

**PROPOSED**

[Issuance Date]

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

03-XXXE CAB  
File No. 0380-01/02

Mr. Daniel R. Goodfellow  
Vice-President  
Goodfellow Brothers, Inc.  
Rimrock Paving Company  
P. O. Box 220  
Kihei, Hawaii 96753-0220

Dear Mr. Goodfellow:

**Subject: Temporary Covered Source Permit (CSP) No. 0380-01-CT  
Renewal Application No. 0380-02  
Goodfellow Brothers, Inc., dba Rimrock Paving Company  
174 TPH Portable Drum Mix HMA Plant  
Located at: Various Locations, State of Hawaii  
Current Location: Puunene Quarry, Mokulele Highway, Puunene, Maui  
Date of Expiration: [Five Year Period from Issuance Date]**

The subject temporary covered source permit is issued in accordance with Hawaii Administrative Rules (HAR), Title 11, Chapter 60.1. The issuance of this permit is based on the plans, specifications, and information that you submitted as part of your application received on January 27, 2003, December 5, and December 8, 2003. This permit supersedes temporary CSP No. 0380-01-CT, issued on November 12, 1998, in its entirety.

The temporary covered source permit is issued subject to the conditions/requirements set forth in the following Attachments:

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

The forms for submission are as follows:

Attachment V: Compliance Certification  
Annual Emissions Report Form: Drum Mix HMA Plant Production  
Annual Emissions/Monitoring Report Form: Fuel Consumption  
Monitoring Report Form: Drum Mixer/Dryer Operating Hours

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Monitoring Report Form: Diesel Engine Generator Operating Hours  
Monitoring Report Form: Venturi Scrubber Operation  
Monitoring Report Form: Visible Emissions

The following are for use for monitoring visible emissions:

- a. Visible Emissions Form Requirements State of Hawaii;
- b. Visible Emissions Form State of Hawaii; and
- c. The Ringelmann Chart

Change of Location Request for a Temporary Source

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

MM:lk

Enclosures

c: Blake Shiigi, EHS - Maui  
CAB Enforcement Section

## PROPOSED

### ATTACHMENT I: STANDARD CONDITIONS TEMPORARY COVERED SOURCE PERMIT NO. 0380-01-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)<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 Regional Administrator for the U.S. Environmental Protection Agency (EPA).

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

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

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

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

(Auth.: HAR §11-60.1-5, §11-60.1-82)

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

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

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

(Auth.: HAR §11-60.1-90)

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

(Auth.: HAR §11-60.1-90)

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

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

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

(Auth.: HAR §11-60.1-90)

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

(Auth.: HAR §11-60.1-90)

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

(Auth.: HAR §11-60.1-90)

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

(Auth.: HAR §11-60.1-14, §11-60.1-90)

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

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

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)<sup>2</sup>

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))<sup>1</sup>

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

(Auth.: HAR §11-60.1-93)

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

(Auth.: HAR §11-60.1-90)

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

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

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**Attachment I**  
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**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)

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

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

## PROPOSED

**ATTACHMENT II: SPECIAL CONDITIONS  
TEMPORARY COVERED SOURCE PERMIT NO. 0380-01-CT**

**[Issuance Date]**

**[Expiration Date]**

In addition to the standard conditions of the temporary covered source permit, the following special conditions shall apply to the permitted facility:

### **Section A. Equipment Description**

1. This permit encompasses the following equipment and associated appurtenances for the portable drum mix hot mix asphalt (HMA) plant:
  - a. 174 TPH ASTEC, model no. PDM-630-C portable drum mixer/dryer with 76 MMBtu/hr Hauck Starjet burner, model no. SJ-360;
  - b. Knock-out box;
  - c. Venturi scrubber with demister;
  - d. 1,100 kW Caterpillar diesel engine generator, model no. 3512, serial no. 24Z01234;
  - e. 75 Ton HMA storage silo;
  - f. 30 Ton HMA storage silo;
  - g. Three (3) compartment cold feed system (BIN), model no. PCF-810-3; and
  - h. Conveyor system.
  
2. An identification tag or name plate shall be displayed on the drum mixer/dryer and burner listed above to show model no. and manufacturer. An identification tag or name plate shall be displayed on the diesel engine generator listed above to show model no., serial no., and manufacturer. The identification tag or name plate shall be permanently attached to the equipment at a conspicuous location.

(Auth.: HAR §11-60.1-3)

(Auth.: HAR §11-60.1-5)

### **Section B. Applicable Federal Regulations**

1. The portable drum mix HMA plant is subject to the provisions of the following federal regulations:
  - a. 40 CFR, Part 60, Standards of Performance for New Stationary Sources, Subpart A - General Provisions; and
  - b. 40 CFR, Part 60, Standards of Performance for New Stationary Sources, Subpart I, Standards of Performance for Hot Mix Asphalt Facilities.

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

2. The permittee shall comply with all applicable provisions of these standards, including all emission limits, notification, testing, monitoring, and reporting requirements. The major requirements of these standards are detailed in the special conditions of this permit.

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

### **Section C. Operational and Emission Limitations**

#### 1. Hour Limits

- a. The total operating hours of the drum mixer/dryer shall not exceed 2,250 hours in any rolling twelve-month (12-month) period.
- b. The total operating hours of the diesel engine generator shall not exceed 1,500 hours in any rolling twelve-month (12-month) period.

(Auth.: HAR §11-60.1-3, §11-60.1-90)

#### 2. Fuel Limitations

- a. The diesel engine generator shall be fired only on fuel oil No. 2 with a maximum sulfur content not to exceed 0.5% by weight.
- b. The drum mixer/dryer shall be fired only on fuel oil No. 2 with a maximum sulfur content not to exceed 0.5% by weight and on used cooking oil.
- c. The following requirements shall apply for firing used cooking oil:
  - i. Solids and residual water shall be removed from the cooking oil prior to burning the fuel in the drum mixer/dryer. Only cooking oil that has been properly processed shall be fired by the drum mixer/dryer.
  - ii. The Department of Health, at any time, may require the permittee to conduct an analysis of the used cooking oil for purposes of establishing limits to ensure compliance with any state or federal requirements.
  - iii. The Department of Health reserves the right to impose additional requirements to abate odors if a site evaluation indicates controls and/or restrictions are necessary.

- iv. Cooking oil fuel shall be obtained only from Pacific Biodiesel. Cooking oil may be obtained from other suppliers, provided written notification is submitted to the Department of Health and approved prior to using the fuel. Written notification shall identify the new supplier and include the cooking oil fuel specifications.

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

3. Particulate Matter Emissions Limit

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

(Auth.: HAR §11-60.1-3, §11-60.1-90, §11-60.1-161; 40 CFR §60.92)<sup>1</sup>

4. Venturi Scrubber

The venturi scrubber shall be maintained in good operating condition and utilized at all times during drum mixer/dryer operation to ensure compliance with Special Condition C.3. The flow rate of water through the venturi scrubber shall be maintained greater than 228 gallons per minute. The pressure drop across the venturi scrubber shall be maintained greater than 15.29 inches of water. The permittee shall take corrective action if monitoring indicates deviations from the above minimum flow rate and pressure drop requirements. Notification of any changes to the above pressure drop and/or flow rate, that ensure proper control efficiency for particulate matter, shall be in accordance with Attachment II, Special Condition E.6.

(Auth.: HAR §11-60.1-3, §11-60.1-90)

5. Fugitive Dust Limits

- a. The permittee shall take measures to control fugitive dust (e.g., wet suppression, enclosures, etc.) at all material transfer points and throughout the work yard, including all material transfer sites and stockpiles. The Department of Health may at any time require the permittee to further abate fugitive dust emissions if an inspection indicates poor or insufficient control.
- b. The permittee shall not cause or permit fugitive dust to become airborne without taking reasonable precautions and shall not cause or permit the discharge of visible emissions of fugitive dust beyond the lot line of the property boundary on which the emissions originate.

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

6. Opacity Limits

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

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

7. Location Changes

The operation of the equipment covered by this temporary covered source permit shall involve at least one (1) location change during the term of this permit. Subsequent location changes of the portable drum mix HMA plant shall be in accordance with Section G. For each change in location, the Department of Health reserves the right to impose additional operational controls and restrictions if a site evaluation or air modeling assessment indicates the controls and/or restrictions are necessary.

(Auth.: HAR §11-60.1-3, §11-60.1-81, §11-60.1-91)

**Section D. 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, and copies of all reports required by this permit. These records shall be in a permanent form suitable for inspection and made available to the Department of Health or their representative(s) upon request.

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

2. Hour Meter

A non-resetting hour meter shall be operated and maintained for the portable drum mixer/dryer and the diesel engine generator. Each meter shall permanently record the total hours operated for the purpose of the hourly limitations specified in this Attachment II, Special Condition C.1. The following records shall be recorded for the portable drum mixer/dryer and the diesel engine generator at each location:

- a. Date of meter readings;
- b. Beginning and ending meter readings;
- c. Total operating hours for each month; and
- d. Total operating hours on a twelve-month (12-month) rolling basis.

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

3. Flow Meter and Pressure Gauge

A flow meter and pressure gauge shall be operated and maintained for the venturi scrubber to monitor its operation. The following records shall be recorded for the venturi scrubber:

- a. Date of the flow meter and pressure gauge readings;
- b. The flow rate (gallons per minute) of water through the venturi scrubber on a daily basis; and
- c. The pressure drop across the venturi scrubber (inches of water) on a daily basis.

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

4. Inspection, Maintenance, and Repair Log

An inspection, maintenance, and repair log shall be maintained for the equipment covered under this permit. Replacement of parts and repairs to equipment shall be documented. At a minimum, the following records shall be maintained:

- a. Date of the inspection/repair work;
- b. A description of findings or any maintenance or repair work performed;
- c. The name and title of personnel performing the inspection/work; and
- d. Parts(s) inspected or repaired.

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

5. Fuel Consumption

The permittee shall maintain the following records for the fuels fired by the drum mixer/dryer and diesel engine generator:

- a. Invoices of the fuel oil No. 2 purchased that include the fuel type, sulfur content (percent by weight), date of delivery, and amount (gallons) of fuel delivered; and
- b. Invoices of the cooking oil purchased that include the date of delivery and amount (gallons) of fuel delivered.

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

6. HMA Production

The permittee shall maintain records on the tons of HMA produced on a monthly and annual basis.

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

7. Visible Emissions (V.E.)

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

(Auth.: HAR §11-60.1-3, §11-60.1-32, §11-60.1-90)

8. Performance Test

An annual source performance test shall be conducted on the portable drum mix HMA plant pursuant to Attachment II, Section F.

(Auth.: HAR §11-60.1-3, §11-60.1-90)

**Section E. Notification and Reporting Requirements**

1. Standard Condition Reporting

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

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

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

2. Deviations

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

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

3. Performance Testing

- a. **At least thirty (30) days prior to** conducting a source performance test pursuant to Attachment II, Section F, the permittee shall submit to the Department of Health a test plan indicating the date(s) of the scheduled performance test for the drum mix HMA plant.
- b. Written reports of the results of all source performance tests conducted to demonstrate compliance shall be submitted to the Department of Health **within sixty (60) days** after the completion of the performance test.

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

#### 4. Monitoring Reports

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

- a. Total operating hours of the diesel engine generator and the drum mixer/dryer on a monthly and twelve-month (12-month) rolling basis.
- b. The gallons of each fuel fired in the diesel engine generator and the drum mixer/dryer during the respective reporting period. Include the maximum sulfur content (percent by weight) of the fuel oil No. 2.
- c. Any deviations from the minimum required pressure drop and water flow rate specified for the venturi scrubber. Each exceedance reported shall include the date, pressure drop and/or flow rate reading, possible reason for exceedance, duration of exceedance, and corrective actions. If there were no exceedances, the permittee shall submit, in writing, a statement indicating that for the venturi scrubber there were no exceedances for that semi-annual period.
- d. Any opacity exceedances as determined by V.E. monitoring. Each exceedance reported shall include the date, six (6) minute average opacity reading, possible reason for exceedance, duration of exceedance, and corrective actions. If there were no exceedances, the permittee shall submit, in writing, a statement indicating that for the drum mixer/dryer and diesel engine generator there were no exceedances for that semi-annual period.

The enclosed **Annual Emissions/Monitoring Report Form: Fuel Consumption, Monitoring Report Form: Drum Mixer/Dryer Operating Hours, Monitoring Report Form: Diesel Engine Generator Operating Hours, Monitoring Report Form: Venturi Scrubber Operation, and Monitoring Report Form: Visible Emissions**, shall be used.

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

#### 5. Annual Emissions

As required by Attachment IV and in conjunction with the requirements of Attachment III, Annual Fee Requirements, the permittee shall submit annually the total tons per 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 enclosed **Annual Emissions Report Form: Drum Mix HMA Plant Production and Annual Emissions/Monitoring Report Form: Fuel Consumption**, shall be used.

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

(Auth.: HAR §11-60.1-3, §11-60.1-90)

6. Venturi Scrubber

The permittee shall report to the Department of Health any changes in the pressure drop and water flow rate for the venturi scrubber that may be necessary to maintain proper control of particulate matter. Notification of changes to the minimum requirements specified in Attachment II, Special Condition C.4 (e.g., changes as recommended by the manufacturer or based on information from performance tests) shall be submitted to the Department of Health for evaluation.

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

7. Compliance Certification

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

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

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

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

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

## **Section F. Testing Requirements**

### 1. Performance Test Methods

- a. On an annual basis or other times as specified by the Department of Health, performance tests on the drum mixer/dryer for particulate matter 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 with written consent from the Department of Health shall be used:
  - i. Performance testing for particulate matter emissions shall be conducted using 40 CFR, Part 60, Methods 1-5. For Method 5, the sampling time for each run shall be at least sixty (60) minutes and the minimum sample volume shall be at least 0.90 dscm (31.8 dscf); and
  - ii. Performance testing to determine opacity shall be conducted using Method 9.
- b. Note that method 5 cannot be used under the following conditions:
  - i. Cyclonic or swirly gas flow at the sampling location;
  - ii. Stack duct with a diameter less than 12 inches or a cross-sectional area less than 113 square inches; or
  - iii. Sampling location less than two stack or duct diameters downstream or less than a half diameter upstream from a flow disturbance.
- c. Particulate matter emissions shall be reported in two categories:
  - i. Front half (filter probe); and
  - ii. 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.

- d. 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. For each run, the following shall be recorded:
- i. HMA production rate in tons/hour;
  - ii. Type(s) of fuel fired by the drum mixer/dryer during the test;
  - iii. Average pressure drop across the venturi scrubber, in inches of water; and
  - iv. Average water flow rate for the venturi scrubber, in gallons per minute.

(Auth.: HAR §11-60.1-3, §11-60.1-5, §11-60.1-11, §11-60.1-90, SIP 11-60.1-15; 40 CFR 60.8, 40 CFR 60.93)<sup>1,2</sup>

2. Performance Test Plan

**At least thirty (30) calendar days** prior to conducting the performance test, the owner or operator shall submit a written performance test plan to the Department of Health that includes the date(s) of the test, test duration, test methods, source operation, and any other parameter that may affect the 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, SIP 11-60.1-15; 40 CFR 60.8)<sup>1,2</sup>

3. Performance Test Report

**Within sixty (60) days after** completion of the performance test, the permittee shall submit to the Department of Health the test report which shall include the operating conditions (e.g., ton per hour HMA production, fuel(s) fired, venturi scrubber flow rate and pressure drop readings, etc.) of the portable drum mix HMA plant, the summarized test results, comparative results with the permit emissions limits, and other pertinent field and laboratory data.

(Auth.: HAR §11-60.1-3, §11-60.1-11, §11-60.1-90, SIP 11-60.1-15)<sup>2</sup>

4. Testing Expense and Monitoring

Performance testing shall be made at the expense of the permittee and shall be conducted at the maximum expected operating capacity of the portable drum mix HMA plant. The Department of Health may monitor the tests.

(Auth.: HAR §11-60.1-3, §11-60.1-11, §11-60.1-90, SIP 11-60.1-15)<sup>2</sup>

5. Performance Test Waiver

Upon written request and justification, the Department of Health may waive the requirement for, or a portion of, a specific annual 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, the results of the prior tests indicating compliance by a wide margin, documentation of continuing compliance, and further that operations of the source have not changed since the previous source test.

(Auth.: HAR §11-60.1-3, §11-60.1-90)

6. Deviations

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

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

**Section G. Change of Location Requirements**

1. The permittee shall submit information regarding all succeeding location changes to the Department of Health for approval **at least thirty (30) days**, or such lesser time as designated and approved by the Department of Health, prior to the change in location. The information submitted shall include the following:
  - a. Name, address, and phone number of the facility and the plant site manager or other contact;
  - b. Temporary covered source permit number and expiration date;
  - c. Location map of the new temporary location containing the following information:
    - i. Identification of the property/fence lines; and
    - 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.
  - d. Area map showing the equipment and the new proposed location;
  - 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 and made payable to Clean Air Special Fund-COV.

(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 Department of Health using the attached form, "*Change of Location Request for a Temporary Source.*"

(Auth.: HAR §11-60.1-3, §11-60.1-91)

#### **Section H. Agency Notification**

1. Any document (including reports) required to be submitted by this temporary covered source permit shall be done in accordance with Attachment I, Standard Condition No. 29.

(Auth.: HAR §11-60.1-4, §11-60.1-90)

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

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

**ATTACHMENT II - INSIG: SPECIAL CONDITIONS  
TEMPORARY COVERED SOURCE PERMIT NO. 0380-01-CT**

**[Issuance Date]**

**[Expiration Date]**

In addition to the standard conditions of the covered source permit, the following special conditions shall apply to the permitted facility:

**Section A. Equipment Description**

1. This attachment encompasses the following insignificant activities:
  - a. 0.4 MMBtu/hr portable asphalt heater;
  - b. 10,000 gallon diesel storage tank;
  - c. 10,000 gallon liquid asphalt cement storage tank; and
  - d. 58 gallon portable propane storage tank.

(Auth.: HAR §11-60.1-3)

**Section B. Operational Limitations**

1. The permittee shall take measures to operate the insignificant activities listed above in accordance with the provisions of HAR, Subchapter 2.
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, §11-60.1-82, §11-60.1-90)

(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.
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, §11-60.1-90)

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

**Section D. Notification and Reporting**

1. During the permit term, the permittee shall submit at least **annually** to the Department of Health and U.S. EPA Region 9, Attachment V: Compliance Certification pursuant to HAR, Subsection 11-60.1-86. The permittee shall indicate whether or not compliance is being met with each term or condition of this permit. The compliance certification shall include at a minimum the following information:
  - a. The identification of each term or condition of the permit that is the basis of the certification;
  - b. The compliance status;
  - c. Whether compliance was continuous or intermittent;
  - d. The methods used for determining the compliance status of the source currently and over the reporting period; 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 Attachment V, 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**

1. Any document (including reports) required to be submitted by this 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)

**ATTACHMENT III: ANNUAL FEE REQUIREMENTS  
TEMPORARY COVERED SOURCE PERMIT NO. 0380-01-CT**

**[Issuance Date]**

**[Expiration Date]**

The following requirements for the submittal of annual fees are established pursuant to 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 temporary covered source.
2. The annual fees shall be determined and submitted in accordance with HAR, Chapter 11-60.1, Subchapter 6.
3. The annual emissions data for which the annual fees are based shall accompany the submittal of any annual fees and submitted on forms furnished by the Department of Health.
4. The annual fees and the emission data shall be mailed to:

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

**PROPOSED**

**ATTACHMENT IV: ANNUAL EMISSIONS REPORTING REQUIREMENTS  
TEMPORARY COVERED SOURCE PERMIT NO. 0380-01-CT**

**[Issuance Date]**

**[Expiration Date]**

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

1. Complete the attached **Annual Emissions Report Form: Drum-Mix HMA Plant Production** and **Annual Emissions/Monitoring Report Form: Fuel Consumption**.
2. The reporting period shall be from January 1 to December 31 of each year. All reports shall be submitted to the Department of Health within **sixty (60) days** after the end of each calendar year and shall be mailed to the following address:

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

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

ATTACHMENT V: COMPLIANCE CERTIFICATION  
TEMPORARY COVERED SOURCE PERMIT NO. 0380-01-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 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: Goodfellow Brothers, Inc.

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

Responsible Official (PRINT): \_\_\_\_\_

TITLE: \_\_\_\_\_

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

Complete the following information for **each** 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: \_\_\_\_\_

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

**ATTACHMENT V: COMPLIANCE CERTIFICATION  
TEMPORARY COVERED SOURCE PERMIT NO. 0380-01-CT  
(CONTINUED, PAGE 2 OF 2)**

**[Issuance Date]**

**[Expiration Date]**

In accordance with the HAR, 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:

c. If NO, explain.

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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.):

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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.)

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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:

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

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**PROPOSED**

**ANNUAL EMISSIONS REPORT FORM  
DRUM MIX HMA PLANT PRODUCTION  
TEMPORARY COVERED SOURCE PERMIT NO. 0380-01-CT**

**[Issuance Date]**

**[Expiration Date]**

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

**(Make Copies for Additional Use)**

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

Facility Name: Goodfellow Brothers, Inc.

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: \_\_\_\_\_

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

	Hot Mix Asphalt Production (tons)	NOTES
January		
February		
March		
April		
May		
June		
July		
August		
September		
October		
November		
December		
<b>TOTAL</b>		

**ANNUAL EMISSIONS/MONITORING REPORT FORM  
FUEL CONSUMPTION  
TEMPORARY COVERED SOURCE PERMIT NO. 0380-01-CT**

**[Issuance Date] [Expiration Date]**

In accordance with the HAR, Title 11, Chapter 60.1, Air Pollution Control, the permittee shall report to the Department of Health the nature and amounts of emissions semi-annually.

**(Make Copies for Additional Use)**

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

Facility Name: Goodfellow Brothers, Inc.

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

Equipment Description: 1) 174 TPH ASTEC, model no. PDM-630-C drum mixer/dryer with 76 MMBtu/hr Hauck Starjet burner, model no. SJ-360

2) 1,100 kW Caterpillar diesel engine generator, model no. 3512, serial no. 24Z01234

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

Responsible Official (PRINT): \_\_\_\_\_

TITLE: \_\_\_\_\_

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

Equipment	Fuel Consumed First Semi-Annual Period		Fuel Consumed Second Semi-Annual Period		Yearly Consumption
	Fuel Oil No. 2 (gallons)	Maximum Weight % Sulfur	Fuel Oil No. 2 (gallons)	Maximum Weight % Sulfur	Fuel Oil No. 2 (gallons)
Diesel Engine Generator					
Drum Mixer/Dryer					

Equipment	Fuel Consumed First Semi-Annual Period	Fuel Consumed Second Semi-Annual Period	Yearly Consumption
	Cooking Oil (gallons)	Cooking Oil (gallons)	Cooking Oil (gallons)
Drum Mixer/Dryer			

**PROPOSED**

**MONITORING REPORT FORM  
DRUM MIX/DRYER OPERATING HOURS  
TEMPORARY COVERED SOURCE PERMIT NO. 0380-01-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 Additional Use)**

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

Facility Name: Goodfellow Brothers, Inc.

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

Equipment Description: 174 TPH ASTEC, model no. PDM-630-C drum mixer/dryer with  
76 MMBtu/hr Hauck Starjet burner, model no. SJ-360

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

Responsible Official (PRINT): \_\_\_\_\_

TITLE: \_\_\_\_\_

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

Month	Monthly Operating Hours	Total Operating Hours (12-Month Rolling Basis)
January		
February		
March		
April		
May		
June		
July		
August		
September		
October		
November		
December		

**PROPOSED**

**MONITORING REPORT FORM  
DIESEL ENGINE GENERATOR OPERATING HOURS  
TEMPORARY COVERED SOURCE PERMIT NO. 0380-01-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 Additional Use)**

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

Facility Name: Goodfellow Brothers, Inc.

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

Equipment Description: 1,100 kW Caterpillar diesel engine generator, model no. 3512,  
serial no. 24Z01234

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

Responsible Official (PRINT): \_\_\_\_\_

TITLE: \_\_\_\_\_

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

Month	Monthly Operating Hours	Total Operating Hours (12-Month Rolling Basis)
January		
February		
March		
April		
May		
June		
July		
August		
September		
October		
November		
December		

**PROPOSED**

**MONITORING REPORT FORM  
VENTURI SCRUBBER OPERATION  
TEMPORARY COVERED SOURCE PERMIT NO. 0380-01-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 Additional Use)**

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

Facility Name: Goodfellow Brothers, Inc.

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

Equipment Description: Venturi Scrubber for Drum Mix/Dryer

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

Responsible Official (PRINT): \_\_\_\_\_

TITLE: \_\_\_\_\_

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

**Minimum Flow Rate and Pressure Drop Readings for the Reporting Period**

*Flow Rate:*

- a. Report the minimum flow rate of water through the line servicing the venturi scrubber and number of deviations from the minimum flow rate for the reporting period.

Minimum flow rate (gallons per minute): \_\_\_\_\_

Number of deviations from minimum required flow rate: \_\_\_\_\_

Corrective action(s) taken after deviation(s): \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

*Pressure Drop:*

- b. Report the minimum pressure drop across the venturi scrubber and number of deviations from the minimum pressure drop for the reporting period.

Minimum pressure drop (inches of water): \_\_\_\_\_

Number of deficiencies from minimum required pressure drop: \_\_\_\_\_

Corrective action(s) taken after deviation(s): \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_



**VISIBLE EMISSIONS FORM REQUIREMENTS  
STATE OF HAWAII**

The following visible emissions form shall be completed **monthly** (*each calendar month*) for the diesel engine generator and drum mixer/dryer in accordance with Method 9 or by use of a Ringelmann Chart as provided. At least **annually** (*calendar year*), visible emissions observations shall be conducted for diesel engine generator to opacity limits by a certified reader in accordance with Method 9. Annual opacity testing for the drum mixer/dryer shall be performed in accordance with Attachment II, Section F. The visible emissions form shall be completed as follows:

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

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

**VISIBLE EMISSIONS FORM  
STATE OF HAWAII**

**(Make Copies for Additional Use)**

Permit No. 0380-01-CT

Company Name: Goodfellow Brothers, Inc.

Equipment and Fuel: \_\_\_\_\_

**Site Conditions:**

Stack height above ground (ft): \_\_\_\_\_

Stack distance from observer (ft): \_\_\_\_\_

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

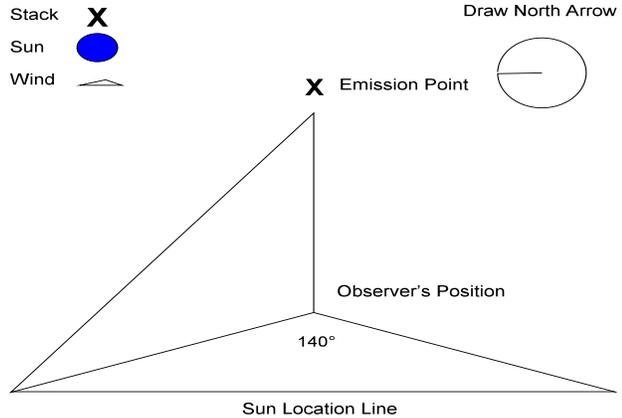
Sky conditions (% cloud cover): \_\_\_\_\_

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

Temperature (°F): \_\_\_\_\_

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

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



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

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

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

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

**CHANGE OF LOCATION REQUEST  
FOR A TEMPORARY SOURCE  
TEMPORARY COVERED SOURCE PERMIT NO. 0380-01-CT**

**[Issuance Date]**

**[Expiration Date]**

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

**(Make Copies for Future Use)**

1. The permittee shall complete this Change of Location Request Form regarding all succeeding location changes and shall submit this form to the 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/fence lines.
  - b. Location of all structures within 325 meters of the equipment. Provide the building dimensions (height, length, and width) of all structures that have heights greater than 40% of the stack height of the equipment.
3. The permittee shall submit a filing fee with each change in location request. The filing fees shall be made payable to the **Clean Air Special Fund-Con** and are as follows:
 

Noncovered Sources	Covered Sources:
<input type="checkbox"/> \$50.00 for Non-Air Toxic	<input checked="" type="checkbox"/> \$100.00 for Non-Air Toxic
<input type="checkbox"/> \$100.00 for Air Toxic	<input type="checkbox"/> \$300.00 for Air 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 temporary covered source permit and all applicable requirements.

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

1. Company Name: \_\_\_\_\_
2. Facility Name (if different from the Company): \_\_\_\_\_
3. Mailing Address: \_\_\_\_\_  
City: \_\_\_\_\_ State: \_\_\_\_\_ Zip Code: \_\_\_\_\_  
Phone Number: \_\_\_\_\_
4. Name of Owner/Owner's Agent: \_\_\_\_\_  
Title: \_\_\_\_\_ Phone: \_\_\_\_\_
5. Equipment Description: \_\_\_\_\_
6. Current Equipment Location: \_\_\_\_\_
7. **New Equipment Location:** \_\_\_\_\_
  - a. Plant site manager or other contact, if different than Current contact:  
\_\_\_\_\_
  - b. Phone Number: \_\_\_\_\_
  - c. Proposed start date at *New Location*: \_\_\_\_\_
  - d. Estimated project duration: \_\_\_\_\_
8. Brief description of the work to be performed. Also identify other air pollution sources owned and operated by the permittee at the new location, if any.:  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

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

Responsible Official (Print name): \_\_\_\_\_ Date: \_\_\_\_\_  
Title of Responsible Official: \_\_\_\_\_  
Responsible Official (Signature): \_\_\_\_\_