

PROPOSED

[Issuance Date]

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

04-XXE CAB
File No. 0543-02

Ms. Liana Shelaine
President
Land Breeze, Inc.
91-008 Hanua Street
Kapolei, Hawaii 96707

Dear Ms. Shelaine:

**Subject: Temporary Covered Source Permit (CSP) No. 0543-01-CT
Significant Modification Application File No. 0543-02
Land Breeze, Inc.
Portable Crushing and Processing Plant with 525 BHP Diesel Engine
Located at: Various Temporary Sites, State of Hawaii
Initial Location: Hickam Air Force Base, Honolulu, Oahu
Date of Expiration: November 2, 2008**

The subject temporary covered source permit is amended in accordance with Hawaii Administrative Rules (HAR), Title 11, Chapter 60.1. The issuance of this permit amendment is based on the plans, specifications, and information that you submitted as part of your application dated December 3, 2003, and supplemental information dated April 21, 23, and 26, 2004. This permit amendment will allow the separation of the IROCK portable crushing unit and the Spyder screening unit. Language that the portable crushing plant shall only be operated in a configuration where the 2-deck screener follows the crusher shall be removed. Language that requirements of NSPS, Subpart OOO, will only be applicable to the screener when operating in conjunction with the IROCK crusher will be added. The capacity of the screener will be increased to 600 TPH which only increases emissions of PM and PM-10. Changes were also made to update the permit condition language and/or to clarify existing conditions. The two receipts for your significant modification application fee of \$500.00 were previously mailed. This permit will supersede, in its entirety, Temporary CSP No. 0543-01-CT as issued on November 3, 2003.

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
- Attachment V: Compliance Certification

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The forms for submission are as follows:

Annual Emissions Report Form: Portable Crushing and Processing Plant
Monitoring Report Form: Operating Hours/Certification
Monitoring Report Form: Visible Emissions
Change of Location Request for a Temporary Source Form

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

- a. Visible Emissions Observation Requirements State of Hawaii;
- b. Visible Emissions Form State of Hawaii; and
- c. 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

ST:lk

Enclosures

c: CAB Enforcement Section

PROPOSED

ATTACHMENT I: STANDARD CONDITIONS TEMPORARY COVERED SOURCE PERMIT NO. 543-01-CT

[Amended Date]

Expiration Date: November 2, 2008

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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[Amended Date]
Expiration Date: Nov. 2, 2008

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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.

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ATTACHMENT II: SPECIAL CONDITIONS TEMPORARY COVERED SOURCE PERMIT NO. 0543-01-CT

[Amended Date]

Expiration Date: November 2, 2008

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

Section A. Equipment Description

1. The Portable Crushing and Processing Plant consists of the following:
 - a. 400 TPH IROCK portable crushing plant, model RTS-25 track plant, SN RTS25-100301, manufactured on 10/29/03 (including):
 - i. 52" x 17' vibrating grizzly feeder with 5' grizzly section & bypass chute;
 - ii. 400 TPH 4056 horizontal shaft impact crusher;
 - iii. Conveyor;
 - iv. Watersprays; and
 - iv. 525 BHP Caterpillar diesel engine, model C-15, SN BEM02568.
 - b. 600 TPH Spyder 516 T portable screening unit, SN D-516T-SPY-A-JC1603, manufactured on 8/18/03 (including):
 - i. 2-deck screen (5' x 16');
 - ii. Various conveyors; and
 - iii. Watersprays.

(Auth.: HAR §11-60.1-3)

2. An identification tag or name plate shall be displayed on the crushing plant, screening unit, and 525 BHP Caterpillar diesel engine listed above to show the 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 IROCK portable crushing plant (excluding the 525 BHP Caterpillar diesel engine), 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.

Should the Spyder screening unit be used at any site with the IROCK crusher, the screening unit including its conveyors, shall also be subject to the federal regulations listed above.

(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. Hour Limitations

The individual total operating hours of the 400 TPH portable crushing plant and 600 TPH portable screening unit shall each not exceed 3,500 hours per rolling twelve-month (12-month) period.

(Auth.: HAR §11-60.1-3, §11-60.1-90)

2. Maintenance

The portable crushing and processing plant, including the crusher, screens, diesel engine, conveyors, and the water spray system, 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, §11-60.1-5, §11-60.1-90)

3. Fuel Specification

The diesel engine shall be fired only on fuel oil no. 2 with a fuel sulfur content not to exceed 0.5% by weight.

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

4. Fugitive Emission Limitations

- a. The permittee shall not cause to be discharged into the atmosphere, fugitive emissions greater than:
 - i. Fifteen (15) percent opacity from any crusher; and
 - ii. Ten (10) percent opacity from any transfer point on the belt conveyor(s) or from any other affected facility. The screening unit including its conveyors shall only be subject to this requirement when utilized in conjunction with the IROCK crusher.
- b. The permittee shall not cause or permit fugitive dust to become airborne without taking reasonable precautions and shall not cause or permit the discharge of visible emissions of fugitive dust beyond the lot line of the property boundary on which the emissions originate.

(Auth.: HAR §11-60.1-3, §11-60.1-33, §11-60.1-90, §11-60.1-161; 40 CFR §60.672)¹

5. Air Pollution Controls

- a. Measures shall be taken by the permittee to control fugitive dust at material transfer points, stockpiles, and throughout the work yard. 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 operated and maintained for the work yard and stockpiles;
 - ii. A water spray bar/nozzle shall be installed, operated, and maintained for the water spray system at the feeder to the crusher; and
 - iii. A water spray bar/nozzle shall be installed, operated, and maintained for the water spray system at the transfer point of the conveyor to the 2-deck screen.

The Department of Health at any time may require continuous operation of the watersprays and/or additional water sprays or manual water spraying at pertinent locations if an inspection indicates that more fugitive dust control is needed.

- b. The water spray system(s) for the portable crushing and processing plant shall be properly maintained, kept in good operating condition, and be utilized as necessary during plant operation(s) to control fugitive emissions to comply with the conditions specified in Attachment II, Special Condition No. C.4.
- c. The portable crushing and processing 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 the efficiency. The permittee shall investigate and correct the problem before resuming operation. The normal operating flow rate (gallons per minute) for the water spray system(s) shall be established in the performance test conducted pursuant to Attachment II, Special Conditions, Section F. After review of the performance 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)

6. Diesel Engine Visible Emission Limitations

For any six (6) minute averaging period, the diesel engine shall not exhibit visible emissions of twenty (20) percent or greater, except as follows: during startup, shutdown, or equipment breakdown, the 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.

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

7. Location Change

- a. The operation of the equipment covered by this temporary covered source permit shall involve at least one (1) location change during the term of this permit. Subsequent location changes of the portable crushing plant shall be in accordance with Attachment II, 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 or air modeling assessment indicates the controls and/or restrictions are necessary.
- b. For each location, the total emissions from the equipment covered by this Temporary Covered Source Permit shall not exceed the threshold limits for a "major source" as defined in HAR §11-60.1-1.

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

8. Alternate Operating Scenarios

- a. Terms and conditions for reasonably anticipated operating scenarios identified by the permittee in the covered source permit application and approved by the Department of Health are as follows:
 - i. The permittee may replace the 525 BHP Caterpillar diesel engine with a temporary replacement unit if any repair work reasonably warrants the removal (i.e., equipment failure, engine overhaul, or any major equipment problems requiring maintenance for efficient operation) of the 525 BHP Caterpillar diesel engine from its site and the following provisions are adhered to:
 - (1) Written notification identifying the reasons for the replacement from the site of operation is submitted to and approved by the Department of Health *prior* to the exchange;
 - (2) The 525 BHP Caterpillar diesel engine is replaced with another unit of the same size or smaller and with equal or less emissions;
 - (3) The temporary replacement unit complies with all applicable conditions including all air pollution control equipment requirements, operating restrictions and emission limits;
 - (4) The 525 BHP Caterpillar diesel engine shall be repaired and returned to service at the same location in a timely manner; and
 - (5) *Prior* to the installation of the replacement diesel engine, the permittee shall submit to the Department of Health written documentation on the removal and return dates; and on the make, size, model and serial numbers for both the temporary replacement unit and installed unit.
 - ii. The permittee shall contemporaneously with making a change from one operating scenario to another, record in a log at the permitted facility the scenario under which it is operating and, if required by any applicable requirement or the Department of Health, submit written notification to the Department of Health.
 - iii. The terms and conditions under each alternative operating scenario shall meet all applicable requirements including conditions of this permit.

(Auth.: HAR §11-60.1-3, §11-60.1-90)

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 representatives upon request.

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

2. Production

The permittee shall maintain records to determine the total tons of material processed by the portable crushing and processing plant for purposes of annual emissions reporting.

Records shall include the start and end dates the IROCK crushing plant and Spyder Screening unit are operated at each location, the type (e.g., soil, cinder, gravel, etc.) and the amount of material (tons) produced at each location.

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

3. Operating Hour Limitation

Non-resetting hour meters shall be installed, operated, and maintained on the 525 BHP Caterpillar diesel engine (for crushing plant) and insignificant "insig" 112 BHP Cummins Diesel Engine (for screening unit) for the continuous and permanent recording of the total hours operated by each of the following: the portable crushing plant; and screening unit. The operating hours of the 525 BHP Caterpillar and 112 BHP Cummins diesel engines shall represent the total hours operated by the portable crushing plant and screening unit, respectively for purposes of the hour limitation specified in Attachment II, Special Condition No. C.1. 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 of operation at each location;
- c. The total hours operated for each month at each location;
- d. The total hours operated on a twelve-month (12-month) rolling basis; and
- e. Recorder's name and initials.

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

4. Operations of the Screener in conjunction with the Crusher

All instances where the screening unit operated in conjunction with the IROCK crusher for purposes of determining when the screening unit is subject to the provisions of Attachment II, Special Condition No. B.1. Each time the screening unit operated in conjunction with the IROCK crusher, records shall include:

- a. Identification of the screening unit that operated in conjunction with the IROCK crusher;
- b. The date(s) of operation; and
- c. The location of operation.

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

5. 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 the 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 the diesel engine and percent sulfur content of the fuel shall be maintained for purposes of annual emissions reporting and the fuel specification required in Attachment II, Special Condition No. C.3.

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

6. Water Spray Systems

- a. Non-resetting water flow meter(s) shall be installed, operated, and maintained for the water spray system(s) of the portable crushing plant and screening unit to determine the cumulative gallons of water used for fugitive dust control and gallon per minute flow rate(s) for the water spray system(s) servicing the equipment; and
- b. The water spray system(s), to include connected piping, spray bar(s), spray nozzle(s), and water flow meter(s) shall be checked routinely, or at least once per month, to ensure proper operation of the water spray system(s).

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

7. Inspection, Maintenance, and Repair Log

An inspection, maintenance, and repair log shall be maintained for the equipment covered under this permit. Replacement of parts and repairs to the portable crushing and processing plant, including the diesel engine 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)

8. Performance Test

An initial source performance test and an annual source performance test thereafter shall be conducted for the portable crushing plant and screening unit (if used in conjunction with the IROCK crusher) pursuant to Special Conditions, Section F. Test summaries 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)

9. Visible Emissions (V.E.)

- a. Except in those months where V.E. observations are conducted by a certified reader for the annual observations of the diesel engine, the permittee shall conduct **monthly** (*calendar month*) V.E. observations to determine the opacity of fugitive emissions for the diesel engine in accordance with 40 CFR Part 60, Appendix A, 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 form **Visible Emissions Observation Requirements**.
- b. Except in those months where a performance test is conducted to determine the opacity of fugitive emissions pursuant to Attachment II, Special Conditions, Section F, the permittee shall conduct **monthly** (*calendar month*) V.E. observations to determine the opacity of fugitive emissions from the portable crushing plant and screening unit (if used in conjunction with the IROCK crusher at any time during the month). V.E. observations shall be made at emission points subject to an opacity limit, and shall be performed in accordance with 40 CFR Part 60, Appendix A, Method 9, or by use of a Ringelmann Chart as provided. For the monthly observation, two (2) consecutive six (6) minute observations shall be taken at fifteen (15) second intervals for each point. For the visible emissions 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 more 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 (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 plant at the time the observations were made.

The Department of Health may allow observation of a portion of the total emission points at the portable crushing and processing plant, if it can be demonstrated that operations have been in compliance with the permit. At a minimum, at least two emission points from the crushing plant and screening unit be observed each month. The selected points shall include the crusher, screen, and a transfer point from the crushing plant and screening unit, or those points as specified by the Department of Health. Allowance to observe a portion of the total required emission points shall be obtained in writing from the Department of Health.

Records shall be completed and maintained in accordance with the form ***Visible Emissions Observation Requirements***.

- c. The permittee shall conduct **annually** (calendar year), V.E. observations for the diesel engine 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 form ***Visible Emissions Observation 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 the diesel engine. 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, §11-60.1-90)

10. Monthly and annual V.E. records with observation monitoring results of the crushing plant and screening unit in accordance with the form Visible Emissions Observation Requirements. Monthly V.E. records shall also identify if the screening unit was not utilized in conjunction with the IROCK crusher for that month.

(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 Condition Nos. 16, 17 and 25, respectively:

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

(Auth.: HAR §11-60.1-8, §11-60.1-15, §11-60.1-16, §11-60.1-90; SIP §11-60-10, §11-60-16)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 performance 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 a source performance test pursuant to Special Conditions, Section F, the permittee shall submit to the Department of Health a test plan indicating the date(s) of the scheduled performance test for the portable crushing plant and screening unit (if used in conjunction with the IROCK crusher) and the locations of the visible emissions points.
- 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 each 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 §60.8, 40 CFR §60.676, SIP 11-60-15)^{1,2}

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) be signed and dated by a responsible official, and shall include:

- a. The individual total operating hours of the portable crushing plant and screening unit on a monthly and twelve-month (12-month) rolling basis.
- b. Identification of all instances where the screening unit was used in conjunction with the IROCK crusher. If the screening unit wasn't utilized in conjunction with the IROCK crusher during the reporting period, this shall also be indicated in the report.
- c. The type of fuel fired by the diesel engine during the respective reporting period. Include the maximum sulfur content (percent by weight) of the fuel fired.
- d. Any opacity exceedances as determined by visible emissions monitoring of the portable crushing and processing plant and diesel engine. Each exceedance reported shall include the date, six (6) minute average opacity reading, possible reason for exceedance, duration of exceedance, and corrective actions. If there were no exceedances, the permittee shall submit, in writing (to be noted on the monitoring report form), a statement that there were no exceedances for that semi-annual period.

The enclosed Monitoring Report Forms: "**Operating Hours/Certification**" and "**Visible Emissions**," shall be used.

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

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

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

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

(Auth.: HAR §11-60.1-3, §11-60.1-90)

Section F. Testing Requirements

1. Performance Testing

On an annual basis or at such times as may specified by the Department of Health, the permittee shall conduct or cause to be conducted a source performance test to determine the opacity of fugitive emissions. The tests shall be conducted on the crusher, screener (if used in conjunction with the IROCK crusher), and conveyor transfer points subject to opacity limits. Annual source performance testing of the screening unit including its conveyor transfer points is not required for those years in which the screening unit is not utilized in conjunction with the IROCK crusher.

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 40 CFR Part 60, Appendix A, Method 9, and the procedures in 40 CFR §60.11 with additions identified in 40 CFR Part 60, Subpart OOO, §60.675(c); or U.S. EPA-approved equivalent methods with written consent from the Department of Health. In addition, the observer shall comply with the following requirements:

- i. The minimum distance between the observer and the emissions source shall be 4.57 meters (15 feet) but not more 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 at the time observations were made.

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

b. When determining compliance with the fugitive emissions standard specified in Special Condition No. C.4.a.i., for the 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.

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

- c. When determining compliance with the fugitive emissions standard specified in Special Condition No. C.4.a.ii., for the 2-deck screen, and 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.

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

- d. When determining compliance with the fugitive emissions standards of Special Condition Nos. C.4.a.i. and C.4.a.ii., 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.

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

- 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. Performance Test 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 portable crushing and processing 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)

4. 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, locations of visible emissions points, 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)¹

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 Report

Within sixty (60) days after completion of each performance test for the portable crushing and processing plant, the permittee shall submit to the Department of Health the test report which shall include the operating conditions of the facility at the time of the test (e.g., operating rate of the plant in tons/hr, waterspray water flow rate in gallons per minute (gpm) during the test, etc.), locations of the visible emissions points, visible emissions readings, location of watersprays, summarized test results, comparative results with the permit limits, other pertinent support calculations, and field data. The results shall be recorded and reported in accordance with 40 CFR Part 60, Appendix A and §60.8.

The normal operating flow rate (gpm) for 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 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)¹

7. 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 tests 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)

8. Annually, the permittee shall identify, in the performance test plan or waiver request, the screening unit that will not be tested because it is not subject to Special Condition No. B.1. The test plan or waiver request shall include: the make, model, size, and serial number of the screening unit, with a statement that the screen and associated conveyors were not utilized in conjunction with the IROCK crusher at any time during that year.

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 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 methods of operation 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 the **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
TEMPORARY COVERED SOURCE PERMIT NO. 0543-01-CT
Insignificant Activities**

[Amended Date]

Expiration Date: November 2, 2008

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

Section A. Equipment Description

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

(Auth.: HAR §11-60.1-3)

Section B. Operational Limitations

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

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

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

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

Section C. Monitoring and Recordkeeping Requirements

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

(Auth.: HAR §11-60.1-3, §11-60.1-90)

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

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

CSP No. 0543-01-CT
Attachment II - INSIG
Page 2 of 2
[Amended Date]
Expiration Date: Nov. 2, 2008

Section D. Notification and Reporting

Compliance Certification.

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

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

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

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

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

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

Section E. Agency Notification

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

(Auth.: HAR §11-60.1-4, §11-60.1-90)

**ATTACHMENT III: ANNUAL FEE REQUIREMENTS
TEMPORARY COVERED SOURCE PERMIT NO. 0543-01-CT**

[Amended Date]

Expiration Date: November 2, 2008

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

1. Annual fees shall be paid in full:
 - a. Within sixty (60) days after the end of each calendar year; and
 - b. Within thirty (30) days after the permanent discontinuance of the temporary covered source.
2. The annual fees shall be determined and submitted in accordance with HAR, Chapter 11-60.1, Subchapter 6.
3. The annual emissions data for which the annual fees are based shall accompany the submittal of any annual fees and 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. 0543-01-CT**

[Amended Date]

Expiration Date: November 2, 2008

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

1. Complete the attached Annual Emissions Report Form: “**Portable Crushing and Processing Plant.**”
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.
-

ATTACHMENT V: COMPLIANCE CERTIFICATION
TEMPORARY COVERED SOURCE PERMIT NO. 0543-01-CT
(PAGE 1 OF 2)

[Amended Date]

Expiration Date: November 2, 2008

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

(Make Copies for Future Use)

For Period: _____ Date: _____

Facility Name: _____

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

Responsible Official (PRINT): _____

TITLE: _____

Responsible Official (Signature): _____

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

1. Current permit number: _____

2. Emissions Unit No./Description: _____

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

4. Compliance status during the reporting period:

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

YES NO

b. If YES, was compliance continuous or intermittent?

Continuous Intermittent

ATTACHMENT V: COMPLIANCE CERTIFICATION
TEMPORARY COVERED SOURCE PERMIT NO. 0543-01-CT
(CONTINUED, PAGE 2 OF 2)

[Amended Date]

Expiration Date: November 2, 2008

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

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: _____

PROPOSED

**ANNUAL EMISSIONS REPORT FORM
PORTABLE CRUSHING AND PROCESSING PLANT
TEMPORARY COVERED SOURCE PERMIT NO. 0543-01-CT**

[Amended Date]

Expiration Date: November 2, 2008

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: _____

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): _____

Report the following for the reporting period:

Type of Operation	Materials Processed: Type (soil, cinder, gravel, etc.) and Amount (TPY)	Pollution Control Measures in Use	Control Efficiency (% Reduction)
Crusher			
Conveyor Transfer Points (crusher)			
2-Deck Screen			
Conveyor Transfer Points (screener)			
Active Stock Piles			

NOTE: Air pollution control measures incl. water sprays, partial enclosures, screens, housings 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.

PROPOSED

**MONITORING REPORT FORM
OPERATING HOURS/CERTIFICATION
TEMPORARY COVERED SOURCE PERMIT NO. 0543-01-CT
(PAGE 1 OF 2)**

[Issuance Date]

Expiration Date: November 2, 2008

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: _____

Facility Name: _____

Equipment Location: _____

Equipment Description: _____

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. Hours of Operation for the Portable Crushing and Processing Plant for the Reporting Period.

Month	Crushing Plant Hours of Operation		Screening Unit Hours of Operation		Notes
	Monthly Operating Hours of Crushing Plant (525 BHP Diesel Engine)	Total Operating Hours (12-Month Rolling Basis of Crushing Plant) (525 BHP Diesel Engine)	Operating Hours of Screening Unit (Insig. 112 BHP Cummins Diesel Engine)	Operating Hours (12-Month Rolling Basis) of Screening Unit (Insig. 112 BHP Cummins Diesel Engine)	
Jan.					
Feb.					
Mar.					
April					
May					
June					
July					
Aug.					
Sept.					
Oct.					
Nov.					
Dec.					

**MONITORING REPORT FORM
OPERATING HOURS/CERTIFICATION
TEMPORARY COVERED SOURCE PERMIT NO. 0543-01-CT
(CONTINUED, PAGE 2 OF 2)**

[Amended Date]

Expiration Date: November 2, 2008

2. Sulfur Content Certification.

Sulfur Content Certification for the Reporting Period (525 BHP Caterpillar Diesel Engine):

Type of Fuel Fired: _____ Maximum %Sulfur Content by Weight: _____

3. NSPS Applicability to Screening Unit.

Pursuant to Special Condition No. B.1 and B.2.,

Should the screening unit be used in conjunction with the IROCK crusher, the screening unit shall be subject to NSPS Subpart A and OOO.

The permittee shall comply with all of the applicable provisions of these standards, including all emission limits, notification, testing, monitoring and reporting requirements of these federal regulations.

For each time the screening unit operated in conjunction with the IROCK crusher, identify in the table below: the screening unit and crusher that operated in conjunction with each other; the date(s) of operation; and the location.

Screening Unit (Make, Model, Size, & Serial No.)	Crusher Operated in Conjunction with Screening Unit (Make, Model, Size, & Serial No.)	Date(s) of Operation		Location of Operation
		From	To	

For each screening unit, indicate in the table above if there were no operations involving the screening unit in conjunction with the IROCK crusher during the reporting period.

**VISIBLE EMISSIONS OBSERVATION REQUIREMENTS
STATE OF HAWAII**

The following visible emissions form shall be completed **monthly** (*each calendar month*) for the portable crushing plant and diesel engine 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. Stand at least three (3) stack heights, but not more than a quarter mile from the stack.
4. Two (2) consecutive six (6) minute observations shall be taken at fifteen (15) second intervals for each transfer points and stack.
5. The six (6) minute average opacity reading shall be calculated for each observation.
6. If possible, the observations shall be performed as follows:
 - a. Read from where the line of sight is at right angles to the wind direction.
 - b. The line of sight shall not include more than one (1) plume at a time.
 - c. Read at the point in the plume with the greatest opacity (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.
7. 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

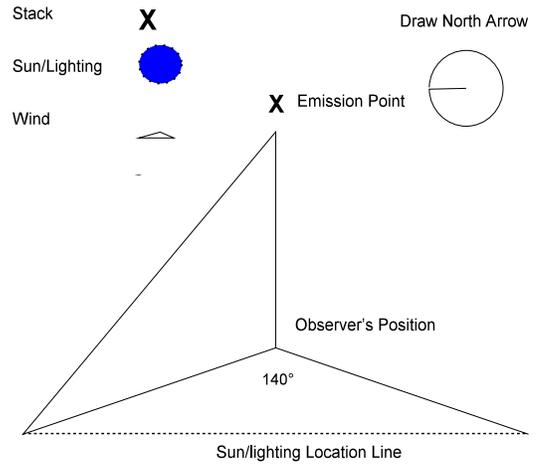
(Make Copies for Additional Use for Each Equipment)

Permit No.: 0543-01-CT

Company Name: Land Breeze, Inc.

Site Conditions:

Stack/transfer-point height above ground (ft): _____
 Stack/transfer-point distance from observer (ft): _____
 Emission color (black or white): _____
 Sky conditions (% cloud cover): _____
 Lighting (brightness artificial light/brightness ambient light): _____
 Wind speed (mph): _____
 Temperature (°F): _____
 Observer name: _____
 Certified? (Yes/No): _____
 Crusher Production (TPH): _____
 Diesel Engine Fuel Type: _____



Observation Date and Start Time: _____

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

Observation Date and Start Time: _____

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

PROPOSED

**CHANGE OF LOCATION REQUEST
FOR A TEMPORARY SOURCE
TEMPORARY COVERED SOURCE PERMIT NO. 0543-01-CT
(PAGE 1 OF 2)**

[Amended Date]

Expiration Date: November 2, 2008

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

CHANGE OF LOCATION REQUEST
FOR A TEMPORARY SOURCE
TEMPORARY COVERED SOURCE PERMIT NO. 0543-01-CT
(CONTINUED, PAGE 2 OF 2)

[Amended Date]

Expiration Date: November 2, 2008

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. Company Name: _____

2. Facility Name (if different from the Company): _____

3. Mailing Address: _____

City: _____ State: _____ Zip Code: _____

Phone Number: _____

4. Name of Owner/Owner's Agent: _____

Title: _____ Phone: _____

5. Equipment Description: _____

6. Current Equipment Location: _____

7. **New Equipment Location:** _____

a. Plant site manager or other contact, if different than current contact:

b. Phone Number: _____

c. Proposed start date at *New Location*: _____

d. Estimated project duration: _____

8. Brief description of the work to be performed. Also identify other air pollution sources owned and operated by the permittee at the new location, if any: _____

I certify that I have knowledge of the facts herein set forth, that the same are true, accurate and complete to the best of my knowledge and belief, and that all information not identified by me as confidential in nature shall be treated by 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 noncovered source permit at this new location.

Responsible Official (Print name): _____ Date: _____

Title of Responsible Official: _____

Responsible Official (Signature): _____