ADMINISTRATIVE RECORD

Alpha, Inc.

Application No. 0899-02 for an Initial Permit

507 TPH Mobile Crusher

Located At: Various Temporary Sites, State of Hawaii

Temporary CSP No. 0899-01-CT

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Public Notice

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

(Docket No. 24-CA-PA-10)

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. 0899-01-CT
Application No. 0899-02 for an Initial Permit
Alpha, Inc.
507 TPH Mobile Crusher
Located At: Various Temporary Sites, State of Hawaii
Initial Location: Off Akahele Street, Lahaina, Island of Maui
UTM: 741,567 m E, 2,320,009 m N (NAD-83)

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

The issuance of Temporary CSP No. 0899-01-CT will grant conditional approval for the operation of a 507 TPH mobile crushing plant. Water suppression will be used as necessary to minimize fugitive emissions from stone processing operations. The crushing plant is subject to 40 Code of Federal Regulations (CFR), 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 locations:

OAHU:

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

MAUI:

Maui District Health Office, Department of Health
54 High Street, Room 300, Wailuku, Maui 96793

All comments on the draft permit and any request for a public hearing must be in writing, addressed to the Clean Air Branch at the above address and must be postmarked or received by **August 23, 2024**.

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 at a copying cost of five (5) cents per page. Please send written requests to the Clean Air Branch listed above or call Mr. Evan Fujimoto 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 24-XXXE CAB
RETURN RECEIPT REQUESTED File No. 0899
(XXXX XXXX XXXX XXXX XXXX)

DATE

Mr. Greg Sado
Chief Operations Officer
Alpha, Inc.
P.O. Box 330449
Kahului, Hawaii 96733

Dear Mr. Sado:

SUBJECT: Temporary Covered Source Permit (CSP) No. 0899-01-CT
Application No. 0899-02 for an Initial Permit
Alpha, Inc.
507 TPH Mobile Crusher
Located At: Various Temporary Sites, State of Hawaii
Initial Location: Off Akahele Street, Lahaina, Island of Maui
UTM: 741,567 m E, 2,320,009 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 November 30, 2023, and additional information received on July 3 and 5, 2024. A receipt for the application filing fee of $500.00 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 III:	Annual Fee Requirements
Attachment IV:	Annual Emissions Reporting Requirements

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

Annual Emissions Report Form: Crushing Plant
Compliance Certification Form
Change of Location Request for a Temporary Source
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. Evan Fujimoto of the Clean Air Branch at (808) 586-4200.

Sincerely,

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

EF:tkg

Enclosures

ATTACHMENT I: STANDARD CONDITIONS
TEMPORARY COVERED SOURCE PERMIT NO. 0899-01-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. 0899-01-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:

   a. 507 TPH Komatsu jaw crusher, Model No. BR550JG-1, Serial No. 1088 (track-mounted);
   b. Various Conveyors; and
   c. Water spray system.

   (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 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

   The permittee shall not cause to be discharged into the atmosphere from the 507 TPH crushing plant, fugitive emissions which exhibit greater than fifteen (15) percent opacity from the crusher and ten (10) percent opacity from any transfer point on the belt conveyors, or from any other affected facility.

   (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. Not including the Subpart OOO affected facilities of Attachment II, Special Condition No. C.1, the permittee shall not cause or permit visible fugitive dust emissions equal to or in excess of twenty (20) percent opacity for more than twenty-four (24) individual readings recorded during any one (1) hour period.
   c. 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, 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.
   d. Water spray systems shall be maintained and utilized, as necessary, during operation of the crushing 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.
   e. The crushing plant 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 systems shall be established during the performance test conducted pursuant to Attachment II, Section F, and may be incorporated into the permit.
   f. The water spray system 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.

g. 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 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. Location Change

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 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)

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 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

   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.

   (Auth.: HAR §11-60.1-3, §11-60.1-5, §11-60.1-90, §11-60.1-161; 40 CFR §11-60.674)[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 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 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, 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 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.

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

Within **sixty (60) days** after achieving the maximum production rate at which the 507 TPH crushing plant 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 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. 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 shall be conducted at the maximum expected operating capacity of the crushing plant. 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;
iii. The observer shall record the operating capacity (tons/hr) of the crushing plant at the time the observations were made; and
iv. The observer shall record the flow rate for the water spray system, in gal/min, servicing the plant.

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.

c. 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. All performance tests 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.

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.

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**.

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

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.

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.

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

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 III: ANNUAL FEE REQUIREMENTS
TEMPORARY COVERED SOURCE PERMIT NO. 0899-01-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. 0899-01-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 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.

ANNUAL EMISSIONS REPORT FORM
CRUSHING PLANT
TEMPORARY COVERED SOURCE PERMIT NO. 0899-01-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			
507 TPH Komatsu Jaw Crusher			
Conveyor Transfer			
Truck Loading			
Stockpiles			

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.

COMPLIANCE CERTIFICATION FORM
TEMPORARY COVERED SOURCE PERMIT NO. 0899-01-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. 0899-01-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. 0899-01-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

COMPLIANCE CERTIFICATION FORM
TEMPORARY COVERED SOURCE PERMIT NO. 0899-01-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. 0899-01-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 of 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:

   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 Hawaii Revised Statutes, 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. 0899-01-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 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: _____
      Horizontal Datum: _____
   d. Plant manager/contact: _____ Phone: _____
   e. Proposed start date at new location: _____
   f. Estimated project duration at new location: _____
   g. Identify other air pollution sources owned and operated by the permittee at the new location, if any: _____
   h. Brief description of the work to be performed: _____

CHANGE OF LOCATION REQUEST
FOR A TEMPORARY SOURCE
TEMPORARY COVERED SOURCE PERMIT NO. 0899-01-CT
(CONTINUED, PAGE 3 OF 3)

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

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

Distance	Identify if residence, school, business, etc.

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):_____

MONITORING REPORT FORM
OPACITY EXCEEDANCES
TEMPORARY COVERED SOURCE PERMIT NO. 0899-01-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. 0899-01-CT

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

The ***Visible Emissions (VE) 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 U.S. EPA. The 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 the crushing plant, 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.

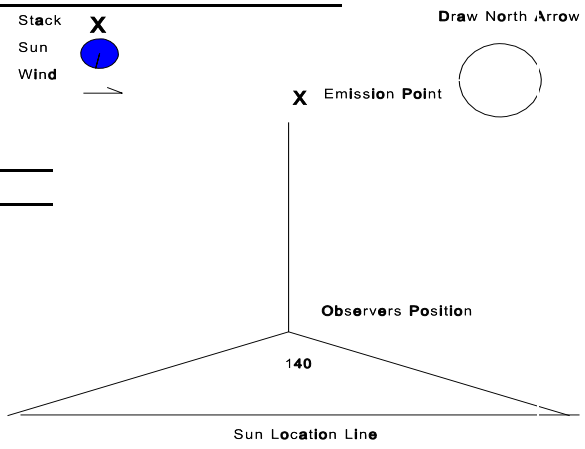
Any required initial and annual performance test performed in accordance with Method 9 by a certified reader shall satisfy the respective equipment's VE monitoring requirements for the month the performance test is performed.

VISIBLE EMISSIONS FORM
TEMPORARY COVERED SOURCE PERMIT NO. 0899-01-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

PERMIT APPLICATION REVIEW
TEMPORARY COVERED SOURCE PERMIT (CSP) No. 0899-01-CT

Application No.: Application No. 0899-02 for an Initial Permit

Organization: Alpha, Inc.

Facility: 507 TPH Mobile Crusher

Mailing Address: P.O. Box 330449
Kahului, Hawaii 96733

Location: Various Temporary Sites, State of Hawaii

Initial Location: Off Akahele Street, Lahaina, Island of Maui
UTM: 741,567 m E, 2,320,009 m N (NAD-83)

SIC Code: 1429 (Crushed and Broken Stone)

Responsible Official: Mr. Greg Sado
Chief Operations Officer
(808) 873-3883

Equipment:

Equipment	Make and Model No.	Serial No.
New: 507 TPH Mobile Jaw Crusher Note: The Komatsu, 306 HP diesel engine is exempt because it propels the tracks of the 507 TPH Crusher. (Hawaii Administrative Rules §11-60.1-82(d)(4))	Komatsu, BR550JG-1 Manuf. 2005	1088
Various Conveyors		
Water Spray System		

Background:

Alpha, Inc. submitted an application for an initial temporary CSP to operate a 507 TPH mobile jaw crusher powered by an exempt 306 HP Komatsu diesel engine. Operations consist of raw material, primarily consisting of rock and quarried stone being loaded into the crusher's vibrating hopper/jaw chamber by a front-end loader. After crushing is completed, material is discharged and conveyed to a storage pile. Crushed materials are used as fill onsite or loaded into trucks and hauled offsite.

Air Pollution Control:

Air pollution control on the crusher will be accomplished by built-in water sprays at the following points:

a. Crusher infeed; and
b. Transfer conveyor to stockpile.

Water sprays from a water truck will also be used to control fugitive dust from stockpiles, access roads, and facility grounds.

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
  - 11-60.1-37, Process Industries
- 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 has a manufacture date after August 31, 1983. The 507 TPH crusher has a manufacture date of 2005.

This source is not subject to 40 CFR Part 60, Subpart IIII – Standards of Performance for Stationary Compression Ignition Internal Combustion Engines, because the engine on the crusher propels the tracks of the equipment and is considered a nonroad engine as defined in 40 CFR §1068.30. Subpart IIII applies to stationary internal combustion engines that are not nonroad engines.

This source is not subject to 40 CFR Part 61, NESHAP, as no hazardous air pollutants are emitted at significant 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 engine propels the tracks on the crusher and is considered a nonroad engine as defined in 40 CFR §1068.30. Subpart ZZZZ applies to stationary internal combustion engines that are not nonroad engines.

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.

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 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 engine on the crusher is a nonroad mobile source. Emissions from nonroad mobile sources are either reported using the latest Environmental Protection Agency (EPA) developed mobile emissions models or by the state accepting existing EPA emission estimates. For this reason, emissions from the diesel engines are not included in the determination of whether this stationary source is subject to AERR.

Pollutant	Emissions Based on 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}	1.48	≥100 TPY
$PM_{2.5}$	0.30	≥100 TPY

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

CAB in-house annual emissions reporting is required for: 1) all facilities holding a 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.

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

A BACT analysis is required for new sources and significant 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. Fugitive emissions from the crusher, that are considered reasonably capturable, do not exceed significant levels.

Although not subject to a BACT analysis, emission controls required by the permit include the use of wet suppression, water hoses, water truck, etc., to minimize fugitive dust emissions from facility operations.

Insignificant Activities/Exemptions:

Diesel Engines
The 306 HP Komatsu diesel engine is exempt in accordance with HAR §11-60.1-82(d)(4) because the engine is used to propel the equipment.

Alternate Operating Scenarios:
None.

Project Emissions:

Emissions are conservatively based on the facility operating 8,760 hours per year.

507 TPH Jaw Crusher
The maximum capacity of the crusher is 507 TPH based on manufacturer's data submitted by the applicant. The emission factors for the rock crusher were taken from AP-42, Table 11.19.2-2 Emission Factors for Crushed Stone Processing Operations (8/04). For truck loading and unloading emission factors, approximately fifty-one (51) percent of particulate emissions are assumed to be PM_{10} and approximately fifteen (15) percent of particulate emissions are assumed to be $PM_{2.5}$, per AP-42 Appendix B.2 (1/95). The crusher is equipped with water spray bars to control particulate emissions.

507 TPH Crusher	
Pollutant	Emissions (TPY) (8,760 hr/yr)
PM	3.44
PM_{10}	1.48
$PM_{2.5}$	0.30

Storage Piles

Storage pile emissions were calculated for the crushing plant operating at maximum capacity for 8,760 hr/yr. Emissions from storage piles are based on emission factors from AP-42 Section 13.2.4 – Aggregate handling and Storage Piles. Water suppression provides a seventy (70) percent control efficiency.

Storage Piles	
Pollutant	Emissions (TPY) (8,760 hr/yr)
PM	18.89
PM_{10}	8.94
$PM_{2.5}$	1.35

Vehicle Travel on Unpaved Roads

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

Vehicle Travel on Unpaved Roads	
Pollutant	Emissions (TPY) (8,760 hr/yr)
PM	42.51
PM_{10}	10.37
$PM_{2.5}$	1.07

Total Emissions

A summary of the facility's maximum potential emissions are shown in the table below. The table includes all fugitive emissions, capturable and non-capturable.

Total Emissions (8,760 hr/yr) (TPY)				
Pollutant	507 TPH Crusher	Storage Piles	Unpaved Roads	Total Facility
PM	3.44	18.89	42.51	64.84
PM_{10}	1.48	8.94	10.37	20.79

$PM_{2.5}$	0.30	1.35	1.07	2.72

A summary of the facility's maximum potential capturable emissions (the crusher) is as follows:

Pollutant	Emissions Based on 8,760 hrs/yr (tons/yr)	Major Source Trigger (tons/yr)
PM	3.44	None
PM_{10}	1.48	100
$PM_{2.5}$	0.30	100

Synthetic Minor Source

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 from permitted equipment (including only potentially capturable emission sources) do not exceed the major source thresholds when the facility is operated at its maximum capacity continuously for 8,760 hours per year.

Ambient Air Quality Assessment:

An ambient air quality assessment is not required for this facility.

The diesel engine on the crushing plant is considered a nonroad mobile source and is not subject to an air quality modeling assessment. The only other emissions from the source are fugitive emissions that are not generally modeled by the Clean Air Branch.

Significant Permit Conditions:

1. Fugitive Emission Limits

   The permittee shall not cause to be discharged into the atmosphere from the 507 TPH crushing plant, fugitive emissions which exhibit greater than fifteen (15) percent opacity from the crusher and ten (10) percent opacity from any transfer point on the belt conveyors, or from any other affected facility.

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

2. Fugitive Dust

   Not including the Subpart OOO affected facilities of Attachment II, Special Condition No. C.1, the permittee shall not cause or permit visible fugitive dust emissions equal to or in excess of twenty (20) percent opacity for more than twenty-four (24) individual readings recorded during any one-hour period.

   Reason: Newly added fugitive dust requirement under HAR §11-60.1-33(c)

Conclusion and Recommendations:

Potential emissions were conservatively based on operation of the equipment at maximum capacity for 8,760 hours per year. Actual operating hours and emissions should be less than those calculated. The equipment, if operated in accordance with the permit, shows compliance with air regulations. 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 EPA review period.

Evan Fujimoto
January 19, 2024

Application
and
Supporting Information


Ala Hoku Pl
Hine Way
Lower Honoapiilani Rd
Puahanui Way
Piina Pl
N Paua Way
Lower Honoapiilani Rd
Akahele St
Nia Pl
Mahinahina St
Haliu St
02
West
irport
Kapalua Airport
Kapalua West Maui Airport
2

From: Andrew Kutaka
To: Fujimoto, Evan
Cc: Lopez, Catherine; Michael Jensen
Subject: [EXTERNAL] RE: Application 0899-02 - Alpha Inc.
Date: Friday, July 5, 2024 9:43:03 AM
Attachments: pulelehua.png

HI Evan,

Attached is a map. The blue line represents where we currently have dust screens on the project. Please let me know if you have any other questions.

Mahalo,
Andrew Kutaka
Logistics Specialist
Alpha Inc.
P.O. Box 330449 | Kahului, HI 96733
O: 808.873.3883 | C: 808.303.5640
LIC #ABC-31555

From: Andrew Kutaka
Sent: Wednesday, July 3, 2024 12:25 PM
To: Fujimoto, Evan <evan.fujimoto@doh.hawaii.gov>
Cc: Lopez, Catherine <catherine.lopez@doh.hawaii.gov>; Michael Jensen <MichaelJ@alphahawaii.com>
Subject: RE: Application 0899-02 - Alpha Inc.

Thanks Evan! I will work on the response or comments on the draft permit and will get back to you as soon as possible.

Mahalo,
Andrew Kutaka
Logistics Specialist
Alpha Inc.
P.O. Box 330449 | Kahului, HI 96733
O: 808.873.3883 | C: 808.303.5640
LIC #ABC-31555

From: Fujimoto, Evan <evan.fujimoto@doh.hawaii.gov>
Sent: Wednesday, July 3, 2024 12:20 PM
To: Andrew Kutaka <andrewk@alphahawaii.com>; Stephanie Barrie <sbarrie@alphahawaii.com>
Cc: Lopez, Catherine <catherine.lopez@doh.hawaii.gov>
Subject: RE: Application 0899-02 - Alpha Inc.

Aloha Andrew,

Glad to hear back from Alpha and I'd be happy to get you up to speed on where we currently are in the permit process. In my previous correspondence with Stephanie, we were concerned with the proximity of the crusher to the temporary school in Lahaina and were waiting to receive more information on the site boundary for the next phase of the project and the UTM coordinates of where you plan to operate the crusher. We received the map and proposed location today from Michael and will review the proposed location in the site map presented while Michael provides the locations for the dust screens in place at the site. As I indicated in my reply to Michael, we were also waiting for a response or comments on the draft permit (See attached). Once we receive your comments we will be able to send the draft permit to EPA for their 45-day review which will start at the same time as the 30-day public comment period. After we address any of the comments, we should be able to issue the permit. Feel free to let me know if you have any other questions.

Thank you,
Evan Fujimoto
Environmental Engineer | Clean Air Branch
Hawai'i State Department of Health | Ka 'Oihana Olakino
2827 Waimano Home Road, #130 | Pearl City, HI 96782
Office: (808) 586-4200

From: Andrew Kutaka <andrewk@alphahawaii.com>
Sent: Wednesday, July 3, 2024 11:15 AM
To: Stephanie Barrie <sbarrie@alphahawaii.com>; Fujimoto, Evan <evan.fujimoto@doh.hawaii.gov>
Cc: Lopez, Catherine <catherine.lopez@doh.hawaii.gov>
Subject: [EXTERNAL] RE: Application 0899-02 - Alpha Inc.

HI Evan,

Just wanted to follow up here. Steph is no longer at Alpha. Can you please provide an update on our application?

Mahalo,
Andrew Kutaka
Logistics Specialist
Alpha Inc.
P.O. Box 330449 | Kahului, HI 96733
O: 808.873.3883 | C: 808.303.5640
LIC #ABC-31555

From: Stephanie Barrie <sbarrie@alphahawaii.com>
Sent: Wednesday, May 15, 2024 9:55 AM
To: Fujimoto, Evan <evan.fujimoto@doh.hawaii.gov>
Cc: Lopez, Catherine <catherine.lopez@doh.hawaii.gov>; Andrew Kutaka <andrewk@alphahawaii.com>; Michael Jensen <MichaelJ@alphahawaii.com>
Subject: RE: Application 0899-02 - Alpha Inc.

Hi Evan,

I just wanted to circle back because I will be leaving Alpha at the end of this month. I wanted to loop in our Equipment Manage Michael Jensen who is taking over and our Logistics Specialist Andre Kutaka who has been assisting with some equipment things. Our Project Manager Bob is working on the map for us so we can get that sent over to you folks as well.

Feel free to reach out with any questions, thank you.

Mahalo,
Stephanie Barrie
Assistant Equipment Manager
Alpha Inc.
P.O. Box 330449 | Kahului, HI 96733
O: 808.873.3883 | C: 808.446.0833
LIC #ABC-31555

From: Stephanie Barrie
Sent: Friday, April 19, 2024 11:13 AM
To: 'Fujimoto, Evan' <evan.fujimoto@doh.hawaii.gov>
Cc: Lopez, Catherine <catherine.lopez@doh.hawaii.gov>
Subject: RE: Application 0899-02 - Alpha Inc.

Thank you, Evan. Let me inquire with Greg and get back to you folks.

Mahalo,
Stephanie Barrie
Assistant Equipment Manager
Alpha Inc.
P.O. Box 330449 | Kahului, HI 96733
O: 808.873.3883 | C: 808.446.0833
LIC #ABC-31555

From: Fujimoto, Evan <evan.fujimoto@doh.hawaii.gov>
Sent: Monday, April 15, 2024 10:09 AM
To: Stephanie Barrie <sbarrie@alphahawaii.com>
Cc: Lopez, Catherine <catherine.lopez@doh.hawaii.gov>
Subject: RE: Application 0899-02 - Alpha Inc.

Hi Stphanie,

Thank you for the reply and information. Would you mind sending me a map outlining the site boundary for the next phase of the project and the UTM coordinates of where you plan to operate the crusher on the site that is further away from the temporary school in Lahaina?

Thank you,
Evan Fujimoto
Environmental Engineer | Clean Air Branch
Hawai'i State Department of Health | Ka 'Oihana Olakino
2827 Waimano Home Road, #130 | Pearl City, HI 96782
Office: (808) 586-4200

From: Stephanie Barrie <sbarrie@alphahawaii.com>
Sent: Wednesday, April 10, 2024 12:00 PM
To: Fujimoto, Evan <evan.fujimoto@doh.hawaii.gov>
Cc: Lopez, Catherine <catherine.lopez@doh.hawaii.gov>
Subject: [EXTERNAL] RE: Application 0899-02 - Alpha Inc.

Aloha,
Please see our reply to the below:
We can relocate the crusher anywhere onsite that's not an issue. We are pretty much finished with this first phase but will need to crush for the next phase again. This project is private and not run by the state. Our crusher has water sprinklers on it as well as we utilize dust screen and multiple water trucks on the project. We also have utilized soil tac to help as well. This next phase will be mainly utility work and crushing aggregate for the utilities all the mass ex grading work has been completed for this first phase so there should not be any dust issues.

Mahalo,
Stephanie Barrie
Assistant Equipment Manager
Alpha Inc.
P.O. Box 330449 | Kahului, HI 96733
O: 808.873.3883 | C: 808.446.0833
LIC #ABC-31555

From: Fujimoto, Evan <evan.fujimoto@doh.hawaii.gov>
Sent: Thursday, March 28, 2024 12:10 PM
To: Stephanie Barrie <sbarrie@alphahawaii.com>
Cc: Lopez, Catherine <catherine.lopez@doh.hawaii.gov>

Subject: Application 0899-02 - Alpha Inc.

> You don't often get email from evan.fujimoto@doh.hawaii.gov. Learn why this is important

Hi Stephanie,

Just wanted to let you know that I will be out of the office from April 1 – 12 2024 and will be back in the office on April 15, 2024. While I am out, please direct your responses to our previous emails to my supervisor Cathy Lopez. I have copied Cathy on this email chain.

Thank you,
Evan Fujimoto
Environmental Engineer | Clean Air Branch
Hawai'i State Department of Health | Ka 'Oihana Olakino
2827 Waimano Home Road, #130 | Pearl City, HI 96782
Office: (808) 586-4200

From: Fujimoto, Evan
Sent: Monday, March 25, 2024 10:42 AM
To: 'Stephanie Barrie' <sbarrie@alphahawaii.com>
Subject: RE: Application 0899-01 - Alpha Inc.

Hi Stephanie,

I hadn't received any comments or questions from you regarding the draft permit, however I wanted to quickly follow up to see if you had any comments on the draft permit prior to sending to EPA for review. Our EPA contact mentioned that they will try to expedite the review once it is submitted, however they could not give an exact date on how much sooner it would be processed.

Additionally, I was hoping to get a bit more information on the proposed location that the crusher will be operating. It has come to our attention that the new temporary school in Lahaina is having dust issues and we have been receiving complaints about the work across the street, where it seems the crusher will be operating. Due to the nature of the job and the school being downwind from the site, would it be possible to have the crusher operate on the opposite end of the construction site? Can you also advise on the control measures that you are planning to have in place to minimize fugitive dust? Also I was hoping to find out if this project is being run by the State? If so I may be able to reach out to them as well to assist in the dust control measures.

Thank you,
Evan Fujimoto
Environmental Engineer | Clean Air Branch
Hawai'i State Department of Health | Ka 'Oihana Olakino
2827 Waimano Home Road, #130 | Pearl City, HI 96782
Office: (808) 586-4200

From: Fujimoto, Evan
Sent: Wednesday, March 13, 2024 2:34 PM
To: Stephanie Barrie <sbarrie@alphahawaii.com>
Subject: RE: Application 0899-01 - Alpha Inc.

Hi Stephanie,

Thank you for the confirmation of the equipment. Please see the attached draft permit for your review prior to sending to EPA for review. If you could please let me know if you have any questions or comments by EOD March 20, 2024, I would greatly appreciate it.

The EPA review period is 45 days which will start at the same time as the 30 day public comment period. I will send an email to EPA asking if it is possible to expedite their review sooner then the allotted 45 day period and will get back to you on their reply.

Thank you,
Evan Fujimoto
Environmental Engineer | Clean Air Branch
Hawai'i State Department of Health | Ka 'Oihana Olakino
2827 Waimano Home Road, #130 | Pearl City, HI 96782
Office: (808) 586-4200

From: Stephanie Barrie <sbarrie@alphahawaii.com>
Sent: Tuesday, March 12, 2024 12:52 PM
To: Fujimoto, Evan <evan.fujimoto@doh.hawaii.gov>
Subject: [EXTERNAL] RE: Application 0899-01 - Alpha Inc.

Also – do you know by chance how long the EPA review takes?

The ECC would like to use this crusher on site for the fire relief that they are doing, and

wondering if there is anything we could do to expedite the process. We can even get a letter from the main contractor for the Army Corp. if need be.

Mahalo,
Stephanie Barrie
Assistant Equipment Manager
Alpha Inc.
P.O. Box 330449 | Kahului, HI 96733
O: 808.873.3883 | C: 808.446.0833
LIC #ABC-31555

From: Stephanie Barrie
Sent: Tuesday, March 12, 2024 12:24 PM
To: Fujimoto, Evan <evan.fujimoto@doh.hawaii.gov>
Subject: RE: Application 0899-01 - Alpha Inc.

Hi Evan,
Thank you for the update! Ted is no longer with Alpha so no need to include him on the emails back and forth.

However – I am confirming that the 507 TPH Crusher does not have a built in screen or screening attachment.

Please let me know if you have any other questions!

Mahalo,
Stephanie Barrie
Assistant Equipment Manager
Alpha Inc.
P.O. Box 330449 | Kahului, HI 96733
O: 808.873.3883 | C: 808.446.0833
LIC #ABC-31555

From: Fujimoto, Evan <evan.fujimoto@doh.hawaii.gov>
Sent: Tuesday, March 12, 2024 11:33 AM
To: Stephanie Barrie <sbarrie@alphahawaii.com>
Cc: Theodore Miller <tmiller@alphahawaii.com>
Subject: RE: Application 0899-01 - Alpha Inc.

Hi Stephanie,

I am in the final review of your draft permit with my supervisor and will have a draft for you this week to review prior to going to EPA for review. My supervisor had one comment on the crusher which I was hoping you could please clarify. Can you please confirm that the 507 TPH

Komatsu crusher does not have a built in screen or screening attachment on it?

Thank you,
Evan Fujimoto
Environmental Engineer | Clean Air Branch
Hawai'i State Department of Health | Ka 'Oihana Olakino
2827 Waimano Home Road, #130 | Pearl City, HI 96782
Office: (808) 586-4200

From: Stephanie Barrie <sbarrie@alphahawaii.com>
Sent: Tuesday, January 23, 2024 8:49 AM
To: Fujimoto, Evan <evan.fujimoto@doh.hawaii.gov>
Cc: Theodore Miller <tmiller@alphahawaii.com>
Subject: [EXTERNAL] RE: Application 0899-01 - Alpha Inc.

Thank you Evan. Please let me know if you need anything else.

Mahalo,
Stephanie Barrie
Logistics Specialist
Alpha Inc.
P.O. Box 330449 | Kahului, HI 96733
O: 808.873.3883 | C: 808.446.0833
LIC #ABC-31555

From: Fujimoto, Evan <evan.fujimoto@doh.hawaii.gov>
Sent: Tuesday, January 23, 2024 7:42 AM
To: Stephanie Barrie <sbarrie@alphahawaii.com>
Subject: RE: Application 0899-01 - Alpha Inc.

Hi Stephanie,

Thanks so much for the confirmation.

Thank you,
Evan

From: Stephanie Barrie <sbarrie@alphahawaii.com>
Sent: Monday, January 22, 2024 8:27 PM

To: Fujimoto, Evan <evan.fujimoto@doh.hawaii.gov>
Cc: Theodore Miller <tmiller@alphahawaii.com>
Subject: [EXTERNAL] RE: Application 0899-01 - Alpha Inc.

Aloha Evan,
Please note that the 507 TPH Komatsu and 306 HP DE is the ONLY equipment. Thank you.

Mahalo,
Stephanie Barrie
Logistics Specialist
Alpha Inc.
P.O. Box 330449 | Kahului, HI 96733
O: 808.873.3883 | C: 808.446.0833
LIC #ABC-31555

From: Fujimoto, Evan <evan.fujimoto@doh.hawaii.gov>
Sent: Thursday, January 18, 2024 9:49:14 AM
To: Theodore Miller <tmiller@alphahawaii.com>
Subject: RE: Application 0899-01 - Alpha Inc.

Hi Ted,

On your submitted permit application you noted in your S-1 form that the equipment to be permitted is the 507 TPH Komatsu crusher and the 306 HP DE on the unit, however throughout the application you note several other pieces of equipment including a 400 TPH Screen, 386 TPH Portable Cone crusher with a diesel engine and a 500 TPH 3-deck screen. Can you please confirm that the only piece of equipment to be listed on the permit is the 507 TPH Komatsu and 306 HP DE? If you would like other equipment listed on the permit, can you please provide the make, manufacturer, model and serial numbers for the additional equipment, as well as the associated manufacturer's and emissions data on the additional equipment.

Thank you,
Evan

From: Theodore Miller <tmiller@alphahawaii.com>
Sent: Tuesday, November 21, 2023 9:25 AM
To: Fujimoto, Evan <evan.fujimoto@doh.hawaii.gov>
Subject: [EXTERNAL] Re: Application 0899-01 - Alpha Inc.

Thank you

Ted Miller

Equipment Manager
Alpha Inc.
P.O. Box 330449 | Kahului, HI 96733
O: 808.873.3883 | C: 808.463.6300
LIC #ABC-31555

From: Fujimoto, Evan <evan.fujimoto@doh.hawaii.gov>
Sent: Tuesday, November 21, 2023 9:24:21 AM
To: Theodore Miller <tmiller@alphahawaii.com>
Subject: FW: Application 0899-01 - Alpha Inc.

Hi Ted,

Please see below for our office address:

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

Thank you,
Evan

From: Theodore Miller <tmiller@alphahawaii.com>
Sent: Tuesday, August 15, 2023 2:38 PM
To: Fujimoto, Evan <evan.fujimoto@doh.hawaii.gov>
Subject: [EXTERNAL] Re: Application 0899-01 - Alpha Inc.

Will do asap. Thank you.

Thank you,

Ted Miller
Equipment Manager
Alpha Inc.
P.O. Box 330449 | Kahului, HI 96733
O: 808.873.3883 | C: 808.463.6300
LIC #ABC-31555

From: "Fujimoto, Evan" <evan.fujimoto@doh.hawaii.gov>
Date: Tuesday, August 15, 2023 at 1:39 PM
To: Theodore Miller <tmiller@alphahawaii.com>
Subject: RE: Application 0899-01 - Alpha Inc.

Hi Ted,

Couple of comments on the documents:

1. Please fill out the emissions units table on the S-1 Form for your equipment;
2. Please mail your revised signed application documents to our office address (listed below for you convenience) included with your application fee.

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

Please let me know if you have any questions.

Thank you,
Evan

From: Theodore Miller <tmiller@alphahawaii.com>
Sent: Tuesday, August 15, 2023 12:23 PM
To: Fujimoto, Evan <evan.fujimoto@doh.hawaii.gov>
Subject: [EXTERNAL] Re: Application 0899-01 - Alpha Inc.

Aloha Evan,
Please see attached updated and signed forms S-1, C-1 and C-2.

Let us know if there is anything else we need to update. We appreciate your time and attention to this application.

Thank you,

Ted Miller
Equipment Manager
Alpha Inc.
P.O. Box 330449 | Kahului, HI 96733
O: 808.873.3883 | C: 808.463.6300
LIC #ABC-31555

From: "Fujimoto, Evan" <evan.fujimoto@doh.hawaii.gov>
Date: Thursday, August 3, 2023 at 11:32 AM
To: Theodore Miller <tmiller@alphahawaii.com>
Subject: Application 0899-01 - Alpha Inc.

Good Morning Mr. Miller,

Thanks for taking the time to speak with me this morning. Per our conversation, please resubmit your signed S-1, C-1, and C-2 application forms as a Temporary Covered Source Permit application as well as the associated application fee. As requested, I will mail the previously submitted check back to you. Please feel free to let me know if you have any questions.

Thank you,
Evan Fujimoto
DOH – Clean Air Branch
808-586-4200

NOV 30 2023
CAB MR

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: Alpha Inc.
2. Facility Name (if different from the Company): West Maui Concrete Crusher (Figure 1.)
3. Mailing Address: P.O. Box 330449
   City: Kahului State: HI Zip Code: 96733
   Phone Number: (808) 873-3883
4. Name of Owner/Owner's Agent: Greg Sado
   Title: Chief Operations Officer Phone: (808) 873-3883
   Mailing Address: P.O Box 330449
   City: Kahului State: HI Zip Code: 96733
5. Plant Site Manager/Other Contact: Theodore Miller
   Title: Equipment Manager Phone: (808) 873-3883
   Mailing Address: P.O Box 330449
   City: Kahului State: HI Zip Code: 96733
6. Permit Application Basis: (Check all applicable categories.)
   - [X] Initial Permit for a New Source
   - [ ] Initial Permit for an Existing Source
   - [ ] Renewal of Existing Permit
   - [ ] General Permit
   - [X] 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 [X] No
9. Type of Source (Check One): [X] Covered Source [ ] Covered and PSD Source [ ] Noncovered Source [ ] Uncertain
10. Standard Industrial Classification Code (SICC), if known: 3532

P

MD2019E

11. Proposed Equipment/Plant Location (e.g. street address): site does not have a physical address

City: Kapalua State: HI Zip Code: 96761

UTM Coordinates (meters): East: 741337 M North: 2319734 M

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

12. General Nature of Business: Civil Construction - Including Concrete Crushing

13. Date of Planned Commencement of Construction or Modification: TBD

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): Sado (First): Greg (MI): I

Title: Chief Operations Officer Phone: (808) 873-3883

Mailing Address: P.O. Box 330449

City: Kahului State: HI Zip Code: 96733

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): Greg Sado

(Signature): _____ Date: 8/15/2023

FOR AGENCY USE ONLY:

File/Application No.: _____

Island: _____

Date Received: _____

Submit the following documents as part of your application:

A. The ***Emissions Units Table***, filled in as completely as possible. Use separate sheets of paper as needed. General instructions include the following:

1. Identify each **emission point** with a unique number for this plant site, consistent with emission point identification used on the location drawing and previous permits; if known, provide the SICC number. Emission points shall be identified and described in sufficient detail to establish the basis for **fees** and applicability of requirement of HAR, Chapter 11-60.1. Examples of emission point names are: heater, vent, boiler, tank, baghouse, fugitive, etc. Abbreviations may be used.
   a. For each emission point use as many lines as necessary to list regulated and hazardous air pollutant data. For hazardous air pollutants, also list the Chemical Abstracts Service number (CAS#).
   b. Indicate the emission points that discharge together for any length of time.
   c. The **Equipment Date** is the date of equipment construction, reconstruction, or modification. Provide supporting documentation.

2. State the **maximum emission rates** in terms sufficient to establish compliance with the applicable requirements and standard reference test methods. Provide all supporting emission calculations and assumptions:
   a. Include all regulated and hazardous air pollutants and air pollutants for which the source is major, as defined in HAR §11-60.1-1. Examples of regulated pollutant names are: Carbon Monoxide (CO), Nitrogen Oxides (NO_X), Sulfur Dioxide (SO_2), Volatile Organic Compounds (VOC), particulate matter (PM), and particulate less than 10 microns (PM_{10}). Abbreviations may be used.
   b. Include fugitive emissions.
   c. **Pounds per hour (#/HR)** is the maximum potential emission rate expected by applicant.
   d. **Tons per year** is the annual maximum potential emissions expected by the applicant, taking into account the typical operating schedule.

3. Describe ***Stack Source Parameters***:
   a. **Stack Height** is the height above the ground.
   b. **Direction** refers to the exit direction of stack emissions: up, down or horizontal.
   c. **Flow Rate** is the actual, not the calculated, flow rate.

4. Provide any additional information, if applicable, as follows:
   a. If combinations of different fuels are used that cause any of the stack source parameters to differ, complete one row for each possible set of stack parameters and identify each fuel in the **Equipment Description**.
   b. For a rectangular stack, indicate the length and width.
   c. Provide any information on stack parameters or any stack height limitations developed pursuant to Section 123 of the Clean Air Act.

B. A **process flow diagram** identifying all equipment used in the process, including the following:
   1. Identify and describe each emission point.
   2. Identify the locations of safety valves, bypasses, and other such devices which when activated may release air pollutants to the atmosphere.

C. A **facility location map**, drawn to a reasonable scale and showing the following:
   1. The property involved and all structures on it. Identify property/fence lines plainly.
   2. Layout of the facility.
   3. Location and identification of the proposed emissions unit on the property.
   4. Location of the property and equipment with respect to streets and all adjacent property. Show the location of all structures within 100 meters of the applicant's emissions unit. Provide the building dimensions (height, length, and width) of all structures that have heights greater than 40% of the stack height of the emissions unit.

D. Provide a description of any proposed modifications or permit revisions. Include any justification or supporting information for the proposed modifications or permit revisions.

Company Name: Alpha Inc.

Location: Kapalua, HI

File No.: _____

(Make as many copies of this page as necessary)

Page 1 of 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]: ____		STACK SOURCE PARAMETERS						
Stack No.	Unit No.	Equipment Name/ Description & SICC number	Equipment Date	Regulated/ Hazardous Air Pollutant Name & CAS#	#/ HR	Tons/ YR	Coordinates (mtrs)		Stack Height (mtrs)	Direction (u/d/h) [b]	Inside Diameter (mtrs)	Velocity (m/s)	Flow Rate (m^3/s)	Temp. (° K)	Capped (Y/N)
N/A	MC-001	Komatsu DE	2004	NO2	6.86	6.86	East	156°40'44.1" W	3.46	Up	0.2	10.3	0.32	477.4	N
							North	20°57'44.6" N							
N/A	MC-001	Komatsu DE	2004	CO	1.48	1.48	East	156°40'44.1" W	3.46	Up	0.2	10.3	0.32	477.4	N
							North	20°57'44.6" N							
N/A	MC-001	Komatsu DE	2004	PM	0.482	0.482	East	156°40'44.1" W	3.46	Up	0.2	10.3	0.32	477.4	N
							North	20°57'44.6" N							
N/A	MC-001	Komatsu DE	2004	VOC	0.560	0.560	East	156°40'44.1" W	3.46	Up	0.2	10.3	0.32	477.4	N
							North	20°57'44.6" N							
N/A	MC-001	Komatsu DE	2004	SOx	0.451	0.451	East	156°40'44.1" W	3.46	Up	0.2	10.3	0.32	477.4	N
							North	20°57'44.6" N							
N/A	MC-002	Crushing	2023	PM-10	0.75	0.75	East	156°40'44.1" W	N/A	N/A	N/A	N/A	N/A	N/A	N/A
							North	20°57'44.6" N							
N/A	MC-003	Storage Piles	2023	PM-10	0.106	0.106	East	156°40'44.1" W	N/A	N/A	N/A	N/A	N/A	N/A	N/A
							North	20°57'44.6" N							
							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 = downward, or h = horizontal

File No.: _____

S-4: Application for a Temporary Covered Source Permit

In providing the required information, reference the corresponding letters and numbers listed below.

Provide a minimum of **two (2)** sets (1 original and 1 copy) of all application materials to the Hawaii Department of Health. Also, mail **one (1)** set directly to EPA at the following address:

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

I. In accordance with Hawaii Administrative Rules (HAR) §11-60.1-83, the following information is required:

A. Equipment Specifications:
   1. Maximum design capacity.
   2. Fuel type.
   3. Fuel use.
   4. Production capacity.
   5. Production rates.
   6. Raw materials.
   7. Provide any manufacturer's literature.

B. Provide detailed descriptions of all processes and products defined by Standard Industrial Classification Code (SICC). Also, provide any reasonably anticipated alternative operating scenarios, associated processes, and products, by SICC.
   1. Identify and describe in detail all air pollution control equipment and compliance monitoring devices or activities planned by the owner or operator, and to the extent of available information, an estimate of emissions before and after controls. Provide all calculations and assumptions.
   2. List all ***insignificant*** activities in accordance with HAR §11-60.1-82.

C. Maximum Operating Schedule (to the extent needed to determine or regulate emissions):
   1. Total hours per day, per week, and/or per month.
   2. Total hours per year.
   3. If operation is seasonal or irregular, describe.

D. Cite and describe all ***applicable requirements*** as defined in HAR §11-60.1-81, including the following:
   1. Description of or reference to any applicable test methods for determining compliance with each applicable requirement.
   2. Explanation of all proposed exemptions from any applicable requirements.

E. Identify and describe current operational limitations or work practices, or for covered sources that have not yet begun operation, such limitations or practices which the owner or operator of the source plans to implement that affect emissions of any regulated or hazardous air pollutant. Provide all calculations and assumptions.

F. Provide a detailed schedule for construction or modification of the proposed source, including any major milestones, if applicable.

G. For ***new*** covered sources and ***significant*** modifications which increase the emissions of any air pollutant or result in the emission of any air pollutant not previously emitted, an assessment of the ambient air quality impact of the covered source or significant modification, with the inclusion of any available background air quality data. The assessment shall include all supporting data, calculations and assumptions, and a comparison with the NAAQS and SAAQS.

H. For ***new*** covered sources and ***significant*** modifications subject to the requirements of subchapter 7 of HAR Chapter 11-60.1, all analyses, assessments, monitoring, and other application requirements of subchapter 7.

I. Provide detailed information to define permit terms and conditions for any proposed ***emissions trading*** within the facility in accordance with HAR §11-60.1-96.

J. Provide the following for Compliance purposes:
   1. A Compliance Plan, Form C-1.
   2. A Compliance Certification, Form C-2.

II. Submit an application fee according to the Application Fee Schedule in the Instructions for Applying for an Air Pollution Control Permit.

III. Provide other information as follows:

A. As required by any applicable requirement or as requested and deemed necessary by the Director of Health (hereafter, Director) to make a decision on the application.

B. As may be necessary to implement and enforce other applicable requirements of the Clean Air Act or of HAR Chapter 11-60.1 or to determine the applicability of such requirements.

IV. The Director reserves the right to request the following information:

A. An assessment of the ambient air quality impact of the source or modification. The assessment shall include all supporting data, calculations and assumptions, and a comparison with the National Ambient Air Quality Standards and State Ambient Air Quality Standards.

B. A risk assessment of the air quality related impacts caused by the covered source or significant modification to the surrounding environment.

C. Results of source emissions testing, ambient air quality monitoring, or both.

D. Information on other available control technologies.

V. An application shall be determined to be complete only when all of the following have been complied with:

A. All information required or requested in numbers **I, III, and IV** has been submitted.

B. All documents requiring certification have been certified pursuant to HAR §11-60.1-4.

C. All applicable fees have been submitted.

D. The Director has certified that the application is complete.

VI. The Director shall not continue to act upon or consider an incomplete application.

A. The applicant shall be notified in writing whether the application is complete:
   1. For the requirements of subchapter 7, thirty days after receipt of the application.
   2. For the requirements of HAR subchapter 5, sixty days after receipt of the application. For purposes of this paragraph, the date of receipt of an application for a new covered source or significant modification subject to the requirements of subchapter 7 shall be the date the application is determined to be complete for the requirements of subchapter 7.
   3. Unless the Director requests additional information or notifies the applicant of incompleteness within sixty days after receipt of an application pursuant to **VI.A.2** above, the application shall be deemed complete for the requirements of subchapter 5.

B. During the processing of an application that has been determined or deemed complete, if additional information is necessary to evaluate or take final action on the application, the Director may request such information in writing and set a reasonable deadline for a response.

VII. After receipt of a complete application, the Director, in writing, shall approve, conditionally approve, or deny an application within eighteen months, except as provided in HAR §11-60.1-88 and (A) and (B) below.

A. Upon program approval, within nine months for an application containing an early reduction demonstration pursuant to section 112(i)(5) of the Clean Air Act.

B. Within twelve months for a new covered source or significant modification subject to the requirements of subchapter 7.

VIII. A Covered Source Permit application for a new covered source or a significant modification shall be approved only if the Director determines that the construction or operation of the new covered source or significant modification will be in compliance with all applicable requirements.

IX. The Director shall provide for public notice, including the method by which a public hearing can be requested, and an opportunity for public comment on the draft Covered Source Permit in accordance with HAR §11-60.1-99. Each notification shall also identify the intent to operate at various locations, and the estimated number of location changes for the proposed term of the Temporary Covered Source Permit.

X. The Director shall provide a statement that sets forth the legal and factual bases for the draft permit conditions (including references to the applicable statutory or regulatory provisions) to EPA and any other person requesting it.

XI. Each application and proposed Covered Source Permit shall be subject to EPA oversight in accordance with HAR §11-60.1-95.

XII. Upon issuance of a Temporary Covered Source Permit, the following information is required:

A. Provide all succeeding location changes to the Director for approval at least thirty days, or such lesser time as designated and approved by the Director, prior to the change in location. The owner or operator shall submit sufficient information to enable the Director to assess the air quality impact the temporary covered source may have at the new location.

B. Temporary Covered Source Permit identification number and expiration date.

C. Location map of the new temporary location, identifying the surrounding commercial, industrial, and residential developments.

D. Projected dates of operation at the new location.

E. Certification that no modification will be made to the equipment, and operational methods will remain similar as permitted under the Temporary Covered Source Permit at the new location.

XIII. The Director shall not continue to act upon or consider a location change request, unless the following have been submitted:

A. All information required in number **XII.**

B. Any additional information as requested by the Director.

C. Any applicable fees.

XIV. Prior to any relocation, the Director shall approve, conditionally approve, or deny in writing each location change. If the Director denies a location change, the applicant may appeal the decision pursuant to Hawaii Revised Statutes, Chapter 91.

XV. With the exception of the initial location, if a source remains in any one location for longer than twelve consecutive months, the Director may request an ambient air quality impact assessment of the source.

XVI. At each of the authorized locations, the owner or operator shall operate in accordance with the Temporary Covered Source Permit and all applicable requirements.

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.

   Please refer to Attachment A for the Operation and Compliance Plan

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

   Upon start up of the Crushing unit, the source will be in compliance and remain in compliance per Attachment B methods and means.

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

   A street address for the temporary site is not applicable. The site is identified as a portion of Tax Map Key No. (2) 4-3-001:082.

   See Figure 1

   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

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?
Please refer to Attachment C	TBD	

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
Crusher unit will be started and run initially as a test to confirm zero percent emissions opacity after no more that three minutes from start up.	TBD!

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

Following inial start up, operational problems will be identified and mitigated prior to production and following an additional start up confirmation test.

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

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

c. Narrative description of why any date(s) in (1)(b) was not met, and any preventive or corrective measures taken in the interim:
The Cushing unit is to be placed on the operational site of Figure 1 once the project commences.

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

Name (Last): Sado (First): Greg (MI): I

Title: Chief Operations Manager Phone: (808) 873-3883

Mailing Address: P.O.B. 330449

City: Kahului State: HI Zip Code: 96733

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): Greg Sado

(Signature): [signature] Date: 8/15/2023

Facility Name: Alpha Inc.

Location: P.O Box 330449 Kahului, HI 96733

Permit Number:

FOR AGENCY USE ONLY

File/Application No.:

Island:

Date Received:

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): Sado (First): Greg (MI): I

Title: Chief Operations Officer Phone: (808) 873-3883

Mailing Address: P.O. Box 330449

City: Kahului State: HI Zip Code: 96733

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): Greg Sado

(Signature): _____ Date: 8/15/2023

Facility Name: Alpha Inc.

Location: P.O. Box 330449 Kahului, HI 96732

Permit Number: _____

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

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

1. Schedule for submission of Compliance Certifications during the term of the permit:

   Frequency of Submittal: Once a year Beginning Date: TBD

2. Emissions Unit No./Description: 507 TPH Mobile Komatsu Crusher with 306 HP Komatsu diesel engine, 400 TPH stand alone power screen, 386 TPH Portable Cone Crusher with a Caterpillar C12 or C13 diesel engine, 500 TPH three-deck track screen system.

3. Identify the applicable requirement(s) that is/are the basis of this certification:

   HAR 11-59 Ambient Air Quality Standards
   HAR 11-60.1 Subchapter 1 General Requirements
   HAR 11-60.1 Subchapter 2 General Prohibitions
   HAR 11-60.1 Subchapter 5 Covered Sources
   HAR11-60.1 Subchapter 6 Fees for Noncovered Sources, Covered Sources and Agricultural Burning

4. Compliance status:

   a. Will the emissions unit be in compliance with the identified applicable requirement(s)?

      ☒ YES ☐ NO

   b. If YES, will compliance be continuous or intermittent?

      ☒ Continuous ☐ Intermittent

   c. If NO, explain:

      N/A

3. CONTINUED

HAR 11-60.1 Subchapter 8 Standards of Performance for Stationary Sources
HAR 11-60.1 Subchapter 9 Hazardours Air Pollutant Sources
HAR 11-60.1 Subchapter 10 Field Citation
40 CFR 60 Subpart A NSPS General Provisions
40 CFR 60 Subpart OOO Standards of Performance for Nonmetallic Mineral Processing Plant
40 CFR 60 Subpart IIII Standards of Performance for Stationary Compression Ignition Internal Combustion Engines

5. Describe the methods to be used in determining compliance of the emissions unit with the applicable requirement(s), including any monitoring, recordkeeping, reporting requirements, and/or test methods:

Record keeping of fuel usage and specifications, daily visual checks on water spray system, record keeping on inspection, maintenance, and repair log, monthly V.E testing, records kept on operating hours, production, and fuel consumption, regular maintenance

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

Monthly production, hour of operation, and fuel consumption record keeping, daily check on water piping system, spray nozzles, and water pressure of all wet suppression equipment, monthly V.E testing in accordance with EPA, Method 40 CFR Part 60, Method 9, annual performance test in accordance with test methods set forth in 4040 CFR Part 60.11 Subpart OOO for opacity, collect receipts and laboratory analysis every fuel delivery, equipment maintenance as recommended by manufacturer or as needed, submittal of ssemiannual and annual reports to the DOH, submittal of annual compliance certification to the DOH and EPA.

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

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

[X] YES [ ] NO

b. If YES, identify the requirements and the provisions being taken to achieve compliance:

Use only fuel oil no 2 with maximum sulfur content less than 0.5% weight, ambient air quality will be reassessed if new location is different from initial location, control fugitive dust at all transfer point. maintain water application in good operating condition, minimum of one location change per five years. generate less than 15% opacity from the crusher, generate less than 10% opacity from all transfer point, less than 20% opacity for all diesel engines, may add additional water sprayers at specific location when requested by the DOH

c. If NO, describe below which requirements will not be met:

N/A

ATTACHMENT A

ALPHA INC.
CONSTRUCTION DRILLING ENERGY

Office 808.873.3883 | Fax 808.873.3884
P.O. BOX 330449 KAHULUI, HI 96733 |ABC -31555

MACHINE SCHEDULE:

- 5 Days a week
- APPROX. TIMES: 7am – 4pm

MAINTENANCE SCHEDULE:

FULL SERVICE / PREVENTATIVE MAINTENANCE

- SCHEDULED: Every 250 hours
- CONSISTS OF: Engine and Hydraulic system service, thorough inspection of machine and repair issues as needed. Complete function test after full service and any repairs completed.

DAILY MAINTENANCE:

- CONSISTS OF: Fuel, oil & lube. Thorough pre operation and post operation inspections completed, and any repairs needed are completed at that time and function tested.

INSPECTION ROUTINE:

- MACHINE: Daily pre operation and post operation inspections for machine.
- JOBSITE: Daily pre operation and post operation inspections and address any issues immediately to ensure dust mitigation, cleanliness, organization & safe operation at jobsite.

DAILY OPERATIONS PROCESS:

CRUSHING OPERATIONS:

- Fuel/Lube Machine
- Pre-Operation Inspection of machine & jobsite
- Startup machine & pre-water prior to loading into the crusher
- Monitor crusher's viable dust emissions.
- Apply water to crushed material to prevent dust plumes.
- Apply water to material transfer points.
- Stabilize stockpile materials.
- Install wind barriers.
- Add or remove material from downwind portion of stockpile.
- Maintain storage piles to avoid steep sides or faces.
- Pre-apply and re-apply water as necessary to maintain soils in a damp condition.

TRUCKING OPERATIONS:

- Provide water while loading and unloading to prevent fugitive dust.
- Maintain at least 6" of freeboard on haul vehicles.
- Limit vehicular speed while traveling onsite.
- Pre-apply and re-apply water as necessary on the haul truck roads.

RECORD KEEPING:

- Daily & Annually recorded machine fuel logs.
- Daily machine pre operation and post operation inspections.
- Daily jobsite pre operation and post operation inspections.
- Record & log ALL required training for machine operations.

BEST MANAGEMENT PROCESSES:

- Maintain and record daily pre-operation and post operation inspections for both machine and jobsites.
- Maintain and record any repairs as needed for both machines and jobsites.
    - Repairs are to be signed off on by both operator and mechanic post function test.
- Maintain fuel logs and update daily.
- Maintain constant control of dust mitigation.
- Maintain constant visual awareness of dust emissions on machine and jobsite area.
- Maintain safe and proficient operation of machine while in production.

EMPLOYEE TRAINING:

- Pre operation and Post operation inspections of machine and jobsite.
- Keeping proper daily and annual records of machine inspections, fuel logs, emissions & dust emissions.
- Proper safe startup and shut down of the machine.
- Proper function test of machine and all components.
- Operating machine safely and proficiently during operations.
- Understanding basic mechanical aspects of the machine for safe operation.
    - *EX: Adjustments, Repairs, what to look for etc...*
- Proper dust mitigation and dust emissions of machine, product, and the jobsite.
- Safety of machine operations and jobsite area.

ATTACHMENT B

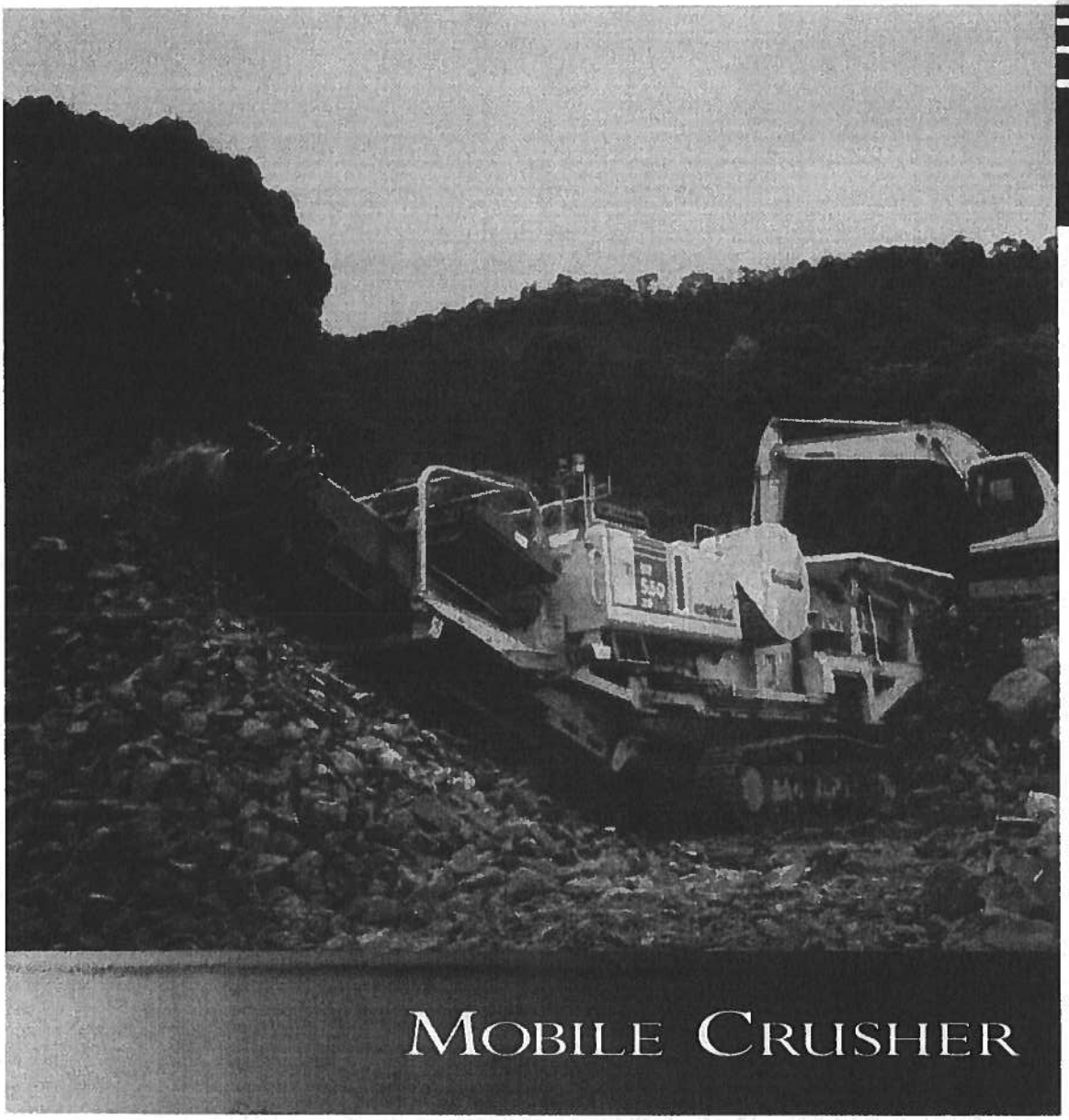
KOMATSU®

BR550JG-1

FLYWHEEL HORSEPOWER
228 kW 306 HP @ 1950 rpm

OPERATING WEIGHT
47500 kg 104,720 lb

BR
550
JG



MOBILE CRUSHER

BR550JG-1 Mobile Crusher

WALK-AROUND

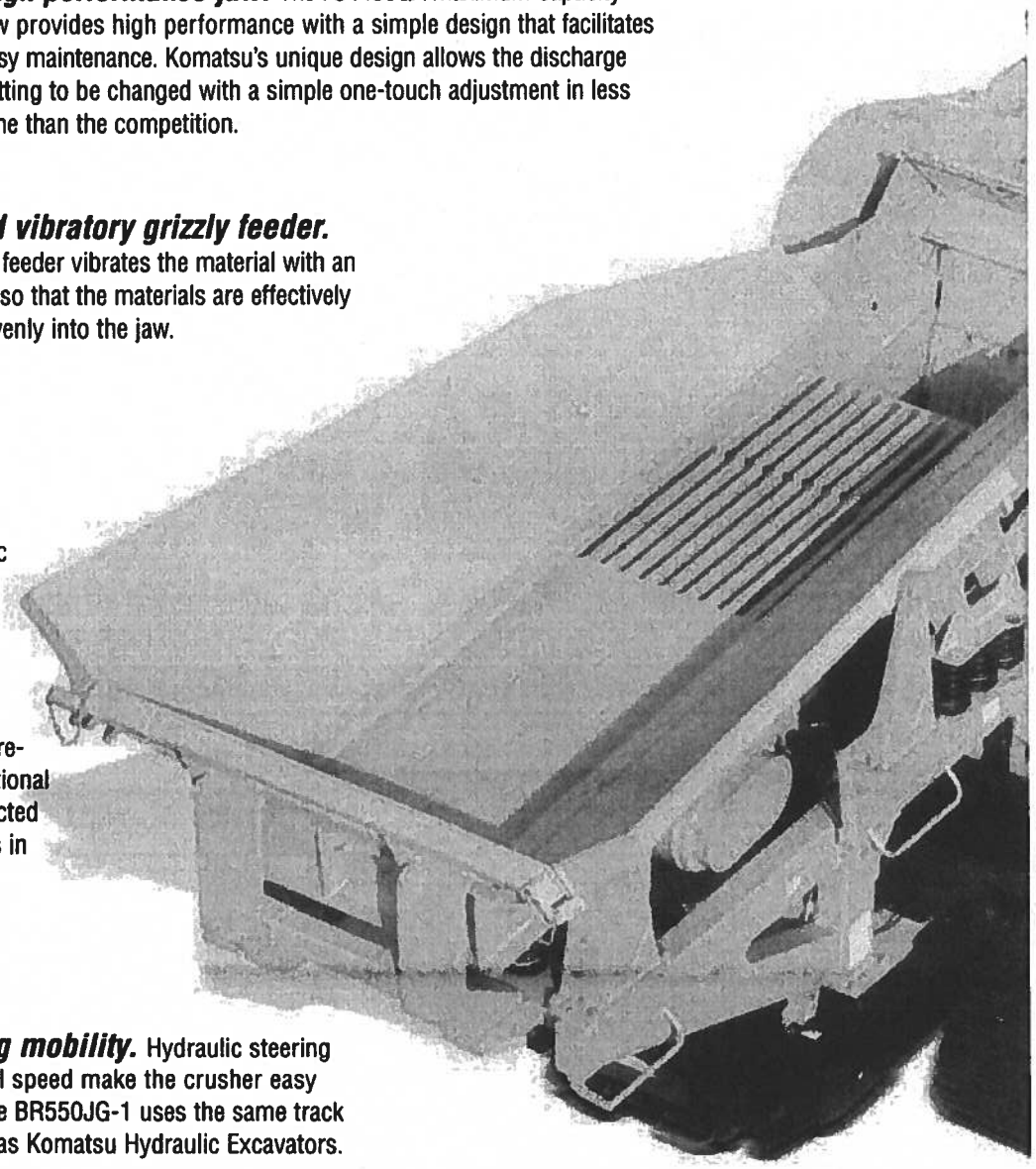
Komatsu's newly designed BR550JG-1 enters the market as the most technologically advanced machine available. With excellent crushing power and a treatment capacity of ***100–460 ton/h*** 110–507 U.S. ton/h, the Komatsu BR550JG-1 is the optimum choice for your work site.

Rotating lamp flashes to indicate travel mode, excessive load on crusher or abnormal condition.

High performance jaw. The FS4430QA maximum-capacity jaw provides high performance with a simple design that facilitates easy maintenance. Komatsu's unique design allows the discharge setting to be changed with a simple one-touch adjustment in less time than the competition.

Newly designed vibratory grizzly feeder. The vibratory grizzly feeder vibrates the material with an elliptical movement, so that the materials are effectively separated and fed evenly into the jaw.

HydrauMind hydraulics and all-hydraulic drive system. Fully hydraulic drive system gets you working right away. HydrauMind system supplies the optimal amount of oil through load-sensing and pressure-compensated valves. Optional equipment can be connected through hydraulic outlets in the chassis.



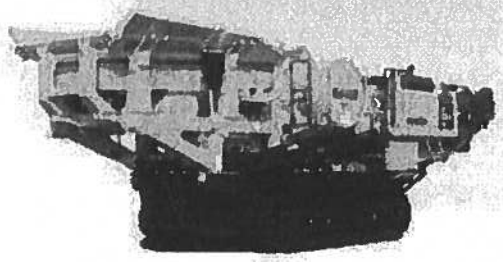
Outstanding mobility. Hydraulic steering and high travel speed make the crusher easy to relocate. The BR550JG-1 uses the same track undercarriage as Komatsu Hydraulic Excavators.

BR550JG-1
MOBILE CRUSHER

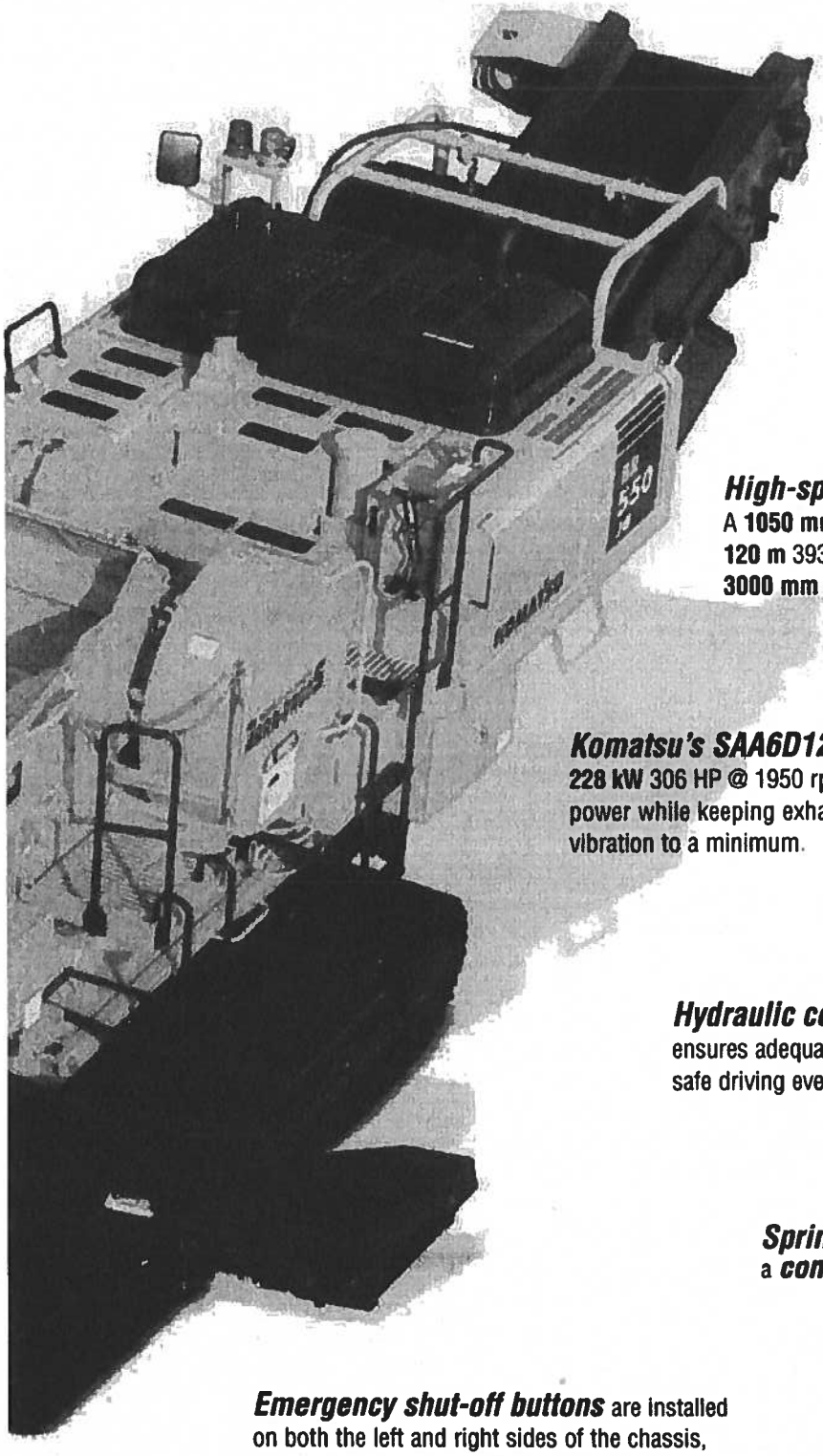
FLYWHEEL HORSEPOWER
228 kW 306 HP @ 1950 rpm

OPERATING WEIGHT
47500 kg 104,720 lb

TREATMENT CAPACITY
100–460 ton/h
110–507 U.S. ton/h



Foldable hopper for easy loading and transport. The overall height of the hopper (which can be loaded from three sides) is only **3365 mm** 11'0" high (rear side).



High-speed, large-capacity conveyor belt. A **1050 mm** 3'5" (**1000 mm** 3'4") wide belt moves at **120 m** 393'8" per minute. The discharge height is **3000 mm** 9'10".

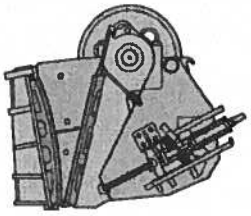
Komatsu's SAA6D125E-2 engine provides **228 kW** 306 HP @ 1950 rpm for maximum crushing power while keeping exhaust gas, noise, and vibration to a minimum.

Hydraulic conveyor lifter at the high position ensures adequate ground clearance when driving, and safe driving even when on uneven ground.

Sprinkler nozzle and a ***connector*** are standard.

Emergency shut-off buttons are installed on both the left and right sides of the chassis, control panel, and radio remote control (optional).

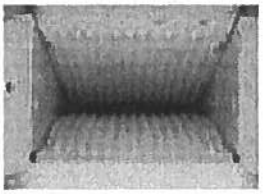
PRODUCTIVITY FEATURES



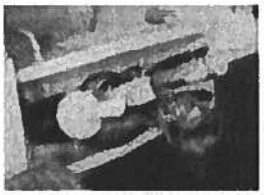
Equipped with FS4430QA Jaw Crusher

The powerful FS4430QA jaw crusher with bow-type fixed jaw at high rpm allows you to adjust setting ranges from **55 mm** to **200 mm** 2.2"–7.9" (OSS) for maximum crushing capabilities, including concrete debris and hard rock. Komatsu's one-touch setting adjustment also allows greater control over your crushing capacity.

Designed with the operator in mind, the crusher offers the most up-to-date technological advancement to assist with your crushing needs.



FS4430QA Jaw

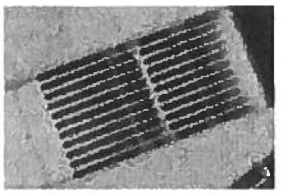


GAP Adjust Cylinder

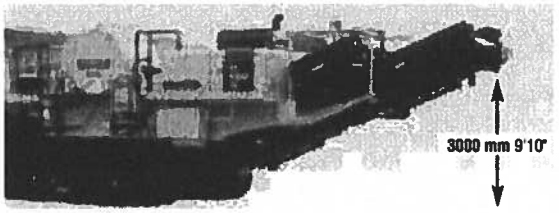
Adjustment Switch

- **Maximum crushing efficiency.** The Komatsu semi-automatic feeder system senses the load on the crusher and adjusts the feed rate accordingly to maximize efficiency for all types of rock and concrete debris.
- **Hopper for easy loading.** The loading height of the hopper is only **3365 mm** 11'0" (rear side).
- **Newly designed vibrating grizzly feeder.** By raising the feeder angle to an incline of 4° the muck is more effectively removed and the elliptical movement of the 2-stage grizzly feeder reduces clogging. Also, an optional muck conveyor is available to separate the materials.
- **High-speed, large-capacity conveyor belt.** A **1050 mm** 3'5" (**1000 mm** 3'4") wide belt moves quickly to discharge crushed materials. Discharge height is **3 m** 9'10", which facilitates stocking and screening the products.
- **High-volume capacity.** By utilizing the latest in technology in the development of the large-sized, high-speed crusher, the Mobile Crusher maximizes the volume of materials that can be crushed and passed through the grizzly feeder.

Load-setting Control Dial



Cassette-type Grizzly Bar



Treatment Capacity

Maximum treatment capacity (with a muck content of 30%).

Unit: ton/h U.S. ton/h

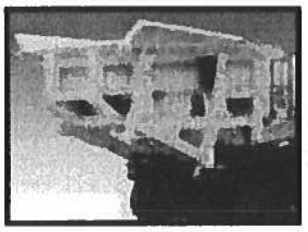
	Crusher Discharge Setting (open side)				
Material	55 mm 2.2"	70 mm 2.8"	100 mm 3.9"	150 mm 5.9"	200 mm 7.9"
Natural stone	—	—	130–180 143–198	200–280 220–309	280–400 309–441
Concrete debris	100–140 110–154	110–160 121–176	150–220 165–243	230–330 254–364	320–460 353–507

*The treatment capacity of the natural stones shown in the table is based on andesite having unconfined compression strength of about **1000 kg/cm²**, that of the concrete debris is based on concrete debris containing no steel bars and all the material is assumed to be dry and equal to or smaller than the optimum feed-in material size.

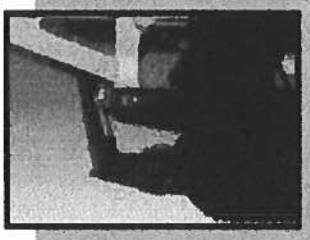
The treatment capacity is the sum of the quantity of the material crushed by the crusher and the quantity of the material that passed through the grizzly bar. It depends on the type and properties of the material and the working condition.

When the crusher discharge setting is **55–100 mm** 2.2"–3.9", only concrete debris can be crushed.

- **High mobility.** The overall height for transportation is reduced below **3.4 m 11'2"** by employing the hydraulic cylinder to fold the hopper. The BR550JG-1 has high ground clearance. The hydraulic conveyor elevator function ensures ample ground clearance when relocating the machine. The optional radio controller allows remote control travel functions.



Folding Hopper



Lifting Function of Conveyor

EASY MAINTENANCE AND SAFETY

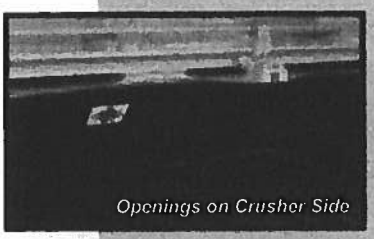
Maximum Reliability and Minimal Maintenance. Komatsu equipment offers exceptional reliability and the leading edge in technological advancement. The new trouble monitoring system improves maintenance, while standard features such as the pre-cleaner and double cleaner element are installed to increase operator comfort and improve dust resistance. A large ground clearance under the crusher means easier maintenance. Even if trouble occurs it can be repaired in a short time.

Comfortable Design. In addition to a low-noise engine made with sound-absorbing materials, Komatsu installs low-speed and high-torque hydraulic pumps, a muffler, and other standard parts to reduce noise and vibration. In addition, every crusher is equipped with a standard water sprinkler nozzle to suppress dust and improve the environment.

Easy Operation. The Mobile Crusher offers high-performance functions. The crusher setting can be completed in 3 minutes with the easy setting adjustment mechanism. The crusher, feeder, discharge conveyor belt, and optional equipment can all be operated at the touch of a button. With the optional remote control, operator control is maximized.

Safety

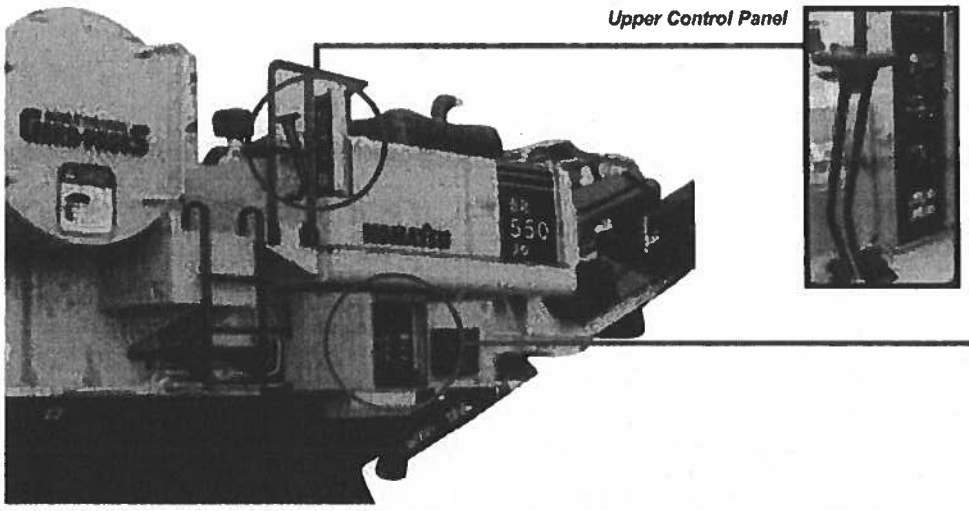
- Emergency shut-off buttons are located on the left and right sides of the chassis, on the control panel, and the remote control (optional).
- A rotating lamp flashes when there is a malfunction on the monitor display (for example, when overheating occurs) and the operator is also alerted by a buzzer in the event of an abnormal shut-down on the conveyor belt or optional equipment.
- A switch is provided to change between crushing and travel modes.
- Handrails and safety guards are provided for all sections.



Openings on Crusher Side

Low-Noise Engine

Water Sprinkler Nozzle



Upper Control Panel

Main Control Panel

SPECIFICATIONS

ENGINE

Model	Komatsu SAA6D125E-2
Type	4-cycle, water-cooled, direct injection
Aspiration	Turbocharged and aftercooled (air to air)
Number of cylinders	6
Bore	**125 mm** 4.92"
Stroke	**150 mm** 5.91"
Piston displacement	**11.04 ltr** 674 in³
Flywheel horsepower	**228 kW** 306 HP @ 1950 rpm (SAE J1349)
Governor	All-speed, electrical

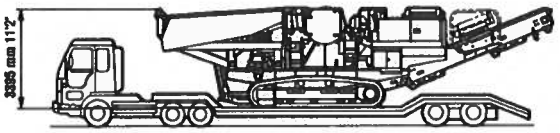
HYDRAULIC SYSTEM

Type	Variable capacity with pistons (inclined plate type)
Main pump:	
Type	Variable-capacity pistons
Pumps for	Travel, crusher, conveyor, and options
Maximum flow	**2 x 310 ltr/min** 2 x 82 U.S. gpm
Maximum pressure	**380 kg/cm²**
Maximum travel speed	**3 km/h** 1.9 mph

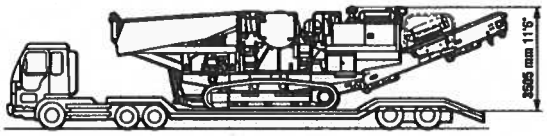
Hydraulic system (travel, crusher, feeder, conveyor, and option):

Travel	**220 ltr/min**	58 U.S. gpm
Crusher	**325 ltr/min**	86 U.S. gpm
Feeder	**110 ltr/min**	29 U.S. gpm
Main conveyor	**90 ltr/min**	24 U.S. gpm
Muck conveyor	**47 ltr/min**	12 U.S. gpm
Magnetic separator	**36 ltr/min**	10 U.S. gpm

TRANSPORTATION



Condition after rotary lamp assembly, muffler, pre-cleaner, and mirror assembly are removed.



Condition after only rotary lamp and muffler are removed.

(In some districts, the machine may need to be disassembled for transportation.)

Transport length	**13430 mm**	**44'1"**
Transport height	**3395 mm**	**11'2"**
Transport height*	**3505 mm**	**11'6"**
Transport width	**2995 mm**	**9'10"**

*Condition after only rotary lamp and muffler are removed.

OPERATING WEIGHT

Operating weight, including 500 mm shoes	**47500 kg** 104,720 lb
Treatment capacity	**100–460 ton/h** 110–507 U.S. ton/h

CRUSHER

Jaw	Komatsu FS4430QA
Inlet size	**1120 mm x 765 mm** 44" x 30"
Discharge setting (O.S.S.)	**55 mm to 200 mm** 2.2" to 7.9"
Rotating speed (variable)	210–300 rpm

GRIZZLY FEEDER

Frequency	Maximum 1000 cpm
Size	**1125 mm x 4105 mm** 44" x 13'6"
Drive type	Hydraulic gear motor

UNDERCARRIAGE

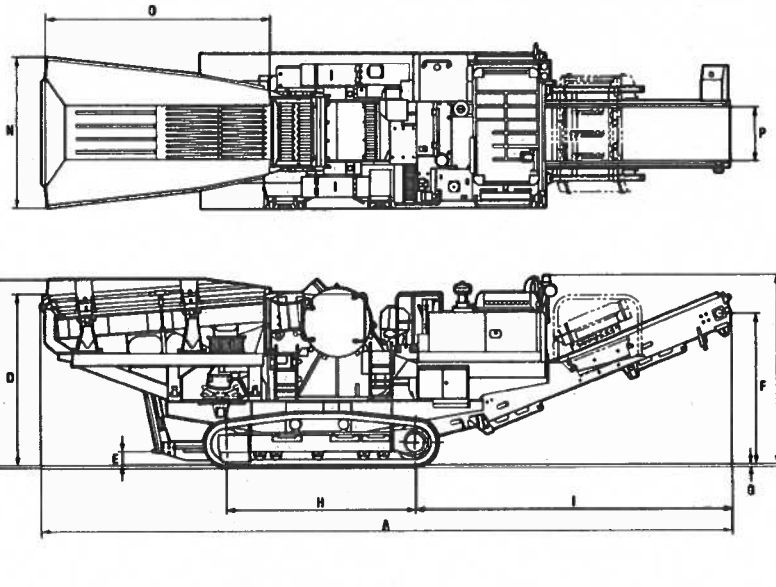
Seal of track	Sealed track
Track adjuster	Hydraulic
Number of shoes	45 each side
Number of carrier rollers	2 sets/one side
Number of track rollers	5 sets/one side

COOLANT AND LUBRICANT CAPACITY

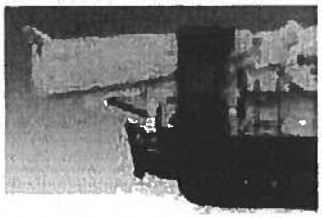
Fuel tank	**605 ltr**	160 U.S. gal
Radiator	**43.9 ltr**	12 U.S. gal
Engine	**38 ltr**	10 U.S. gal
Final drive, each side	**9 ltr**	2.4 U.S. gal
Hydraulic system	**370 ltr**	98 U.S. gal

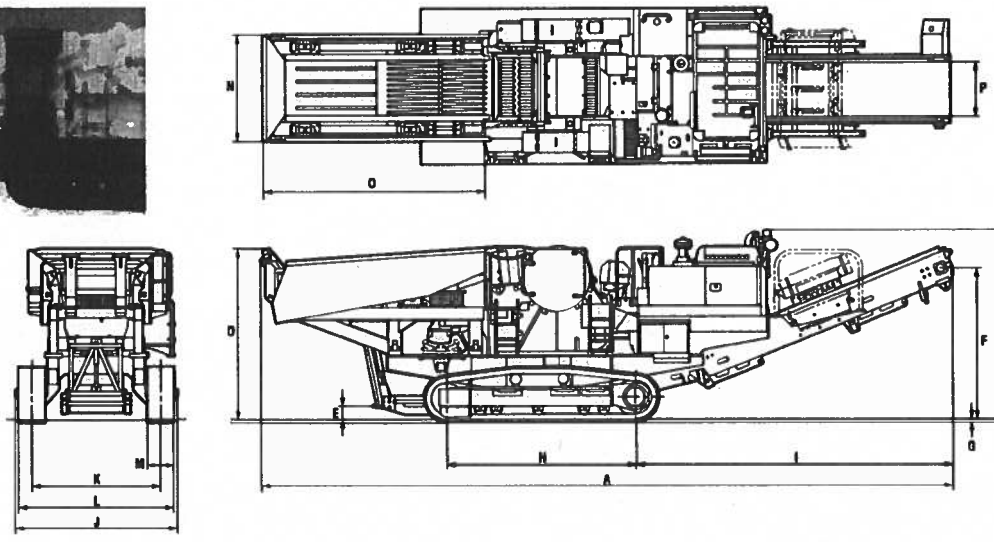
DIMENSIONS

When Operated



When Hopper is Folded





A	Overall length	13430 mm	44'1"
B	Overall height	3640 mm	11'11"
C	Feed height—side	3640 mm	11'11"
D	Feed height—rear	3365 mm	11'0"
E	Minimum ground clearance (during travel)	350 mm	1'2"
F	Discharge height	3000 mm	9'10"
G	Track thickness	30 mm	1"
H	Length of track on ground	3700 mm	12'2"
I	Discharge from idler center	6145 mm	20'2"

J	Overall width	3115 mm	10'3"
K	Track gauge	2480 mm	8'2"
L	Track width	2980 mm	9'9"
M	Shoe width	500 mm	19.7"
N	Hopper width Hopper width when folded	2805 mm 2130 mm	9'2" 7'0"
O	Hopper length	4365 mm	14'4"
P	Discharge conveyor belt width Note: 1000 mm 3'4" is available	1050 mm	3'5"

STANDARD EQUIPMENT

ENGINE:
- Engine, Komatsu SAA6D125E-2
- 4-cycle, water-cooled, direct injection, turbocharged, and aftercooled (air to air)
- Net horsepower **228 kW** 306 HP @ 1950 rpm
- Fuel system:
  –Fuel, light oil, ASTM specification
  –Governor, centrifugal method, all-speed method
- Cooling fan, suction type
- Air cleaner, centrifugal method with paper filter

ELECTRICAL SYSTEM:
- Starting motor, **11 kW** 24 V
- Alternator, **50 ampere** 24 V
- Battery, **140 Ah** 2 x 12 V

UNDERCARRIAGE:
- Number of rollers:
  –Upper carrier, two sets/one side
  –Lower track, five sets/one side

SHOES:
- Assembled triple-grouser type, **500 mm** 19.7"
- Tension adjustment, grease cylinder method (cushion springs attached)

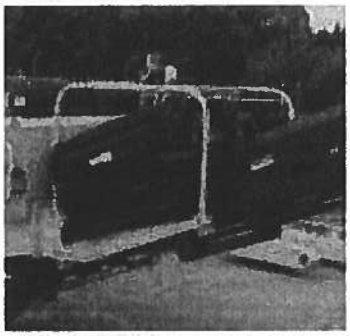
CRUSHER:
- Type, FS4430QA single-toggle crusher
- Size, **1120 mm x 765 mm** 44" x 30"
- Rotation, 210–300 rpm
- Drive method, hydraulic motor with V-belt

FEEDER:
- Type, 2-step deck
- Speed controlled grizzly feeder
- Dimensions (W x L), **1125 mm x 4105 mm** 44" x 13'6"
- Grizzly bar opening, **45–70 mm** 1.77"–2.76"
- Drive method, hydraulic gear motor

BELT CONVEYOR:
- Width x length, **1050 mm x 10135 mm** 3'5" x 33'3"
- Speed, **120 m/min** 393.7 ft/min
- Drive method, hydraulic piston motor

OPTIONAL EQUIPMENT

MAGNETIC SEPARATOR:
- Magnetic separator for primary conveyor, **900 mm** 35" wide



Magnetic Separator

MUCK CONVEYOR:
- Muck conveyor assembly can be folded by hydraulic cylinder, **4000 mm x 600 mm** 13'1" x 2'

Muck Conveyor

RADIO REMOTE CONTROLLER:

Function:
- Travel Left/Right/ Forward/Reverse
- Crusher On/Off
- Feeder On/Off
- One-Touch Deceleration On/Off
- Emergency Shutoff
- Horn

Remote Controller

HESS679200 SN2(3M)C DataKom 2/01 (EV-1)

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Item I.C. Air Pollution Control Equipment and Activities

Pollutant	Certified Chemical Emission Factor (g/bhp-hr) (EF_i)	Unit Brake Horsepower (bhp)	Total Annual Number of Hours of Operation/yr (t)	Annual Emissions of Chemical (g/yr) (AE_i)	Annual Emissions of Chemical (lb/yr) (AE_i)	Emissions of Chemical (#/hr) (AE_i)	Emissions of Chemical (Tons/yr) (AE_i)
HC + NOx	4.5	318	2080	2,976,480	6,562	3.15	3.28
Carbon Monoxide	0.5	318	2080	330,720	729	0.35	0.36
Particulate (PM)	4.5	318	2080	79,373	175	0.08	0.09

Notes:
AE_i = Ef x bhp x t
1 hp = 1.039 bhp
Internal Combustion Sources:
There are two methods for calculating annual emissions from internal combustion units. If the unit's brake horsepower (bhp) and annual hours of operation are available, the following equation can be used:
AE = EF x bhp x t
Where,
AE = Annual emissions of chemical i (lb i/yr)
EF = Chemical i emission factor (lb i/bhp-hr)
t = Total annual number of hours of operation (hr/yr)
bhp = Unit brake horse power (bhp)

https://www.epa.gov/general-conformity/general-conformity-training-modules-appendix-sample-emissions-calculations

Item I.D. Operational Limitations and Work Practices

No operational limitations and work practices are anticipated to have a major effect on emissions.

Item IE. Schedule

Date	Milestone
July 27, 2023	Start crusher unit processing of project concrete.
January 20, 2024	Completion of crusher unit processing of project concrete.

Item IF. Proposed Exemptions

No exemptions from any applicable requirement(s) are proposed.

Item IG. Compliance Plan (Form C-1)

1. Compliance status:

The Mobile Crusher unit will not be on site at the time of the permit application submittal. Therefore, the facility will not be in compliance with all applicable requirements upon permit submittal. However, the Facility will be in compliance with all applicable requirements upon commencement of work and throughout the operation of the Mobile Crusher unit.

Applicable requirements:

a) HAR chapter 11-59; the maintenance and attainment of state ambient air quality standards.
b) HAR chapter 11-60.1; the application of best available control technology (see Form S-10, Item I.C.)
c) HRS Chapter 342B; Air Pollution Control
d) HAR chapter 11-60.1 or HAR chapter 11-59; Air Pollution Control and Ambient Air Quality Standards.

Table 1. National Ambient Air Quality Standards

Pollutant [links to historical tables of NAAQS reviews]	Primary/ Secondary	Averaging Time	Level	Form
Carbon Monoxide (CO)	primary	8 hours	9 ppm	Not to be exceeded more than once per year
		1 hour	35 ppm	
Lead (Pb)	primary and secondary	Rolling 3 month average	0.15 µg/m³ (1)	Not to be exceeded

Pollutant [links to historical tables of NAAQS reviews]		Primary/ Secondary	Averaging Time	Level	Form
Nitrogen Dioxide (NO_2)		primary	1 hour	100 ppb	98th percentile of 1-hour daily maximum concentrations, averaged over 3 years
		primary and secondary	1 year	53 ppb (2)	Annual Mean
Ozone (O_3)		primary and secondary	8 hours	0.070 ppm (3)	Annual fourth-highest daily maximum 8-hour concentration, averaged over 3 years
Particle Pollution (PM)	$PM_{2.5}$	primary	1 year	12.0 µg/m³	annual mean, averaged over 3 years
		secondary	1 year	15.0 µg/m³	annual mean, averaged over 3 years
		primary and secondary	24 hours	35 µg/m³	98th percentile, averaged over 3 years
	PM_{10}	primary and secondary	24 hours	150 µg/m³	Not to be exceeded more than once per year on average over 3 years
Sulfur Dioxide (SO_2)		primary	1 hour	75 ppb (4)	99th percentile of 1-hour daily maximum concentrations, averaged over 3 years
		secondary	3 hours	0.5 ppm	Not to be exceeded more than once per year

2. The operation and maintenance of the Crusher unit is described in Attachment 1. An equipment description is provided on the following page.

Public Version

Test Info.

Manufacturer: KOMATSU LTD.
Engine Family: 4kLXL11.0DD3
Certificate #: KLX-NR7-04-14

4. Engine Code: 2C01
5. Engine Model: SAA6D125E-2
6. Displacement(s) (cid Or Liters): 11.01
7. Engine I.d. Number: 78016
8. Rated Hp @ rated Rpm: 322 @ 2050
9. Torque (ft-lb) @ engine Rpm: 914 @ 1500

10. WAIVERs:

Co	Pm	Smoke	Idle Co
NA	NA	NA	NA

11. COLD START: No
12. Certification Fuel: Diesel (Part 89,Sub D,Appdx A,Table 5)
13. Special Test Device ☐ Yes ☒ No
14 Test Procedure: Nonroad, 8 Mode & Smoke

15. OFFICAL TEST RESULTS

	Test 1	Test 2	Test 3
Date:	8/2/2000	10/23/2001	4/16/2002
HC/OMHCE			
NMHC/OMNMHCE			
HC + NOx	5.82	5.84	6.01
CARBON MONOXIDE	.87	.74	.64
OXIDE OF NITROGEN			
PARTICULATE	.140	.154	.158
FORMALDEHYDE			
ACCEL SMOKE %	12.7	14.6	15.0
LUGGING SMOKE %	2.6	2.5	3.1
PEAK SMOKE %opacity	26.8	28.3	24.0
IDLE CO%			
CO2			

16. DETERIORATION FACTORS

DF Type:	
	0.023
	0.000
	.005
	.600
	0
	3

17. CERTIFICATION LEVELS (Rounded Data)

Units-- g/kW-hr --Units

Data In Desired Units: ○ g/KW-hr ◉ g/BHP-hr

	Test 1	Test 2	Test 3	Avg	STDs g/bHp-hr	STDs g/kW-hr	Test 1	Test 2	Test 3
HC/OMHCE					<File Mis	<File Mi			
NMHC/OMNMHCE					<File Mis	<File Mi			
HC + NOx	5.8	5.9	6.0	5.91	<File Mis	<File Mi	4.4	4.4	4.5
CARBON MONOXIDE	.9	.7	.6	.7	<File Mis	<File Mi	.7	.5	.5
OXIDE OF NITROGEN					<File Mis	<File Mi			
PARTICULATE	.15	.16	.16	.16	<File Mis	<File Mi	.11	.12	.12
FORMALDEHYDE					<File Mis	<File Mi			
ACCEL SMOKE %	13	15	16	15	<File Missing>				
LUGGING SMOKE %	3	3	3	3	<File Missing>				
PEAK SMOKE %opacity	30	31	27	29	<File Missing>				
IDLE CO%					<File Missing>				

Section A. Equipment Description

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

   a. 507 tph Mobile Komatsu Crusher (model no. BR550JG-1, serial no. 1088);
   b. 400 tph power screen (model no. and serial no. to be provided upon arrival) powered by an exempt diesel engine; and
   c. water truck.

   The crusher includes:

   d. 306 HP Komatsu diesel engine (model no. SAA6D125, serial no. 211670);
   e. jaw crusher;
   f. screen;
   g. six (6) conveyors; and
   h. watersprays.

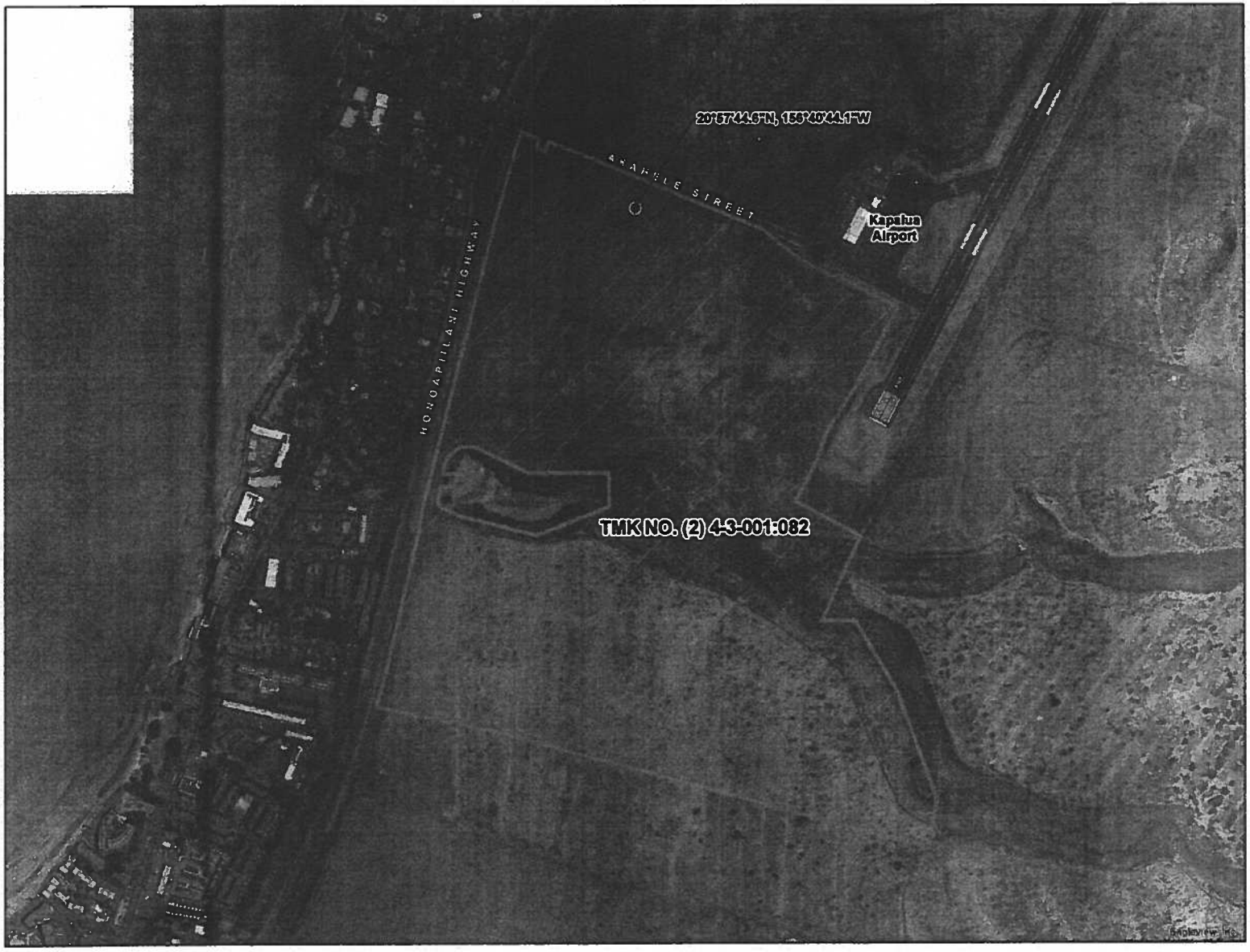
   (Auth.: HAR §11-60.1-3)

2. An identification tag or name plate shall be displayed on the equipments listed above (except for equipments c through h) which identifies the model no., serial no., and manufacturer. The identification tag or name plate shall be permanently attached to the equipment at a conspicuous location.

   (Auth.: HAR §11-60.1-5)

Section B. Applicable Federal Regulations

Figure 1



LEGEND

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CRUSHING PLANT LOCATION

NOTES

The accuracy of this document is limited to the quality and scale of the source information. This document is not a legal representation of an engineered survey.

SOURCES

ArcGIS Map Service - Eagleview, Inc., 2020.

http://planning.hawaii.gov/gis, 2022.

0 250 500 1,000

Scale in Feet

FIGURE 1
AREA MAP

Permitting for Crusher Unit
on West Maui
TMK No. (2) 4-3-001:082

ENVIRONMENTAL SCIENCE INTERNATIONAL

Process Flow

Crusher Unit West Maui