollution control equipment will be out of service;
- c. The nature and quantity of emissions of air pollutants likely to be emitted during the shutdown period;
- d. Measures such as the use of off-shift labor and equipment that will be taken to

- minimize the length of the shutdown period; and
- e. The reasons why it would be impossible or impractical to shut down the source operation during the maintenance period.

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

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

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(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)

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.

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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. 0545-01-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 portable 300 TPH asphalt plant encompasses the following equipment and associated appurtenances:
 - a. One (1) 300 TPH CMI double barrel counterflow drum mixer, model no. PTD-300, with Hauck Eco-StarII burner;
 - b. One (1) CMI Rotoaire baghouse, model no. RA318P/648 servicing the drum mixer;
 - c. One (1) 1085 BHP Cummins diesel engine generator, model no. QST30-G2;
 - d. One (1) CMI hot oil heater, model no. CMI-2000;
 - e. One (1) CMI 4' x 10' scalping screen;
 - f. One (1) CMI 20 ton portable recycle bin, model no. PRB-120;
 - g. One (1) 300 TPH Reclaimed Asphalt Paving (RAP) crusher connected to the portable recycle bin;
 - h. One (1) CMI portable 10' x 14' aggregate bin;
 - i. Asphalt storage silos; and
 - j. Various conveyor belts.

(Auth.: HAR §11-60.1-3)

2. Additional information on the above-listed equipment, such as model nos., serial nos., and manufacture dates, shall be provided to the Department of Health as soon as this information is known.

(Auth.: HAR §11-60.1-3)

3. An identification tag or name plate shall be displayed on the drum mixer, baghouse, diesel engine generator, hot oil heater, scalping screen, and RAP crusher 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 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.
2. The 300 TPH RAP crusher 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 OOO, Standards of Performance for Nonmetallic Mineral Processing Plants.

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

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

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

Section C. Operational Limits

1. Drum Mixer
 - a. Power for the drum mixer shall only be provided by the 1085 BHP diesel engine generator or a temporary replacement unit meeting all provisions of Special Condition 9 of this attachment.
 - b. 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 C.1.d, or any combination thereof.
 - c. Fuel usage for the drum mixer shall not exceed 2,142,000 gallons in any rolling 12-month period.
 - d. Specification used oil conditions and requirements are as follows:
 - i. 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.
 - ii. This permit shall not release the permittee from compliance with all applicable

state and federal rules and regulations on the handling, transporting, storing and burning of used oil.

- iii. The used oil shall be obtained only from Unitek. 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 used oil.
- iv. 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.
- v. An analysis report for each delivery of specification used oil shall be obtained for the constituents/properties for which limits are given in Special Condition C.1.d.vi of this attachment.
- vi. The following constituents/properties of the specification used oil shall not exceed the limits listed below:
 - a) Arsenic 5 ppm maximum
 - b) Cadmium 2 ppm maximum
 - c) Chromium 10 ppm maximum
 - d) Lead 100 ppm maximum
 - e) Total Halogens 1,000 ppm maximum
 - f) Sulfur 2% by weight maximum
 - g) Flash Point 100° F minimum
 - h) Polychlorinated Biphenyls (PCB) < 2 ppm

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

2. Baghouse

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

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

3. Diesel Engine Generator

- a. The 1085 BHP diesel engine generator (and any temporary replacement unit provided for in Special Condition 9 of this attachment) 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 (combined with the fuel usage for any temporary replacement unit provided for in Special Condition 9 of this attachment) shall not exceed 159,000 gallons in any rolling twelve (12) month period.
- c. The 1085 BHP diesel engine generator (and any temporary replacement unit provided for in Special Condition 9 of this attachment) shall be maintained in good operating condition to promote good combustion and minimize emissions.

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

4. 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 159,000 gallons in any rolling twelve (12) month period.

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

5. RAP Crusher

- a. Power for the 300 TPH RAP crusher shall only be provided by the 1085 BHP diesel engine generator or a temporary replacement unit meeting all provisions of Special Condition 9 of this attachment.
- b. The permittee shall not cause to be discharged into the atmosphere from the RAP crusher, fugitive emissions which exhibit greater than fifteen percent (15%) opacity.

(Auth.: HAR §11-60.1-3, §11-60.1-90, §11-60.1-161, 40 CFR 60.672)

- c. The permittee shall not cause to be discharged into the atmosphere from any transfer point on the conveyors, or any affected facility (as defined in 40 CFR §60.670), any fugitive emissions which exhibit greater than ten percent (10%) opacity.

(Auth.: HAR §11-60.1-3, §11-60.1-90, §11-60.1-161, 40 CFR 60.672)

6. 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 RAP crusher, aggregate screen, material transfer points, 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 maintained and used as necessary during operation of the RAP crusher to minimize fugitive dust at the crusher, aggregate screen, and material transfer points.
- ii. A water spray system and/or an on-site water truck shall be maintained and used on the facility grounds as necessary to minimize fugitive dust from roads and storage piles.

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.

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

- b. The permittee shall not operate the 300 TPH RAP crusher if observation or routine inspection required in Special Condition C.7 of this Attachment indicates a significant drop in water pressure and/or flow rate, plugged nozzle(s), leak in the piping system, or other problem which affects the efficiency of the water spray system controlling plant emissions. The permittee shall investigate and correct the problem before resuming plant operation.

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

- c. The permittee 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)

7. Asphalt Plant Maintenance

The asphalt plant, including the drum mixer, baghouse, diesel engine generator, hot oil heater, RAP crusher, 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)

8. Location Change

The operation of the equipment covered by this Temporary Covered Source Permit shall involve at least one (1) location change during the term of this permit. Subsequent location changes of the portable 300 TPH asphalt plant shall be in accordance with Attachment II, Special Conditions, Section I. 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)

9. 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 from the site of operation is submitted to the Department of Health prior to the exchange;
 - ii. The temporary replacement unit is the same size or smaller with 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)

Section D. Emission Limits

1. On and after the date of start-up of the plant, the permittee shall not discharge or cause the discharge into the atmosphere from the exhaust stack of the drum mixer particulate matter in excess of 90 mg/dscm (0.04 gr/dscf).

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

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

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

3. The permittee shall not cause to be discharged into the atmosphere from the RAP crusher, fugitive emissions which exhibit greater than fifteen percent (15%) opacity.

(Auth.: HAR §11-60.1-3, §11-60.1-90, §11-60.1-161, 40 CFR 60.672)

4. The permittee shall not cause to be discharged into the atmosphere from any transfer point on the conveyors associated with the RAP crusher, or any affected facility (as defined in 40 CFR §60.670), any fugitive emissions which exhibit greater than ten percent (10%) opacity.

(Auth.: HAR §11-60.1-3, §11-60.1-90, §11-60.1-161, 40 CFR 60.672)

Section E. Monitoring and Recordkeeping Requirements

All records, including support information, shall be maintained for at least five (5) years from the date of the monitoring sample, measurement, test, report, or application. Support information

includes all maintenance, inspection, calibration, and repair records of all permitted equipment, and copies of all reports required by this permit. These records shall be maintained in a permanent form suitable for inspection and 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)

1. 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.

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

2. Fuel Consumption

- a. The permittee shall install, operate, and maintain a non-resetting fuel meter on the **drum mixer** 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 C.1.c. of this attachment.
- b. The permittee shall install, operate, and maintain a non-resetting fuel meter on the **diesel engine generator** (and on any temporary replacement unit provided for in Special Condition 10 of this attachment) to permanently record the 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 C.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 C.4.b. of this attachment.

(Auth.: HAR §11-60.1-3, §11-60.1-90)

3. Fuel Certification

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

- a. Fuel purchase receipts showing the fuel type, sulfur content (percent by weight) of fuel oil no. 2 and specification used oil, delivery date, and amount of fuel (gallons)

delivered to the facility for the drum mixer, the diesel engine generator (and any temporary replacement unit provided for in Special Condition C.9 of this attachment), and the hot oil heater ;

- b. Supplier's fuel specification sheet showing sulfur content (% by weight) of fuel oil no. 2 and specification used oil if fuel purchase receipts do not indicate the sulfur content; and
- c. Total annual gallons of each fuel consumed by the drum mixer, the 1085 BHP diesel engine generator (and any temporary replacement unit provided for in Special Condition 9 of this attachment), and the hot oil heater.

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

4. Baghouse

- a. A pressure drop gauge shall be installed, operated, and maintained on the baghouse to measure the pressure drop across the baghouse.
- b. The baghouse shall be maintained in good operating condition at all times with routine scheduled inspections and maintenance as recommended by the manufacturer or as needed. The permittee shall follow a regular maintenance schedule to ensure that the following items are operating properly:
 - i. The filter bags are checked for any tears, holes, abrasions and scuffs and are replaced as needed.
 - ii. The cleaning system is maintained and operated at sufficient intervals to minimize particulate buildup or caking on the filter bags.
 - iii. 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)

5. RAP Crusher

A belt scale shall be installed and maintained on the RAP conveyor belt leading to the drum mixer to measure the amount of RAP used. Records shall be maintained on the amount of RAP used on a monthly and rolling 12-month basis.

(Auth.: HAR §11-60.1-3, §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) 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 asphalt plant which includes the drum mixer, baghouse, diesel engine generator, hot oil heater, RAP crusher, screening and water spray systems shall be documented. As 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. 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.

e. RAP Crusher

- i. Except in those months where a performance test is conducted for fugitive emissions pursuant to Section H of this Attachment, **monthly** (*calendar month*) V.E. observations of fugitive emissions from the 300 TPH RAP crusher shall be performed in accordance with Special Condition E.8.a of this attachment.
- ii. **Monthly** V.E. observations shall be conducted for at least two emission points. The selected points shall include the RAP rollers and one transfer point. Each month, the observed transfer point shall be rotated so that every transfer point is eventually observed.
- iii. For V.E. observations of fugitive emissions, the following apply:

- (1) The minimum distance between the observer and the emission source shall be 4.57 meters (15 feet);
- (2) The observer shall, when possible, select a position that minimizes interference from other fugitive emission sources. The required observer position relative to the sum (Method 9) shall be followed: and
- (3) The observer shall record the operating capacity (tons/hr) of the applicable crusher at the time the observations are made.

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

9. Performance Test

a. Asphalt Plant

- i. An initial and annual source performance test for the asphalt plant drum mixer shall be conducted pursuant to Section G of this attachment.
- ii. Source performance test plans, summaries, and test results shall be maintained.

b. RAP Crusher

- i. An annual source performance test for the 300 TPH RAP crusher shall be conducted in accordance with Section H of this attachment.
- ii. Source performance test plans, summaries, and test results shall be maintained.

(Auth.: HAR §11-60.1-3, §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 25, respectively:

- a. *Anticipated date of initial start-up, actual date of construction commencement, and actual date of start-up;*
- b. *Intent to shut down air pollution control equipment for necessary scheduled*

maintenance;

- c. *Emissions of air pollutants in violation of HAR, Chapter 11-60.1 or this permit (excluding technology-based emission exceedances due to emergencies); and*
- d. *Permanent discontinuance of construction, modification, relocation, or operation of the facility covered by this permit.*

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

2. 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. Performance Test

a. Asphalt Plant

- i. 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.7 of this attachment.

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

- ii. 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.10 of this attachment.

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

b. RAP Crusher

- i. At least thirty At least **thirty (30) days prior to conducting a source performance test** pursuant to Section H of this attachment, the permittee shall submit a test plan to the Department of Health in accordance with Special Condition H.4 of this attachment.

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

- ii. 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 H.6 of this attachment.

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

4. Monitoring Reports

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

- i. Monitoring/Annual Emissions Report: Asphalt Drum Mixer
- ii. Monitoring/Annual Emissions Report: Diesel Engine Generator
- iii. Monitoring/Annual Emissions Report: Hot Oil Heater
- iv. Monitoring/Annual Emissions Report: Reclaimed Asphalt Paving
- v. Visible Emissions Monitoring Report: Opacity Exceedances

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

- i. Total asphalt concrete production on a monthly and rolling 12-month basis;
- ii. Fuel type and number of gallons of each type of 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);
- iii. Total RAP used on a monthly and rolling 12-month basis; and
- iv. 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)

5. Annual Emissions Reports

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 may be used to satisfy the annual emissions reporting requirements.

- a. Monitoring/Annual Emissions Report: Asphalt Drum Mixer
- b. Monitoring/Annual Emissions Report: Diesel Engine Generator
- c. Monitoring/Annual Emissions Report: Hot Oil Heater
- d. Monitoring/Annual Emissions Report: Reclaimed Asphalt Paving

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)

6. Compliance Certification

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

- a. Identification of each permit term or condition that is the basis of the certification;
- b. Compliance status;
- c. Whether compliance was continuous or intermittent;
- d. Methods used for determining the compliance status of the source currently and over the reporting period;
- e. Any additional information indicating the source's compliance status with any applicable enhanced monitoring and compliance certification including the requirements of Section 114(a) (3) of the Clean Air Act or any applicable monitoring and analysis provisions of Section 504(b) of the Clean Air Act; and

- f. Any additional information as required by the Department of Health including information to determine compliance with applicable requirements.

*The compliance certification shall be submitted **within ninety (90) days after** the end of each calendar year, and shall be signed and dated by a responsible official or authorized representative. The enclosed "Compliance Certification" form may be used.*

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

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

Section G. Testing Requirements for Asphalt Plant

1. **Within sixty (60) days after** achieving the maximum production rate at which the 300 TPH asphalt plant will be operated, but **not later than one-hundred eighty (180) days after** initial startup and **annually** thereafter, the permittee shall conduct or cause to be conducted a source performance test. Performance testing shall be conducted for particulate matter and opacity.

(Auth.: HAR §11-60.1-3, §11-60.1-90)

2. Performance tests for PM emissions and opacity determination shall be conducted and results reported in accordance with the test methods set forth in 40 CFR Part 60, Appendix A, and 40 CFR Part 60.8. The following test methods or U.S. EPA-approved equivalent methods, or alternate methods with prior written approval from the Department of Health shall be used:
- a. Performance test for the particulate matter emissions from the baghouse servicing the drum mixer shall be conducted using 40 CFR Part 60 Methods 1-5. For Method 5, the sampling time for each run shall be at least sixty (60) minutes and the minimum sample volume shall be at least 0.90 dscm (31.8 dscf).
- b. Performance tests to determine opacity from emissions from the baghouse servicing the drum mixer shall be conducted using 40 CFR Part 60 Method 9.

(Auth.: HAR §11-60.1-3, §11-60.1-11, §11-60.1-90, §11-60.1-161; 40 CFR 60.8, 40 CFR § 60.93, SIP § 11-60-15)^{1,2}

3. 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)^{1,2}

4. Note that Method 5 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)

5. Particulate emissions shall be reported in two categories:

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

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

6. 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 cs = concentration of particulate matter in pounds/dscf as determined in accordance with Method 5.

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

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

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

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

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

11. 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. Testing Requirements for RAP Crusher

1. The permittee shall conduct or cause to be conducted annual performance tests on the 300 TPH RAP Crusher to determine the opacity of emissions. Tests shall be conducted for each point subject to an opacity limit.

The Department of Health may require testing at other points in the facility or more frequent testing if an inspection indicates poor or insufficient controls.

(Auth.: HAR §11-60.1-3, §11-60.1-11, §11-60.1-90; §11-60.1-161, 40 CFR §60.675)¹

2. The performance tests for the 300 TPH RAP Crusher shall be conducted by a certified reader using Method 9 of 40 CFR Part 60, Appendix A, and the procedures in 40 CFR §60.11 with additions identified in 40 CFR Part 60, Subpart OOO, §60.675(c); or U.S. EPA-approved equivalent methods with written consent from the Department of Health. In addition, the observer shall comply with the following requirements:
 - a. The minimum distance between the observer and the emission source shall be 4.57 meters (15 feet); and
 - b. The observer shall, when possible, select a position that minimizes interference from other fugitive emission sources. The required observer position relative to the sun (Method 9, Section 2.1) shall be followed.

(Auth.: HAR §11-60.1-3, §11-60.1-11, §11-60.1-90, §11-60.1-161; 40 CFR §60.675)¹

3. The performance tests shall be done at the expense of the permittee and shall be conducted at the maximum expected operating capacity of the 300 TPH RAP Crusher. All performance tests may be monitored by the Department of Health.

(Auth.: HAR §11-60.1-3, §11-60.1-11, §11-60.1-90; §11-60.1-161, 40 CFR §60.675)¹

4. **At least thirty (30) days prior to conducting the performance test** for the 300 TPH RAP Crusher, the permittee shall submit a written performance test plan to the Department of Health that includes test date(s), test duration, test locations, test methods, source

operation, locations of visible emissions readings, and other parameters that may affect the test results. Such a plan shall conform to U.S. EPA guidelines including quality assurance procedures.

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

5. Any deviations from these conditions, test methods, or procedures may invalidate a test and require a retest unless such deviations are approved by the Department of Health before the tests are performed. A test plan or quality assurance plan that does not have the approval of the Department of Health may be grounds to invalidate the test and require a retest.

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

6. **Within sixty (60) days after completion of the performance test** for the 300 TPH RAP Crusher, the permittee shall submit to the Department of Health the test report which shall include facility operating conditions at the time of the test (e.g., operating rate in tons/hr, normal operating water pressure (psi) and/or flow rate (gal/min) during the test, etc.), locations where visible emissions were read, visible emission readings, location of water sprays, summarized test results with a comparison to permit emission limits, other pertinent support calculations, and field/laboratory data. The results shall be recorded and reported in accordance with 40 CFR Part 60 Appendix A and §60.8 for the 300 TPH RAP Crusher.

The normal operating water pressure (psi) or flow rate (gal/min) of the water spray system shall be determined by the water pressure or flow rate used during the performance test that demonstrates compliance with the opacity limits of this permit.

(Auth.: HAR §11-60.1-3, §11-60.1-11, §11-60.1-90, §11-60.1-161; 40 CFR §60.675; SIP §11-60-15)^{1,2}

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

(Auth.: HAR §11-60.1-3, §11-60.1-90)

Section I. Change of Location Requirements

1. The permittee shall submit information regarding all succeeding location changes to the Director of Health for approval at least **thirty (30) days**, or such lesser time as designated and approved by the Director of Health, prior to the change in location. The information submitted shall include the following:
 - a. Name, address, and phone number of the facility and the plant site manager or other contact;
 - b. Temporary covered source permit number and expiration date;
 - c. Identification of current location;
 - d. Location map of the new temporary location containing the following information:
 - i. Identification of the property/fence lines.
 - ii. Location of all structures within 325 meters of the equipment. Provide the building dimensions (height, length, and width) of all structures that have heights greater than 40% of the stack height of the equipment.
 - e. Projected dates of operation at the new location;
 - f. Identification of any other air pollution sources at the new location;
 - g. Certification that no modification will be made to the equipment, and operational methods will remain similar as permitted under this Temporary Covered Source Permit at the new location; and
 - h. Any additional information as requested by the Department of Health, including an ambient air quality impact assessment of the facility at the new location.

(Auth.: HAR §11-60.1-3, §11-60.1-91)

2. The applicable filing fee shall be submitted to the Department of Health with each change in location request.

(Auth.: HAR §11-60.1-3, §11-60.1-91)

3. Prior to any relocation, the Department of Health shall approve, conditionally approve, or deny in writing each location change. If the Department of Health denies a location change, the applicant may appeal the decision pursuant to HRS, chapter 91.

(Auth.: HAR §11-60.1-3, §11-60.1-91)

4. At each of the authorized locations, the permittee shall operate in accordance with this Temporary Covered Source Permit and all applicable requirements.

(Auth.: HAR §11-60.1-3, §11-60.1-91)

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

(Auth.: HAR §11-60.1-3, §11-60.1-91)

Section J. Agency Notification

Any document (including reports) required to be submitted by this Temporary Covered Source Permit shall be done in accordance with Attachment I, Standard Condition No. 29.

(Auth.: HAR §11-60.1-4, §11-60.1-90)

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

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

**ATTACHMENT II - INSIG: SPECIAL CONDITIONS
TEMPORARY COVERED SOURCE PERMIT NO. 0545-01-CT
Insignificant Activities**

[Issuance Date]

[Expiration Date]

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

Section A. Equipment Description

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

(Auth.: HAR §11-60.1-3)

Section B. Operational Limitations

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

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

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

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

Section C. Monitoring and Recordkeeping Requirements

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

(Auth.: HAR §11-60.1-3, §11-60.1-90)

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

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

CSP No. 0545-01-CT
Attachment II - INSIG
Page 2 of 2
[Issuance Date]
[Expiration Date]

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, Compliance Certification pursuant to HAR, Subsection 11-60.1-86. The permittee shall indicate whether or not compliance is being met with each term or condition of this permit. The compliance certification shall include at a minimum the following information:

- a. The identification of each term or condition of the permit that is the basis of the certification;
- b. The compliance status;
- c. Whether compliance was continuous or intermittent;
- d. The methods used for determining the compliance status of the source currently and over the reporting period; and
- e. Any additional information as required by the Department of Health including information to determine compliance.

In lieu of addressing each emission unit as specified in the 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.

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

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

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

Section E. Agency Notification

CSP No. 0545-01-CT
Attachment I
Page 25 of 7
[Issuance Date]
[Expiration Date]

PROPOSED

Any document (including reports) required to be submitted by this Covered Source Permit shall be done in accordance with Attachment 1, Standard Condition No. 29.

(Auth.: HAR §11-60.1-4, §11-60.1-90)

PROPOSED

ATTACHMENT III: ANNUAL FEE REQUIREMENTS TEMPORARY COVERED SOURCE PERMIT NO. 0545-01-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. 0545-01-C**

[Issuance Date]

[Expiration Date]

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

1. Complete the attached forms:

Monitoring/Annual Emissions Report: **Asphalt Drum Mixer**

Monitoring/Annual Emissions Report: **Diesel Engine Generator**

Monitoring/Annual Emissions Report: **Hot Oil Heater**

Monitoring/Annual Emissions Report: **Reclaimed Asphalt Paving**

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

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

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

**COMPLIANCE CERTIFICATION
TEMPORARY COVERED SOURCE PERMIT NO. 0545-01-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 certification at least **annually**, or more frequently as set by an applicable requirement:

(Make Copies for Future Use)

For Period: _____ Date: _____

Facility Name: **Jas. W. Glover, Ltd. 300 TPH Asphalt Plant**

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: _____

Signature: _____

Complete the following information for **each** applicable requirement and/or 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: **CSP NO. 0545-01-CT**
2. Emissions Unit No./Description: _____
3. Identify the applicable requirement(s), and/or 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 applicable requirement(s) and/or permit term(s) or condition(s)?

YES NO

b. If YES, was compliance continuous or intermittent?

Continuous Intermittent

**COMPLIANCE CERTIFICATION
TEMPORARY COVERED SOURCE PERMIT NO. 0545-01-C
(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:

CSP No. 0545-01-CT
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PROPOSED

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**MONITORING/ANNUAL EMISSIONS REPORT: ASPHALT DRUM MIXER
TEMPORARY COVERED SOURCE PERMIT NO. 0545-01-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: _____

Company Name: **Jas. W. Glover, Ltd.**

Facility Name: **300 TPH Asphalt Plant**

Equipment Location: _____

Equipment Description: _____

Serial No.: _____

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

Responsible Official (Print): _____

Title: _____

Signature: _____

Asphalt Concrete Production & Drum Mixer Fuel Consumption				
Month	Production Totals (tons)		Fuel Consumption Totals (gallons)	
	Monthly		Monthly	Rolling 12-Month Period
Jan.				
Feb.				
Mar.				
Apr.				
May				
Jun.				
Jul.				
Aug.				
Sep.				
Oct.				
Nov.				

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Dec.			
Total			
MONITORING/ANNUAL EMISSIONS REPORT: ASPHALT DRUM MIXER TEMPORARY COVERED SOURCE PERMIT NO. 0545-01-C (CONTINUED, PAGE 2 OF 2)			
[Issuance Date]		[Expiration Date]	

Drum Mixer Fuel Certification				
Fuel Type	Supplier	Max. Sulfur Content (% by Weight)	Identify % Nitrogen, % Ash & % Lead, if applicable	Fuel Consumption in Gallons per Year (reported in 2nd semi-annual reporting period for the calendar year)
Fuel Oil No. 2				
Specification used oil				
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: DIESEL ENGINE GENERATOR
TEMPORARY COVERED SOURCE PERMIT NO. 0545-01-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: _____

Company Name: **Jas. W. Glover, Ltd.**
 Facility Name: **300 TPH Asphalt Plant**
 Equipment Location: _____
 Equipment Description: **1085 BHP Diesel Engine Generator**

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	Max. Sulfur Percent by Weight	Identify % Nitrogen, % Ash & % Lead, if applicable	Fuel Consumption: Gallons per Year (reported 60 days after start of calendar year)
Fuel Oil No. 2				

PROPOSED

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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.

**MONITORING/ANNUAL EMISSIONS REPORT: HOT OIL HEATER
TEMPORARY COVERED SOURCE PERMIT NO. 0545-01-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 Asphalt Plant**

Equipment Location:

Equipment Description: **CMI-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	Max. Sulfur Percent by Weight	Identify % Nitrogen, % Ash & % Lead, if applicable	Fuel Consumption: Gallons per Year (reported 60 days after start of calendar year)

PROPOSED

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.

**MONITORING/ANNUAL EMISSIONS REPORT: RECLAIMED ASPHALT PAVING
TEMPORARY COVERED SOURCE PERMIT NO. 0545-01-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: _____

Company Name: **Jas. W. Glover, Ltd.**

Facility Name: **300 TPH Asphalt Plant**

Equipment Location: _____

Equipment Description: _____

Serial/ID No. _____

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

Responsible Official (Print): _____

Title: _____

Signature: _____

Reclaimed Asphalt Usage (tons)			
Month	Monthly	Rolling 12-Month Period	Notes
January			
February			
March			
April			
May			
June			
July			

PROPOSED

**VISIBLE EMISSIONS OBSERVATION FORM REQUIREMENTS
TEMPORARY COVERED SOURCE PERMIT NO. 0545-01-CT**

[Issuance Date]

[Expiration Date]

The **Visible Emissions Observation** forms shall be completed **monthly** (*each calendar month*) for each equipment subject to opacity limits in accordance with Method 9 or using a Ringelmann Chart as provided. At least **annually** (*calendar year*), visible emissions (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. Observation 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 (e.g., 25%).
2. Orient the sun within a 140 degree sector to your back. Provide a source layout sketch on the V.E. Observation form using the symbols as shown.
3. Stand at least three stack heights, but not more than a quarter mile from the stack.
4. Two consecutive 6-minute observations shall be taken at 15-second intervals for each stack or emission point.
5. The 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 plume at a time.
 - c. Read at the point in the plume with the greatest opacity (e.g., for stacks, at the location without condensed water vapor, ideally while the plume is no wider than the stack diameter).
 - d. Read the plume at 15-second intervals only. Do not read continuously.
 - e. The equipment shall be operating at maximum permitted or expected capacity.
7. If the equipment was shut-down for that period, briefly explain the reason for shut-down in the comment column.

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

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

**VISIBLE EMISSIONS OBSERVATION
TEMPORARY COVERED SOURCE PERMIT NO. 0545-01-CT**

[Issuance Date] [Expiration Date]

(Make Copies for Future Use)

Company Name: _____

Equipment and Fuel: _____

Site Conditions:

Stack height above ground (ft): _____

Stack/emission-point distance from observer (ft): _____

Emission color (black or white): _____

Sky conditions (% cloud cover): _____

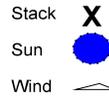
Wind speed (mph): _____

Temperature (°F): _____

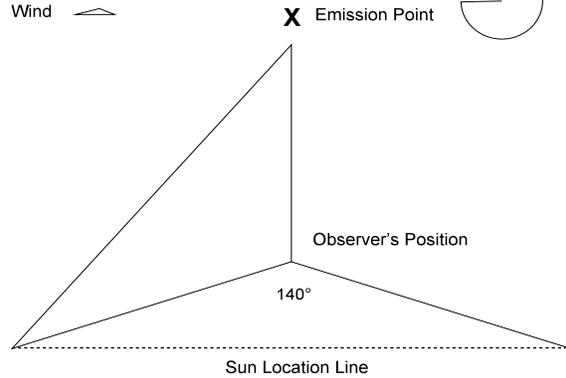
Observer name: _____

Certified? (Yes/No): _____

Capacity equipment operated at: _____



Draw North Arrow



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. 0545-01-CT
(PAGE 1 OF 2)**

[Issuance Date]

[Expiration Date]

In accordance with the HAR, 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 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 location change.
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.
 - c. List of the equipment to be used at the site, equipment numbers, and plant configuration.
3. The permittee shall submit a filing fee with each change in location request. The filing fees shall be made payable to the **Clean Air Special Fund-COV** and are as follows:

Covered Sources: \$100 for Non-Toxic
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
Hawaii Department of Health
P.O. Box 3378
Honolulu, HI 96801-3378**

(808) 586-4200

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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

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temporary covered source permit and all applicable requirements.

**CHANGE OF LOCATION REQUEST FOR A TEMPORARY SOURCE
TEMPORARY COVERED SOURCE PERMIT NO. 0545-01-CT
(CONTINUED, PAGE 2 OF 2)**

1. Company Name: _____
2. Facility Name (if different from the Company): _____
3. Mailing Address: _____
City: _____ State: _____ Zip Code: _____
Phone: _____
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: _____
 - 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 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. 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: _____