

[Issuance Date]

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

06-XXXE CAB
File No. 0475-01

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. 0475-01-CT
Permit Renewal Application No. 0475-03
CTS Earthmoving, Inc.
357 TPH Crushing and Screening Plant
Located at: Various Temporary Sites, State of Hawaii
Date of Expiration: 5 Years from Issuance**

The subject 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 you submitted as part of your application received on July, 20 2005. This permit supersedes CSP No. 0475-01-CT, issued on September 22, 2003 under permit application number 0475-02, in its entirety.

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

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

The forms for submission are as follows:

- Compliance Certification Form
- Change of Location Request for a Temporary Source Form
- Annual Emissions Report Form: Crushing and Screening Plant
- Annual Emissions Report Form: Diesel Engines
- Monitoring Report Form: Diesel Engines
- Monitoring Report Form: Visible Emissions

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Enclosed are the following forms for use in monitoring visible emissions:

- a. Visible Emissions Form Requirements State of Hawaii
- b. Visible Emissions Form – Diesel Engines
- c. Visible Emissions Form – Crushing and Screening Plant
- d. 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:jhm

Enclosures

- c: Fred Peyer, EMET
Wendell Sano, EHS - Kona
CAB Monitoring Section

**ATTACHMENT I: STANDARD CONDITIONS
TEMPORARY COVERED SOURCE PERMIT NO. 0475-01-CT**

[Issuance Date]

[Expiration Date]

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

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

(Auth.: HAR §11-60.1-90)
2. This permit, or a copy thereof, shall be maintained at or near the source and shall be made available for inspection upon request. The permit shall not be willfully defaced, altered, forged, counterfeited, or falsified.

(Auth.: HAR §11-60.1-6; SIP §11-60-11)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 U.S. Environmental Protection Agency (EPA), Region 9.

(Auth.: HAR §11-60.1-5, §11-60.1-7, §11-60.1-94)
6. The facility covered by this permit shall be constructed and operated in accordance with the application, and any information submitted as part of the application, for the Covered Source Permit. There shall be no deviation unless additional or revised plans are submitted to and approved by the Department of Health, and the permit is amended to allow such deviation.

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

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

(Auth.: HAR §11-60.1-5, §11-60.1-82)

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

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

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

(Auth.: HAR §11-60.1-90)

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

(Auth.: HAR §11-60.1-90)

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

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

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

(Auth.: HAR §11-60.1-90)

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

(Auth.: HAR §11-60.1-90)

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

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

(Auth.: HAR §11-60.1-90)

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

(Auth.: HAR §11-60.1-14, §11-60.1-90)

16. The permittee shall notify the Department of Health in writing, of the **intent to shut down air pollution control equipment for necessary scheduled maintenance** at least twenty-four (24) hours prior to the planned shutdown. The submittal of this notice shall not be a defense to an enforcement action. The notice shall include the following:

- a. Identification of the specific equipment to be taken out of service, as well as its location and permit number;
- b. The expected length of time that the air pollution control equipment will be out of service;
- c. The nature and quantity of emissions of air pollutants likely to be emitted during the shutdown period;
- d. Measures such as the use of off-shift labor and equipment that will be taken to minimize the length of the shutdown period; and
- e. The reasons why it would be impossible or impractical to shut down the source operation during the maintenance period.

(Auth.: HAR §11-60.1-15; SIP §11-60-16)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 the excess emission;
 - e. Cause and nature of each excess emission;
 - f. Description of the steps taken to remedy the situation, prevent a recurrence, limit the excessive emissions, and assure that the malfunction or breakdown does not interfere with the attainment and maintenance of the National Ambient Air Quality Standards and state ambient air quality standards;
 - g. Documentation that the equipment or process was at all times maintained and operated in a manner consistent with good practice for minimizing emissions; and
 - h. A statement that the excess emissions are not part of a recurring pattern indicative of inadequate design, operation, or maintenance.

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

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

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

(Auth.: HAR §11-60.1-14, §11-60.1-90)

19. This permit shall become invalid with respect to the authorized construction if construction is not commenced as follows:
- a. Within eighteen (18) months after the permit takes effect, is discontinued for a period of eighteen (18) months or more, or is not completed within a reasonable time.

- b. For phased construction projects, each phase shall commence construction within eighteen (18) months of the projected and approved commencement dates in the permit. This provision shall be applicable only if the projected and approved commencement dates of each construction phase are defined in Attachment II, Special Conditions, of this permit.

(Auth.: HAR §11-60.1-9, §11-60.1-90)

20. The Department of Health may extend the time periods specified in Standard Condition No. 19 upon a satisfactory showing that an extension is justified. Requests for an extension shall be submitted in writing to the Department of Health.

(Auth.: HAR §11-60.1-9, §11-60.1-90)

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

(Auth.: HAR §11-60.1-90)

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

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

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

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

(Auth.: HAR §11-60.1-11, §11-60.1-90)

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

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

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

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

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

(Auth.: HAR §11-60.1-93)

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

(Auth.: HAR §11-60.1-90)

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

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

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

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

(Auth.: HAR §11-60.1-4, §11-60.1-90)

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

(Auth.: HAR §11-60.1-5, §11-60.1-90)

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. 0475-01-CT**

[Issuance Date]

[Expiration Date]

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

Section A. Equipment Description

1. This permit encompasses the following equipment and associated appurtenances for the 357 TPH portable crushing and screening plant:
 - a. Aggregate Machinery, Inc. vibrating grizzly feeder, model no. 4218-G4-VGF-C2729, serial no. 10163;
 - b. 178-357 TPH Kolberg-Pioneer primary jaw crusher, model no. 3042JVDH-D2853, serial no. 404793 (30" x 42" jaw size);
 - c. 400 TPH Cedarapids Canica VSI crusher, model no. 2100, serial no. 28D0186;
 - d. 270-380 TPH ElJay/Cedarapids secondary cone crusher, model no. 54 ElJay standard, serial no. 863 (54" cone head);
 - e. ElJay/Cedarapids three-deck screen, model no. FSG 6163-32, serial no. 34C0689;
 - f. Balzer Pacific Equipment Company, JCI three-deck screen, model no. JCI6203-32LP, serial no. 02LP12E32, plant identification no. J-14018;
 - g. Various conveyors, including an Aggregate Machinery, Inc. portable conveyor, model no. 3650CL15-C2216, serial no. 10115-3;
 - h. Water spray system;
 - i. 692 hp Caterpillar diesel engine, model no. C-16, serial no. BFM00625, servicing the 400 TPH VSI crusher;
 - j. 362 hp Caterpillar diesel engine, model no. 3306, serial no. 64Z28992 servicing the primary jaw crusher, feeder, and associated conveyors;
 - k. 519 hp Caterpillar diesel engine generator, model no. 3406, serial no. 4JK00051, servicing the cone crusher, three-deck screens, and associated conveyors; and
 - l. 174 bhp Caterpillar diesel engine generator, model no. 3304, serial no. 9HK00332.

(Auth.: HAR §11-60.1-3)

2. An identification tag or name plate shall be displayed on the crushers, screens, portable conveyor, grizzly, and diesel engines 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, §11-60.1-90)

Section B. Applicable Federal Regulations

1. Except for the cone crusher serial number 836, three-deck screen serial number 34C0689, and conveyors that are an integral part of cone crusher and three-deck screen, the crushing and screening equipment above for the 357 TPH 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 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 each diesel engine and diesel engine generator shall not exceed 2,080 hours in any rolling twelve-month (12-month) period.
- b. The minimum stack height for the 362 hp diesel engine shall be 16.4 feet above ground level.
- c. The minimum stack height for the 519 hp diesel engine generator and 174 bhp diesel engine generator shall be 10 feet above ground level.
- d. The minimum stack height for the 692 hp diesel engine shall be 14.2 feet above ground level.
- e. For any six (6) minute averaging period, each diesel engine and diesel engine generator shall not exhibit visible emissions of twenty (20) percent or greater, except as follows: during start-up, shutdown, or equipment breakdown, each diesel engine and diesel engine generator 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.
- f. Each diesel engine and diesel engine generator shall be fired only on fuel oil No. 2 with a maximum sulfur content not to exceed 0.5% by weight.

- g. Each diesel engine and diesel engine generator shall be maintained in good operating condition at all times with scheduled inspections and maintenance as recommended by the manufacturer and as needed.

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

2. Fugitive Emission Limits

- a. The permittee shall not cause to be discharged into the atmosphere from the jaw crusher and VSI 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 the belt conveyors or from any other affected facility, 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 work site. 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 at each crushing and screening plant work site; and
 - ii. Water spray bars/nozzles for the water spray system shall be installed, operated, and maintained at:
 - 1) Primary jaw crusher;
 - 2) Conveyor-to-conveyor transfer point between primary crusher and three-deck screen;
 - 3) conveyor transfer below cone crusher;
 - 4) VSI crusher;
 - 5) Each three-deck screen; and
 - 6) Discharge end of each stacking conveyor for transfer to stockpile.

- 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 indicate poor or insufficient control.
- c. The crushing and screening plant shall not be operated if observation, or the routine inspection of dust control equipment, as required in Attachment II, Special Condition No. D.5.b. indicates a significant drop in water flow rate, plugged nozzle(s), leak in the piping system, or other problems which affect the efficiency of the water spray system. The permittee shall investigate and correct any problem(s) before resuming operation. The normal operating flow rate (gal/min) for the water spray system shall be established in the performance test conducted pursuant to Attachment II, Section F, and may be incorporated into the permit.

(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 crushing and screening plant shall be in accordance with Attachment II, 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 §11-60.1-81 and HAR §11-60.1-91)

5. Alternate Operating Scenario

The permittee may replace each primary diesel engine and diesel engine generator with a temporary replacement unit 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 primary engine, provided the following provisions are adhered to:

- a. A written notification is submitted in accordance with Attachment II, Special Condition No. E.7.a and approval obtained by the Department of Health prior to exchanging the primary diesel engine and diesel engine generator with another unit.
- b. The temporary replacement engine is the same size or smaller than the primary diesel engine with equal or lower emissions.
- c. The temporary replacement engine complies with all applicable conditions required for the primary equipment, including all operating restrictions and emissions limits.

- d. Written notification for returning the primary engine to service is submitted to the Department of Health in accordance with Attachment II, Special Condition No. E.7.b.

(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 application. Support information includes all maintenance, inspection, and repair records, and copies of all reports required by this permit. These records shall be in a permanent form suitable for inspection and made available to the Department of Health or its representative(s) upon request.

(Auth.: HAR §11-60.1-3, §11-60.1-5, §11-60.1-81, §11-60.1-91)

2. Production

The permittee shall maintain records on the total tons and cubic yards of material processed by the 357 TPH 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. Operating Hours

A non-resetting hour meter shall be installed, operated, and maintained on each diesel engine and diesel engine generator for the continuous and permanent recording of the total hours operated for purposes of the hour limits specified in Attachment II, Special Condition Nos. C.1. The following hourly operation records shall be kept for the diesel engines:

- a. Date of meter readings;
- b. Meter reading at the beginning of each month;
- c. Total hours operated each month; and
- d. Total hours operated on twelve (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 (% by weight), date of delivery, and amount (gallons) of fuel delivered for each diesel engine and diesel engine generator 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 the diesel engines shall be maintained for purposes of annual emissions reporting and the sulfur content limit specified in Attachment II, Special Condition No. C.1.f.

5. Water Spray System

- a. A non-resetting water flow meter shall be installed, operated, and maintained for the 357 TPH crushing and screening plant to determine the cumulative gallons of water for dust control and gallon per minute flow rate for the water spray system servicing the plant.
- b. The water spray system, including the water pump, piping system, spray nozzles, and water flow meter shall be checked daily and as necessary 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. Inspection and replacement of parts and repairs to the crushers, screens, conveyors, water spray system, diesel engines, and diesel engine generators, shall be well documented. At a minimum, the following records shall be maintained:

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

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

7. Performance Tests

Annual source performance tests shall be conducted on the 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 when V.E. observations are conducted by a certified reader for the annual observation of each diesel engine and diesel engine generator, the permittee shall conduct monthly (calendar month), V.E. observations of each unit 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 Visible Emission Observation Form requirements. For the V.E. observations of the equipment, 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);
 - ii. The observer shall, when possible, select a position that minimizes interference from other sources of visible emissions. The required observer position relative to the sun (Method 9, Section 2.1) shall be followed.
- b. Except in those months when performance tests are conducted for fugitive emissions pursuant to Attachment II, Special Conditions, Section F, the permittee shall conduct monthly (calendar month), V.E. observations for the 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 opacity limits as 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 visible emission sources. The required observer position relative to the sun (Method 9; Section 2.1) shall be followed.
 - iii. The observer shall record the operating capacity (ton/hr) of the plant at the time the observations were made.
 - iv. The observer shall record the flow rate (gallon/minute) for the water spray system servicing the crushing and screening plant.
- c. The permittee shall conduct annually (calendar year), V.E. observations for each diesel engine and diesel engine generator by a certified reader in accordance with 40 CFR, Part 60, Appendix A, Method 9. For the annual observation, 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 Observation Form requirements.

- d. Upon written request and justification by the permittee, the Department of Health may waive the requirement for the annual V.E. observation of each diesel engine and 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. observation indicating compliance by a wide margin, documentation of continuing compliance, and further documentation 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, §11-60.1-90)

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. 16, 17, and 24, 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 exceedences due to emergencies); and
- c. Permanent discontinuance of construction, modification, relocation, or operation of the facility covered by this permit.

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

2. Deviations

The permittee shall report in writing **within five (5) working days** any deviations from 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 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 Special Conditions, Section F, the permittee shall submit a written performance test plan to the Department of Health in accordance with Attachment II, Special Condition No. F.5.

- b. Written reports of the results of the 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, and shall be in conformance with Attachment II, Special condition No. F.6 .

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

4. 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 per 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** and **Annual Emissions Report Form – Diesel Engines** shall be used.

Upon written request by 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)

5. 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 the following:

- a. Total operating hours of the diesel engines and diesel engine generators on a monthly and twelve (12) month rolling basis.
- b. Identification of the type(s) of fuel fired by the diesel engines and diesel engine generators during the respective reporting period. Include the maximum sulfur content (% by weight) of each fuel.
- c. Identification of any opacity exceedances as determined by the required V.E. monitoring of the crushing and screening plant, diesel engines, and diesel engine generators. 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 indicating that for each equipment there were no exceedances for that semi-annual period.

The enclosed **Monitoring Report Form: Diesel Engines** and **Monitoring Report Form: Visible Emissions** shall be used.

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

- 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 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 primary diesel engine and diesel engine generators with a replacement unit, the permittee shall submit:

- a. A written notification prior to exchanging the primary diesel engine and diesel engine generator with a replacement engine. The notification shall identify the reason(s) for the replacement, replacement and primary engine serial numbers, replacement engine specifications and model number, the estimated emissions (tons per year, pounds per hour, and grams per second) for the temporary replacement engine, and an ambient air quality impact assessment, if requested, for the temporary engine at the location of replacement.
- b. Written notification **within fifteen (15) days** after removing the replacement engine and returning the primary engine to service. The notification shall identify the beginning and ending dates of operation for the primary diesel engine and temporary replacement unit.

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

Section F. Testing Requirements

1. Performance Testing

On an annual basis or at such other times as determined by the Department of Health, the permittee shall conduct or cause to be conducted performance tests on the crushing and screening plant to determine the opacity of emissions. Tests shall be conducted for each point subject to an opacity limit as specified in Attachment II, Special Condition Nos. C.2.a and C.2.b.

(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. Performance Test Methods

- a. Performance tests for 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:
 - 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);
 - i. The observer shall, when possible, select a position that minimizes interference from other visible emission sources. The required observer position relative to the sun (Method 9, Section 2.1) shall be followed.

- iii. The observer shall record the operating capacity (tons/hr) of the plant at the time observations were made.
- iv. The observer shall record the flow rate for the water spray system in gallons/minute.
- b. When determining compliance with the fugitive dust emissions standard specified in Special Condition No. C.2.a for the jaw and VSI crushers, 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 one-hour period.
- c. When determining compliance with the fugitive emissions standard specified in Special Condition No. C.2.b for transfer points 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 one-hour period.
- d. When determining compliance with the fugitive emissions standards of Special Conditions 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

3. Testing Expense and Monitoring

The 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 performance tests may be monitored by the Department of Health.

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

4. 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)

5. Performance Test Plan

At least thirty (30) days prior to conducting the performance test, the permittee shall submit a written performance test plan to the Department of Health and U.S. EPA, Region 9 that includes date(s) of the test, test duration, test locations, test methods, source operation, test locations, and other parameters 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; 40 CFR 60.8, SIP §11-60.1-15)^{1,2}

6. Performance Test Report

Within **sixty (60) days** after completion of the performance test for the crushing and screening plant, the permittee shall submit to the Department of Health and U.S. EPA, Region 9, the test report which shall include the operating conditions of the facility at the time of the test (e.g., operating rate in tons/hour, water meter flow rate during the test in gal/min, etc.), locations of where the visible emissions were read, visible emission readings, location of water sprays, summarized test results, comparative results with the permit emission limits, and other pertinent support calculations. The results shall be recorded and reported in accordance with 40 CFR, Part 60, Appendix A and §60.8 for the crushing and screening plant. The normal operating flow rate (gal/min) of the water spray system shall be represented by the flow rate used during the performance test that demonstrates compliance with the opacity limits of this permit.

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

7. Performance Test Waiver

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

(Auth.: HAR §11-60.1-3, §11-60.1-90)

Section G. Change of Location Requirements

1. Information Submittal

The permittee shall 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, 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; and
- d. Location map of the proposed new temporary location containing the following information:
 - i. Identification of the property/fence lines and general terrain features (i.e., flat, hilly, steep);
 - ii. Location of all structures within 100 meters of the equipment. Provide the building dimensions (height, length, and width) of all structures that have heights greater than 40% of the stack height of the equipment; and
 - iii. List of equipment and sketch of plant configuration.
- e. Area map showing the proposed new location of the portable crushing and screening plant;
- f. Projected dates of operation at the new location;
- g. Identification of any other air pollution sources owned and operated by the permittee at the new location, including model and serial numbers and plant configuration;
- 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, §11-60.1-91)

2. Filing Fee

The applicable filing fee shall be submitted to the Department of Health with each change in location request and made payable to the **Clean Air Special Fund - COV**.

(Auth.: HAR §11-60.1-3, §11-60.1-91)

3. Approval/Disapproval

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. For each change in location, the Department of Health may impose additional operational controls and restrictions if a site evaluation indicates the controls and/or restrictions are necessary.

(Auth.: HAR §11-60.1-3, §11-60.1-91)

4. Operation

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. Form Submittal

All the information required in this section shall be submitted to the Department of Health using the attached **Change of Location Request for a Temporary Source Form**, including an area map showing 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 this covered source permit shall be done in accordance with Attachment I, Standard Condition No. 28.

(Auth.: HAR §11-60.1-4, §11-60.1-90)

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 – INSG: SPECIAL CONDITIONS
INSIGNIFICANT ACTIVITIES
TEMPORARY COVERED SOURCE PERMIT NO. 0475-01-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. 250 gallon fuel storage tank servicing the 362 hp diesel engines;
 - b. 200 gallon fuel storage tank servicing the 519 hp diesel engine generator;
 - c. Approximate 200 gallon fuel storage tank servicing the 692 hp diesel engine;
 - d. 140 gallon fuel storage tank servicing the 174 bhp diesel engine generator; and
 - e. 3.5 hp Briggs & Stratton gas 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 its 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)

Section D. Notification and Reporting

Compliance Certification

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

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

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

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

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

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

Section E. Agency Notification

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

(Auth.: HAR §11-60.1-4, §11-60.1-90)

**ATTACHMENT III: ANNUAL FEE REQUIREMENTS
TEMPORARY COVERED SOURCE PERMIT NO. 0475-01-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 Hawaii Administrative Rules, Chapter 11-60.1, Subchapter 6.
3. The annual emissions data for which the annual fees are based shall accompany the submittal of any annual fees and be submitted on forms furnished by the Department of Health.
4. The annual fees and the emission data shall be mailed to:

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

**ATTACHMENT IV: ANNUAL EMISSIONS REPORTING REQUIREMENTS
TEMPORARY COVERED SOURCE PERMIT NO. 0475-01-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 forms:
 - a. Annual Emissions Report Form: Crushing and Screening Plant; and
 - b. Annual Emissions Report Form: Diesel Engines
2. The reporting period shall be from January 1 to December 31 of each year. All reports shall be submitted to the Department of Health within **sixty (60) days** after the end of each calendar year and shall be mailed to the following address:

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

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

**COMPLIANCE CERTIFICATION FORM
TEMPORARY COVERED SOURCE PERMIT NO. 0475-01-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: _____

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

1. Current permit number: _____

2. Emissions Unit No./Description: _____

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

4. Compliance status during the reporting period:

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

YES NO

b. If YES, was compliance continuous or intermittent?

Continuous Intermittent

COMPLIANCE CERTIFICATION FORM
TEMPORARY COVERED SOURCE PERMIT NO. 0475-01-CT
(CONTINUED, PAGE 2 OF 2)

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:

**CHANGE OF LOCATION REQUEST
FOR A TEMPORARY SOURCE FORM
TEMPORARY COVERED SOURCE PERMIT NO. 0475-01-CT
(PAGE 1 OF 2)**

[Issuance Date]

[Expiration Date]

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

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 and general terrain features (i.e., flat, hilly, steep).
 - b. Location of all structures within 100 meters of the equipment. Provide the building dimensions (height, length, and width) of all structures that have heights greater than 40% of the stack height of the equipment.
 - c. Identification of any other air pollution sources at the new location, and sketch of plant configuration.
3. The permittee shall submit a filing fee with each change in location request. The filing fee shall be made payable to the **Clean Air Special Fund - COV** and is as follows:

Noncovered Sources	Covered Sources
_____ \$ 50.00 for Non-Air Toxic	<u> X </u> \$100.00 for Non-Air Toxic
_____ \$100.00 for Air Toxic	_____ \$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

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.

**CHANGE OF LOCATION REQUEST
FOR A TEMPORARY SOURCE FORM
TEMPORARY COVERED SOURCE PERMIT NO. 0475-01-CT
(PAGE 1 OF 2)**

[Issuance Date]

[Expiration Date]

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

2. At each new authorized location, the permittee shall operate in accordance with the current temporary covered source permit and all applicable requirements

1. Company Name: CTS Earthmoving, Inc.

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 the 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. I further state that no modifications will be made to the equipment and operational methods will remain similar as permitted under the current Temporary Covered Source Permit at this new location.

Responsible Official (Print name): _____ Date: _____

Title of Responsible Official: _____

Responsible Official (Signature): _____

**ANNUAL EMISSIONS REPORT FORM
CRUSHING AND SCREENING PLANT
TEMPORARY COVERED SOURCE PERMIT NO. 0475-01-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: _____

Company Name: CTS Earthmoving, Inc.

Facility Name: _____

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): _____

Equipment: 357 TPH crushing and screening plant

1. Report the air pollution controls used during the reporting period.

Type of Operation	Air Pollution Control Measures in Use	Control Efficiency (% Reduction)
Truck Unloading		
Jaw Crushing		
VSI Crushing		
Cone Crushing		
Screening		
Conveyors		
Stockpiles		
Truck Loading		

2. Report amount of aggregate processed by plant : _____ tons/year.

**ANNUAL EMISSIONS REPORT FORM
DIESEL ENGINES
TEMPORARY COVERED SOURCE PERMIT NO. 0475-01-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: _____

Company Name: CTS Earthmoving, Inc.

Facility Name: _____

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): _____

- Equipment:
1. 362 hp diesel engine, model no. 3306, serial no. 64Z28992
 2. 692 hp diesel engine, model no. C-16, serial no. BFM00625
 3. 519 hp diesel engine generator, model no. 3406, serial no. 4JK00051
 4. 174 bhp diesel engine generator, model no. 3304, serial no. 9HK00332

Model	Capacity	Maximum % Sulfur Content by Weight	Total Fuel Oil No. 2 Consumption (gallons/year)
3306	362 hp		
D353	692 hp		
3406	519 hp		
3304	174 bhp		

**MONITORING REPORT FORM
DIESEL ENGINES
TEMPORARY COVERED SOURCE PERMIT NO. 0475-01-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 information semi-annually:

(Make Copies for Additional Use)

For Period: _____ Date: _____

Company Name: CTS Earthmoving, Inc.

Facility Name: _____

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): _____

- Equipment:
1. 362 hp diesel engine, model no. 3306, serial no. 64Z28992
 2. 692 hp diesel engine, model no. D353, serial no. BFM00625
 3. 519 hp diesel engine generator, model no. 3406, serial no. 4JK00051
 4. 174 bhp diesel engine generator, model no. 3304, serial no. 9HK00332

1. Report the operating hours in the following table.

Month	^a Operating Hours				^a Total Operating Hours 12-Month Rolling Basis			
	3306	D353	3406	3304	3306	D353	3406	3304
January								
February								
March								
April								
May								
June								
July								
August								
September								
October								
November								
December								

a: Operating hours for the primary diesel engines shall include those from each replacement engine.

**MONITORING REPORT FORM
DIESEL ENGINES
TEMPORARY COVERED SOURCE PERMIT NO. 0475-01-CT
(CONTINUED, PAGE 2 OF 2)**

[Issuance Date]

[Expiration Date]

2. Report the fuel sulfur content for the reporting period.

Unit	Type(s) of Fuel Fired	Maximum Weight % Sulfur Content
3306		
D353		
3406		
3304		

**VISIBLE EMISSIONS FORM REQUIREMENTS
STATE OF HAWAII
TEMPORARY COVERED SOURCE PERMIT NO. 0475-01-CT**

[Issuance Date]

[Expiration Date]

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

1. 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 five (5) percent increments (e.g., 25%).
2. Orient the sun within a 140 degree sector to your back. Provide a source layout sketch on the V.E. form using the symbols as shown.
3. For the diesel engine, stand at least three (3) stack heights, but not more than a quarter mile from the source.
4. For V.E. observation of fugitive emissions from the crushing and screening plant, stand at least 4.57 meters (15 feet) from the visible emissions source, but not more than a quarter mile from the visible emissions source.
5. Two (2) consecutive six (6) minute observations shall be taken at fifteen (15) second intervals for each visible emissions point.
6. The six (6) minute average opacity reading shall be calculated for each observation.
7. If possible, the observations shall be performed as follows:
 - a. Read from where the line of sight is at right angles to the wind direction.
 - b. The line of sight shall not include more than one (1) plume at a time.
 - c. Read at the point in the plume with the greatest opacity (e.g., for stacks, at 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 equipment shall be operating at the maximum permitted capacity.
8. If the equipment was shut-down for that period, briefly explain the reason for shut-down in the comment column.

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

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

**VISIBLE EMISSIONS FORM
DIESEL ENGINES
TEMPORARY COVERED SOURCE PERMIT NO. 0475-01-CT**

[Issuance Date]

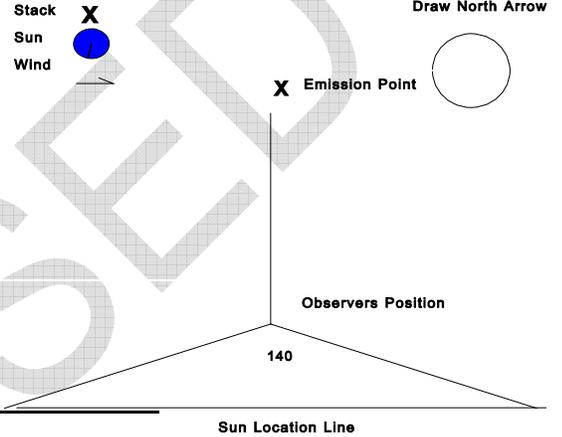
[Expiration Date]

(Make Copies for Additional Use for Each Visible Emissions Point)

Company Name: CTS Earthmoving, 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: _____
Method of Observation (Ringelmann Chart or Method 9): _____

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

Observation Date and Start Time: _____
Method of Observation (Ringelmann Chart or Method 9): _____

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

**VISIBLE EMISSIONS FORM
CRUSHING AND SCREENING PLANT
TEMPORARY COVERED SOURCE PERMIT NO. 0475-01-CT**

[Issuance Date]

[Expiration Date]

(Make Copies for Additional Use for Each Visible Emissions Point)

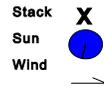
Company Name: CTS Earthmoving, Inc.

Fugitive emission point description:

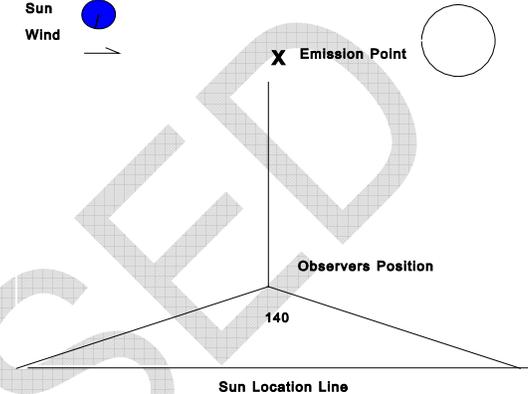
Plant Production (tons/hr): _____
(During observation)

Site Conditions:

Emission point height above ground (ft): _____
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): _____



Draw North Arrow



Observation Date and Start Time: _____

Method of Observation (Ringelmann Chart or Method 9): _____

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

Observation Date and Start Time: _____

Method of Observation (Ringelmann Chart or Method 9): _____

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