ADMINISTRATIVE RECORD

Concrete Washout Systems of Hawaii, Inc.

Application No. 0929-01 for Initial Permit

Crushing and Screening Plant

Located At: Various Temporary Sites, State of Hawaii

Temporary CSP No. 0929-01-CT

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Public Notice

REQUEST FOR PUBLIC COMMENTS
ON DRAFT AIR PERMIT
REGULATING THE EMISSIONS OF AIR POLLUTANTS

(Docket No. 26-CA-PA-01)

Pursuant to Hawaii Revised Statutes (HRS), Chapter 342B-13 and Hawaii Administrative Rules (HAR), Chapter 11-60.1, the Department of Health, State of Hawaii (DOH), is requesting public comments on the following **DRAFT PERMIT** presently under review for:

Temporary Covered Source Permit (CSP) No. 0929-01-CT
Application No. 0929-01 for an Initial Permit
Concrete Washout Systems of Hawaii, Inc.
Crushing and Screening Plant
Located At: Various Temporary Sites, State of Hawaii
Initial Location: 86-70 Leihoku Street, Waianae, Island of Oahu
UTM: 4Q; 584,789 m E; 2,370,573 m N (NAD-83)

The **DRAFT PERMIT** is described as follows:

The issuance of **Temporary CSP No. 0929-01-CT** will grant conditional approval for Concrete Washout Systems of Hawaii, Inc. to operate one (1) 200 TPH Rubble Master Crusher with integrated screen and one (1) 200 TPH Rubble Master Screener. Water suppression will be used as necessary to minimize fugitive emissions from crushing and screening operations, material transfer points, stockpiles, and plant roads. The facility is subject to 40 Code of Federal Regulations (CFR) Part 60, Subpart OOO, Standards of Performance for Nonmetallic Mineral Processing Plants.

The **ADMINISTRATIVE RECORD**, consisting of the **APPLICATION** and non-confidential supporting material from the applicant, the permit review summary, and the **DRAFT PERMIT**, is available for public inspection online at: http://health.hawaii.gov/cab/public-notices/ and during regular office hours, Monday through Friday, 7:45 a.m. to 4:15 p.m., at the following location:

State of Hawaii
Clean Air Branch
2827 Waimano Home Road, #130
Pearl City, Hawaii 96782

All comments on the draft permit and any request for a public hearing must be in writing and must be postmarked or received by **February 18, 2026**, and may be:

- Emailed to doh.cabpubliccomments@doh.hawaii.gov; or
- Addressed to the Clean Air Branch at the above Oahu address.

The submittal shall include the draft permit number.

Any person may request a public hearing by submitting a written request that explains the party's interest and the reasons why a hearing is warranted. The DOH may hold a public hearing if a hearing would aid in DOH's decision. If a public hearing is warranted, a public notice for the hearing will be published at least thirty (30) days in advance of the hearing.

Interested persons may obtain copies of the administrative record or parts thereof by paying **five (5) cents per page copying costs**. Please send written requests to the Clean Air Branch listed above or call Mr. Al Jerome Natac at the Clean Air Branch at (808) 586-4200.

Comments on the draft permit should address, but need not be limited to, the permit conditions and the facility's compliance with federal and state air pollution laws, including: (1) the National and State Ambient Air Quality Standards; and (2) HRS, Chapter 342B and HAR, Chapter 11-60.1.

The DOH will make a final decision on the permit after considering all comments and will send notice of the final decision to each person who has submitted comments or requested such notice.

Kenneth S. Fink, MD, MGA, MPH
Director of Health

Draft Permit

DRAFT

CERTIFIED MAIL 26-xxxE CAB
RETURN RECEIPT REQUESTED File No. 0929
(XXXX XXXX XXXX XXXX XXXX)

DATE

Mr. Gregory Perrin
President
Concrete Washout Systems
of Hawaii, Inc.
1061 Mokulua Drive
Kailua, Hawaii 96734

Dear Mr. Perrin:

SUBJECT: Temporary Covered Source Permit (CSP) No. 0929-01-CT
Application No. 0929-01 for Initial Permit
Concrete Washout Systems of Hawaii, Inc.
Crushing and Screening Plant
Located At: Various Temporary Sites, State of Hawaii
Initial Location: 86-70 Leihoku Street, Waianae, Island of Oahu
UTM: 4Q; 584,789 m E; 2,370,573 m N (NAD-83)
Date of Expiration: DATE

The subject temporary CSP is issued in accordance with Hawaii Administrative Rules (HAR), Title 11, Chapter 60.1. The issuance of this permit is based on the plans and specifications that you submitted as part of your application received on December 6, 2024, and additional information received on March 26, 2025, and September 22, 2025. A receipt for the application filing fee of $1,000.00 was previously sent to you.

The temporary CSP is issued subject to the conditions/requirements set forth in the following attachments:

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

The following forms are enclosed for your use and submittal as required:

Compliance Certification Form
Change of Location Request for a Temporary Source
Annual Emissions Report Form: Crushing and Screening Plant
Monitoring Report Form: Opacity Exceedances

The following are enclosed for your use in monitoring visible emissions:

Visible Emissions Form Requirements, State of Hawaii
Visible Emissions Form

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

If you have any questions, please contact Mr. Al Jerome Natac of the Clean Air Branch at (808) 586-4200.

Sincerely,

JOANNA L. SETO, P.E., CHIEF
Environmental Management Division

AJN:tkg

Enclosures

ATTACHMENT I: STANDARD CONDITIONS
TEMPORARY COVERED SOURCE PERMIT NO. 0929-01-CT

Issuance Date: DATE **Expiration Date: DATE**

This permit is granted in accordance with the 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, 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.

   (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 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 temporary CSP. There shall be no deviation unless additional or revised plans are submitted to and approved by the Department, 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 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 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 copies of records required to be kept by the permittee. For information claimed to be confidential, the Director of Health (Director) may require the permittee to furnish such records not only to the Department 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 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. **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 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 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.

(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, 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 a covered source covered by this permit**, the discontinuance shall be reported in writing to the Department 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 and the U.S. EPA, Region 9, no less than twelve (12) months and no more than eighteen (18) months prior to the permit expiration date. The Director may allow a permit renewal application to be submitted no less than six (6) 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 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:**

State of Hawaii
Clean Air Branch
2827 Waimano Home Road, #130
Pearl City, Hawaii 96782

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

Manager
Enforcement Division, Air Section
U.S. Environment Protection Agency, Region 9
75 Hawthorne Street, ENF-2-1
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)

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[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. 0929-01-CT

Issuance Date: DATE **Expiration Date: DATE**

In addition to the Standard Conditions of the Temporary CSP, the following Special Conditions shall apply to the permitted facility:

Section A. Equipment Description

1. This permit encompasses the following equipment and associated appurtenances:

   Crushing and Screening Plant

   a. 200 TPH Rubble Master Impact Crusher with integrated screen, Model No. RM80 GO!, Serial No. RM80-00-205 with water spray system, manufactured in 2016 (Self-Propelled);
   b. 200 TPH Rubble Master Screen, Model No. TS 3600, Serial No. TS3600-0024, manufactured in February 2008 (Self-Propelled);
   c. Various conveyors; and
   d. Water spray system(s).

   (Auth.: HAR §11-60.1-3)

2. An identification tag or name plate shall be displayed on the equipment listed above to show model number, serial number, 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. The Crushing and Screening plant is subject to the provisions of the following federal regulations:

   a. 40 Code of Federal Regulations (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. Fugitive Emission Limits

   a. 200 TPH Rubble Master Impact Crusher with integrated screen

      i. The permittee shall not cause to be discharged into the atmosphere from any crusher, fugitive emissions which exhibit greater than twelve (12) percent opacity.
      ii. The permittee shall not cause to be discharged into the atmosphere from any transfer point on the belt conveyors, screening operation, or from any other affected facility, fugitive emissions which exhibit greater than seven (7) percent opacity.

   b. 200 TPH Rubble Master Screener

      The permittee shall not cause to be discharged into the atmosphere from any transfer point on the belt conveyors, screening operation, or from any other affected facility, fugitive emissions which exhibit greater than ten (10) percent opacity.

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

2. Fugitive Dust

   a. 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 (VE) of fugitive dust beyond the lot line of the property boundary on which the emissions originate.
   b. The permittee shall take measures to control and minimize fugitive dust (e.g., wet suppression, enclosures, dust screens, etc.) at all material transfer points, stockpiles, plant roads, screening operations, loading and unloading operations, and throughout the facility. The Department may at any time require the permittee to further abate fugitive dust emissions if an inspection indicates poor or insufficient control.
   c. A water spray system shall be maintained and utilized, as necessary, during operation of the Crushing and Screening Plant to ensure compliance with the fugitive emission limits. The Department at any time may require continuous operation of the water sprays and/or additional water sprays or manual water spraying at pertinent locations if an inspection indicates that more fugitive dust control is needed.
   d. The crusher with integrated screen shall not be operated if observation, or the routine inspection required in Attachment II, Special Condition No. D.3.b, indicates a significant drop in water flow rate and/or water pressure, plugged nozzle(s), leak in the piping system, or other problems which affect the efficiency of the water spray systems. The permittee shall investigate and correct the problem before resuming operations. The normal operating water pressure (psi) and/or flow rate (gal/min) for the water spray system shall be established during the performance test conducted pursuant to Attachment II, Section F, and may be incorporated into the permit.

e. The water spray systems shall be properly maintained and kept in good operating condition at all times with scheduled inspections and maintenance as needed to ensure compliance with the fugitive emission limits.
f. Water sprays and/or a water truck shall be maintained and utilized, as necessary, to minimize fugitive dust from plant operations (e.g., haul roads, stockpiles, material transfer points, etc.).

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

3. Maintenance

The Crushing and Screening Plant shall be properly maintained and kept 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, §11-60.1-5, §11-60.1-90)

4. Change of Locations

a. The operation of the equipment covered by this temporary CSP shall involve at least one (1) location change during the term of this permit. **Moving within a single property is not considered a location change.**
b. Location changes of the equipment shall be in accordance with Special Conditions, Attachment II, Section G. For each change in location, the Department reserves the right to impose additional operational controls and restrictions if a site evaluation indicates the controls and/or restrictions are necessary.

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

5. Prohibited Operation with Noncovered Source Permit (NSP) No. 0889-01-N

The equipment listed in Attachment II, Special Condition No. A.1 are prohibited from operating on the same site as the equipment listed in NSP No. 0889-01-N.

(Auth.: HAR §11-60.1-3, §11-60.1-90, §11-60.1-161; 40 CFR §60.1, §60.670)[1]

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 true, accurate, and maintained in a permanent form suitable for inspection and made available to the Department or its representative(s) upon request.

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

2. Production

   The permittee shall maintain records on the total tons of material processed by the Crushing and Screening Plant for purposes of annual emissions reporting.

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

3. Water Spray System – Crusher with integrated screen

   a. A water pressure gauge and/or flow meter shall be installed, operated, and maintained to measure the pressure and/or flow rate of the water spray systems in psi and/or gallons per minute (gal/min).
   b. The water spray systems, to include the water pump, piping system, spray nozzles, and any gauges (i.e., water pressure, water flow meter, etc.) shall be inspected routinely at least once per month to ensure proper operation of the water spray systems. Inspections of the water spray system shall be recorded in the Inspection, Maintenance, and Repair Log of Attachment II, Special Condition No. D.4.
   c. The permittee shall initiate corrective action within twenty-four (24) hours and complete corrective action as expediently as practical if the permittee finds that water is not flowing properly during an inspection of the water spray system.
   d. If equipment that routinely uses wet suppression water sprays ceases operation of the water sprays or is using a control mechanism to reduce fugitive emission other than water sprays during the monthly inspection (e.g., water from recent rainfall), the logbook entry must specify the control mechanism being used instead of the water sprays.

   (Auth.: HAR §11-60.1-3, §11-60.1-5, §11-60.1-90)[1]

4. 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 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 the inspection/work.

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

5. Performance Test

Performance tests shall be conducted on the Crushing and Screening Plant pursuant to Attachment II, Section F. Test plans, summaries, and results shall be maintained in accordance with the requirements of this section.

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

6. Visible Emissions

Except in those months when performance tests are conducted for fugitive emissions pursuant to Attachment II, Section F, the permittee shall conduct **monthly** (calendar month), VE observations for the crushing and screening plant by a certified reader in accordance with 40 CFR Part 60, Appendix A, Method 9, or U.S. EPA approved equivalent methods, or alternative methods with prior written approval from the Department and U.S. EPA. For each month, two (2) consecutive six (6) minute observations shall be taken at fifteen (15) second intervals for each emission point subject to an opacity limit. Records shall be completed and maintained in accordance with the *Visible Emissions Form Requirements*. For the VE observations of fugitive emissions, the observer shall comply with the following additional requirements:

a. The minimum distance between the observer and the emission source shall be 4.57 meters (fifteen (15) feet), but not greater than 402 meters (0.25 miles);
b. The observer shall, when possible, select a position that minimizes interference from other VE sources. The required observer position relative to the sun (Method 9, Section 2.1) shall be followed; and
c. The observer shall record the operating capacity (ton/hr) of the plant at the time the observations were made.

The Department may allow observation of a portion of the total fugitive emission points subject to opacity limits, if it can be demonstrated that operations have been in compliance with the permit. At a minimum, at least three (3) fugitive emission points shall be observed each month. The selected points shall include the primary crusher, screen, and a transfer point as applicable, or those points as specified by the Department. Allowance to observe a portion of the total required fugitive emission points shall be obtained in writing from the Department.

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

Section E. Notification and Reporting Requirements

1. Standard Conditions Reporting

   Notification and reporting pertaining to the following events shall be done in accordance with Attachment I, Standard Condition Nos. 14, 16, 17, and 24, respectively:

   a. Anticipated date of initial start-up, actual date of construction commencement, and actual date of start-up;
   b. Intent to shut down air pollution control equipment for necessary scheduled maintenance;
   c. Emissions of air pollutants in violation of HAR, Chapter 11-60.1 or this permit; and
   d. Permanent discontinuance of construction, modification, relocation, or operation of the facility covered by this permit.

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

2. Deviations

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

   As required by Attachment IV, Annual Emissions Reporting Requirements, 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 hazardous air pollutants. The reporting of annual emissions is due within **sixty (60) days** following the end of each calendar year. The following enclosed form shall be used for reporting:

   Annual Emissions Report Form: Crushing and Screening Plant

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

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

4. Monitoring Reports

The permittee shall submit **semi-annually** the following reports to the Department. 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 be signed and dated by a responsible official. The following enclosed form shall be used for reporting:

Monitoring Report Form: Opacity Exceedances

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

5. Performance Testing

a. At least **thirty (30) days** prior to conducting a source performance test pursuant to Attachment II, Section F, the permittee shall submit a performance test plan in accordance with Attachment II, Special Condition No. F.4.
b. Within **sixty (60) days** after completion of a source performance test, the permittee shall submit a test report in accordance with Attachment II, Special Condition No. F.6.

(Auth.: HAR §11-60.1-3, §11-60.1-11, §11-60.1-90; 40 CFR §60.8)[1]

6. Compliance Certification

During the permit term, the permittee shall submit at least **annually** to the Department 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;
f. Brief description of any deviations including identifying as possible exceptions to compliance any periods during which compliance is required and in which the excursion or exceedances as defined in 40 CFR Part 64 occurred; and
g. Any additional information as required by the Department, including information to determine compliance.

The compliance certification shall be submitted within **sixty (60) days** after the end of each calendar year and shall be signed and dated by a responsible official.

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

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

Section F. Testing Requirements

1. Initial and Annual Performance Testing

   a. Within **sixty (60) days** after achieving the maximum production rate at which the 200 TPH crusher with integrated screen and 200 TPH screener will be operated, but not later than **180 days** after initial start-up, and **annually** thereafter, 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 the opacity limits specified in Attachment II, Special Condition No C.1.
   b. The tests shall be conducted at the maximum expected operating capacity of each crusher and screener.
   c. The Department may require testing at other points in the facility or more frequent testing if an inspection indicates poor or insufficient controls.

   (Auth.: HAR §11-60.1-3, §11-60.1-11, §11-60.1-90, §11-60.1-161; 40 CFR §60.8, §60.675; SIP §11-60-15)[1,2]

2. Performance Test Methods

   a. Performance tests for the determination of opacity shall be conducted by a certified reader using Method 9 of 40 CFR Part 60, Appendix A-4, and the procedures in 40 CFR §60.11, with the following additions for the fugitive emissions observations:

      i. The minimum distance between the observer and the emission source shall be 4.57 meters (fifteen (15) feet);
      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 each crusher and screener at the time the observations were made.
      iv. The observer shall record the flow rate or water pressure for the crusher's water spray system, in gal/min or psi, as appropriate.

   b. When determining compliance with the fugitive emissions standard of Attachment II, Special Condition No. C.1, the duration of Method 9 observations must be thirty (30) minutes (five (5) six-minute (6-minute) averages). Compliance with the applicable fugitive emission limits specified in Attachment II, Special Condition No. C.1, must be based on the average of the five (5) six-minute (6-minute) averages.

c. When determining compliance with the fugitive emissions standard of Attachment II, Special Condition No. C.1, if emissions from two (2) 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; or
   ii. Separate the emissions so that the opacity of emissions from each affected facility can be read.

d. When determining compliance with the fugitive emissions standard of Attachment II, Special Condition No. C.1, a single VE observer may conduct VE observations for up to three (3) fugitive, stack, or vent emission points within a fifteen (15) second interval if the following conditions are met:

   i. No more than three (3) emission points may be read concurrently;
   ii. All three (3) emission points must be within a seventy (70) degree viewing sector or angle in front of the observer such that the proper sun position can be maintained for all three (3) points; and
   iii. If an opacity reading for any one (1) of the three (3) emission points equals or exceeds the applicable standard, then the observer must stop taking readings for the other two (2) points and continue reading just that single point.

e. If, after **thirty (30) days** notice for an initially scheduled performance test, there is a delay, for example, due to operational problems, in conducting any rescheduled performance test required by Section F, the permittee shall submit a notice to the Department 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; 40 CFR §60.675)[1]

3. Performance Test Expense and Monitoring

The performance tests shall be made at the expense of the permittee and may be monitored by the Department.

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

4. Performance Test Plan

At least **thirty (30) days** prior to conducting a performance test, the permittee shall submit a written performance test plan to the Department and U.S. EPA, Region 9, that includes date(s) of the test, test duration, test locations, test methods, source operation, locations of VE readings, 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 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 §11-60-15)[1,2]

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 before the tests.

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

6. Performance Test Report

Within **sixty (60) days** after completion of a performance test, the permittee shall submit to the Department and U.S. EPA, Region 9, the test report which shall include the operating conditions of the equipment at the time of the test (e.g., operating rate in tons/hr, water meter flow rate in gal/min, etc.), locations where the VE were read, VE readings, location of water sprays, summarized test results, comparative results with the permit emission limits, other pertinent support calculations, and field/laboratory data. The results shall be recorded and reported in accordance with 40 CFR Part 60, Appendix A, and §60.8.

(Auth.: HAR §11-60.1-3, §11-60.1-11, §11-60.1-90; 40 CFR §60.8, §60.675; SIP §11-60-15)[1,2]

7. Performance Test Waiver

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

(Auth.: HAR §11-60.1-3, §11-60.1-90)

Section G. Change of Location Requirements

1. For all location changes, the permittee shall submit the enclosed **Change of Location Request for a Temporary Source** form to the Department for approval **at least thirty (30) days prior to the change in location**, or such lesser time as designated and approved by the Department.

(Auth.: HAR §11-60.1-3, §11-60.1-91)

2. With each change of location request, the permittee shall submit to the Department:

   a. A map of the proposed new temporary location showing the property boundary, fence lines, location of the equipment on the property, and the location of any other air pollution sources owned and operated by the permittee at the new location; and
   b. An area map showing the proposed new temporary location.

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

3. The applicable filing fee shall be submitted to the Department 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)

4. The permittee shall submit any additional information as requested by the Department.

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

5. Prior to any relocation, the Department shall approve, conditionally approve, or deny in writing each location change. If the Department 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)

6. The change of location approval, or a copy thereof, shall be maintained near the source and shall be made available for inspection upon request by the Department.

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

7. At each of the authorized locations, the permittee shall operate in accordance with this temporary CSP and all applicable requirements.

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

Section H. Agency Notification

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

(Auth.: HAR §11-60.1-4, §11-60.1-90)

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

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

ATTACHMENT II: INSIG
SPECIAL CONDITIONS – INSIGNIFICANT ACTIVITIES
TEMPORARY COVERED SOURCE PERMIT NO. 0929-01-CT

Issuance Date: DATE **Expiration Date: DATE**

In addition to the Standard Conditions of the Temporary CSP, 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 VE, 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 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 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. The records shall be true, accurate and maintained in a permanent form suitable for inspection and made available to the Department or its authorized representative upon request.

   (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 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;
6. Brief description of any deviations including identifying as possible exceptions to compliance any periods during which compliance is required and in which the excursion or exceedances as defined in 40 CFR Part Part 64 occurred; and
7. Any additional information as required by the Department including information to determine compliance.

The compliance certification shall be submitted within **sixty (60) days** after the end of each calendar year, and shall be signed and dated by a responsible official.

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

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 completely 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 temporary CSP 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. 0929-01-CT

Issuance Date: DATE **Expiration Date: 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 **120 days** after the end of each calendar year; and
   b. Within **thirty (30) days** after the permanent discontinuance of the covered source.

2. The annual fees shall be determined and submitted in accordance with HAR, Chapter 11-60.1, Subchapter 6.

3. The annual emissions data for which the annual fees are based shall accompany the submittal of any annual fees and be submitted on forms furnished by the Department.

4. The annual fees and the emission data shall be mailed to:

State of Hawaii
Clean Air Branch
2827 Waimano Home Road, #130
Pearl City, Hawaii 96782

ATTACHMENT IV: ANNUAL EMISSIONS REPORTING REQUIREMENTS
TEMPORARY COVERED SOURCE PERMIT NO. 0929-01-CT

Issuance Date: DATE **Expiration Date: 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 form(s):

   Annual Emissions Report Form: Crushing and Screening Plant

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

   State of Hawaii
   Clean Air Branch
   2827 Waimano Home Road, #130
   Pearl City, Hawaii 96782

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 upon request.

4. Any information submitted to the Department 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. 0929-01-CT
(PAGE 1 OF ___)

Issuance Date: DATE **Expiration Date: DATE**

In accordance with the Hawaii Administrative Rules (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 requested by the Department.

(Make Copies of the Compliance Certification Form for Future Use)

For Period: _____ Date: _____

Company/Facility Name: _____

Responsible Official (Print): _____

Title: _____

Responsible Official (Signature): _____

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 HAR, Title 11, Chapter 60.1, Air Pollution Control, and any permit issued thereof.

COMPLIANCE CERTIFICATION FORM
TEMPORARY COVERED SOURCE PERMIT NO. 0929-01-CT
(CONTINUED, PAGE 2 OF ___)

Issuance Date: DATE **Expiration Date: DATE**

The purpose of this form is to evaluate whether or not the facility was in compliance with the permit terms and conditions during the covered period. If there were any deviations to the permit terms and conditions during the covered period, the deviation(s) shall be certified as *intermittent compliance* for the particular permit term(s) or condition(s). Deviations include failure to monitor, record, report, or collect the minimum data required by the permit to show compliance. In the absence of any deviation, the particular permit term(s) or condition(s) may be certified as *continuous compliance*.

Instructions:
Please certify Sections A, B, and C below for continuous or intermittent compliance. Sections A and B are to be certified as a group of permit conditions. Section C shall be certified individually for each operational and emissions limit condition as listed in the Special Conditions section of the permit (list all applicable equipment for each condition). Any deviations shall also be listed individually and described in Section D. The facility may substitute its own generated form in verbatim for Sections C and D.

A. Attachment I, Standard Conditions

Permit term/condition	Equipment	Compliance
All standard conditions	All Equipment listed in the permit	☐ Continuous ☐ Intermittent

B. Special Conditions - Monitoring, Recordkeeping, Reporting, Testing, and INSIG

Permit term/condition	Equipment	Compliance
All monitoring conditions	All Equipment listed in the permit	☐ Continuous ☐ Intermittent
Permit term/condition All recordkeeping conditions	Equipment All Equipment listed in the permit	Compliance ☐ Continuous ☐ Intermittent
Permit term/condition All reporting conditions	Equipment All Equipment listed in the permit	Compliance ☐ Continuous ☐ Intermittent
Permit term/condition All testing conditions	Equipment All Equipment listed in the permit	Compliance ☐ Continuous ☐ Intermittent
Permit term/condition All INSIG conditions	Equipment All Equipment listed in the permit	Compliance ☐ Continuous ☐ Intermittent

COMPLIANCE CERTIFICATION FORM
TEMPORARY COVERED SOURCE PERMIT NO. 0929-01-CT
(CONTINUED, PAGE ___ OF ___)

Issuance Date: DATE **Expiration Date: DATE**

C. Special Conditions - Operational and Emissions Limitations

Each permit term/condition shall be identified in chronological order using attachment and section numbers (e.g., Attachment II, B.1, Attachment IIA, Special Condition No. B.1.f, etc.). Each equipment shall be identified using the description stated in Section A of the Special Conditions (e.g., Unit No., Model No., Serial No., etc.). Check all methods (as required by permit) used to determine the compliance status of the respective permit term/condition.

Permit term/condition	Equipment	Method	Compliance
		☐ Monitoring ☐ Recordkeeping ☐ Reporting ☐ Testing ☐ None of the above	☐ Continuous ☐ Intermittent
		☐ Monitoring ☐ Recordkeeping ☐ Reporting ☐ Testing ☐ None of the above	☐ Continuous ☐ Intermittent
		☐ Monitoring ☐ Recordkeeping ☐ Reporting ☐ Testing ☐ None of the above	☐ Continuous ☐ Intermittent
		☐ Monitoring ☐ Recordkeeping ☐ Reporting ☐ Testing ☐ None of the above	☐ Continuous ☐ Intermittent
		☐ Monitoring ☐ Recordkeeping ☐ Reporting ☐ Testing ☐ None of the above	☐ Continuous ☐ Intermittent
		☐ Monitoring ☐ Recordkeeping ☐ Reporting ☐ Testing ☐ None of the above	☐ Continuous ☐ Intermittent

(Make Additional Copies if Needed)

COMPLIANCE CERTIFICATION FORM
TEMPORARY COVERED SOURCE PERMIT NO. 0929-01-CT
(CONTINUED, PAGE ___ OF ___)

Issuance Date: DATE **Expiration Date: DATE**

D. Deviations

Permit Term/ Condition	Equipment / Brief Summary of Deviation	Deviation Period time (am/pm) & date (mo/day/yr)	Date of Written Deviation Report to DOH (mo/day/yr)
		Beginning: Ending:	
		Beginning: Ending:	
		Beginning: Ending:	
		Beginning: Ending:	
		Beginning: Ending:	
		Beginning: Ending:	
		Beginning: Ending:	

(Make Additional Copies if Needed)

CHANGE OF LOCATION REQUEST
FOR A TEMPORARY SOURCE
TEMPORARY COVERED SOURCE PERMIT NO. 0929-01-CT
(PAGE 1 OF 3)

Issuance Date: DATE **Expiration Date: DATE**

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

(Make Copies for Future Use)

1. For all location changes, the permittee shall complete and submit this change of location request form to the Department of Health for approval **at least thirty (30) days prior to the change in location**, or such lesser time as designated and approved by the Department of Health.

2. With each change of location request, the permittee shall submit to the Department of Health:

   a. A map of the proposed new temporary location showing the property boundary, fence lines, location of the equipment on the property, and the location of any other air pollution sources owned and operated by the permittee at the new location; and
   b. An area map showing the proposed new temporary location.

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:

   Covered Sources
   _X_ $100.00 for Non-Air Toxic
   ____ $300.00 for Air Toxic

4. The permittee shall submit any additional information as requested by the Department of Health.

5. This **Change of Location Request for a Temporary Source** form shall be mailed to the following address:

State of Hawaii
Clean Air Branch
2827 Waimano Home Road, #130
Pearl City, Hawaii 96782

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1. Prior to any relocation, the Department of Health shall approve, conditionally approve, or deny in writing each location change. If the Department of Health denies a location change, the applicant may appeal the decision pursuant to HRS, Chapter 91.
2. The change of location approval, or a copy thereof, shall be maintained near the source and shall be made available for inspection upon request by the Department of Health.
3. At each new authorized location, the permittee shall operate in accordance with the current temporary covered source permit (CSP) and all applicable requirements.

CHANGE OF LOCATION REQUEST
FOR A TEMPORARY SOURCE
TEMPORARY COVERED SOURCE PERMIT NO. 0929-01-CT
(CONTINUED, PAGE 2 OF 3)

Issuance Date: DATE **Expiration Date: DATE**

1. Company Name: _____
2. Mailing Address: _____
   City: _____ State: _____ Zip Code: _____
   Phone Number: _____
3. Name of Owner/Owner's Agent: _____
   Title: _____ Phone Number: _____
4. Equipment Description (identify each piece of equipment to be relocated): _____
   _____
   _____
   _____
   _____
   _____
5. Current Location of Equipment: _____
6. **New Location Information**
   a. Street Address: _____
   b. City: _____ Zip Code: _____ Island: _____
   c. For sites with no street address, provide:
      Description of location: _____
      Or Tax map key: _____
      Or UTM Coordinates: Zone: ____ Easting: _____ m E, Northing _____ m N
      Horizontal Datum: _____
   d. Plant Manager/Contact: _____ Phone Number: _____
   e. Proposed start date at new location: _____
   f. Estimated project duration at new location: _____
   g. Identify any other air pollution sources owned and operated by the permittee at the new location: _____
      _____
      _____
      _____
   h. Brief description of the work to be performed: _____
      _____

CHANGE OF LOCATION REQUEST
FOR A TEMPORARY SOURCE
TEMPORARY COVERED SOURCE PERMIT NO. 0929-01-CT
(CONTINUED, PAGE 3 OF 3)

Issuance Date: DATE **Expiration Date: DATE**

i. Provide estimated distances to the nearest residence and/or occupied establishments (e.g. schools, businesses, etc.):

Distance [1]	Identify if residence, school, business, etc.

[1]Include units, e.g. feet, miles

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 no modifications will be made to the equipment and operational methods will remain similar as permitted under the current temporary CSP at this new location.

Responsible Official (Print):_____ Date:_____

Title:_____

Responsible Official (Signature):_____

ANNUAL EMISSIONS REPORT FORM
CRUSHING AND SCREENING PLANT
TEMPORARY COVERED SOURCE PERMIT NO. 0929-01-CT

Issuance Date: DATE **Expiration Date: DATE**

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

(Make Copies for Future Use)

For Period:_____ Date:_____

Company Name:_____

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):_____

Report the tons of materials processed and air pollution control measures in use for the calendar year:

Type of Operation	Tons of Materials Processed	Air Pollution Control Measures in Use	Control Efficiency (% Reduction)
Truck Unloading			
200 TPH Crusher with integrated screen			
Conveyor Transfer			
200 TPH Screener			
Stockpiles			
Unpaved Roads			

Note: Control measures include water sprays, housing and duct work to baghouses.
Use the following Control Efficiencies, unless documentation is available to show otherwise:
Baghouses: 99%
Water sprays, or Shroud: 70%
*Subsequent transfer points of water sprayed material: 70-(5*n)%*
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.

MONITORING REPORT FORM
OPACITY EXCEEDANCES
TEMPORARY COVERED SOURCE PERMIT NO. 0929-01-CT

Issuance Date: DATE **Expiration Date: DATE**

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

(Make Copies for Future Use)

For Period:_____ Date:_____

Company Name: _____

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):_____

Visible Emissions:

Report the following on the lines provided below: all date(s) and six (6) minute average opacity reading(s) which the opacity limit was exceeded during the monthly observations; or if there were no exceedances during the monthly observations, then write “no exceedances” in the comment column.

EQUIPMENT or EMISSION POINT DESCRIPTION	SERIAL/ID NO.	DATE	6 MIN. AVER. (%)	COMMENTS

VISIBLE EMISSIONS FORM REQUIREMENTS
STATE OF HAWAII
TEMPORARY COVERED SOURCE PERMIT NO. 0929-01-CT

Issuance Date: DATE **Expiration Date: DATE**

The ***Visible Emissions Form*** shall be completed **monthly** (*each calendar month*) for each equipment subject to opacity limits by a certified reader in accordance with 40 CFR Part 60, Appendix A, Method 9, or U.S. EPA approved equivalent methods, or alternative methods with prior written approval from the Department of Health and the U.S. EPA. The Visible Emissions (VE) Form shall be completed as follows:

1. VE observations shall take place during the day only. 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 VE Form using the symbols as shown.

3. For VE observations of stacks, stand at least three (3) stack heights but not more than a quarter mile from the stack.

4. For VE observations of fugitive emissions from crushing and screening plants, stand at least 4.57 meters (fifteen (15) feet) from the VE source, but not more than a quarter mile from the VE source.

5. Two (2) consecutive six (6) minute observations shall be taken at fifteen (15) second intervals for each stack or emission 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 (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 VE 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.

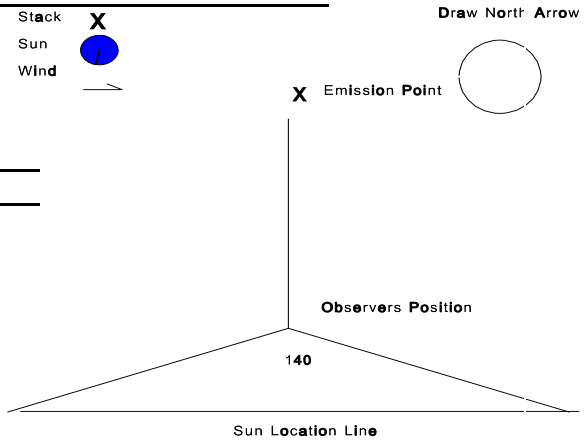
Any required initial and annual performance test performed in accordance with Method 9 by a certified reader shall satisfy the respective equipment's VE monitoring requirements for the month the performance test is performed.

VISIBLE EMISSIONS FORM
TEMPORARY COVERED SOURCE PERMIT NO. 0929-01-CT

Issuance Date: DATE **Expiration Date: DATE**

(Make Copies for Future Use for Each Stack or Emission Point)

Company Name: _____
For stacks, describe equipment and fuel: _____
For fugitive emissions from crushers, describe:
Fugitive emission point: _____
Plant Production (tons/hr): _____
(During observation)



Site Conditions:
Emission point or stack height above ground (ft): _____
Emission point or stack distance from observer (ft): _____
Emission color (black or white): _____
Sky conditions (% cloud cover): _____
Wind speed (mph): _____
Temperature (°F): _____
Observer Name: _____
Certified? (Yes/No): _____

Observation Date and Start Time: _____

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

Observation Date and Start Time: _____

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

Draft Review Summary

DRAFT

INITIAL PERMIT APPLICATION REVIEW
TEMPORARY COVERED SOURCE PERMIT (CSP) No. 0929-01-CT

Application No.:	Application No. 0929-01 for Initial Permit
Applicant:	Concrete Washout Systems of Hawaii, Inc.
Mailing Address:	1061 Mokulua Drive Kailua, Hawaii 96734
Facility:	Crushing and Screening Plant
SIC Code:	1429 (Crushed and Broken Stone, Not Elsewhere Classified)
Location:	Various Temporary Sites, State of Hawaii
Initial Location:	86-70 Leihoku Street, Waianae, Island of Oahu UTM: 4Q; 584,789 m E; 2,370,573 m N (NAD-83)
Responsible Official:	Mr. Gregory L. Perrin President (808) 479-1114
Contact Person:	Mr. J. W. Morrow Consultant (808) 942-9096 jwmorrow@att.net Mr. Gregory L. Perrin President (808) 479-1114 gperrin@ascphi.com

Background:

Concrete Washout Systems of Hawaii, Inc. submitted an initial permit application on December 6, 2024. The facility collects concrete and rock from construction job-sites Island wide and in turn processes the materials into recycled aggregates for backfills, base courses, and re-use into new concrete mixtures. The applicant is proposing to operate a 200 TPH self-propelled crusher with integrated screen and a 200 TPH self-propelled screener at various temporary sites throughout the State of Hawaii. The engines that propel the crusher and screener are exempt from permitting. Emissions regulated by the permit are from the crushing and screening process. Typical operations would be up to 8 hrs/day, 5 days/week, 50 weeks/year depending on job requirements. Material volume received from construction job sites are dependent upon construction activities on Oahu at any given time. General equipment operations are as follows:

Crushing and Screening Operations:

Concrete and rocks are dropped into a grizzly feeder by front loader or excavator, fed to the impact crusher with integrated screen, and conveyed to a stockpile or to the screener for size separation/sorting.

Equipment:

a. 200 TPH Rubble Master Impact Crusher with integrated screen, Model No. RM80 GO!, Serial No. RM80-00-205 (Self-Propelled)[1];
b. 200 TPH Rubble Master Screen, Model No. TS 3600, Serial No. TS3600-0024 (Self-Propelled)[2,3];
c. Various conveyors; and
d. Water spray system(s).

[1]200 TPH Rubble Master Impact Crusher was manufactured in 2016. The engine on the crusher is exempt because it propels the crusher.
[2]200 TPH Rubble Master Screen was manufactured in February 2008. The engine on the screen is exempt because it propels the screen.
[3]The screen was previously permitted under Hawaii Trucking and Crushing's Temporary CSP No. 0839-01-CT and was later sold to Concrete Washout Systems of Hawaii, Inc. The manufacture date is from the review for Temporary CSP No. 0839-01-CT dated March 21, 2022, for Application Nos. 0839-02 and 0839-03.

Air Pollution Control:

The 200 TPH crusher is equipped with a dust suppression system. Water sprays are located in the crusher and at the outlet of the crusher. Dust control is achieved by pre-wetting feed material and application of water sprays as needed. The water spray system on the crusher is required to have a water flow meter to measure the flow rate in gallons per minute when the water spray system is operated. Fugitive dust from stockpiles, crushing/screening area, and truck access routes/unpaved roads that are related to the 200 TPH crusher are controlled by a water truck.

The 200 TPH screen is not equipped with a built-in water spray system. A water truck will be utilized as needed for stockpiles, screening area, and truck access routes/unpaved roads that are related to the 200 TPH screen.

Applicable Requirements:

Hawaii Administrative Rules (HAR)
- Title 11, Chapter 59, Ambient Air Quality Standards
- Title 11, Chapter 60.1, Air Pollution Control
  - Subchapter 1, General Requirements
  - Subchapter 2, General Prohibitions
    - 11-60.1-31, Applicability
    - 11-60.1-32, Visible Emissions
    - 11-60.1-33, Fugitive Dust

Subchapter 5, Covered Sources
Subchapter 6, Fees for Covered Sources, Noncovered Sources and Agricultural Burning
11-60.1-111, Definitions
11-60.1-112, General Fee Provisions for Covered Sources
11-60.1-113, Application Fees for Covered Sources
11-60.1-114, Annual Fees for Covered Sources
11-60.1-115, Basis of Annual Fees for Covered Sources
Subchapter 8, Standards of Performance for Stationary Sources
11-60.1-161, New Source Performance Standards
Subchapter 10, Field Citations

New Source Performance Standards (NSPS) / National Emission Standards for Hazardous Air Pollutants (NESHAP)

This source is subject to 40 Code of Federal Regulations (CFR) Part 60, NSPS, Subpart OOO – Standards of Performance for Non-metallic Mineral Processing Plants, because the maximum capacity of the crusher exceeds 150 TPH and the crusher and screener were manufactured after August 31, 1983. Portable sand and gravel plants and crushed stone plants with capacities of 150 tons/hour or less are not subject to the provisions of this subpart. In Subpart OOO, the capacity is the cumulative rated capacity of all initial crushers that are part of the plant.

The 200 TPH crusher and 200 TPH screen were manufactured in 2016 and February 2008 respectively. Equipment that commenced construction, modification, or reconstruction on or after April 22, 2008, are subject to more stringent fugitive emission opacity limits.

This source is not subject to 40 CFR Part 60, Subpart IIII – Standards of Performance for Stationary Compression Ignition Internal Combustion Engines, because the diesel engines propel tracks for all listed equipment and are nonroad engines. Nonroad engines are not subject to this regulation.

This source is not subject to 40 CFR Part 61, NESHAP, as no hazardous air pollutants are emitted at major source levels (≥ 10 TPY HAP or ≥ 25 TPY for total HAPs) and there are no standards in 40 CFR Part 61 applicable to this facility.

This source is not subject to 40 CFR Part 63, Subpart ZZZZ – National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (RICE), because the diesel engines propel tracks for all listed equipment and are nonroad engines. Nonroad engines are not subject to this regulation.

Prevention of Significant Deterioration (PSD)

This source is not subject to PSD requirements because it is not a major stationary source as defined in 40 CFR §52.21 and HAR, Title 11, Chapter 60.1, Subchapter 7 and potential emissions from the facility are less than 250 tons per year, which is the trigger level for a non-listed source.

Compliance Assurance Monitoring (CAM)
This source is not subject to CAM because the facility is not a major source.

The purpose of CAM is to provide a reasonable assurance that compliance is being achieved with large emissions units that rely on air pollution control device equipment to meet an emissions limit or standard. Pursuant to 40 CFR Part 64, for CAM to be applicable, the emissions unit must:

(1) Be located at a major source;
(2) Be subject to an emissions limit or standard;
(3) Use a control device to achieve compliance;
(4) Have potential pre-control emissions that are one hundred (100) percent of the major source level; and
(5) Not otherwise be exempt from CAM.

Air Emissions Reporting Requirements (AERR)
This source is not subject to AERR, 40 CFR Part 51, Subpart A.

Emissions that can be considered reasonably capturable during rock crushing and screening activities are included in the determination of whether this source is subject to AERR. Fugitive emissions that are not considered reasonably capturable, have not been included in the determination of whether this stationary source is subject to AERR.

The diesel engines propel the crusher and screener and are therefore exempt. For this reason, emissions from the diesel engine are not included in the determination of whether this stationary source is subject to AERR.

AERR Applicability

Pollutant	Emissions at 8,760 hrs/yr (tons/yr)	AERR Trigger Level (Type B) (tons/yr)
SO_2	-	≥100 TPY
VOC	-	≥100 TPY
NO_x	-	≥100 TPY
CO	-	≥1000 TPY
PM_{10}	1.30	≥100 TPY
$PM_{2.5}$	0.18	≥100 TPY

This table only includes emissions considered reasonably capturable.

CAB In-house Annual Emissions Reporting
The facility is subject to in-house annual emissions reporting because the facility holds a temporary CSP.

CAB in-house annual emissions reporting is required for: 1) all facilities holding a temporary CSP; and 2) noncovered source facilities with a potential to emit, based on permit limits, equal to or above the CAB in-house annual emissions reporting trigger levels.

CAB In-House Annual Emissions Reporting Applicability

Pollutant	Emissions Based on 8,760 hrs/yr (tons/yr)	CAB In-House Annual Emissions Reporting Trigger Level (tons/yr)
SO_2	-	≥25
VOC	-	≥25
NO_x	-	≥25
CO	-	≥250
PM	33.57	≥25
PM_{10}	12.31	≥25
$PM_{2.5}$	1.68	≥25
Total HAPs	-	≥5

This table includes all fugitive emissions, capturable and non-capturable.

Best Available Control Technology (BACT)
This source is not subject to a BACT analysis.

A BACT analysis is required for new sources and modifications to sources that have the potential to emit or increase emissions above significant levels, as defined in HAR §11-60.1-1, considering any limitations. Potentially capturable fugitive emissions (which includes the crusher with integrated screen) are below significant levels. Therefore, a BACT analysis is not required. Although not subject to a BACT analysis, the facility is required to employ water sprays to control fugitive dust emissions.

Insignificant Activities/Exemptions:

The diesel engines on the crusher and screener propel the equipment and are exempt in accordance with HAR §11-60.1-82(d)(4).

Alternate Operating Scenarios:

None.

Project Emissions:

200 TPH Crusher with integrated screen
The maximum capacity of the crusher is 200 TPH based on data submitted by the applicant. Water sprays will be used to control particulate matter emissions. Emission factors for the crusher with built-in screen are from AP-42, Table 11.19.2-2 Emission Factors for Crushed Stone Processing Operations (8/04). Approximately fifty-one (51) percent of particulate emissions are assumed to be PM_{10}. $PM_{2.5}$ assumed to be fifteen (15) percent of particulate emissions per AP-42, Appendix B.2 (1/95).

200 TPH Crusher	
Pollutant	Emissions (TPY) (8,760 hrs/yr)
PM	3.50
PM_{10}	1.30
$PM_{2.5}$	0.18

200 TPH Screener

The maximum capacity of the screener is 200 TPH based on data submitted by the applicant. Water sprays will be used to control particulate matter emissions. Emission factors for the screener are from AP-42, Table 11.19.2-2 Emission Factors for Crushed Stone Processing Operations (8/04). Approximately fifty-one (51) percent of particulate emissions are assumed to be PM_{10}. $PM_{2.5}$ assumed to be fifteen (15) percent of particulate emissions per AP-42, Appendix B.2 (1/95).

200 TPH Screener	
Pollutant	Emissions (TPY) (8,760 hrs/yr)
PM	2.81
PM_{10}	0.94
$PM_{2.5}$	0.13

Storage Piles

Storage pile emissions are based on emission factors from AP-42, Section 13.2.4 – Aggregate handling and Storage Piles. Water suppression provides seventy (70) percent control efficiency.

Storage Piles	
Pollutant	Emissions (TPY) (8,760 hrs/yr)
PM	14.90
PM_{10}	7.05
$PM_{2.5}$	1.07

Vehicle Travel on Unpaved Roads

The maximum capacity of the crusher and screener was used to calculate emissions. A seventy (70) percent control efficiency was assumed for water suppression to control fugitive dust. Emissions were based on emission factors from AP-42, Section 13.2.2 (11/06) – Unpaved Roads.

Vehicle Travel on Unpaved Roads	
Pollutant	Emissions (TPY) (8,760 hrs/yr)
PM	12.36
PM_{10}	3.02
$PM_{2.5}$	0.30

Total Facility Emissions

Total Facility Emissions	
Pollutant	Emissions (TPY) (8,760 hrs/yr)
PM	33.57
PM_{10}	12.31
$PM_{2.5}$	1.68

Reasonably Capturable Emissions	
Pollutant	Emissions (TPY) (8,760 hrs/yr)
PM	3.50
PM_{10}	1.30
$PM_{2.5}$	0.18

Synthetic Minor Source/Major Source Applicability:

A synthetic minor source is a facility that is potentially major, as defined in HAR §11-60.1-1, but is made non-major through federally enforceable permit conditions. This facility is not a synthetic minor source because potential emissions do not exceed major source thresholds when the facility is operated without limitations for 8,760 hours/year.

Pollutant	Emissions Based on 8,760 hrs/yr (tons/yr)	Major Source Trigger (tons/yr)
SO_2	-	≥100
VOC	-	≥100
NO_x	-	≥100
CO	-	≥100
PM	3.50	None
PM_{10}	1.30	≥100
$PM_{2.5}$	0.18	≥100
Total HAPs	-	≥10 single HAP or ≥25 combined HAPs

This table only includes emissions considered reasonably capturable and is based on 8,760 hrs/yr of operation.

Ambient Air Quality Assessment:

An ambient air quality assessment is generally required for new sources or modified sources with emission increases. An ambient air quality assessment is not required for the exempt diesel engines on the self-propelled crusher and screener. Other emissions from the crusher and screener are fugitive in nature and do not require an ambient air quality assessment.

Significant Permit Conditions:

The 200 TPH crusher's capacity exceeds 150 TPH and the crusher was manufactured in 2016. The 200 TPH screener was manufactured in February 2008. Therefore, they are subject to the Subpart OOO visible emission limits. Performance testing, reporting, and record keeping are required in the permit to meet the requirements of 40 CFR Part 60, Subpart OOO.

1. Fugitive Emission Limits

    a. 200 TPH Rubble Master Impact Crusher with integrated screen

        i. The permittee shall not cause to be discharged into the atmosphere from any crusher, fugitive emissions which exhibit greater than twelve (12) percent opacity.
        ii. The permittee shall not cause to be discharged into the atmosphere from any transfer point on the belt conveyors, screening operation, or from any other affected facility, fugitive emissions which exhibit greater than seven (7) percent opacity.

    b. 200 TPH Rubble Master Screener

        The permittee shall not cause to be discharged into the atmosphere from any transfer point on the belt conveyors, screening operation, or from any other affected facility, fugitive emissions which exhibit greater than ten (10) percent opacity.

    Reason: 40 CFR Part 60, Subpart OOO, provisions.

2. Annual emissions reporting will be required because the facility holds a temporary CSP.

    Reason: CAB in-house annual emissions reporting is required for facilities holding a temporary CSP.

3. Prohibited Operation with Noncovered Source Permit (NSP) No. 0889-01-N

    The equipment listed in Attachment II, Special Condition No. A.1 are prohibited from operating on the same site as the equipment listed in NSP Permit No. 0889-01-N.

    Reason: To prevent equipment from NSP No. 0889-01-N from becoming subject to 40 CFR Part 60, Subpart 000 provisions.

Conclusion and Recommendations:

Concrete Washout Systems of Hawaii, Inc. submitted an initial permit application for a temporary CSP on December 6, 2024. Potential emissions were based on the maximum rated capacity of the crusher and screener. Actual operating hours and emissions are expected to be less. Recommend issuance of the temporary CSP subject to the incorporation of the significant permit conditions, thirty (30) day public comment period, and forty-five (45) day Environmental Protection Agency review period.

Al Jerome Natac
December 3, 2025

Application
and
Supporting Information

HAND DELIVERED
DEC - 6 2024

J. W. MORROW

Environmental Management
Consultant

December 5, 2024

Ms. Marianne Rossio, P.E.
Manager, Clean Air Branch
Department of Health
Hale Ola Building, Room 130
2827 Waimano Home Road
Pearl City, Hawaii 96782

Dear Ms. Rossio:

Subject: Application for a Temporary Covered Source Permit
Concrete Washout Systems of Hawaii

I am submitting herewith the subject application for your review and action along with a $1,000 check for the required application fee.

Please have your staff contact me at (808) 942-9096 with any questions pertaining to this submittal.

Sincerely,

James W. Morrow

James W. Morrow, DrPH

JWM:jm
241205

Enclosures

cc: Concrete Washout Systems of Hawaii

1481 South King Street, Suite 548, Honolulu, Hawaii 96814
Telephone: (808) 942-9096 E-mail: jwmorrow@att.net

MD2 4038

APPLICATION FOR A TEMPORARY COVERED SOURCE PERMIT

200 TPH Mobile Impact Crusher
200 TPH Mobile Screen

SUBMITTED TO:

State of Hawaii
Department of Health
Clean Air Branch

SUBMITTED BY:

Concrete Washout Systems of Hawaii
94-400 Koaki Street
Waipahu, Hawaii 96797

December 2024

CONTENTS

FORM S-1

File/Application No.: _____

S-1: Standard Air Pollution Control Permit Application Form

(Covered Source Permit and Noncovered Source Permit)

State of Hawaii
Department of Health
Environmental Management Division
Clean Air Branch
P.O. Box 3378 • Honolulu, HI 96801-3378 • Phone: (808) 586-4200

1. Company Name: **Concrete Washout Systems of Hawaii, Inc.**
2. Facility Name (if different from the Company): _____
3. Mailing Address: **94-400 Koaki Street**

   City: **Waipahu** State: **HI** Zip Code: **96797**

   Phone Number: **(808) 520-5953**
4. Name of Owner/Owner's Agent: **J. W. Morrow**

   Title: **Environmental Management Consultant** Phone: **(808) 942-9096**

   Mailing Address: **1481 South King Street, Suite 548**

   City: **Honolulu** State: **HI** Zip Code: **96814**
5. Plant Site Manager/Other Contact: **Gregory Perrin**

   Title: **President** Phone: **(808) 479-1114**

   Mailing Address: **94-400 Koaki Street**

   City: **Waipahu** State: **HI** Zip Code: **96797**
6. Permit Application Basis: (Check all applicable categories.)

   ☑ Initial Permit for a New Source ☐ Initial Permit for an Existing Source

   ☐ Renewal of Existing Permit ☐ General Permit

   ☑ Temporary Source ☐ Transfer of Permit

   ☐ Modification to a Covered Source: → Is Modification? ☐ Significant ☐ Minor ☐ Uncertain

   ☐ Modification to a Noncovered Source
7. If renewal or modification, include existing permit number: _____
8. Does the Proposed Source require a County Special Management Area Permit? ☐ Yes ☑ No
9. Type of Source (Check One): ☑ Covered Source ☐ Covered and PSD Source

   ☐ Noncovered Source ☐ Uncertain
10. Standard Industrial Classification Code (SICC), if known: **1429**

11. Proposed Equipment/Plant Location (e.g. street address): **86-070 Leihoku Street**

City: **Waianae** State: **HI** Zip Code: **96792**

UTM Coordinates (meters): East: _____ North: _____

UTM Zone: **4** UTM Horizontal Datum: ☐ Old Hawaiian ☐ NAD-27 ☑ NAD-83

12. General Nature of Business: **concrete washout/recycling**

13. Date of Planned Commencement of Construction or Modification: **upon permit issuance**

14. Is ***any*** of the equipment to be leased to another individual or entity? ☑ Yes ☐ No

15. Type of Organization: ☒ Corporation ☐ Individual Owner ☐ Partnership

☐ Government Agency (Government Facility Code: _____)

☐ Other: _____

Any applicant for a permit who fails to submit any relevant facts or who has submitted incorrect information in any permit application shall, upon becoming aware of such failure or incorrect submittal, promptly submit such supplementary facts or corrected information. In addition, an applicant shall provide additional information as necessary to address any requirements that become applicable to the source after the date it filed a complete application, but prior to the issuance of the noncovered source permit or release of a draft covered source permit. (HAR §11-60.1-64 & 11-60.1-84)

RESPONSIBLE OFFICIAL (as defined in HAR §11-60.1-1)

Name (Last): **Perrin** (First): **Gregory** (MI): **L**

Title: **President** Phone: _____

Mailing Address: **94-400 Koahi Street**

City: **Waipahu** State: **HI** Zip Code: **96797**

Certification by Responsible Official (pursuant to HAR §11-60.1-4)

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 (HAR), Title 11, Chapter 60.1, Air Pollution Control, and any permit issued thereof.

NAME (Print/Type): **Gregory L. Perrin**

(Signature): _____ Date: 12/4/24

FOR AGENCY USE ONLY:

File/Application No.: _____

Island: _____

Date Received: _____

1. INTRODUCTION

Concrete Washout Systems of Hawaii, Inc. (the "Applicant") is proposing to install and operate a 200 TPH mobile impact crusher and 200 TPH mobile screen at various sites throughout the state.

As part of the regulatory requirements to install and operate this mobile jaw, the Applicant is submitting herein an Application for a Temporary Covered Source Permit pursuant to Hawaii Administrative Rules (HAR) Chapter 11-60.1. The application begins with a brief summary of the method used in determining the applicability followed by sections providing all other information specified in the Department of Health (DOH) rules and application Forms S-1, S-4, and C-1.

2. APPLICABILITY

The first step in the HAR Chapter 11-60.1 permitting process is to determine which provisions of the rules apply and which type of permit, if any, is required for a given "source." This "applicability" analysis is based on a calculation of estimated annual emissions from the proposed "source" or modification to a source. These calculations must be based on the "potential to emit" (PTE) of the individual source or modification in question. Federal new source performance standards (CAA §111) and national emissions standards for hazardous air pollutants (NESHAPs) (CAA §112) are also criteria for determining applicability of Chapter 11-60.1.

In this instance, the proposed mobile crusher and screen will not exceed either the 100 TPY "Covered Source" threshold nor any of the "significant" emissions thresholds. Furthermore, they are not subject to stationary source NSPS or NESHAPs; thus, they are subject to Noncovered Source permitting. Since the Applicant may move these track-mounted units during the term of the permit, it is also considered a "temporary" covered source.

3. FORM S-1 INFORMATION

a. Emissions Units Table. The required Emissions Units Table information is provided in Table S-1.1.

b. Process Flow . The process is self-evident as material is fed to the crusher for size reduction and to the screen for size sorting.

c. Description of Emissions Points. The only emission poinst are the exhaust stacks from the exempt diesel engines which power the crusher and screens and propel the machines.

d. Emission Calculations. The fugitive emissions shown in Tables S-1.1 were calculated based on manufacturer's data and the latest AP-42 emission factors. Calculations are provided in Appendix A.

e. Facility Location Map. See Figure S-1.1 for the initial location of the equipment.

COMPANY NAME: Concrete Washout Systems of Hawaii

File No. ___

LOCATION: Waianae, Oahu

(Make as many copies of this page as necessary)

TABLE S-1.1

EMISSIONS UNITS TABLE

Review of applications and issuance of permits will be expedited by supplying all necessary information on this table.

AIR POLLUTANT DATA: EMISSION POINTS				AIR POLLUTANT	AIR POLLUTANT EMISSION RATE		UTM Zone: 4 Horizontal Datum [a]: NAD-83		Stack Source Parameters						
Stack No.	**Unit No.**	**Equipment Name/Description and SICC Number**	**Equip. Date**	**Regulated/ Hazardous Air Pollutant Name & CAS#**	**#/hr**	**Tons /yr**	**Coordinates**	**(meters)**	**Stack Height (m)**	**Direction (u,d,h)[b]**	**Inside Diameter (m)**	**Velocity (m/s)**	**Actual Flow Rate (m3/s)**	**Temp (°K)**	**Capped? (Y/N)**
		Fugitive dust sources (RM80GO! impact crusher	Jan 25	PM/TSP	0.79	15.96	East	584,789							
							North	2,370,573							
				PM10	0.30	7.20	East								
							North								
				PM2.5	0.04	1.11	East								
							North								
							East								
							North								
							East								
							North								
							East								
							North								
		Fugitive dust sources (TS3600 2-deck screen)	Jan 25	PM/TSP	0.64	9.03	East	584,789							
							North	2,370,573							
				PM10	2.16E-01	3.90E+00	East								
							North								
				PM2.5	3.56E-02	1.08E+00	East								
							North								
							East								
							North								
							East								
							North								
							East								
							North								
							East								
							North								
							East								
							North								
							East								
							North								

(a) Specify UTM Horizontal Datum as Old Hawaiian, NAD-83, or NAD-27

(b) Specify the direction of the stack exhaust as u= upward, d= downard, or h = horizontal

FIGURE S-1.1

SOURCE LOCATION

Waianae, Oahu

UTM Zone4
584,789 E
2,370,573 N

FORM S-4

File No. _____

I. In accordance with Chapter 11-60.1, §11-60.1-83, the following information is provided:

A. Equipment Specifications: See Table S-4.1. Manufacturer's literature may be found in Appendix B.

TABLE S-4.1

EQUIPMENT SPECIFICATIONS

Parameter	Rubblemaster RM80GO! Mobile Jaw	Rubblemaster TS3600Mobile Screen
Serial Number	RM80-00-205	TS3600-0024
Maximum design capacity	200 TPH	200 TPH
Fuel type	ULSD	USLD
Fuel use	N/A EXEMPT	N/A EXEMPT
Production capacity	200 TPH	200 TPH
Production rates	200 TPH	200 TPH
Raw materials	concrete, rock	concrete, rock

B. Process Description, Operating Scenarios, Air Pollution Control.

1. Process Description. Rocks are dropped into a grizzly feeder by front loader or excavator, fed to the jaw crusher , reduced to desired size and conveyed either to a stockpile or to the screen for size separation.

2. Alternate Operating Scenarios. N/A

3. Air Pollution Control.

PM control is achieved by pre-wetting feed material and application of water sprays as needed.

4. Insignificant Activities. The engines which propel these mobile units are exempt pursuant to 11-60.1-82.d(4).

C. Operating Schedule. Typical operations would be up to 8 hr/da, 5 da/wk, 50 wk/yr depending on job requirements.

D. Applicable Requirements.

1. 40 CFR 50, NAAQS
2. 40 CFR 60, Subparts A & OOO
3. HAR, Chapt. 11-59, HAAQS
4. HAR §11-60.1-31, applicability
5. HAR §11-60.1-32, visible emissions
6. HAR §11-60.1, Subchapter 5, Covered Sources
7. HAR §11-60.1, Subchapter 6, Fees
8. HAR §11-60.1, Subchapter 10, Field Citations

E. Operational Limitations/Work Practices. N/A

F. Construction Schedule.

G. Emissions Trading. N/A

H. Air Quality Impact Assessment. N/A

I. PSD Requirements. N/A

J. Emissions Trading. N/A

K. Compliance Forms. The required Forms C-1 and C-2 are included.

II. APPLICATION FEE

The required application fee of $1,000 is enclosed.

FORM C-1

File No.: _____

C-1: Compliance Plan

The Responsible Official shall submit a Compliance Plan as indicated in the Instructions for Applying for an Air Pollution Control Permit and at such other times as requested by the Director of Health (hereafter, Director).

Use separate sheets of paper if necessary.

1. Compliance status with respect to all Applicable Requirements:

   Will your facility be in compliance, or is your facility in compliance, with all applicable requirements in effect at the time of your permit application submittal?

   ☑ YES {If YES, complete items a and c below}

   ☐ NO {If NO, complete items a, b, and c below}

   a. Identify all applicable requirement(s) for which compliance is achieved.

HAR Chapt. 11-59, HAAQS	40 CFR 50, NAAQS
HAR 11-60.1-11, sampling, testing & reporting	HAR 11-60.1-31, applicability
HAR 11-60.1-32(b), visible emissions	HAR 11-60.1, Subchapt. 6, Fees
HAR 11-60.1, Subchapt. 5, Covered Sources	HAR 11-60.1, Subchapt. 10, Field Citations
40 CFR 60, Subpart OOO	

   Provide a statement that the source is in compliance and will continue to comply with all such requirements.

   To the best of my knowledge and belief, the proposed 200 TPH mobile crusher and screen will be deigned and operated to maintain compliance with the aforementioned applicable requirements.

   b. Identify all applicable requirement(s) for which compliance is NOT achieved.

   N/A

   Provide a detailed Schedule of Compliance Schedule and a description of how the source will achieve compliance with all such applicable requirements.

Description of Remedial Action	Expected Date of Completion
N/A	

c. Identify any other applicable requirement(s) with a future compliance date that your source is subject to. These applicable requirements may take effect AFTER permit issuance:

Applicable Requirement	Effective Date	Currently in Compliance?
N/A		

If the source is not currently in compliance, provide a Schedule of Compliance and a description of how the source will achieve compliance with all such applicable requirements:

Description of Proposed Action/Steps to Achieve Compliance	Expected Date of Achieving Compliance
N/A	

Provide a statement that the source on a timely basis will meet all these applicable requirements:

N/A

If the expected date of achieving compliance will NOT meet the applicable requirement's effective date, provide a more detailed description of each remedial action and the expected date of completion:

Description of Remedial Action and Explanation	Expected Date of Completion
N/A	

2. Compliance Progress Reports:

a. If a compliance plan is being submitted to remedy a violation, complete the following information:

Frequency of Submittal: _____ (less than or equal to 6 months) Beginning Date: _____

b. Date(s) that the Action described in (1)(b) was achieved:

Remedial Action	Date Achieved
N/A	

c. Narrative description of why any date(s) in (1)(b) was not met, and any preventive or corrective measures taken in the interim:

N/A

RESPONSIBLE OFFICIAL (as defined in HAR §11-60.1-1)

Name (Last): **Perrin** (First): **Gregory** (MI): **L**

Title: **President** Phone: **(808) 479-1114**

Mailing Address: **94-400 Koaki Street**

City: **Waipahu** State: **HI** Zip Code: **96797**

Certification by Responsible Official (pursuant to HAR §11-60.1-4)

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.

Name (Print/Type): **Gregory L. Perrin**

(Signature): Gregory L. Perrin Date: 12/4/24

Facility Name: **200 TPH Mobile Crusher & Screen**

Location: **86-070 Leihoku St, Waianae (initial location)**

Permit Number: **TBD**

FOR AGENCY USE ONLY

File/Application No.:

Island:

Date Received:

FORM C-2

File No.: _____

C-1: Compliance Plan

The Responsible Official shall submit a Compliance Plan as indicated in the Instructions for Applying for an Air Pollution Control Permit and at such other times as requested by the Director of Health (hereafter, Director).

Use separate sheets of paper if necessary.

1. Compliance status with respect to all Applicable Requirements:

   Will your facility be in compliance, or is your facility in compliance, with all applicable requirements in effect at the time of your permit application submittal?

   ☑ YES {If YES, complete items a and c below}

   ☐ NO {If NO, complete items a, b, and c below}

   a. Identify all applicable requirement(s) for which compliance is achieved.

HAR Chapt. 11-59, HAAQS	40 CFR 50, NAAQS
HAR 11-60.1-11, sampling, testing & reporting	HAR 11-60.1-31, applicability
HAR 11-60.1-32(b), visible emissions	HAR 11-60.1, Subchapt. 6, Fees
HAR 11-60.1, Subchapt. 5, Covered Sources	HAR 11-60.1, Subchapt. 10, Field Citations
40 CFR 60, Subpart OOO	

   Provide a statement that the source is in compliance and will continue to comply with all such requirements.

   To the best of my knowledge and belief, the proposed 200 TPH mobile crusher and screen will be deigned and operated to maintain compliance with the aforementioned applicable requirements.

   b. Identify all applicable requirement(s) for which compliance is NOT achieved.

   N/A

   Provide a detailed Schedule of Compliance Schedule and a description of how the source will achieve compliance with all such applicable requirements.

Description of Remedial Action	Expected Date of Completion
N/A	

c. Identify any other applicable requirement(s) with a future compliance date that your source is subject to. These applicable requirements may take effect AFTER permit issuance:

Applicable Requirement	Effective Date	Currently in Compliance?
N/A		

If the source is not currently in compliance, provide a Schedule of Compliance and a description of how the source will achieve compliance with all such applicable requirements:

Description of Proposed Action/Steps to Achieve Compliance	Expected Date of Achieving Compliance
N/A	

Provide a statement that the source on a timely basis will meet all these applicable requirements:

N/A

If the expected date of achieving compliance will NOT meet the applicable requirement's effective date, provide a more detailed description of each remedial action and the expected date of completion:

Description of Remedial Action and Explanation	Expected Date of Completion
N/A	

2. Compliance Progress Reports:

a. If a compliance plan is being submitted to remedy a violation, complete the following information:

Frequency of Submittal: _____ (less than or equal to 6 months) Beginning Date: _____

File No.: _____

C-2: Compliance Certification

The Responsible Official shall submit a Compliance Certification as indicated in the Instructions for Applying for an Air Pollution Control Permit and at such other times as requested by the Director of Health (hereafter, Director).

Complete as many copies of this form as needed. Use separate sheets of paper if necessary.

RESPONSIBLE OFFICIAL (as defined in HAR §11-60.1-1)

Name (Last): **Perrin** (First): **Gregory** (MI): **L**

Title: **President** Phone: **(808) 479-1114**

Mailing Address: **94-400 Koaki St**

City: **Waipahu** State: **HI** Zip Code: **96797**

Certification by Responsible Official (pursuant to HAR §11-60.1-4)

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.

Name (Print/Type): **Gregory L. Perrin**

(Signature): _____ Date: 12/4/24

Facility Name: **200 TPH Mobile Crusher & Screen**

Location: **86-070 Leihoku St, Waianae (Initial location)**

Permit Number: **TBD**

FOR AGENCY USE ONLY
File/Application No.:
Island:
Date Received:

APPENDIX A

CALCULATIONS

FUGITIVE TSP EMISSIONS CALCULATIONS
200 TPH RM80GO! MOBILE CRUSHER

Fugitive Emission Point	Source	UnCon. EF (lb/T)	Cntl'd EF (lb/T)	Annual Hours	Process Input/Output (T/hr)	Annual Throughput T/yr	Control Type	Controlled Emissions lb/hr[3]	Controlled Emissions T/yr[4]	Uncon. Emissions T/yr[4]
F1	Truck unload	n/d	n/d	8,760	200.0	1,752,000	n/a	0.00E+00	0.00E+00	0.00
F2	Feeder to impact crusher	3.00E-03	1.40E-04	8,760	200.0	1,752,000	water	2.80E-02	1.23E-01	2.63
F3	200 TPH impact crusher	5.40E-03	1.20E-03	8,760	200.0	1,752,000	water	2.40E-01	1.05E+00	4.73
F4	Crusher to screen	3.00E-03	1.40E-04	8,760	200.0	1,752,000	water	2.80E-02	1.23E-01	2.63
F5	Screen	2.50E-02	2.20E-03	8,760	200.0	1,752,000	water	4.40E-01	1.93E+00	21.90
F6	Screen to conveyor	3.00E-03	1.40E-04	8,760	200.0	1,752,000	water	2.80E-02	1.23E-01	2.63
F7	Conveyor to Stockpile	3.00E-03	1.40E-04	8,760	200.0	1,752,000	water	2.80E-02	1.23E-01	2.63
						Total:		**0.79**	**3.47**	**37.14**

Notes: Reference: AP-42, Table 11.19.2-2 (8/04)

FUGITIVE PM10 EMISSIONS CALCULATIONS
200 TPH RM80GO! MOBILE CRUSHER

Fugitive Emission Point	Source	UnCon. EF (lb/T)	Contl'd EF (lb/T)	Annual Hours	Process Input/Output (T/hr)	Annual Throughput T/yr	Control Type	Controlled Emissions lb/hr[3]	Controlled Emissions T/yr[4]	Uncon. Emissions T/yr[4]
F1	Truck unload	1.60E-05	1.60E-05	8,760	200.0	1,752,000	n/a	3.20E-03	1.40E-02	1.40E-02
F2	Feeder to impact crusher	1.10E-03	4.60E-05	8,760	200.0	1,752,000	water	9.20E-03	4.03E-02	0.96
F3	200 TPH impact crusher	2.40E-03	5.40E-04	8,760	200.0	1,752,000	water	1.08E-01	4.73E-01	2.10
F4	Crusher to screen	1.10E-03	4.60E-05	8,760	200.0	1,752,000	water	9.20E-03	4.03E-02	0.96
F5	Screen	8.70E-03	7.40E-04	8,760	200.0	1,752,000	water	1.48E-01	6.48E-01	7.62
F6	Screen to conveyor	1.10E-03	4.60E-05	8,760	200.0	1,752,000	water	9.20E-03	4.03E-02	0.96
F7	Conveyor to Stockpile	1.10E-03	4.60E-05	8,760	200.0	1,752,000	water	9.20E-03	4.03E-02	0.96
						Total:		**0.30**	**1.30**	**13.59**

Notes: Reference: AP-42, Table 11.19.2-2 (8/04)

FUGITIVE $PM_{2.5}$ EMISSIONS CALCULATIONS
200 TPH RM80GO! MOBILE CRUSHER

Fugitive Emission Point	Source	UnCon. EF (lb/T)	Contl'd EF (lb/T)	Annual Hours	Process Input/Output (T/hr)	Annual Throughput T/yr	Control Type	Controlled Emissions lb/hr[3]	Controlled Emissions T/yr[4]	Uncon. Emissions T/yr[4]
F1	Truck unload	n/d	n/d	8,760	200.0	1,752,000	n/a	0.00E+00	0.00	0.00
F2	Feeder to impact crusher	n/d	1.30E-05	8,760	200.0	1,752,000	water	2.60E-03	0.01	0.00
F3	200 TPH impact crusher	n/d	1.00E-04	8,760	200.0	1,752,000	water	2.00E-02	0.09	0.00
F4	Crusher to screen	n/d	1.30E-05	8,760	200.0	1,752,000	water	2.60E-03	0.01	0.00
F5	Screen	n/d	5.00E-05	8,760	200.0	1,752,000	water	1.00E-02	0.04	0.00
F6	Screen to conveyor	n/d	1.30E-05	8,760	200.0	1,752,000	water	2.60E-03	0.01	0.00
F7	Conveyor to Stockpile	n/d	1.30E-05	8,760	200.0	1,752,000	water	2.60E-03	0.01	0.00
						Total:		**0.04**	**0.18**	**0.00**

Notes: Reference: AP-42, Table 11.19.2-2 (8/04)

FUGITIVE PARTICULATE MATTER
EMISSIONS CALCULATIONS
RM80GO! STOCKPILE

Storage Pile	Production (TPY)	TSP		PM_{10}		$PM_{2.5}$	
		EF (lb/T)[1]	TPY	EF (lb/T)[2]	TPY	EF (lb/T)[3]	TPY[3]
All	1,752,000	7.13E-03	6.24	3.37E-03	2.95	1.06E-03	0.93
TOTAL:			6.24		2.95		0.93

Notes:

1. Based on U=15 mph, M=2.525%, k=0.74 (AP-42, Sec 13.2.4, Nov 06)
2. Based on U=15 mph, M=2.525%, k=0.35 (AP-42, Sec 13.2.4, Nov 06)
3. Based on U=15 mph, M=2.525%, k=0.11 (AP-42, Sec 13.2.4, Nov 06)

FUGITIVE TSP EMISSIONS CALCULATIONS
200 TPH TS3600 MOBILE SCREEN

Fugitive Emission Point	Source	UnCon. EF (lb/T)	Contl'd EF (lb/T)	Annual Hours	Process Input/Output (T/hr)	Annual Throughput T/yr	Control Type	Controlled Emissions lb/hr[3]	Controlled Emissions T/yr[4]	Uncon. Emissions T/yr[4]
F1	Truck unload	n/d	n/d	8,760	200.0	1,752,000	n/a	0.00E+00	0.00E+00	0.00
F2	Feeder to screen	3.00E-03	1.40E-04	8,760	200.0	1,752,000	water	2.80E-02	1.23E-01	2.63
F3	Screen	2.50E-02	2.20E-03	8,760	200.0	1,752,000	water	4.40E-01	1.93E+00	21.90
F4	Screen to stacker #1	3.00E-03	1.40E-04	8,760	200.0	1,752,000	water	2.80E-02	1.23E-01	2.63
F5	Stacker to stockpile	3.00E-03	1.40E-04	8,760	200.0	1,752,000	water	2.80E-02	1.23E-01	2.63
F6	Screen to stacker #2	3.00E-03	1.40E-04	8,760	200.0	1,752,000	water	2.80E-02	1.23E-01	2.63
F7	Stacker to stockpile	3.00E-03	1.40E-04	8,760	200.0	1,752,000	water	2.80E-02	1.23E-01	2.63
F8	Screen to stacker #2	3.00E-03	1.40E-04	8,760	200.0	1,752,000	water	2.80E-02	1.23E-01	2.63
F9	Stacker to stockpile	3.00E-03	1.40E-04	8,760	200.0	1,752,000	water	2.80E-02	1.23E-01	2.63
						Total:		**0.64**	**2.79**	**40.30**

Notes: Reference: AP-42, Table 11.19.2-2 (8/04)

FUGITIVE PM10 EMISSIONS CALCULATIONS
200 TPH TS3600 MOBILE SCREEN

Fugitive Emission Point	Source	UnCon. EF (lb/T)	Contl'd EF (lb/T)	Annual Hours	Process Input/Output (T/hr)	Annual Throughput T/yr	Control Type	Controlled Emissions lb/hr[3]	Controlled Emissions T/yr[4]	Uncon. Emissions T/yr[4]
F1	Truck unload	1.60E-05	1.60E-05	8,760	200.0	1,752,000	n/a	3.20E-03	1.40E-02	1.40E-02
F2	Feeder to screen	1.10E-03	4.60E-05	8,760	200.0	1,752,000	water	9.20E-03	4.03E-02	0.96
F3	Screen	8.70E-03	7.40E-04	8,760	200.0	1,752,000	water	1.48E-01	6.48E-01	7.62
F4	Screen to stacker #1	1.10E-03	4.60E-05	8,760	200.0	1,752,000	water	9.20E-03	4.03E-02	0.96
F5	Stacker to stockpile	1.10E-03	4.60E-05	8,760	200.0	1,752,000	water	9.20E-03	4.03E-02	0.96
F6	Screen to stacker #2	1.10E-03	4.60E-05	8,760	200.0	1,752,000	water	9.20E-03	4.03E-02	0.96
F7	Stacker to stockpile	1.10E-03	4.60E-05	8,760	200.0	1,752,000	water	9.20E-03	4.03E-02	0.96
F8	Screen to stacker #2	1.10E-03	4.60E-05	8,760	200.0	1,752,000	water	9.20E-03	4.03E-02	0.96
F9	Stacker to stockpile	1.10E-03	4.60E-05	8,760	200.0	1,752,000	water	9.20E-03	4.03E-02	0.96
						Total:		**0.22**	**0.94**	**14.38**

Notes: Reference: AP-42, Table 11.19.2-2 (8/04)

FUGITIVE $PM_{2.5}$ EMISSIONS CALCULATIONS
200 TPH TS3600 MOBILE SCREEN

Fugitive Emission Point	Source	UnCon. EF (lb/T)	Contl'd EF (lb/T)	Annual Hours	Process Input/Output (T/hr)	Annual Throughput T/yr	Control Type	Controlled Emissions lb/hr[3]	Controlled Emissions T/yr[4]	Uncon. Emissions T/yr[4]
F1	Truck unload	n/d	n/d	8,760	200.0	1,752,000	n/a	0.00E+00	0.00	0.00
F2	Feeder to screen	n/d	1.30E-05	8,760	200.0	1,752,000	water	2.60E-03	0.01	0.00
F3	Screen	n/d	5.00E-05	8,760	200.0	1,752,000	water	1.00E-02	0.04	0.00
F4	Screen to stacker #1	n/d	1.30E-05	8,760	200.0	1,752,000	water	2.60E-03	0.01	0.00
F5	Stacker to stockpile	n/d	5.00E-05	8,760	200.0	1,752,000	water	1.00E-02	0.04	0.00
F6	Screen to stacker #2	n/d	1.30E-05	8,760	200.0	1,752,000	water	2.60E-03	0.01	0.00
F7	Stacker to stockpile	n/d	1.30E-05	8,760	200.0	1,752,000	water	2.60E-03	0.01	0.00
F8	Screen to stacker #2	n/d	1.30E-05	8,760	200.0	1,752,000	water	2.60E-03	0.01	0.00
F9	Stacker to stockpile	n/d	1.30E-05	8,760	200.0	1,752,000	water	2.60E-03	0.01	0.00
						Total:		**0.04**	**0.16**	**0.00**

Notes: Reference: AP-42, Table 11.19.2-2 (8/04)

FUGITIVE PARTICULATE MATTER
EMISSIONS CALCULATIONS
TS3600 SCREEN STOCKPILE

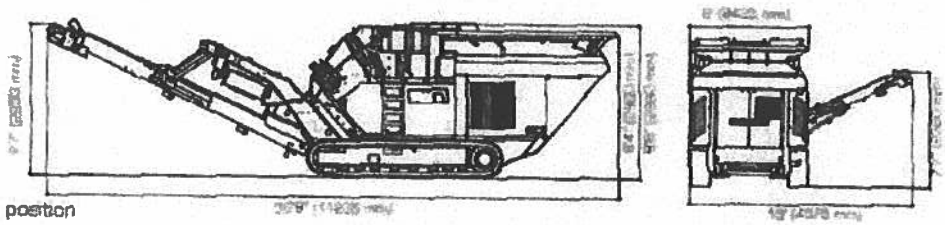
Storage Pile	Production (TPY)	TSP		PM_{10}		$PM_{2.5}$	
		EF (lb/T)[1]	TPY	EF (lb/T)[2]	TPY	EF (lb/T)[3]	TPY[3]
All	1,752,000	7.13E-03	6.24	3.37E-03	2.95	1.06E-03	0.93
TOTAL:			6.24		2.95		0.93

Notes:

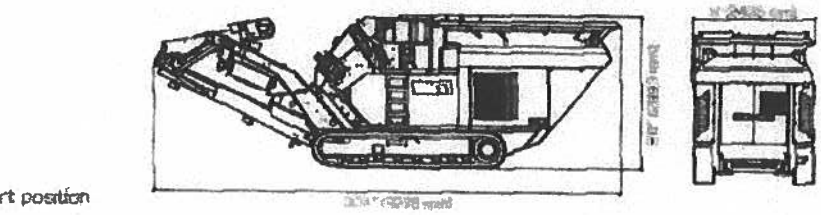
1. Based on U=15 mph, M=2.525%, k=0.74 (AP-42, Sec 13.2.4, Nov 06)
2. Based on U=15 mph, M=2.525%, k=0.35 (AP-42, Sec 13.2.4, Nov 06)
3. Based on U=15 mph, M=2.525%, k=0.11 (AP-42, Sec 13.2.4, Nov 06)

APPENDIX B

MANUFACTURER'S LITERATURE



Working position



Transport position

RM80 GO! – impact crusher with crawler gear

Throughput	Up to 180 t/h, depending on material
Feed size	Edge length max. 850 mm
Inlet opening	880 x 850 mm
Crusher unit	RUBBLE MASTER HMH impact crusher with 2 or 4 hammers
Operation	One operator using radio control for crushing and manoeuvring operations
Feed unit	Asymmetric 2,8 m^3 vibro-channel with two 3.1 kW vibrator motors Effective feed length and width: 2,980 x 1,890 mm Feed Control System for automatic conveying in line with crusher load Wear-resistant Hardox 400 cladding
Pre-screening	Efficient pre-screening using bar mesh screen Screen area 1,050 x 800 mm Output on main discharge conveyor via fully integrated bypass chute
Discharge belt crushed material	Folding conveyor 800 mm wide, folds into transport position hydraulically Discharge height 2,950 mm
Drive unit	John Deere Diesel engine, 6 cylinder 168 kW bei 1,800 rpm EU-RL2004/26 certified Asynchronous generator 40 kVA 400 V 230 V and 400 V outlets for external drives up to 15 kVA
Release System	Removes blockages inside crusher
Magnetic separator	Extra strong magnet with left/right function, belt width 800 mm
Transport system	Crawler gear
Weight	23,800 kg
Options	Dust supression using water spray inside crusher and at outlet Filling pump Discharge belt pre-screened material Hammer changing system Cable remote control Central lubrication system Blind plate

TS3600 MOBILE CRAWLER DUAL DECK SCREEN UNIT

Capacity:	up to 200 t/h	
Feeding size:	up to 250 mm	
Feeding material:	Rubble, natural stone, asphalt, concrete	
Transporting system:	hook lift system	
Feed hopper:	Volumes:	3.8 m³
	Tilting pre-screen:	separation at 100mm, hydraulic tilting mechanism with radio control
	Feed width:	3200 mm
	Feed height:	approx. 3000 mm
Screen box:	Screen length:	3000 mm
	Screen width	1250 mm
	Screen angle:	20° to 25°, hydraulically adjustable
	Design:	2 deck
Discharge belts:	Number:	3 for fine/medium/oversize grain, pivot hydraulically
	Length:	approx. 6500 mm
	Discharge height:	up to 4000 mm

Main Dimensions:

maximum transporting length (with 2 discharging belts oversize)	11.100 mm
maximum transporting height	3.400 mm
maximum width	2.550 mm
maximum working length	12.850 mm
maximum working height	3.600 mm
transporting weight	ca. 15.500 kg

Diesel engine:

Type	F4L 914 E
Manufacturer	Deutz
Cubic capacity	3236 cm³
No. of cylinders	4

From: James Morrow
To: Al Jerome Natac
Cc: J. W.
Subject: [EXTERNAL] 0889-01-N Concrete Washout Systems of Hawaii, Inc.
Date: Monday, September 22, 2025 1:35:32 PM

Hi AJ,

The MS80GO! screener mentioned in your email below is the onboard screen that is an integral part of the RM80GO! impact crusher that is the subject of the pending CSP application. In the spec sheet in Appendix B of the application it is described at "Pre-screening: Efficient pre-screening using the bar mesh screen."

Jim

_____
J. W. Morrow, DrPH
1481 South King St., Ste. 548
Honolulu, HI 96814
(808) 942-9096

From: Natac, Al Jerome <aljerome.natac@doh.hawaii.gov>
Date: Friday, September 19, 2025 at 11:12 AM
To: Greg gperrin@ascphi.com <gperrin@ascphi.net>
Cc: James Morrow <jwmorrow@att.net>
Subject: 0889-01-N Concrete Washout Systems of Hawaii, Inc
Date: Friday, September 19, 2025 at 11:12 AM
To: Greg gperrin@ascphi.com <gperrin@ascphi.net>
Cc: James Morrow <jwmorrow@att.net>
Subject: 0889-01-N Concrete Washout Systems of Hawaii, Inc

Aloha Mr. Perrin,

I hope all is well. We are reaching out regarding a recent visit to your facility. It was observed that a Rubble Master Model MS80GO! portable screener was operating with a crusher. Is this the built-in pre-screener in the Rubble Master MS80GO! crushing plant included in the pending temporary covered source permit? If this is a different screener, did you want to add it to the pending CSP?

The pending CSP includes a Rubble Master Model MS80GO! self-propelled crushing plant equipped with a pre-screener along with a separate Rubble Master Model TS 3600 screener. The existing noncovered source permit 0889-01-N only covers the 150 TPH Rebel Crusher.

Also, in regards to the Rebel Crusher under permit no. 0889-01-N, a statement is included in the pending CSP that **NSP 0889-01-N is closed upon the issuance date of the CSP**. The CAB was previously informed that Concrete Washout Systems of Hawaii plans to sell the equipment in NSP 0889-01-N. The issue was that the 200 TPH crusher is subject to subpart OOO and would trigger subpart OOO applicability for the 150 TPH crusher under the NSP.

Please verify the information above and let us know if you have any questions.

Thank you!

Kind Regards,

AJ Natac

Engineer | Clean Air Branch

Hawai'i State Department of Health | Ka 'Oihana Olakino

Hale Ola | 2827 Waimano Home Road, #130 | Pearl City, HI 96782

Office: (808) 586-4200

0889-02-CT Concrete Washout Systems of Hawaii, Inc
Initial Permit Application No. 0889-02

Info Request and Verification

Please confirm the following information and edit or provide responses as needed. Please respond to the e-mail for any questions or comments.

1. Please confirm the following general information from the application:

Application No.: Initial Permit Application No. 0889-02

Applicant: Concrete Washout Systems of Hawaii, Inc.

Facility: Self-propelled Crushing and Screening Plant

SIC Code: 1429 (Crushed and Broken Stone, Not Elsewhere Classified)

Location: Various Temporary Sites, State of Hawaii

Current Location: 86-70 Leihoku Street Waianae, Island of Oahu
UTM: 4Q, 584,789 m E; 2,370,573 m N (NAD-83)

Responsible Official: Mr. Gregory L. Perrin
President
(808) 479-1114

Contact Person:

Mr. J. W. Morrow
Consultant
(808) 942-9096
jwmorrow@att.net

Mr. Gregory L. Perrin
President
(808) 479-1114
gperrin@ascphi.com

Mailing Address: 1061 Mokulua Drive
Kailua, Hawaii 96734

2. Equipment List, please confirm or revise as needed:

200 TPH Mobile Crushing Plant	Make and Model No.	Serial No.
One (1) 200 TPH Self-propelled Crusher 2016 Mfg. (XX/XX) (track-mounted) with One (1) XXX HP Diesel Engine and attached conveyors and water sprays 225 HP DE	Rubble Master, Model RM80 GO! XXXX, Model XXXX **(Exempt)** John Deere	RM80-00-205 XXXX CDL6068L300003
200 TPH Mobile Crushing Plant	**Make and Model No.**	**Serial No.**

One (1) 200 TPH Self-propelled Screen 2008 Mfg. (XX/XX) (track-mounted) with One (1) XXX HP Diesel Engine and attached conveyors and water sprays 80.5 HP DE	Rubble Master, Model TS 3600 XXXX, Model XXXX **(Exempt)** Deutz Model F4L914E	TS3600-0024 XXXX see last photo

3. Please provide photos of the data plates for all equipment listed above and include manufacture dates.

4. Air Pollution Control: PM control is achieved by pre-wetting feed material and application of water sprays as needed. A water flow meter will be installed, operated and maintained to measure the flow rate in gallons per minute when the water spray systems are operated.

   (Please confirm that the crusher has a built-in pre-screener described in the spec sheet provided with the application. Also, please specify water spray locations in the crusher and screener and if a water truck will be utilized as needed for stockpiles, crushing area, and unpaved roads.)

   The crusher is equipped with a pre-screener. Water sprays are located in the crusher and at the outlet from the crusher. The screen is not equipped with water sprays. A water truck will be utilized as needed for stockpiles and in the operational area to control fugitive dust.


RM


Welcome! to our world
RM
COMPACT CRUSHING
MODEL
RM COMPACT CRUSHER
TYPE
RM 80GO!
SERIAL NO.
RM 80GO!-00.205
YEAR OF MANUFACTURE
2016
ENGINE PERFORMANCE
168 KW
WEIGHT
23.600 kg
CE
RUBBLE MASTER HMH GmbH
Im Südpark 196, 4030 Linz/Pichling, Austria
Tel.: +43 732 73 71 17 - 0, Fax: +43 732 73 71 17 - 101
E-Mail: sales@rubblemaster.com, www.rubblemaster.com
AUSTRIA
MADE IN AUSTRIA


JOHN DEERE
ECU Serial Number 606128
Engine Serial Number
CD6068L300003
ECU Part Number
L14 — RE531808
Part Number RE531015
Trim Opt
9499
(08/07/2015 10:29)
PERFORMANCE Part Number
R524199
Software assembly SW60106L
90-160471-02
© DEERE & COMPANY
42125
ASSEMBLED IN USA


TS 3600
RUBBLE MASTER
COMPACT-RECYCLER

RUBBLE MASTER®

COMPACT-RECYCLER

TYPE	TS3600
SERIEN NR	TS3600-0024
BAUJAHR	2008
TRANSPORTGEWICHT	15.500 kg

CE

HMH Engineering-Consulting-Trading GmbH
Im Südpark 196, 4030 Linz/Pichling, Austria
Tel 0043/732/737117, www.rubblemaster.com

MADE IN AUSTRIA

TS3600 MOBILE CRAWLER DUAL DECK SCREEN UNIT

Capacity:	up to 200 t/h	
Feeding size:	up to 250 mm	
Feeding material:	Rubble, natural stone, asphalt, concrete	
Transporting system:	hook lift system	
Feed hopper:	Volumes:	3.8 m³
	Tilting pre-screen:	separation at 100mm, hydraulic tilting mechanism with radio control
	Feed width:	3200 mm
	Feed height:	approx. 3000 mm
Screen box:	Screen length:	3000 mm
	Screen width	1250 mm
	Screen angle:	20° to 25°, hydraulically adjustable
	Design:	2 deck
Discharge belts:	Number:	3 for fine/medium/oversize grain, pivot hydraulically
	Length:	approx. 6500 mm
	Discharge height:	up to 4000 mm

Main Dimensions:

maximum transporting length (with 2 discharging belts oversize)	11.100 mm
maximum transporting height	3.400 mm
maximum width	2.550 mm
maximum working length	12.850 mm
maximum working height	3.600 mm
transporting weight	ca. 15.500 kg

Diesel engine:

Type	F4L 914 E
Manufacturer	Deutz
Cubic capacity	3236 cm³
No. of cylinders	4

DEUTZ DRIVE

AIR COOLED ENGINES

914 SERIES

57.0 – 129.0 kW at 2300 rpm

- **Compact air cooled** engines with integrated cooling system
- **4 and 6 cylinder naturally aspirated and turbo charged** engines in inline arrangement
- **Low maintenance costs** due to individual cylinder heads and no external cooling system

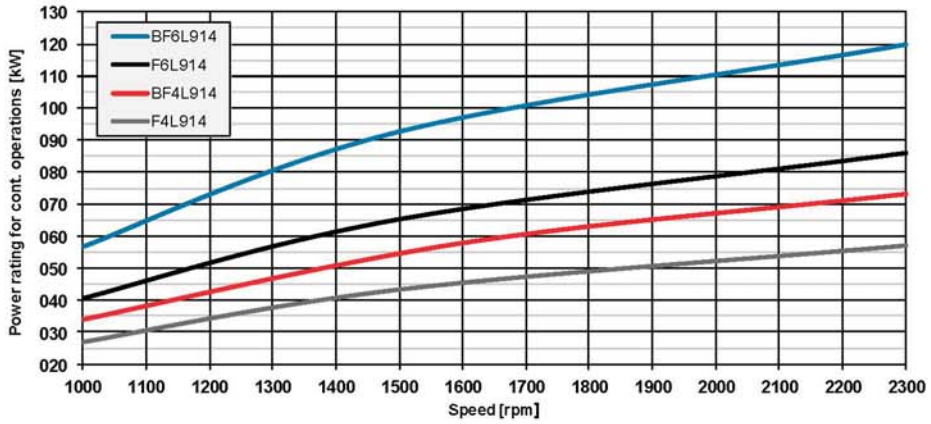
BF6L914 DEUTZ DRIVE Power Pack

ENGINE DATA

ENGINE	F4L914	BF4L914	F6L914	BF6L914
No. of cylinders	4	4	6	6
Power rating for interm. operations[1]	60.0 kW | 80.5 hp	73.0 kW | 97.9 hp	90.5 kW | 121.4 hp	129.0 kW | 173.0 hp
Power rating for cont. operations[2]	57.0 kW | 76.4 hp	78.0 kW | 104.6 hp	86.0 kW | 115.3 hp	120.0 kW | 160.9 hp
Max. nominal speed	2300 rpm	2300 rpm	2300 rpm	2300 rpm
Specific fuel consumption[3]	215 g/kWh	210 g/kWh	215 g/kWh	208 g/kWh
Adapter housing	SAE 3	SAE 3	SAE 3	SAE 3
Flywheel	SAE 8" / 10"	SAE 10" / 11.5"	SAE 10" / 11.5"	SAE 10" / 11.5"

1) For intermittent operations at max. nominal speed. According to ISO 3046-1 and without deduction of fan power
2) For continuous operations at max. nominal speed. According to ISO 3046-1 and without deduction of fan power
3) Best point consumption refers to diesel with a density of 0.835 kg/dm3 at 15°C

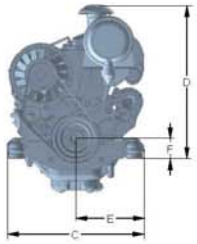
POWER CURVE

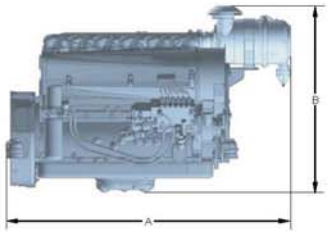


BASE ENGINE DIMENSIONS

ENGINE	F4L914	BF4L914[4]	F6L914	BF6L914[4]
A	1103 mm	910 mm	1443 mm	1319 mm
B	939 mm	838 mm	949 mm	875 mm
C	690 mm	690 mm	690 mm	708 mm
D	774 mm	673 mm	774 mm	694 mm
E	345 mm	345 mm	345 mm	345 mm
F	100 mm	100 mm	100 mm	100 mm

4) Dimensions without mounted air cleaner and silencers





The engine company.

DEUTZ®

This was the only tag on the screen engine.