

PROPOSED

[Issuance Date]

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

04-XXXE CAB
File No. 0562-01

Mr. Christian Twigg-Smith
President
CTS Earthmoving, Inc.
P. O. Box 470
Holualoa, Hawaii 96725

Dear Mr. Twigg-Smith:

**Subject: Temporary Covered Source Permit (CSP) No. 0562-01-CT
CTS Earthmoving, Inc.
1,500 TPH Portable Crushing and Screening Plant
Located at: Various Temporary Sites, State of Hawaii
Initial Location: UTM-813,480 Meters East and 2,181,800 Meters North
(NAD 83), Kona, Hawaii
Date of Expiration: [Five Years 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 May 17, 2004, and the additional information received on June 16, 17, and 18, 2004.

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 - Insignificant Activities
Attachment III: Annual Fee Requirements
Attachment IV: Annual Emissions Reporting Requirements

The forms for submission are as follows:

Form C-2: Compliance Certification
Annual Emissions Report Form: Crushing and Screening Plant Production
Annual Emissions/Monitoring Report Form: Diesel Engine Fuel Consumption
Monitoring Report Forms: Diesel Engine Operating Hours
Monitoring Report Form: Visible Emissions
Change of Location Request for a Temporary Source Form

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The following are for use in monitoring visible emissions:

Visible Emissions Form Requirements State of Hawaii;
Visible Emissions Form State of Hawaii
The Ringelmann Chart

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

Sincerely,

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

MM:lk

Enclosures

c: Ed Yamamoto, EHS - Hawaii
CAB Monitoring Section
CAB Compliance and Enforcement Section

**ATTACHMENT I: STANDARD CONDITIONS
TEMPORARY COVERED SOURCE PERMIT NO. 0562-01-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 less than twelve (12) months and no more than eighteen (18) months prior to the permit expiration date. The Department of Health may allow a permit renewal application to be submitted no less than six (6) months prior to the permit expiration date, if the Department of Health determines that there is reasonable justification.

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

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

(Auth.: HAR §11-60.1-93)

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

(Auth.: HAR §11-60.1-90)

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

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

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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)

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

(Auth.: HAR §11-60.1-5, §11-60.1-90)

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

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

**ATTACHMENT II: SPECIAL CONDITIONS
TEMPORARY COVERED SOURCE PERMIT NO. 0562-01-CT**

[Issuance Date]

[Expiration Date]

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

Section A. Equipment Description

1. This permit encompasses a 1,500 TPH Thunderbird II jaw plant (serial no. 2217-03) and 560 TPH cone crusher plant (serial no. 51000) with following equipment:
 - a. Cedarapids vibrating grizzly feeder, serial no. 050813 (52" x 20');
 - b. 700-1,500 TPH Cedarapids jaw crusher, model no. 3054 JVDH-D 3962, serial no. 52169 (30" x 54" jaw size);
 - c. 560 TPH Cedarapids cone crusher, model no. MVP 380, serial no. R 10172;
 - d. Thunderbird II three-deck screen, model no. 6163.7-SH-O, serial no. 50393 (6' x 16');
 - e. Various Conveyors;
 - f. Water Spray System;
 - g. 300 hp Caterpillar diesel engine, model no. C-9, serial no. CLJ04382, and
 - h. 890 hp Caterpillar diesel engine, model no. 3412, serial no. 81Z23751.

(Auth.: HAR §11-60.1-3)

2. An identification tag or name plate shall be displayed on the crushers, grizzly feeder, three-deck screen, and each diesel engine 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 §11-60.1-5, HAR §11-60.1-90)

Section B. Applicable Federal Regulations

1. The 1,500 TPH portable crushing and screening plant, excluding the diesel engines, 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, §60.670)¹

2. The permittee shall comply with all of the 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)¹

Section C. Operational and Emission Limitations

1. Diesel Engine Operation

- a. The total operating hours of the 890 hp diesel engine shall not exceed 2,080 hours per any rolling twelve-month (12-month) period.
- b. The total operating hours of the 300 hp diesel engine shall not exceed 2,080 hours per any rolling twelve-month (12-month) period.
- c. For any six (6) minute averaging period, each diesel engine shall not exhibit visible emissions of twenty (20) percent or greater, except as follows: during startup, shutdown, or equipment breakdown, each diesel engine 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.
- d. Each diesel engine shall be fired only on fuel oil No. 2 with a fuel sulfur content not to exceed 0.5% by weight.
- e. Each diesel engine shall be maintained in good operating condition at all times with scheduled inspection and maintenance as recommended by the manufacturer or as needed.

(Auth.: HAR §11-60.1-3, §11-60.1-32, §11-60.1-38, §11-60.1-90; SIP §11-60-24)²

2. Fugitive Emission Limitations

- a. The permittee shall not cause to be discharged into the atmosphere from any crusher, fugitive emissions which exhibit greater than fifteen (15) percent opacity.
- b. The permittee shall not cause to be discharged into the atmosphere from any transfer point on belt conveyors or from any other affected facility, any fugitive emissions which exhibit greater than ten (10) percent opacity.
- c. 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, §11-60.1-161; 40 CFR §60.672)¹

3. Fugitive Emissions Control

- a. Measures shall be taken by the permittee to control fugitive dust at material transfer points, stockpiles, and throughout the workyard. The Department of Health may at any time require the permittee to further abate fugitive dust emissions if an inspection indicates poor or insufficient control. The following measures shall be used by the permittee to control fugitive dust:
 - i. A water spray truck shall be maintained and utilized on the grounds of the facility; and
 - ii. Water spray bars/nozzles for the water spray system shall be installed, operated, and maintained at:
 - (1) Feeder for primary jaw crusher;
 - (2) Primary jaw crusher;
 - (3) Conveyor transfer below cone crusher; and
 - (4) All screen to conveyor transfer sites.
- b. The water spray system shall be properly maintained and kept in good operating condition at all times to control fugitive emissions to the requirements specified in Attachment II, Special Condition No. C.2. 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.
- c. The portable crushing and screening plant shall not operate if observation or routine inspection of the wet suppression equipment, as required by Attachment II, Special Condition No. D.5.b, shows a significant drop in water flow rate, plugged nozzle(s), leak in the piping system, or other problem which affects its efficiency. The permittee shall investigate and correct the problem before resuming operations. The normal operating flow rate (gallons per minute) for the water spray system shall be established in the performance test conducted pursuant to Special Conditions, Section F. After review of the source test results, the Department of Health may set a requirement for minimum operating water flow rate.

(Auth.: HAR §11-60.1-3, §11-60.1-5, §11-60.1-33, §11-60.1-90)

4. 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 equipment shall be in accordance with Special Conditions, 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 indicates the controls and/or restrictions are necessary.

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

5. Alternate Operating Scenario

The permittee may replace each diesel engine with a temporary diesel engine if repair work reasonably warrants removal (i.e., equipment failure, engine overhaul, or any other major problems requiring maintenance of the engine for efficient operation) of the diesel engine, provided the following provisions are adhered to:

- a. A written request is submitted in accordance with Attachment II, Special Condition No. E.7.a and approved by the Department of Health prior to exchanging the diesel engine with a temporary replacement engine.
- b. The temporary replacement engine is the same size or smaller with equal or lower emissions.
- c. The temporary replacement engine complies with all applicable conditions required for the existing equipment including all operating restrictions and emission limits.
- d. Written notification for returning the original engine to service is submitted to the Department of Health in accordance with Attachment II, Special Condition No. E.7.b.
- e. Each diesel engine shall be repaired and returned to service in a timely manner.

(Auth.: HAR §11-60.1-3, §11-60.1-5, §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 applications. Support information includes all maintenance, inspection, and repair records, and copies of all reports required by this permit. These records shall be in a permanent form suitable for inspection and made available to the Department of Health or their representative(s) upon request.

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

2. Production

The permittee shall maintain records on the total tons and cubic yards of material processed by 1,500 TPH portable crushing and screening plant, by location, for purposes of annual emissions reporting.

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

3. Hours of Operation

A non-resetting hour meter shall be installed, operated, and maintained on each diesel engine for the continuous and permanent recording of the total hours operated for purposes of the hour limitations specified in Attachment II, Special Condition No. C.1.a and C.1.b. The following records shall be kept for each diesel engine at each location:

- a. The date of the meter readings;
- b. Beginning meter readings for each month;
- c. The total hours operated for each month at each location; and
- d. The total hours operated on a twelve-month (12-month) rolling basis.

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

4. Fuel Certification

Fuel purchase receipts, showing the fuel type, sulfur content (percent by weight), date of delivery, and amount (gallons) of fuel delivered to each location for each diesel engine shall be maintained. Fuel sulfur content may be demonstrated by providing the supplier's fuel specification sheet for the type of fuel purchased and received. Records on the total amount (gallons) of fuel fired by each diesel engine shall be maintained for purposes of annual emissions reporting and the fuel limitation specified in Attachment II, Special Condition No. C.1.d.

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

5. Water Spray System

- a. A non-resetting water flow meter shall be installed, operated, and maintained for the 1,500 TPH crushing and screening plant at each temporary site to determine the cumulative gallons of water used for fugitive dust control and gallon per minute flow rate for the water spray system servicing the equipment.
- b. The water spray system, to include the water pump, piping system, spray bars, spray nozzles, and water flow meter shall be checked daily to ensure proper operation of the water spray system.

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

6. 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 the portable crushing and screening plant, diesel engines, and water spray system shall be documented. At a minimum, the following records shall be maintained:

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

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

7. Performance Test

An initial source performance test and all annual source performance tests thereafter shall be conducted on the portable crushing and screening plant pursuant to Attachment II, Special Conditions, Section F. Test plans and results shall be maintained in accordance with the requirements of Section F.

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

8. Visible Emissions (V.E.)

- a. Except in those months where V.E. observations are conducted by a certified reader for the annual observations of each diesel engine, the permittee shall conduct **monthly** (*calendar month*) V.E. observations of each diesel engine 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**. For the V.E. observations of the diesel engines, the observer shall comply with the following additional requirements:
 - i. The distance between the observer and the emission source shall be at least three (3) stack heights but not more than 402 meters (0.25 miles); and
 - ii. The observer shall, when possible, select a position that minimizes interference from other fugitive or point source emissions. The required observer position relative to the sun (Method 9, Section 2.1) shall be followed.
- b. Except in those months where a performance test is conducted for fugitive emissions pursuant to Attachment II, Special Conditions, Section F, the permittee shall conduct **monthly** (*calendar month*) V.E. observations for the portable crushing and screening plant 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 for each equipment subject to the opacity limits specified in Attachment II, Special Condition Nos. C.2.a and C.2.b. For the V.E. observations of the fugitive emissions, the observer shall comply with the following additional requirements:

- i. The minimum distance between the observer and the emission source shall be 4.57 meters (15 feet) but not greater than 402 meters (0.25 miles);
 - ii. The observer shall, when possible, select a position that minimizes interference from other fugitive or point emission sources. The required observer position relative to the sun (40 CFR Part 60, Appendix A, Method 9, Section 2.1) shall be followed; and
 - iii. The observer shall record the operating capacity (tons/hr) of the primary jaw crusher at the time the observations were made.
- c. The permittee shall conduct **annually** (calendar year), V.E. observations for each diesel engine by a certified reader in accordance with 40 CFR Part 60, Appendix A, Method 9. For the annual observations, two (2) consecutive six (6) minute observations shall be taken at fifteen (15) second intervals. Records shall be completed and maintained in accordance with the **Visible Emissions Form Requirements**.
- d. The Department of Health may allow observation of a portion of the total fugitive emission points subject to opacity limits, if it can be demonstrated that operations have been in compliance with the permit. At a minimum, at least three fugitive emission points shall be observed each month. The selection of points shall include the primary crusher and the three-deck screen, or those points as specified by the Department of Health. Allowance to observe a portion of the total required fugitive emission points shall be obtained in writing from the Department of Health.
- e. Upon written request and justification by the permittee, the Department of Health may waive the requirement of the annual V.E. observation for the diesel engines. The waiver request is to be submitted prior to the required annual V.E. observation and must include documentation justifying such action. Documentation should include, but is not limited to, the results of the prior V.E. observations indicating compliance by a wide margin, documentation of continuing compliance, and further that operations of the source have not changed since the previous annual V.E. observation.

(Auth.: HAR §11-60.1-3, §11-60.1-5, §11-60.1-5, §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 Conditions Nos. 14, 16, 17 and 25, respectively:

- a. *Anticipated date of initial start-up, actual date of construction commencement, and actual date of start-up of the 1,500 TPH portable crushing and screening plant;*
- 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. 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 preventative measures taken. Corrective actions may include a requirement for additional source testing, more frequent monitoring, or could trigger 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 source performance tests pursuant to Attachment II, Special Conditions, Section F, the permittee shall submit to the Department of Health a test plan indicating the date(s) of the scheduled performance tests for the 1,500 TPH portable crushing and screening plant and the locations of the visible emissions readings.
- 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 tests and shall be in conformance with Attachment II, Special Condition No. F.7.

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

4. Monitoring Reports

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

- a. The total operating hours of each diesel engine on a monthly and twelve (12) month rolling basis.
- b. The number of gallons of fuel oil No. 2 fired in each diesel engine during the respective reporting period. Include the maximum sulfur content (percent by weight) of the fuel.
- c. Any opacity exceedances as determined by visible emissions monitoring of the portable crushing and screening plant and diesel engines. Each exceedance reported shall include the date, six (6) minute average opacity reading, possible reason for exceedance, duration of exceedance, and corrective actions taken. If there were no exceedances, the permittee shall submit, in writing, a statement that there were no exceedances for that semi-annual period for the emission points selected in accordance with Attachment II, Special Condition No. D.8.

The enclosed **Annual Emissions/Monitoring Report Form: Diesel Engine Fuel Consumption, Monitoring Report Form: Diesel Engine Operating Hours**, and **Monitoring Report Form: Visible Emissions** shall be used and be signed and dated by a responsible official.

(Auth.: HAR §11-60.1-3, §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 report **annually** the total tons/year emitted of each regulated air pollutant, including any 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: Crushing and Screening Plant Production** and **Annual Emissions/Monitoring Report Form: Diesel Engine Fuel Consumption** shall be used and be signed and dated by a responsible official.

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. Compliance Certification

During the permit term, the permittee shall submit at least **annually** to the Department of Health and U.S. EPA Region 9, **Form C-2: 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 an 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)

7. Alternate Operating Scenario

For interchanging each diesel engine with a temporary replacement diesel engine, the permittee shall submit:

- a. A written notification prior to exchanging the diesel engine(s) with a temporary replacement engine. The notification shall identify the reason(s) for replacement, the anticipated date of replacement, diesel engine serial numbers, replacement engine

specifications and model number, the estimated emissions (tons per year, pound per hour, and grams per second) for the temporary replacement engine, and an ambient air quality impact assessment, if requested, for the temporary engine(s) at the location of replacement.

- b. Written notification **within fifteen (15) days** after removing the replacement engine and returning the original engine to service. The request shall identify the beginning and ending dates of operation for the replacement diesel engine and original diesel engine.

(Auth.: HAR §11-60.1-3, §11-60.1-90)

8. Stack Height

- a. The Department of Health shall be notified in writing within **fifteen (15) days** after initial start-up, the completion of the stack height extension for the 890 hp diesel engine to a minimum height of 21.3 feet above ground level.
- b. The Department of Health shall be notified in writing within **fifteen (15) days** after initial start-up, the completion of the stack height extension for the 300 hp diesel engine to a minimum height of 19.7 feet above ground level.

(Auth.: HAR §11-60.1-3, §11-60.1-90)

Section F. Testing Requirements

1. Performance Testing

Within sixty (60) days after achieving the maximum production rate at which the 1,500 TPH portable crushing and screening plant will be operated, but **not later than one-hundred eighty (180) days after** the initial start-up of such facility and annually thereafter, the permittee shall conduct or cause to be conducted performance tests on the plant. Tests shall be conducted for plant equipment subject to the opacity limits specified in Attachment II, Special Condition Nos. C.2.a and C.2.b. The Department of Health may require testing at other points in the facility if an inspection indicates poor or insufficient controls.

(Auth.: HAR §11-60.1-3, §11-60.1-5, §11-60.1-11, §11-60.1-90; 40 CFR §60.675)¹

2. Performance Test Methods

- a. Performance tests for the determination of opacity 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 the following additions for the fugitive emissions observations:
 - i. The minimum distance between the observer and the emissions source shall be 4.57 meters (15 feet) but not greater than 402 meters (0.25 miles);
 - ii. 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; and
 - iii. The observer shall record the operating capacity (tons/hr) of the primary crusher and at the time observations were made.
- b. When determining compliance with the fugitive emissions standard specified in Attachment II, Special Condition No. C.2.a for each crusher, the duration of Method 9 may be reduced from three (3) hours (thirty 6-minute averages) to one (1) hour (ten 6-minute averages) only if the following conditions apply:
 - i. There are no individual readings greater than fifteen (15) percent opacity; and
 - ii. There are no more than three (3) readings of fifteen (15) percent for the 1-hour period.
- c. When determining compliance with the fugitive emissions standard specified in Attachment II, Special Condition No. C.2.b for any transfer point on the belt conveyor(s) or for any other affected facility, the duration of Method 9 may be reduced from three (3) hours (thirty 6-minute averages) to one (1) hour (ten 6-minute averages) only if the following conditions apply:
 - i. There are no individual readings greater than ten (10) percent opacity; and
 - ii. There are no more than three (3) readings of ten (10) percent for the 1-hour period.
- d. When determining compliance with the fugitive emissions standards of Attachment II, Special Condition Nos. C.2.a and C.2.b, if emissions from two or more facilities continuously interfere so that the opacity of fugitive emissions from an individual affected facility cannot be read, either of the following procedures may be used:
 - i. Use for the combined emission stream, the highest fugitive opacity standard applicable to any of the individual affected facilities contributing to the emissions stream.

ii. Separate the emissions so that the opacity of emissions from each affected facility can be read.

e. If, after **thirty (30) days** notice for an initially scheduled performance test, there is a delay (due to operational problems, etc.) in conducting any rescheduled performance test required by Section F, the permittee shall submit a notice to the Department of Health at least **seven (7) days prior** to any rescheduled performance test.

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

4. Testing Expense and Monitoring

Performance tests shall be made at the expense of the permittee and shall be conducted at the maximum expected production rate at which the plant will be operated. All tests may be monitored by the Department of Health.

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

5. 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, §11-60.1-5, §11-60.1-11, §11-60.1-90)

6. Performance Test Plan

At least **thirty (30) days prior** to conducting a source performance test, the permittee 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, and other parameters that may affect test results. Such a plan shall conform to U.S. EPA guidelines, including quality assurance procedures. A test plan or quality assurance plan that does not have the approval of the Department of Health may be grounds to invalidate any test and require a retest.

(Auth.: HAR §11-60.1-3, §11-60.1-5, §11-60.1-11, §11-60.1-90; 40 CFR §60.8, SIP §11-60-15)^{1, 2}

7. Performance Test Report

Within sixty (60) days after completion of each performance test, the permittee shall submit to the Department of Health the test report which shall include the operating conditions of the facility (e.g., water flow rate in gallons per minute for wet suppression, primary crusher closed side setting, etc.), the summarized test results, 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. The performance test report shall include the primary crusher operating rate (tons/hr) at the closed side setting, locations of where the visible emissions were read, visible emission readings, location of water sprays, and normal operating gallon per minute flow rate of the water spray system during the test. The normal operating water flow rate of the water spray system shall be determined by the water flow rate used during the source performance test that demonstrates compliance with the opacity limits.

(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}

8. Performance Test Waiver

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

(Auth.: HAR §11-60.1-3, §11-60.1-90)

Section G. Change of Location Requirements

1. The permittee shall complete and submit information regarding all 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. Identification of current location;

- d. Location map of the proposed 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; and
 - iii. List of the equipment, equipment model and serial numbers, and plant configuration;
- e. Area map showing the equipment and the new proposed location;
- f. Projected dates of operation at the new location;
- g. Identification of any other air pollution sources at the new location;
- h. Certification that no modification will be made to the equipment and operational methods will remain similar as permitted under this temporary covered source permit at the new location; and
- i. 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, §11-60.1-5, §11-60.1-90, §11-60.1-91)

2. The applicable filing fee shall be submitted to the Department of Health with each change in location request 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*," along with the area maps showing the equipment and the new proposed location.

(Auth.: HAR §11-60.1-3, §11-60.1-91)

Section H. Agency Notification

1. Any document (including reports) required to be submitted by the 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 - INSIGNIFICANT ACTIVITIES
TEMPORARY COVERED SOURCE PERMIT NO. 0562-01 -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. Attachment II - INSIG encompasses the following insignificant activities:
 - a. 235 gallon fuel oil No. 2 storage tank servicing 300 hp diesel engine; and
 - b. 500 gallon fuel oil No. 2 storage tank servicing 890 hp diesel engine.

(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.
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(s) 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)

CSP No. 0562-01-CT
Attachment II - INSIG
Page 2 of 2
[Issuance Date]
[Expiration Date]

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, **Form C-2, 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 **Form C-2: Compliance Certification**, 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)

PROPOSED

**ATTACHMENT III: ANNUAL FEE REQUIREMENTS
TEMPORARY COVERED SOURCE PERMIT NO. 0562-01-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 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 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. 0562-01-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 following attachments:
 - a. **Annual Emissions Report Form: Crushing and Screening Plant Production;** and
 - b. **Annual Emissions/Monitoring Report Form: Diesel Engine 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 Department of Health and clearly identifying the specific information that is to be accorded confidential treatment.

FORM C-2: COMPLIANCE CERTIFICATION
TEMPORARY COVERED SOURCE PERMIT NO. 0562-01-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 Additional Use)

For Period: _____ Date: _____

Facility Name: _____

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

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

**FORM C-2: COMPLIANCE CERTIFICATION
TEMPORARY COVERED SOURCE PERMIT NO. 0562-01-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.

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

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

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

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

YES NO

b. If YES, identify those requirements:

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

**ANNUAL EMISSIONS REPORT FORM
CRUSHING AND SCREENING PLANT PRODUCTION
TEMPORARY COVERED SOURCE PERMIT NO. 0562-01-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 Reporting Period: _____ Date: _____

Company Name: CTS Earthmoving, Inc.

Facility Name: _____

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: _____

Responsible Official (Signature): _____

1. Report the total tons of aggregate processed per year for the plant: _____

2. Report the following for the reporting period:

Operation	Pollution Control Measures	Control Efficiency (% Reduction)
Primary Crushing		
Secondary Crushing		
Three-Deck screening		
Truck Loading/Unloading		
Conveyor Transfer Points		
Active Stock Piles		

* Emissions based on ton/yr material processed that is initially crushed by primary crusher.

NOTE: Control measures include water sprays, partial enclosures, screens, housing and duct work to baghouses.

Use the following Control Efficiencies, unless documentation is available to show otherwise:

1. Baghouses: 99%
2. Water sprays, Damp Material, or Shroud: 70%
3. Wet Slurry: 100%

Efficiency factors may be reduced by the Department of Health, if there are any indications that a source's air pollution control device is not operating at the specified efficiency.

**ANNUAL EMISSIONS/MONITORING REPORT FORM
DIESEL ENGINE FUEL CONSUMPTION
TEMPORARY COVERED SOURCE PERMIT NO. 0562-01-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 following information semi-annually:

(Make Copies for Additional Use)

For Reporting Period: _____ Date: _____

Company Name: CTS Earthmoving, Inc.

Facility Name: _____

Equipment Location: _____

Equipment Description: 300 hp Diesel Engine, Serial No. CLJ04382

890 hp Diesel Engine, Serial No. 81Z23751

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): _____

Unit Serial No.	Type of Fuel Fired	Maximum Weight % Sulfur	Fuel Consumed First Semi-annual Period (gallons)	Fuel Consumed Second Semi-annual Period (gallons)	Total Yearly Fuel Consumed (gallons)
CLJ04382					
81Z23751					

**MONITORING REPORT FORM
DIESEL ENGINE OPERATING HOURS
TEMPORARY COVERED SOURCE NO. 0562-01-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 following information semi-annually:

(Make Copies for Additional Use)

For Period: _____

Date: _____

Company Name: CTS Earthmoving, Inc.

Equipment Location: _____

Model No.: C-9

Serial No.: CLJ04382

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 (300 hp)	Total Operating Hours 12-Month Rolling (300 hp)	Notes
January			
February			
March			
April			
May			
June			
July			
August			
September			
October			
November			
December			

**MONITORING REPORT FORM
DIESEL ENGINE OPERATING HOURS
TEMPORARY COVERED SOURCE NO. 0562-01-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 following information semi-annually:

(Make Copies for Additional Use)

For Period: _____

Date: _____

Company Name: CTS Earthmoving, Inc.

Equipment Location: _____

Model No.: 3412

Serial No.: 81Z23715

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 (890 hp)	Total Operating Hours 12-Month Rolling (890 hp)	Notes
January			
February			
March			
April			
May			
June			
July			
August			
September			
October			
November			
December			

PROPOSED

VISIBLE EMISSIONS FORM REQUIREMENTS STATE OF HAWAII

The following visible emissions form shall be completed **monthly** (*each calendar month*) for the portable crushing and screening plant and diesel engines in accordance with Method 9 or by use of a Ringelmann Chart as provided. At least **annually** (*calendar year*), visible emissions (V.E.) observations shall be conducted for each emissions point subject to opacity limits by a certified reader. 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 V.E. form using the symbols as shown.
3. For the diesel engine stacks, stand at least three (3) stack heights, but not more than a quarter mile from the stack.
4. For emission sources from the portable crushing and screening plant subject to opacity limits, stand at least 4.57 meters (15 feet) from the emission source, but not more than a quarter mile from the source.
5. Two (2) observations shall be taken at fifteen (15) second intervals for six (6) consecutive minutes for each equipment.
6. The six (6) minute average opacity reading shall be calculated for each observation.
7. If possible, the observations shall be performed as follows:
 - a. Read from where the line of sight is at right angles to the wind direction.
 - b. The line of sight shall not include more than one (1) plume at a time.
 - c. Read at the point in the plume with the greatest opacity (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 fifteen (15) second intervals only. Do not read continuously.
 - e. The plant/equipment shall be operating at maximum permitted or expected capacity.
8. If the plant/equipment was shut-down for that period, briefly explain the reason for shut-down in the comment column.

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

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.

PROPOSED

VISIBLE EMISSIONS FORM STATE OF HAWAII

(Make Copies for Additional Use for Each Equipment)

Permit No.: 0562-01-CT

Company Name: CTS Earthmoving, Inc.

Equipment and Fuel: _____

Site Conditions:

Stack/emission-point height above ground (ft): _____

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

Emission color (black or white): _____

Sky conditions (% cloud cover): _____

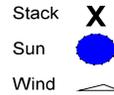
Wind speed (mph): _____

Temperature (°F): _____

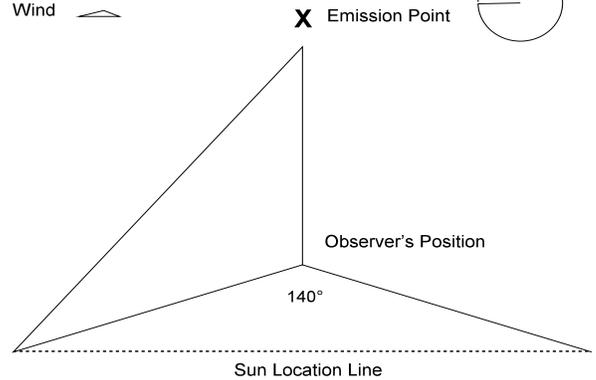
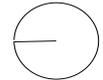
Observer name: _____

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. 0562-01-CT**

[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 Additional 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 fee shall be made payable to the **Clean Air Special Fund-COV** and are as follows:

Noncovered Sources
____ \$50 for Non-Air Toxic
____ \$100 for Air Toxic

Covered Sources:
 X \$100 for Non-Air Toxic
____ \$300 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 noncovered/covered source permit and all applicable requirements.

