

ADMINISTRATIVE RECORD

Mahukona Ranch, LLC
Crushing and Screening Plants

Application No. 0635-05 for Minor Modification
Application No. 0635-06 for Renewal

Located At: Various Temporary Sites, State of Hawaii

Temporary CSP No. 0635-02-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-01)

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

Temporary Covered Source Permit (CSP) No. 0635-02-CT

Application Nos. 0635-05 and 0635-06 for Minor Modification and Renewal
Mahukona Ranch, LLC

Crushing and Screening Plants

Located At: Various Temporary Sites, State of Hawaii

Current Location: 57-1809 Kohala Mountain Road, Hawaii, Island of Hawaii

UTM: Q5; 202,015 m E, 2,235,408 m N (NAD-83)

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

The issuance of Temporary CSP No. 0635-02-CT will grant conditional approval for the continued operation of a 460 TPH Jaw Crusher and 300 TPH Screen, and the addition of a 250 TPH Cone Crusher. Water suppression will be used as necessary to minimize fugitive emissions. The Crushing and Screening Plants are subject to 40 Code of Federal Regulations (CFR), Part 60, Subpart OOO, Standards of Performance for Nonmetallic Mineral Processing Plants.

The **ADMINISTRATIVE RECORD**, consisting of the **APPLICATION** and non-confidential supporting material from the applicant, the permit review summary, and the **DRAFT PERMIT**, is available for public inspection online at:

<http://health.hawaii.gov/cab/public-notices/> and at the following locations during regular office hours, Monday through Friday, 7:45 a.m. to 4:15 p.m.:

Oahu:

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

Hawaii:

Kona
Sanitation Branch, Department of Health
79-1020 Haukapila Street, Room 115
Kona, Hawaii 96750

Hilo
Hawaii District Health Office, Department of Health
1582 Kamehameha Avenue
Hilo, Hawaii 96720

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 Pearl City, Hawaii address and must be postmarked or received by **February 7, 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 the Permitting Section of 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

DATE

CERTIFIED MAIL
RETURN RECEIPT REQUESTED
(xxxx xxxx xxxx xxxx xxxx)

23-xxx CAB
File No. 0635

Mr. Frank Weyrick
Equipment Manager
Mahukona Ranch, LLC
P.O. Box 617
Kapa'au, Hawaii 96755

Dear Mr. Weyrick:

SUBJECT: Temporary Covered Source Permit (CSP) No. 0635-02-CT
Application Nos. 0635-05 and 0635-06 for Minor Modification Renewal
Mahukona Ranch, LLC
Crushing and Screening Plants
Located At: Various Temporary Sites, State of Hawaii
Current Location: 57-1809 Kohala Mountain Road, Island of Hawaii
UTM: Q5; 202,015 m E, 2,235,408 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, specifications, and information that you submitted as part of your minor modification application received on October 10, 2022, and additional information received on December 5 and 12, 2022, October 30, 2023, and November 2, 2023, and renewal application received on August 11, 2023. This permit supersedes Temporary CSP No. 0635-02-CT issued on August 8, 2019, in its entirety. A receipt for the application filing fee of \$400.00 is enclosed. A receipt for the \$100.00 minor modification application filing fee was sent to you in a letter dated November 2, 2022.

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

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

Mr. Frank Weyrick
DATE
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The following forms are enclosed for your use and submittal as required:

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

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

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 the Permitting Section of the Clean Air Branch at (808) 586-4200.

Sincerely,

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

LC:tkg

Enclosures

**ATTACHMENT I: STANDARD CONDITIONS
TEMPORARY COVERED SOURCE PERMIT NO. 0635-02-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:
- Identification of the specific equipment to be taken out of service, as well as its location and permit number;
 - The expected length of time that the air pollution control equipment will be out of service;
 - The nature and quantity of emissions of air pollutants likely to be emitted during the shutdown period;
 - Measures such as the use of off-shift labor and equipment that will be taken to minimize the length of the shutdown period; and
 - 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:
- Identification of each affected emission point and each emission limit exceeded;
 - Magnitude of each excess emission;
 - Time and duration of each excess emission;
 - Identity of the process or control equipment causing the excess emission;
 - 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)

¹The 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.

²The 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. 0635-02-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. 460 TPH Extec, Model No. C-12 Jaw Crusher, Serial No. 9713;
 - b. 250 TPH Screen Machine, Model CST Cone Crusher, Serial No. CST-E AE3112;
 - c. 300 TPH McCloskey, Model No. S130 Screener, Serial No. 86871;
 - d. Various Conveyors; and
 - e. Water Spray System.

(Auth.: HAR §11-60.1-3)

2. An identification tag or name plate shall be displayed on the crushers and screener listed above to show model number, serial number, and manufacturer, as applicable. The identification tag or name plate shall be permanently attached to the equipment at a conspicuous location.

(Auth.: HAR §11-60.1-5, §11-60.1-90)

Section B. Applicable Federal Regulations

1. The Crushing and Screening Plant is subject to the provisions of the following federal regulations:
 - a. 40 Code of Federal Regulations (CFR) Part 60, Standards of Performance for New Stationary Sources, Subpart A, General Provisions; and
 - b. 40 CFR Part 60, Standards of Performance for New Stationary Sources, Subpart OOO, Standards of Performance for Nonmetallic Mineral Processing Plants.

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

2. The permittee shall comply with all of the applicable provisions of these standards, including all emission limits, notification, testing, monitoring, and reporting requirements. The major requirements of these standards are detailed in the Special Conditions of this permit.

(Auth.: HAR §11-60.1-3, §11-60.1-90, §11-60.1-161; 40 CFR Part 60)¹

Section C. Operational and Emissions Limitations

1. Fugitive Emission Limits

- a. The permittee shall not cause to be discharged into the atmosphere from the 460 TPH crushing plant, fugitive emissions which exhibit greater than fifteen percent (15%) opacity from the crusher and ten percent (10%) opacity from any transfer point on the belt conveyors, screening operation or from any other affected facility.
- b. The permittee shall not cause to be discharged into the atmosphere from the 250 TPH crushing plant, fugitive emissions which exhibit greater than twelve (12) percent opacity from the crusher and seven percent (7%) opacity from any transfer point on the belt conveyors, screening operation or from any other affected facility.
- c. The permittee shall not cause to be discharged into the atmosphere from the 300 TPH screening plant, fugitive emissions which exhibit greater than seven percent (7%) opacity from any transfer point on the belt conveyors, screening operation, 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 Emission Control

- 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 VE of fugitive dust beyond the lot line of the property boundary on which the emissions originate.
- b. The permittee shall take measures to control fugitive dust (e.g., wet suppression, enclosures, dust screens, etc.) at all material transfer points, stockpiles, plant roads, and throughout the facility. The Department may at any time require the permittee to further abate fugitive dust emissions if an inspection indicates poor or insufficient control.
- c. Water spray systems shall be maintained and utilized, as necessary, during operation of the crushing and screening plants to ensure compliance with the fugitive emission limits. The Department at any time may require continuous operation of the water sprays and/or additional water sprays or manual water spraying at pertinent locations if an inspection indicates that more fugitive dust control is needed.
- d. The crushing and screening plants 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.
- e. 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.

- f. Water sprays and/or a water truck shall be maintained and utilized, as necessary, to minimize fugitive dust from plant operations (e.g., haul roads, stockpiles, material transfer points, etc.).

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

3. Maintenance

The crushing and screening plants 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.
- 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 and screening plants for purposes of annual emissions reporting.

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

3. Water Spray Systems

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

(Auth.: HAR §11-60.1-3, §11-60.1-5, §11-60.1-90, §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 crushing and screening plants pursuant to Attachment II, Section F. Test plans, summaries, and results shall be maintained in accordance with the requirements of this section.

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

6. Visible Emissions

Except in those months when performance tests are conducted for fugitive emissions pursuant to Attachment II, Section F, the permittee shall conduct **monthly** (calendar month), VE observations for the crushing and screening plants 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 crushing 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 four (4) fugitive emission points shall be observed each month. The selected points shall include the primary crusher, the secondary crusher, a screen, and a transfer point, or those points as specified by the Department. Allowance to observe a portion of the total required fugitive emission points shall be obtained in writing from the Department.

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

Section E. Notification and Reporting Requirements

1. Standard Conditions Reporting

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

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

- d. Permanent discontinuance of construction, modification, relocation, or operation of the facility covered by this permit.

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

2. Deviations

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

(Auth.: HAR §11-60.1-3, §11-60.1-15, §11-60.1-16, §11-60.1-90)

3. Annual Emissions Reports

As required by Attachment IV, Annual Emissions Reporting Requirements, and in conjunction with the requirements of Attachment III, Annual Fee Requirements, the permittee shall report **annually** the total tons per year emitted of each regulated air pollutant, including hazardous air pollutants. The reporting of annual emissions is due within **sixty (60) days** following the end of each calendar year. The following enclosed form shall be used for reporting:

Annual Emissions Report Form: Crushing and Screening Plants

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

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

4. Monitoring Reports

The permittee shall submit **semi-annually** the following reports to the Department. The reports shall be submitted within **sixty (60) days** after the end of each semi-annual calendar period (January 1 - June 30 and July 1 - December 31), and shall be signed and dated by a responsible official. The following enclosed form shall be used for reporting:

Monitoring Report Form: Opacity Exceedances.

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

5. Performance Testing

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

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

6. Compliance Certification

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

- a. The identification of each term or condition of the permit that is the basis of the certification;
- b. The compliance status;
- c. Whether compliance was continuous or intermittent;
- d. The methods used for determining the compliance status of the source currently and over the reporting period;
- e. Any additional information indicating the source's compliance status with any applicable enhanced monitoring and compliance certification, including the requirements of Section 114(a)(3) of the Clean Air Act or any applicable monitoring and analysis provisions of Section 504(b) of the Clean Air Act;
- f. Brief description of any deviations including identifying as possible exceptions to compliance any periods during which compliance is required and in which the excursion or exceedances as defined in 40 CFR Part 64 occurred; and
- g. Any additional information as required by the Department, including information to determine compliance.

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

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

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

Section F. Testing Requirements

1. Initial and Annual Performance Testing

- a. Within **sixty (60) days** after achieving the maximum production rate at which the 250 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 250 TPH crushing plant to determine the opacity of emissions. Tests shall be conducted for each point subject to an opacity limit specified in Attachment II, Special Condition No. C.1.
- b. The permittee shall conduct or cause to be conducted an **annual** performance test on the 460 TPH crushing plant to determine the opacity of emissions. Tests shall be conducted for each point subject to an opacity limit specified in Attachment II, Special Condition No. C.1.
- c. The permittee shall conduct or cause to be conducted an annual performance test on the 300 TPH screening plant to determine the opacity of emissions. Tests shall be conducted for each point subject to an opacity limit specified in Attachment II, Special Condition No. C.1.
- d. The Department may require testing at other points in the facility or more frequent testing if an inspection indicates poor or insufficient controls.

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

2. Performance Test Methods

- a. Performance tests for the determination of opacity shall be conducted by a certified reader using Method 9 of 40 CFR Part 60, Appendix A-4, and the procedures in 40 CFR §60.11, with the following additions for the fugitive emissions observations:
 - i. The minimum distance between the observer and the emission source shall be 4.57 meters (fifteen (15) feet);
 - ii. The observer shall, when possible, select a position that minimizes interference from other fugitive emission sources. The required observer position relative to the sun (Method 9, Section 2.1) shall be followed; and
 - iii. The observer shall record the operating capacity (tons/hr) of the crushing plant at the time the observations were made.
- b. When determining compliance with the fugitive emissions standard of Attachment II, Special Condition No. C.1, the duration of Method 9 observations must be thirty (30) minutes (five (5) six-minute (6-minute) averages). Compliance with the applicable fugitive emission limits specified in Attachment II, Special Condition No. C.1, must be based on the average of the five (5) six-minute (6-minute) averages.

- c. When determining compliance with the fugitive emissions standard of Attachment II, Special Condition No. C.1, if emissions from two (2) or more facilities continuously interfere so that the opacity of fugitive emissions from an individual affected facility cannot be read, either of the following procedures may be used:
 - i. Use for the combined emission stream, the highest fugitive opacity standard applicable to any of the individual affected facilities contributing to the emissions stream; or
 - ii. Separate the emissions so that the opacity of emissions from each affected facility can be read.
- d. When determining compliance with the fugitive emissions standard of Attachment II, Special Condition No. C.1, a single VE observer may conduct VE observations for up to three (3) fugitive, stack, or vent emission points within a fifteen (15) second interval if the following conditions are met:
 - i. No more than three (3) emission points may be read concurrently;
 - ii. All three (3) emission points must be within a seventy (70) degree viewing sector or angle in front of the observer such that the proper sun position can be maintained for all three (3) points; and
 - iii. If an opacity reading for any one (1) of the three (3) emission points equals or exceeds the applicable standard, then the observer must stop taking readings for the other two (2) points and continue reading just that single point.
- e. If, after **thirty (30) days** notice for an initially scheduled performance test, there is a delay, for example, due to operational problems, in conducting any rescheduled performance test required by Section F, the permittee shall submit a notice to the Department at least **seven (7) days** prior to any rescheduled performance test.

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

3. Performance Test Expense and Monitoring

The performance tests shall be made at the expense of the permittee and shall be conducted at the maximum expected operating capacity of the crushing plant. 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 CSP shall be done in accordance with Attachment I, Standard Condition No. 28.

(Auth.: HAR §11-60.1-4, §11-60.1-90)

¹The 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.

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

**ATTACHMENT II – INSIG
SPECIAL CONDITIONS – INSIGNIFICANT ACTIVITIES
TEMPORARY COVERED SOURCE PERMIT NO. 0635-02-CT**

Issuance Date: DATE

Expiration Date: DATE

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

Section A. Equipment Description

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

(Auth.: HAR §11-60.1-3)

Section B. Operational Limitations

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

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

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

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

Section C. Monitoring and Recordkeeping Requirements

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

(Auth.: HAR §11-60.1-3, §11-60.1-90)

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

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

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Section D. Notification and Reporting

Compliance Certification

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

1. The identification of each term or condition of the permit that is the basis of the certification;
2. The compliance status;
3. Whether compliance was continuous or intermittent;
4. The methods used for determining the compliance status of the source currently and over the reporting period;
5. Any additional information indicating the source's compliance status with any applicable enhanced monitoring and compliance certification including the requirements of Section 114(a)(3) of the Clean Air Act or any applicable monitoring and analysis provisions of Section 504(b) of the Clean Air Act;
6. Brief description of any deviations including identifying as possible exceptions to compliance any periods during which compliance is required and in which the excursion or exceedances as defined in 40 CFR Part 64 occurred; and
7. Any additional information as required by the Department including information to determine compliance.

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

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

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

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

Section E. Agency Notification

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

(Auth.: HAR §11-60.1-4, §11-60.1-90)

**ATTACHMENT III: ANNUAL FEE REQUIREMENTS
TEMPORARY COVERED SOURCE PERMIT NO. 0635-02-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. 0635-02-CT**

Issuance Date: DATE

Expiration Date: DATE

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

1. Complete the attached form(s):

Annual Emissions Report Form: Crushing and Screening Plants

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

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

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

**COMPLIANCE CERTIFICATION FORM
TEMPORARY COVERED SOURCE PERMIT NO. 0635-02-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. 0635-02-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

<u>Permit term/condition</u> All standard conditions	<u>Equipment</u> All Equipment listed in the permit	<u>Compliance</u> <input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent
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B. Special Conditions - Monitoring, Recordkeeping, Reporting, Testing, and INSIG

<u>Permit term/condition</u> All monitoring conditions	<u>Equipment</u> All Equipment listed in the permit	<u>Compliance</u> <input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent
<u>Permit term/condition</u> All recordkeeping conditions	<u>Equipment</u> All Equipment listed in the permit	<u>Compliance</u> <input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent
<u>Permit term/condition</u> All reporting conditions	<u>Equipment</u> All Equipment listed in the permit	<u>Compliance</u> <input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent
<u>Permit term/condition</u> All testing conditions	<u>Equipment</u> All Equipment listed in the permit	<u>Compliance</u> <input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent
<u>Permit term/condition</u> All INSIG conditions	<u>Equipment</u> All Equipment listed in the permit	<u>Compliance</u> <input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent

**COMPLIANCE CERTIFICATION FORM
 TEMPORARY COVERED SOURCE PERMIT NO. 0635-02-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.

<u>Permit term/condition</u>	<u>Equipment</u>	<u>Method</u>	<u>Compliance</u>
		<input type="checkbox"/> monitoring <input type="checkbox"/> recordkeeping <input type="checkbox"/> reporting <input type="checkbox"/> testing <input type="checkbox"/> none of the above	<input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent
		<input type="checkbox"/> monitoring <input type="checkbox"/> recordkeeping <input type="checkbox"/> reporting <input type="checkbox"/> testing <input type="checkbox"/> none of the above	<input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent
		<input type="checkbox"/> monitoring <input type="checkbox"/> recordkeeping <input type="checkbox"/> reporting <input type="checkbox"/> testing <input type="checkbox"/> none of the above	<input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent
		<input type="checkbox"/> monitoring <input type="checkbox"/> recordkeeping <input type="checkbox"/> reporting <input type="checkbox"/> testing <input type="checkbox"/> none of the above	<input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent
		<input type="checkbox"/> monitoring <input type="checkbox"/> recordkeeping <input type="checkbox"/> reporting <input type="checkbox"/> testing <input type="checkbox"/> none of the above	<input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent
		<input type="checkbox"/> monitoring <input type="checkbox"/> recordkeeping <input type="checkbox"/> reporting <input type="checkbox"/> testing <input type="checkbox"/> none of the above	<input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent
		<input type="checkbox"/> monitoring <input type="checkbox"/> recordkeeping <input type="checkbox"/> reporting <input type="checkbox"/> testing <input type="checkbox"/> none of the above	<input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent
		<input type="checkbox"/> monitoring <input type="checkbox"/> recordkeeping <input type="checkbox"/> reporting <input type="checkbox"/> testing <input type="checkbox"/> none of the above	<input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent

(Make Additional Copies if Needed)

**COMPLIANCE CERTIFICATION FORM
 TEMPORARY COVERED SOURCE PERMIT NO. 0635-02-CT
 (CONTINUED, PAGE ___ OF ___)**

Issuance Date: DATE

Expiration Date: DATE

D. Deviations

<u>Permit Term/ Condition</u>	<u>Equipment / Brief Summary of Deviation</u>	<u>Deviation Period time (am/pm) & date (mo/day/yr)</u>	<u>Date of Written Deviation Report to DOH (mo/day/yr)</u>
		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. 0635-02-CT
(PAGE 1 OF 3)**

Issuance Date: DATE

Expiration Date: DATE

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

(Make Copies for Future Use)

1. For all location changes, the permittee shall complete and submit this change of location request form to the Department of Health for approval **at least thirty (30) days prior to the change in location**, or such lesser time as designated and approved by the Department of Health.
2. With each change of location request, the permittee shall submit to the Department of Health:
 - a. A map of the proposed new temporary location showing the property boundary, fence lines, location of the equipment on the property, and the location of any other air pollution sources owned and operated by the permittee at the new location; and
 - b. An area map showing the proposed new temporary location.
3. The permittee shall submit a filing fee with each change in location request. The filing fee shall be made payable to the **Clean Air Special Fund-COV** and is as follows:

Covered Sources

<u> X </u>	\$100.00 for Non-Air Toxic
<u> </u>	\$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**

-
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. 0635-02-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. 0635-02-CT
(CONTINUED, PAGE 3 OF 3)**

Issuance Date: DATE

Expiration Date: DATE

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

Distance	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): _____

**ANNUAL EMISSIONS REPORT FORM
CRUSHING AND SCREENING PLANTS
TEMPORARY COVERED SOURCE PERMIT NO. 0635-02-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			
460 TPH Extec Crusher			
250 TPH Screen Machine Cone Crusher			
300 TPH McCloskey Screener			
Conveyor Transfer			
Stockpiles			
Truck Loading			

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.

VISIBLE EMISSIONS FORM REQUIREMENTS
STATE OF HAWAII
TEMPORARY COVERED SOURCE PERMIT NO. 0635-02-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. Environmental Protection Agency (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 percent (5%) increments (e.g., 25%).
2. Orient the sun within a 140-degree sector to your back. Provide a source layout sketch on the VE Form using the symbols as shown.
3. For VE observations of stacks, stand at least three (3) stack heights but not more than a quarter mile from the stack.
4. For VE observations of fugitive emissions from crushing and screening plants, stand at least 4.57 meters (fifteen (15) feet) from the VE source, but not more than a quarter mile from the VE source.
5. Two (2) consecutive six-minute (6-minute) observations shall be taken at fifteen (15) second intervals for each stack or emission point.
6. The six-minute (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, 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. 0635-02-CT

Issuance Date: DATE Expiration Date: DATE

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

Company Name: _____

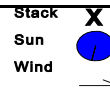
For stacks, describe equipment and fuel: _____

For fugitive emissions from crushers and screens, describe:

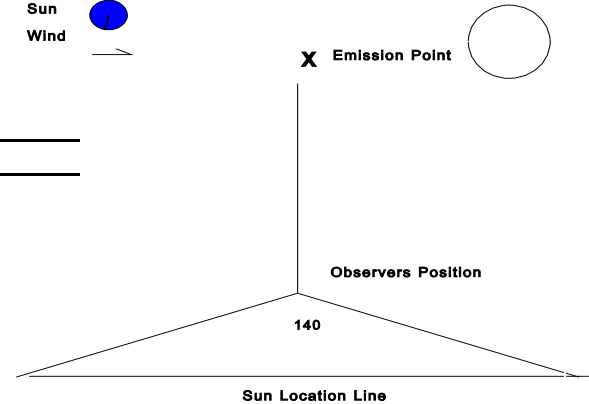
Fugitive emission point: _____

Plant Production (tons/hr): _____

(During observation)



Draw North Arrow



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 (EF): _____

Observer Name: _____

Certified? (Yes/No): _____

Observation Date and Start Time: _____

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

Observation Date and Start Time: _____

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

Draft Review Summary

**PERMIT APPLICATION REVIEW
TEMPORARY COVERED SOURCE PERMIT (CSP) No. 0635-02-CT
Application for Minor Modification No. 0635-05 and Renewal No. 0635-06**

Company: Mahukona Ranch, LLC

Mailing Address: P.O. Box 617
Kapaau, Hawaii 96755

Facility: 460 TPH Extec Jaw Crusher, 250 TPH Screen Machine Cone Crusher; and
300 TPH McCloskey 2-deck Screener.

Location: Various Temporary Sites, State of Hawaii

Current Location: 57-1809 Kohala Mountain Road, Hawi, Hawaii 96719
UTM: Q5; 202,015 m E, 2,235,408 m N (NAD-83)

SIC Code: 1442 (Construction Sand and Gravel)

Responsible Official: Mr. Frank Weyrick
Equipment Manager
(808) 640-1457

Contact: Mr. Frank Weyrick
Equipment Manager
P.O. Box 617
Kapaau, Hawaii 96755
(808) 640-1457

BACKGROUND

Mahukona Ranch, LLC, submitted a minor modification application for Temporary CSP No. 0635-02-CT on Oct 10, 2022, and a renewal application on August 11, 2023.

Currently, the permit includes:

- A 460 TPH crusher on tracks powered by an exempt 366 hp diesel engine (DE); and
- A 300 TPH 2-deck screener on tracks powered by an exempt 100 hp CAT DE.

Mahukona Ranch is proposing to add:

- A 250 TPH cone crusher on tracks powered by an exempt 350 hp CAT DE.

Water sprays will be used as necessary for controlling fugitive dust emissions. According to the permittee, the facility will process aggregate ninety-five percent (95%) of the time and only do fine screening occasionally.

The proposed modification to add the 250 TPH cone crusher on tracks is considered a minor modification.

"Minor modification" means a modification which:

- (1) Does not increase the emissions of any air pollutant above the permitted emission limits;
- (2) Does not result in or increase the emissions of any air pollutant not limited by permit to levels equal to or above:
 - (A) 500 pounds per year of a hazardous air pollutant, except lead;
 - (B) 300 pounds per year of lead;
 - (C) Twenty-five percent (25%) of significant amounts of emission as defined in Section 11-60.1-1, paragraph (1) in the definition of "significant"; or
 - (D) Two (2) tons per year of each regulated air pollutant not already identified above;
- (3) Does not violate any applicable requirement;
- (4) Does not involve significant changes to existing monitoring requirements or any relaxation or significant change to existing reporting or recordkeeping requirements in the permit. Any change to the existing monitoring, reporting, or recordkeeping requirements that reduces the enforceability of the permit is considered a significant change;
- (5) Does not require or change a case-by-case determination of an emission limitation or other standard, a source-specific determination for temporary sources of ambient impacts, or a visibility or increment analysis;
- (6) Does not seek to establish or change a permit term or condition for which there is no corresponding underlying applicable requirement, and that the source has assumed to avoid an applicable requirement to which the source would otherwise be subject. Such terms and conditions include:
 - (A) A federally enforceable emissions cap assumed to avoid classification as a modification pursuant to any provision of Title I of the Act or Subchapter 7; and
 - (B) An alternative emissions limit approved pursuant to regulations promulgated pursuant to Section 112(i)(5) of the Act or Subchapter 9; and
- (7) Is not a modification pursuant to any provision of Title I of the Act.

Addressing (2)(C) in the definition of minor modification above, emissions from the added 250 TPH cone crusher, which are considered potentially capturable fugitive emissions are less than twenty-five percent (25%) of the significant amount, see the Project Emissions Section of the review.

EQUIPMENT DESCRIPTION

- 460 TPH Extec, Model No. C-12 Jaw Crusher, Serial No. 9713 on tracks;
- 250 TPH Screen Machine, Model CST Cone, Cone Crusher, Serial No. CST-E AE3112 on tracks;
- 300 TPH McCloskey, Model No. S130 Screener, Serial No. 86871 on tracks;
- Various Conveyors; and
- Water Spray System.

Overview

Description	Subject to?	Appli-cable?	Reason	Manufacturer	Model No.	Serial No.	Mo/Yr Mfct.	Capa city	Units
Mobile Crusher	000	Yes	Crusher	Extec	C-12	9713	2006	460	TPH
Powering the crusher Exempt DE	IIII	No	Exempt	Deutz	BF6M1015C	9-160-319	2006	366	hp
Mobile Crusher	000	Yes	Crusher	Screen Machine	CST Cone	CST-E AE3112	2021	250	TPH
Powering the crusher Exempt DE	IIII	No	Exempt	CAT	C-9 ACERT			350	hp
2-Deck Screener (14x5)	000	Yes	Screener	McCloskey	S130	86871	2017	300	TPH
Powering the Screener Exempt DE	IIII	No	Exempt	CAT	3054 C DIT (Tier II)	JKT01732	2017	100	hp
Conveyors									
Water Spray System									

AIR POLLUTION CONTROLS

Water sprays are proposed to control fugitive dust near the equipment and work site.

- The 460 TPH Extec crusher has a built-in water spray system.
- The 250 TPH Screen Machine crusher and the 300 Screen Machine screener do not have built-in water sprays and rely on moisture being carried over from the jaw crusher.
- The facility also uses a water truck and hoses at the facility for the control of fugitive dust emissions around the facility.

APPLICABLE REQUIREMENTS

Hawaii Administrative Rules (HAR)

Title 11 Chapter 59, Ambient Air Quality Standards

Title 11 Chapter 60.1, Air Pollution Control

Subchapter 1, General Requirements

Subchapter 2, General Prohibitions

11-60.1-31, Applicability

11-60.1-32, Visible Emissions

11-60.1-33, Fugitive Dust

Subchapter 5, Covered Sources

Subchapter 6, Fees for Covered Sources, Noncovered Sources, and Agricultural Burning

11-60.1-111, Definitions

11-60.1-117, General Fee Provisions for Covered Sources

11-60.1-118, Application Fees for Covered Sources

11-60.1-119, Annual Fees for Covered Sources

Subchapter 8, Standards of Performance for Stationary Sources

Subchapter 9, Hazardous Air Pollutant Sources

Subchapter 10, Field Citations

Best Available Control Technology (BACT)

This facility is not subject to a BACT analysis. BACT is only applicable to 1) new emission sources, or 2) existing emission sources with proposed modifications that result in a net emission increase equal to or greater than the “significant” emission levels defined in HAR §11-60.1-1.

This is an existing facility proposing to add a 250 TPH cone crusher. Emissions from the 250 TPH crusher are considered potentially capturable and are less than the significant level.

Although not subject to a BACT analysis, the permit requires the use of wet suppression, water hoses, etc. to minimize fugitive dust emissions from the facility.

Prevention of Significant Deterioration (PSD) - 40 Code of Federal Regulations (CFR) Part 52, §52.21

PSD does not apply. The facility is not a listed source in the definition of “major stationary source” of HAR §11-60.1-131 and potential emissions from the source are less than 250 tons per year, which is the trigger level for a non-listed source.

Air Emissions Reporting Requirements (AERR) - 40 CFR Part 51

Subpart A - AERR is not applicable because potential emissions are less than the AERR Trigger levels for Type B sources.

Pollutant	¹ Potentially Capturable Fugitive Emissions at 8,760 hrs/yr (TPY)	AERR Trigger Level for Type B Sources (TPY)
CO	0.00	≥1000
NO _x	0.00	≥100
SO ₂	0.00	≥100
PM ₁₀	2.4	≥100
PM _{2.5}	0.28	≥100
VOC	0.00	≥100
Lead	0.00	≥0.5 (actual)

¹Emissions from the two (2) crushers are considered potentially capturable.

Standard of Performance for New Stationary Sources (NSPS), 40 CFR Part 60

Subpart OOO – Standards of Performance for Nonmetallic Mineral Processing Plants is applicable to the crushing and screening plant. The jaw crusher was manufactured in 2006, the cone crusher was manufactured in 2021, and the screener was manufactured in 2017.

National Emission Standards for Hazardous Air Pollutants (NESHAP), 40 CFR Part 61

This source is not subject to NESHAP as there are no standards in 40 CFR Part 61 applicable to this facility.

INSIGNIFICANT ACTIVITIES / EXEMPTIONS

The following DEs are exempt pursuant to HAR §11-60.1-82(d)(4) because the DEs propel the equipment:

- The 366 hp Deutz DE powering the 460 TPH Extec Jaw Crusher;
- The 350 hp CAT DE powering the 250 TPH Screen Machine Cone Crusher; and
- The 100 hp CAT DE powering the McCloskey screener.

HAR §11-60.1-82(d)(4) exempts Internal combustion engines propelling mobile sources such as automobiles, trucks, cranes, forklifts, front-end loaders, graders, trains, helicopters, and airplanes. The DEs are nonroad engines. Emissions from nonroad engines are not included in major source determinations.

ALTERNATIVE OPERATING SCENARIOS

None.

PROJECT EMISSIONS

According to the permittee, the facility will crush and screen aggregate ninety-five percent (95%) of the time and only do fines screening occasionally. Past records indicate the facility’s crusher produces around 3,250 tons of fines per year, and according to the permittee, the maximum amount of fines screened is approximately 2,000 tons/yr.

Cone crusher emissions are conservatively based on the AP-42 fines crushing emission factor and assumes the cone crusher produces only fines. Screening emissions conservatively assumes fines screening make up twenty-five percent (25%) of all screened materials. Details of the emission calculations are included in the attached excel file.

Table below shows the total particulate emissions:

Total Facility Emissions based on 8,760 hours/year						
Pollutant	Wind Erosion	Unpaved Road	Storage Piles	Aggregate Processing Operation ¹	Potentially Capturable Emissions ²	Total Facility Emissions ³
	(TPY)	(TPY)	(TPY)	(TPY)		(TPY)
PM	0.13	27.32	17.14	41.28	5.71	85.87
PM₁₀	0.06	6.68	8.11	11.57	2.40	26.42
PM_{2.5}	0.01	0.67	1.23	5.15	0.28	7.06

¹Includes emissions from crushing and screening.

²Includes crusher emissions only, which are considered potentially capturable fugitive emissions.

³Includes emissions from all activities, potentially capturable fugitive emissions and fugitive emissions not considered potentially capturable.

The tables below show particulate matter (PM) emissions from the crushing and screening plants:

PM	Capacity (ton/hour)	EF ¹ (lb/ton)	Emissions (lb/hr)	Emissions (TPY)
				8,760 hr/yr
Truck Unloading	460	3.14E-05	0.01	0.06
Primary Jaw Crusher	460	1.20E-03	0.55	2.42
Cone Crusher	250	3.00E-03	0.75	3.29
Screen (75% not fines)	225	2.20E-03	0.5	2.17
Screen (25% fines)	75	3.00E-01	6.75	29.57
Conveyor Transfer Points (12x)	460	1.40E-04	0.77	3.38
Truck Loading	460	1.96E-04	0.09	0.40
Total PM			9.42	41.28

PM ₁₀	Capacity (ton/hour)	EF (lb/ton)	Emissions (lb/hr)	Emissions (TPY)
				8,760 hr/yr
Truck Unloading	460	1.60E-05	0.01	0.03
Primary Jaw Crusher	460	5.40E-04	0.25	1.09
Cone Crusher	250	1.20E-03	0.30	1.31
Screen (75% not fines)	225	7.40E-04	0.17	0.73
Screen (25% fines)	75	7.20E-02	1.62	7.10
Conveyor Transfer Points (12x)	460	4.60E-05	0.25	1.11
Truck Loading	460	1.00E-04	0.05	0.20
Total PM ₁₀			2.64	11.57

PM _{2.5}	Capacity (ton/hour)	EF (lb/ton)	Emissions (lb/hr)	Emissions (TPY)
				8,760 hr/yr
Truck Unloading	460	4.71E-06	0.00	0.01
Primary Jaw Crusher	460	1.00E-04	0.05	0.20
Cone Crusher	250	7.00E-05	0.02	0.08
Screen (75% not fines)	225	5.00E-05	0.01	0.05
Screen (25% fines)	75	4.50E-02	1.01	4.43
Conveyor Transfer Points (12x)	460	1.30E-05	0.07	0.31
Truck Loading ³	460	2.94E-05	0.01	0.06
Total PM _{2.5}			1.17	5.15

Notes:

1. EFs (controlled/uncontrolled) from AP-42, Table 11.19.2-2
2. Fines screening: uncontrolled EF is used with a control efficiency of 70%
3. Assume PM₁₀ = 51% of PM and PM_{2.5} = 15% of PM when no data available (AP-42 Appendix B.2 (1/95))

Synthetic Minor Status

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 potentially capturable fugitive emissions from the facility operating at its maximum capacity for 8,760 hours per year are less than major source levels.

AIR QUALITY ASSESSMENT

The Department of Health generally does not require an Ambient Air Quality Impact Analysis (AAQIA) for fugitive emissions. Therefore, an AAQIA is not required for the added crusher. The DE propelling the crusher is exempt and not subject to an ambient air quality assessment.

SIGNIFICANT PERMIT CONDITIONS

1. Equipment must be moved once every five (5) years to comply with the temporary source requirements.
2. The crushers and Screener are subject to the requirements of 40CFR part 60, Subpart OOO which includes Fugitive Emission Limits:
 - a. The permittee shall not cause to be discharged into the atmosphere from the 460 TPH crushing plant, fugitive emissions which exhibit greater than fifteen percent (15%) opacity from the crusher and ten percent (10) opacity from any transfer point on the belt conveyors, screening operation or from any other affected facility.
 - b. The permittee shall not cause to be discharged into the atmosphere from the 250 TPH crushing plant, fugitive emissions which exhibit greater than twelve percent (12%) opacity from the crusher and seven percent (7%) opacity from any transfer point on the belt conveyors, screening operation or from any other affected facility.
 - c. The permittee shall not cause to be discharged into the atmosphere from the 300 TPH screening plant, fugitive emissions which exhibit greater than seven percent (7%) opacity from any transfer point on the belt conveyors, screening operation, or from any other affected facility.

CONCLUSION

Mahukona Ranch, LLC, submitted applications for a minor modification to add a crushing plant, and also a renewal application for Temporary CSP No. 0635-02-CT. Potential emissions are conservatively based on operation of the facility for 8,760 hours per year. Actual operating hours and emissions should be less than those calculated. The facility, if operated in accordance with the permit, shows compliance with the air regulations. Water sprays will be used to control fugitive dust. Recommend issuance of the temporary CSP, subject to the thirty (30) day public comment period and forty-five (45) day Environmental Protection Agency review.

November 1, 2023

**Application
and
Supporting Information**

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: MAHUKONA RANCH LLC
2. Facility Name (if different from the Company): _____
3. Mailing Address: POB 617
 City: KAPAAU State: HI Zip Code: 96755
 Phone Number: (808) 640-1457
4. Name of Owner/Owner's Agent: FRANK WEYRICK
 Title: EQUIPMENT MANAGER Phone: (808) 640-1457
 Mailing Address: POB 617
 City: KAPAAU State: HI Zip Code: 96755
5. Plant Site Manager/Other Contact: KEVIN ANDERSON
 Title: Miner / Operator Phone: (808) 430-4591
 Mailing Address: 57-1809 Kohala Mtn. Rd
 City: Hawi State: HI Zip Code: 96719
6. Permit Application Basis: (Check all applicable categories.)
 Initial Permit for a New Source Initial Permit for an Existing Source
 Renewal of Existing Permit General Permit
 Temporary Source Transfer of Permit
 Modification to a Covered Source: → Is Modification? Significant Minor Uncertain
 Modification to a Noncovered Source
7. If renewal or modification, include existing permit number: 0635-02-CT
8. Does the Proposed Source require a County Special Management Area Permit? Yes No
9. Type of Source (Check One): Covered Source Covered and PSD Source
 Noncovered Source Uncertain
10. Standard Industrial Classification Code (SICC), if known: 1429

11. Proposed Equipment/Plant Location (e.g. street address): Various - Hawaii;
 City: _____ State: HI Zip Code: _____
 UTM Coordinates (meters): East: 5Q 202015 mE North: 2235408 m N
 UTM Zone: 5Q UTM Horizontal Datum: Old Hawaiian NAD-27 NAD-83
12. General Nature of Business: Crush rock into usable aggregate
13. Date of Planned Commencement of Construction or Modification: 10/1/2022
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): WEYRICK (First): FRANK (MI): B.
 Title: EQUIPMENT MANAGER Phone: (808) 640-1457
 Mailing Address: POB 617
 City: KAPAAU State: HI Zip Code: 96755

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): FRANK WEYRICK
 (Signature): Frank Weyrick Date: 9/13/22

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 SIC 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 (SO₂), Volatile Organic Compounds (VOC), particulate matter (PM), and particulate less than 10 microns (PM₁₀). 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: Mahukona Ranch LLC

File No.: _____

Location: Hawaii; Island

Page 1 of 2

(Make as many copies of this page as necessary)

EMISSIONS UNITS TABLE

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

Stack No.	Unit No.	Equipment Name Description & SICC number	Equipment Date	Regulated/ Hazardous Air Pollutant Name & CAS#	AIR POLLUTANT EMISSION RATE		UTM		STACK SOURCE PARAMETERS						
					# HR	Tons/ YR	Zone: _____ a _____	Coordinates (mils)	Stack Height (mils)	Direction (u/d/h) ^b	Inside Diameter (mils)	Velocity (m/s)	Flow Rate (m ³ /s)	Temp. (°K)	Capped (Y/N)
S-1	U-1	3CC HP Deutz BFC M1015C Diesel engine SICC 1429	2006	SO ₂	127	1.9	East	202015 m	3.47	U	.152	62.4	1.14	713	Y
				NO _x	3.15	4.72	North	2235408 m							
				CO	.89	1.33	East								
				TSP	.08	.12	North								
				PM ₁₀	.08	.12	East								
				VOC	.08	.12	North								
				Acetaldehyde	1.9E-03	2.9E-03	East								
				Acrolein	2.3E-04	3.5E-04	North								
				Benzene	2.4E-03	3.6E-03	East								
				1,3-Butadiene	9.9E-05	1.5E-04	North								
Formaldehyde	3.0E-03	4.5E-03	East												
50-00-0	03	03	North												
Methane	2.2E	3.2E	East												
91203	04	04	North												

* 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

Company Name: Malukona Ranch LLC

File No.: _____

Location: Hawai'i Island

Page 2 of 2

(Make as many copies of this page as necessary)

EMISSIONS UNITS TABLE

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

Stack No.	Unit No.	Equipment Name, Description & SIC number	Equipment Date	Regulated/ Hazardous Air Pollutant Name & CAS#	#/HR	Tons/ YR	UTM		STACK SOURCE PARAMETERS								
							Zone: a	Horizontal Datum	Coordinates (mtrs)	Stack Height (mtrs)	Direction (udrh) ^b	Inside Diameter (mtrs)	Velocity (m/s)	Flow Rate (m ³ /s)	Temp. (°K)	Capped (Y/N)	
S 1	U1	3cc HP Deite BFLM15C Diesel Engine SIC 1429	2006	Xylenes 1330-20-7	7.33E+08	04	03	East	202015m	3.47	U	.152	62.4	1.14	773	Y	
								North	2235408m								
								East									
				Total All	42E+04	04		East									
				TSP	.23	2.06		North									
				PM ₁₀	.10	.95		East									
				PM _{2.5}	.02	.05		North									
	U2	60' Radial Stackers conveyors	2008	Fugitive PM				East									
	U3	McCloskey S130 mobile screeners	2017	Fugitive PM				North									
	U4	Screen Machine CST Cone crusher	2017	Fugitive PM				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

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.

All standard, monitoring, record keeping, reporting, testing conditions required by permit.
HAR § 11-60, 40 CFR, SIP § 11-60

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

The source(s) are in compliance and will continue to comply with all applicable requirements.

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

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:

<u>Applicable Requirement</u>	<u>Effective Date</u>	<u>Currently in Compliance?</u>
N/A		

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

<u>Description of Proposed Action/Steps to Achieve Compliance</u>	<u>Expected Date of Achieving Compliance</u>

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

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:

<u>Description of Remedial Action and Explanation</u>	<u>Expected Date of Completion</u>

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:

RESPONSIBLE OFFICIAL

(as defined in HAR §11-60.1-1)

Name (Last): WEYRICK (First): FRANK (MI): B

Title: Equipment Manager Phone: (808) 640-1457

Mailing Address: POB 617 Kapaau HI 96755

City: _____ State: _____ Zip Code: _____

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): Frank Weyrick

(Signature): Frank Weyrick Date: 9/30/22

Facility Name: Mahukona Ranch LLC

Location: Kukio Resort / Various

Permit Number: 0635-02-CT

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

MAHUKONA RANCH LLC
PO BOX 617
KAPA'AU, HI 96755

AUG 29 2023

POSTMARK

AUG 23 2023

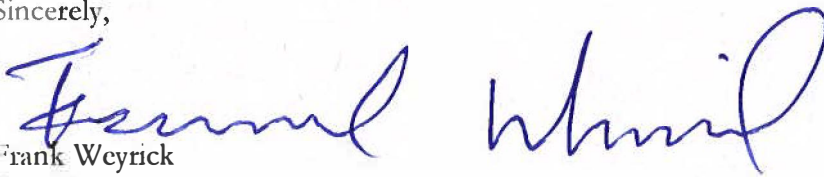
August 23th, 2023

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

Subject: Covered Source Permit (CSP) No. 0635-02-CI
Application for Permit Renewal Fee

Enclosed please find our check for \$400 for our permit renewal application.

Sincerely,



Frank Weyrick
Equipment Manager
Mahukona Ranch, LLC

MAHUKONA RANCH LLC
PO BOX 617
KAPA'AU, HI 96755

h
AUG 11 2023

POSTMARK
AUG 8 - 2023

August 7th, 2023

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

Manager
Enforcement Division, Air Section
US Environmental Protection Agency, Region 9
75 Hawthorne Street, ENF-2-1
San Francisco, CA 94105

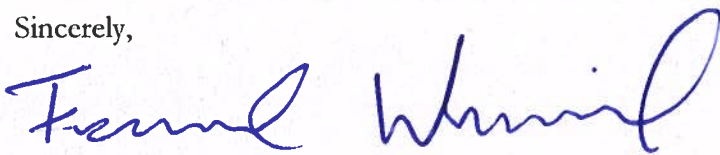
Subject: Covered Source Permit (CSP) No. 0635-02-CT
Application for Permit Renewal

Enclosed please find our permit renewal application.

No changes have been made in the design or operation of the sources other than the addition of the cone crusher in our previously submitted minor modification application.

Should you require further documentation, please contact our office.

Sincerely,



Frank Weyrick
Equipment Manager
Mahukona Ranch, LLC

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: Mahukona Ranch LLC
2. Facility Name (if different from the Company): _____
3. Mailing Address: POB 617
City: Kapaau State: HI Zip Code: 96755
Phone Number: (808)889-0581
4. Name of Owner/Owner's Agent: Frank Weyrick
Title: Equipment Manager Phone: (808)640-1457
Mailing Address: POB 617
City: Kapaau State: HI Zip Code: 96755
5. Plant Site Manager/Other Contact: John Metzler
Title: RME Phone: (808)889-0581
Mailing Address: POB 617
City: Kapaau State: HI Zip Code: 96755
6. Permit Application Basis: (Check all applicable categories.)
 Initial Permit for a New Source Initial Permit for an Existing Source
 Renewal of Existing Permit General Permit
 Temporary Source Transfer of Permit
 Modification to a Covered Source: → Is Modification? Significant Minor Uncertain
 Modification to a Noncovered Source
7. If renewal or modification, include existing permit number: 0635-02-CT
8. Does the Proposed Source require a County Special Management Area Permit? Yes No
9. Type of Source (Check One): Covered Source Covered and PSD Source
 Noncovered Source Uncertain
10. Standard Industrial Classification Code (SICC), if known: 1429

11. Proposed Equipment/Plant Location (e.g. street address): Various - Hawaii Island

City: _____ State: _____ Zip Code: _____

UTM Coordinates (meters): East: 202015 North: 2235408

UTM Zone: 5Q UTM Horizontal Datum: Old Hawaiian NAD-27 NAD-83

12. General Nature of Business: Crush rock into usable aggregate, screen topsoil for resale

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

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): Weyrick (First): Frank (MI): B.

Title: Equipment Manager Phone: (808)640-1457

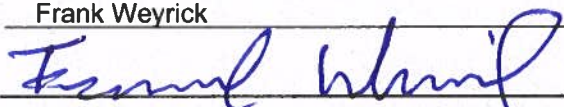
Mailing Address: POB 617

City: Kapaau State: HI Zip Code: 96755

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): Frank Weyrick

(Signature): 

Date: 8/4/23

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 (SO₂), Volatile Organic Compounds (VOC), particulate matter (PM), and particulate less than 10 microns (PM₁₀). 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: Mahukona Ranch
 Location: Hawaii Island

File No.: _____
 Page 1 of 1

(Make as many copies of this page as necessary)

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 EMISSION RATE		AIR POLLUTANT		AIR POLLUTANT EMISSION RATE		UTM Zone: _____ 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)	Direction (u/d/h) ^b	Stack Height (mtrs)	Inside Diameter (mtrs)	Velocity (m/s)	Flow Rate (m ³ /s)	Temp. (°K)	Capped (Y/N)		
S-1	U-1	366 HP Deutz BF6M1015C Diesel Engine SICC 1429	2006	SO2	1.27	1.90	East	U	3.47	0.152	62.4	1.14	773	N		
					3.15	4.72	North									
					0.89	1.33	East									
					0.08	0.12	North									
				NOX	0.08	0.12	East									
					0.08	0.12	North									
					0.08	0.12	East									
					0.08	0.12	North									
				CO	0.08	0.12	East									
					0.08	0.12	North									
					0.08	0.12	East									
					0.08	0.12	North									
				TSP	0.08	0.12	East									
					0.08	0.12	North									
					0.08	0.12	East									
					0.08	0.12	North									
				PM10	0.08	0.12	East									
					0.08	0.12	North									
					0.08	0.12	East									
					0.08	0.12	North									
				VOC	0.08	0.12	East									
					0.08	0.12	North									
					0.08	0.12	East									
					0.08	0.12	North									
				FUGITIVE PM EMISSIONS	0.08	0.12	East									
					0.08	0.12	North									
					0.08	0.12	East									
					0.08	0.12	North									
		McCLOSKEY S130 MOBILE SCREENER	2017	FUGITIVE PM EMISSIONS	0.08	0.12	East									
					0.08	0.12	North									
					0.08	0.12	East									
					0.08	0.12	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

S-3: Application for a Covered Source Permit Renewal

Each application for permit renewal shall be submitted to the Director of Health, (hereafter, Director) a minimum of **twelve months** prior to the date of permit expiration. In providing the required information, please 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) §11-60.1-101, the following information is required:**
- A. Statement certifying that no changes have been made in the design or operation of the source as proposed in the initial and any subsequent Covered Source Permit applications. If changes have occurred or are being proposed, the applicant shall provide a description of those changes such as work practices, operations, equipment design, and monitoring procedures, including the affected applicable requirements associated with the changes and the corresponding information to determine the applicability of all applicable requirements.
 - B. 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.
 - C. 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, 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.
 - D. 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.

- E. 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.
- F. Identify and describe current operational limitations or work practices that affect emissions of any regulated or hazardous air pollutant. Provide all calculations and assumptions.
- 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 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. Unless the Director requests additional information or notifies the applicant of incompleteness within sixty days of receipt of an application, the application shall be deemed complete.
- B. During the processing of an application that has been determined or deemed complete, if the Director determines that 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. As set forth in HAR §11-60.1-82, the covered source's ability to operate and the validity of the Covered Source Permit shall continue beyond the permit expiration date until the final permit is issued or denied, provided the applicant submits all additional information within the reasonable deadline specified by the Director.

VII. After receipt of a complete application, the Director, in writing, shall approve, conditionally approve, or deny an application:

- A. Within twelve months, **except** for applications for renewal for coverage under a covered source general permit. If the application for renewal has not been approved or denied within twelve months, the Covered Source Permit and all its terms and conditions shall remain in effect and not expire until the application for renewal has been approved or denied and provided the applicant has submitted any additional information within the reasonable deadline specified by the Director.
- B. Within six months for applications for renewal requesting coverage under a covered source general permit. If the application for renewal has not been approved or denied within six months, the coverage under the covered source general permit and all its terms and conditions shall remain

in effect and not expire until the application for renewal has been approved or denied and provided the applicant has submitted any additional information within the reasonable deadline specified by the Director.

- VIII. A Covered Source Permit renewal application shall be approved only if the Director determines that the operation of the covered source 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 renewal in accordance with HAR §11-60.1-99.**

- 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 for renewal and proposed Covered Source Permit shall be subject to EPA oversight in accordance with HAR §11-60.1-95.**

C-1: Compliance Plan

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

Use separate sheets of paper if necessary.

1. Compliance status with respect to all Applicable Requirements:

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

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

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

HAR 11-59

HAR 11-60

40 CFR 50

Provide a statement that the source is in compliance and will continue to comply with all such requirements.
TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE EXTEC MOBILE CRUSHER AND
McCLOSKEY MOBILE SCREENER ARE IN COMPLIANCE AND WILL MAINTAIN COMPLIANCE
WITH THE AFOREMENTIONED APPLICABLE REQUIREMENTS.

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

N/A

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

<u>Description of Remedial Action</u>	<u>Expected Date of Completion</u>
N/A	

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

<u>Applicable Requirement</u>	<u>Effective Date</u>	<u>Currently in Compliance?</u>
N/A		

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

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

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

N/A

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

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

2. Compliance Progress Reports:

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

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

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

<u>Remedial Action</u>	<u>Date Achieved</u>
N/A	

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

RESPONSIBLE OFFICIAL

(as defined in HAR §11-60.1-1)

Name (Last): WEYRICK (First): FRANK (MI): B

Title: EQUIPMENT MANAGER Phone: (808)640-1457

Mailing Address: POB 617

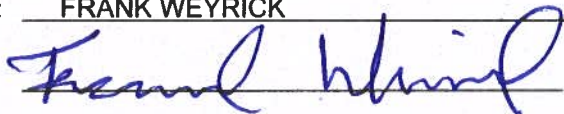
City: KAPAAU State: HI Zip Code: 96755

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): FRANK WEYRICK

(Signature):  Date: 8/7/23

Facility Name: MAHUKONA RANCH LLC

Location: VARIOUS - HAWAII ISLAND

Permit Number: 0635-02-CT

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

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): WEYRICK (First): FRANK (MI): B

Title: EQUIPMENT MANAGER Phone: (808)640-1457

Mailing Address: POB 617

City: KAPAAU State: HI Zip Code: 96755

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): FRANK WEYRICK

(Signature): _____ Date: 8/7/23

Facility Name: MAHUKONA RANCH LLC

Location: VARIOUS - HAWAII ISLAND

Permit Number: 0635-02-CT

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: ANNUALLY Beginning Date: 1/1/24

2. Emissions Unit No./Description: EXTEC MOBILE CRUSHER, McCLOSKEY MOBILE SCREENER

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

HAR 11-59
HAR 11-60
40 CFR 50

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:

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:

MONTHLY EMISSIONS READING WHEN OPERATING, YEARLY SOURCE PERFORMANCE
TESTING BY METHOD 9 CERTIFIED READER

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.):

USE METHOD 9 OPACITY READING TO DETERMINE COMPLIANCE WITH PERMIT
REQUIREMENTS FOR FUGITIVE DUST

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?

YES NO

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

N/A

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

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: Mahukona Ranch LLC
2. Facility Name (if different from the Company): _____
3. Mailing Address: POB 617
City: Kapaau State: HI Zip Code: 96755
Phone Number: (808)889-0581
4. Name of Owner/Owner's Agent: Frank Weyrick
Title: Equipment Manager Phone: (808)640-1457
Mailing Address: POB 617
City: Kapaau State: HI Zip Code: 96755
5. Plant Site Manager/Other Contact: John Metzler
Title: RME Phone: (808)889-0581
Mailing Address: POB 617
City: Kapaau State: HI Zip Code: 96755
6. Permit Application Basis: (Check all applicable categories.)
 Initial Permit for a New Source Initial Permit for an Existing Source
 Renewal of Existing Permit General Permit
 Temporary Source Transfer of Permit
 Modification to a Covered Source: → Is Modification? Significant Minor Uncertain
 Modification to a Noncovered Source
7. If renewal or modification, include existing permit number: 0635-02-CT
8. Does the Proposed Source require a County Special Management Area Permit? Yes No
9. Type of Source (Check One): Covered Source Covered and PSD Source
 Noncovered Source Uncertain
10. Standard Industrial Classification Code (SICC), if known: 1429

11. Proposed Equipment/Plant Location (e.g. street address): Various - Hawaii Island
 City: _____ State: _____ Zip Code: _____
 UTM Coordinates (meters): East: 202015 North: 2235408
 UTM Zone: 5Q UTM Horizontal Datum: Old Hawaiian NAD-27 NAD-83
12. General Nature of Business: Crush rock into usable aggregate, screen topsoil for resale
13. Date of Planned Commencement of Construction or Modification: renewal
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

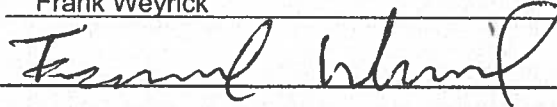
(as defined in HAR §11-60.1-1)

Name (Last): Weyrick (First): Frank (MI): B.
 Title: Equipment Manager Phone: (808)640-1457
 Mailing Address: POB 617
 City: Kapaau State: HI Zip Code: 96755

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): Frank Weyrick
 (Signature): 

Date: 8/4/23

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 SIC 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 (SO₂), Volatile Organic Compounds (VOC), particulate matter (PM), and particulate less than 10 microns (PM₁₀). 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: Mahukona Ranch
 Location: Hawaii Island

File No.: _____
 Page 1 of 1

(Make as many copies of this page as necessary)

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				STACK SOURCE PARAMETERS											
Stack No.	Unit No.	Equipment Name/ Description & SICC number	Equipment Date	AIR POLLUTANT Regulated, Hazardous Air Pollutant Name & CAS#	AIR POLLUTANT EMISSION RATE		UTM Zone: _____ Horizontal Datum ^a :		Stack Height (mtrs)	Direction (u/d/h) ^b	Inside Diameter (mtrs)	Velocity (m/s)	Flow Rate (m ³ /s)	Temp. (°K)	Capped (Y/N)
					# / HR	Tons/ YR	East	North							
S-1	U-1	366 HP Deutz BF6M1015C Diesel Engine SICC 1429	2006	SO2	1.27	1.90	202015	2235408	3.47	U	0.152	62.4	1.14	773	N
				NOx	3.15	4.72									
				CO	0.89	1.33									
				TSP	0.08	0.12									
				PM10	0.08	0.12									
				VOC	0.08	0.12									
				FUGITIVE PM EMISSIONS											
U-2		McCLOSKEY S130 MOBILE SCREENER	2017	FUGITIVE PM EMISSIONS											

^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

S-3: Application for a Covered Source Permit Renewal

Each application for permit renewal shall be submitted to the Director of Health, (hereafter, Director) a minimum of **twelve months** prior to the date of permit expiration. In providing the required information, please 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) §11-60.1-101, the following information is required:**
- A. Statement certifying that no changes have been made in the design or operation of the source as proposed in the initial and any subsequent Covered Source Permit applications. If changes have occurred or are being proposed, the applicant shall provide a description of those changes such as work practices, operations, equipment design, and monitoring procedures, including the affected applicable requirements associated with the changes and the corresponding information to determine the applicability of all applicable requirements.
 - B. 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.
 - C. 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, 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.
 - D. 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.

- E. 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.
- F. Identify and describe current operational limitations or work practices that affect emissions of any regulated or hazardous air pollutant. Provide all calculations and assumptions.
- 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 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. Unless the Director requests additional information or notifies the applicant of incompleteness within sixty days of receipt of an application, the application shall be deemed complete.
- B. During the processing of an application that has been determined or deemed complete, if the Director determines that 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. As set forth in HAR §11-60.1-82, the covered source's ability to operate and the validity of the Covered Source Permit shall continue beyond the permit expiration date until the final permit is issued or denied, provided the applicant submits all additional information within the reasonable deadline specified by the Director.

VII. After receipt of a complete application, the Director, in writing, shall approve, conditionally approve, or deny an application:

- A. Within twelve months, **except** for applications for renewal for coverage under a covered source general permit. If the application for renewal has not been approved or denied within twelve months, the Covered Source Permit and all its terms and conditions shall remain in effect and not expire until the application for renewal has been approved or denied and provided the applicant has submitted any additional information within the reasonable deadline specified by the Director.
- B. Within six months for applications for renewal requesting coverage under a covered source general permit. If the application for renewal has not been approved or denied within six months, the coverage under the covered source general permit and all its terms and conditions shall remain

in effect and not expire until the application for renewal has been approved or denied and provided the applicant has submitted any additional information within the reasonable deadline specified by the Director.

- VIII. A Covered Source Permit renewal application shall be approved only if the Director determines that the operation of the covered source 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 renewal in accordance with HAR §11-60.1-99.**

- 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 for renewal and proposed Covered Source Permit shall be subject to EPA oversight in accordance with HAR §11-60.1-95.**

C-1: Compliance Plan

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

Use separate sheets of paper if necessary.

1. Compliance status with respect to all Applicable Requirements:

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

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

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

HAR 11-59

HAR 11-60

40 CFR 50

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

TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE EXTEC MOBILE CRUSHER AND
McCLOSKEY MOBILE SCREENER ARE IN COMPLIANCE AND WILL MAINTAIN COMPLIANCE
WITH THE AFOREMENTIONED APPLICABLE REQUIREMENTS.

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

N/A

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

<u>Description of Remedial Action</u>	<u>Expected Date of Completion</u>
N/A	

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

<u>Applicable Requirement</u>	<u>Effective Date</u>	<u>Currently in Compliance?</u>
N/A		

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

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

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

N/A

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

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

2. Compliance Progress Reports:

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

Frequency of Submittal: N/A
(less than or equal to 6 months)

Beginning Date: _____

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

<u>Remedial Action</u>	<u>Date Achieved</u>
<u>N/A</u>	

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

RESPONSIBLE OFFICIAL

(as defined in HAR §11-60.1-1)

Name (Last): WEYRICK (First): FRANK (MI): B

Title: EQUIPMENT MANAGER Phone: (808)640-1457

Mailing Address: POB 617

City: KAPAAU State: HI Zip Code: 96755

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): FRANK WEYRICK

(Signature): *Frank Weyrick* Date: 8/7/23

Facility Name: MAHUKONA RANCH LLC

Location: VARIOUS - HAWAII ISLAND

Permit Number: 0635-02-CT

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

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): WEYRICK (First): FRANK (MI): BTitle: EQUIPMENT MANAGER Phone: (808)640-1457Mailing Address: POB 617City: KAPAAU State: HI Zip Code: 96755**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): FRANK WEYRICK(Signature): _____ Date: 8/7/23Facility Name: MAHUKONA RANCH LLCLocation: VARIOUS - HAWAII ISLANDPermit Number: 0635-02-CT**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: ANNUALLY Beginning Date: 1/1/24

2. Emissions Unit No./Description: EXTEC MOBILE CRUSHER, McCLOSKEY MOBILE SCREENER

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

HAR 11-59
HAR 11-60
40 CFR 50

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:

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:

MONTHLY EMISSIONS READING WHEN OPERATING, YEARLY SOURCE PERFORMANCE
TESTING BY METHOD 9 CERTIFIED READER

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.):

USE METHOD 9 OPACITY READING TO DETERMINE COMPLIANCE WITH PERMIT
REQUIREMENTS FOR FUGITIVE DUST

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?

YES

NO

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

N/A

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

From: [Frank Weyrick](#)
To: [Lopez, Catherine](#)
Date: Thursday, November 2, 2023 9:46:58 AM

Yes, that is correct.

Get [Outlook for iOS](#)

From: Lopez, Catherine <catherine.lopez@doh.hawaii.gov>
Sent: Thursday, November 2, 2023 9:24:21 AM
To: Frank Weyrick <frank@metzlercontracting.com>
Subject: one more question

Hi Frank,
Sorry, one more question.
Are all of the equipment, the two crushers and the screen, track mounted?
Thank you,
Cathy

From: [Frank Weyrick](#)
To: [Lopez, Catherine](#)
Date: Monday, October 30, 2023 10:32:56 AM

Subject: Question about water sprays on the equipment

You don't often get email from catherine.lopez@doh.hawaii.gov. [Learn why this is important](#)

Hi Frank,

I am finishing up with the review of the air permit application and have a question for you about the water sprays being used at your facility.

Please let me know if the following equipment has water sprays built onto the unit themselves:

1. 460 TPH Extec, Model C-12 Jaw Crusher, Serial No. 9713 on tracks; **yes, this machine has a water spray system**
2. 250 TPH Screen Machine, Model CST Cone, Cone Crusher, Serial No. CST-E AE3112 on tracks; **NO, this machine relies on the initial wetting of the material in the jaw crusher (too wet and this machine will not work properly)**
3. 300 TPH McCloskey, Model S130 Screener, Serial No. 86871 on tracks. **NO, this machine relies on the initial wetting of the material in the jaw crusher (too wet and this machine will not work properly)**

Let me know if you have further questions.

Thanks,

Please let me know if you have any questions.

Thank you,

Cathy Lopez

808-382-7386

From: Cao, Liyuan <liyuan.cao@doh.hawaii.gov>
Sent: Friday, September 15, 2023 8:30 AM
To: Frank Weyrick <frank@metzlercontracting.com>
Cc: Lopez, Catherine <catherine.lopez@doh.hawaii.gov>
Subject: RE: Modification of Permit 0635-02-CT

Hi Frank,

I'm sorry to say this but today is my last day with Clean Air Branch. Moving forward, if you have any questions with your modification and renewal applications, please contact my supervisor Ms. Catherine Lopez catherine.lopez@doh.hawaii.gov directly.

Thanks for working with me on all your permit applications. Really appreciate all your help and support.

Wish you all the best.

Emma Cao
Environmental Engineer | Clean Air Branch
Hawaii State Department of Health
P: 808-586-4200

From: Frank Weyrick <frank@metzlercontracting.com>
Sent: Wednesday, August 23, 2023 8:47 AM
To: Cao, Liyuan <liyuan.cao@doh.hawaii.gov>
Subject: [EXTERNAL] RE: Modification of Permit 0635-02-CT

Here is the revised emissions units table.
I'll drop the \$400 check in the mail today.
Thanks for your patience.

Frank Weyrick
Equipment Manager
Mahukona Ranch LLC
frank@metzlercontracting.com
M (808)640-1457
W (808)329-7058

From: Cao, Liyuan <liyuan.cao@doh.hawaii.gov>
Sent: Monday, August 21, 2023 10:27 AM
To: Frank Weyrick <frank@metzlercontracting.com>
Subject: RE: Modification of Permit 0635-02-CT

No worries.
Please see attached for the copy of your renewal application.

Regards,
Emma

From: Frank Weyrick <frank@metzlercontracting.com>
Sent: Monday, August 21, 2023 10:22 AM
To: Cao, Liyuan <liyuan.cao@doh.hawaii.gov>
Subject: [EXTERNAL] RE: Modification of Permit 0635-02-CT

So this is a little embarrassing.., I was in such a rush to do this I forgot to make a copy for myself. Any

way you could scan the whole thing and send it to me?
Also, I can't believe I forgot to include a check..
My apologies!

Frank Weyrick
Equipment Manager
Metzler Contracting Co. LLC
frank@metzlercontracting.com
M (808)640-1457
W (808)329-7058

From: Cao, Liyuan <liyuan.cao@doh.hawaii.gov>
Sent: Monday, August 21, 2023 9:55 AM
To: Frank Weyrick <frank@metzlercontracting.com>
Subject: RE: Modification of Permit 0635-02-CT

Hi Frank,

We received your renewal application. But it's not complete.
We still need the following information:

1. In Form S-1, EMISSION UNITS TABLE, you should change the Equipment Name of Unit U-1 to the Extec Mobile Crusher, you can send a scanned copy of the updated Table to this email;
2. The renewal application fee is \$500, and you already paid \$100 for the minor modification, thus you still owe \$400 application fee. You can send us a check with the amount of \$400.

As we discussed earlier, I'll combine the minor mod and the renewal together and the new permit should be ready soon.

Mahalo and let me know if you have any questions.

Emma Cao
Environmental Engineer | Clean Air Branch
Hawaii State Department of Health
P: 808-586-4200

From: Frank Weyrick <frank@metzlercontracting.com>
Sent: Thursday, August 10, 2023 8:30 AM
To: Cao, Liyuan <liyuan.cao@doh.hawaii.gov>
Subject: [EXTERNAL] RE: Modification of Permit 0635-02-CT

Yes, should be there shortly

Frank Weyrick
Equipment Manager

Metzler Contracting Co. LLC
frank@metzlercontracting.com
M (808)640-1457
W (808)329-7058

From: Cao, Liyuan <liyuan.cao@doh.hawaii.gov>
Sent: Wednesday, August 9, 2023 1:27 PM
To: Frank Weyrick <frank@metzlercontracting.com>
Subject: RE: Modification of Permit 0635-02-CT

Hi Frank,

Did you get a chance to mail out the application?

Regards,
Emma

From: Frank Weyrick <frank@metzlercontracting.com>
Sent: Friday, August 4, 2023 10:13 AM
To: Cao, Liyuan <liyuan.cao@doh.hawaii.gov>
Subject: [EXTERNAL] RE: Modification of Permit 0635-02-CT

Yes, I will make sure of it. Thanks for the help

Frank Weyrick
Equipment Manager
Metzler Contracting Co. LLC
frank@metzlercontracting.com
M (808)640-1457
W (808)329-7058

From: Cao, Liyuan <liyuan.cao@doh.hawaii.gov>
Sent: Friday, August 4, 2023 9:50 AM
To: Frank Weyrick <frank@metzlercontracting.com>
Subject: RE: Modification of Permit 0635-02-CT

No, the renewal application has to be sent by mail because we need the ink signature from the responsible official. As long as the date from the USPS is on or before August 7, 2023, it should be fine.

Do you think you can mail it out by next Monday?

From: Frank Weyrick <frank@metzlercontracting.com>
Sent: Friday, August 4, 2023 9:42 AM
To: Cao, Liyuan <liyuan.cao@doh.hawaii.gov>
Subject: [EXTERNAL] RE: Modification of Permit 0635-02-CT

May I send the renewal application to you by email, or should I FedEx it?
Thanks for the heads up!

Frank Weyrick
Equipment Manager
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frank@metzlercontracting.com
M (808)640-1457
W (808)329-7058

From: Cao, Liyuan <liyuan.cao@doh.hawaii.gov>
Sent: Friday, August 4, 2023 9:32 AM
To: Frank Weyrick <frank@metzlercontracting.com>
Subject: RE: Modification of Permit 0635-02-CT

Hi Frank,

Thanks for the information.

My supervisor has reviewed my drafts and the new permit for the minor modification should be issued soon.

The expiration date for the new permit would still be the same with the old one, August 7, 2024. Since it's a covered source permit, you need to send in the renewal application one year before the expiration date, which is August 7, 2023, i.e. next Monday, according to HAR 11-60, 1-101 (b). So I would suggest you send in the renewal application next Monday if possible so I can combine the modification and the renew application together and issue them before mid-August. If you can't, you need to submit an extension request letter to us (you can do it through email) stating that you need an extra amount of time to send in the renewal application.

Feel free to call me if you have any questions.

Mahalo,

Emma Cao
Environmental Engineer | Clean Air Branch
Hawaii State Department of Health
P: 808-586-4200

From: Frank Weyrick <frank@metzlercontracting.com>

Sent: Friday, August 4, 2023 8:32 AM

To: Cao, Liyuan <liyuan.cao@doh.hawaii.gov>

Subject: [EXTERNAL] RE: Modification of Permit 0635-02-CT

No, the screener does not have a water spray system. When screening dirt the existing moisture in the dirt is plenty to keep the emissions at zero.

Anytime we have screened crushed rock directly out of our jaw crusher, the water spray system on the crusher provided the moisture needed to control the emissions.

Now that we have purchased our new cone crusher (I submitted the application to modify our permit to include this new machine months ago, but haven't received any confirmation yet), I don't foresee any need for the McCloskey Screener to do anything but screen dirt in Kohala.

Assuming our permit modification is approved, in the future any rock crushing we do will not include the McCloskey screener.

I will be sending a Source Performance Test plan shortly for the McCloskey Screener in Hawi while we screen dirt for resale.

For the Extec jaw crusher, I will be planning a round of crushing in Kukio sometime later this year for the purpose of conducting a Source Performance Test. The machine has been sitting idle for many months now, but we have a good stockpile of rocks to crush.

Let me know if I can assist in any other way. Thanks,

Frank Weyrick

Equipment Manager

Metzler Contracting Co. LLC

frank@metzlercontracting.com

M (808)640-1457

W (808)329-7058

From: Cao, Liyuan <liyuan.cao@doh.hawaii.gov>

Sent: Thursday, August 3, 2023 4:11 PM

To: Frank Weyrick <frank@metzlercontracting.com>

Subject: Modification of Permit 0635-02-CT

Hi Frank,

Hope all is well.

I have a question regarding the McCloskey Screener on this permit.
Does it have a built in water spray?

Regards,

Emma Cao

Environmental Engineer | Clean Air Branch

From: [Frank Weyrick](#)
To: [Cao, Liyuan](#)
Date: Monday, December 12, 2022 12:08:00 PM

2017 Cat ACERT C9 350HP
Serial # REH04493

Thanks,

Frank Weyrick
Equipment Manager
Metzler Contracting Co. LLC
frank@metzlercontracting.com
M (808)640-1457
W (808)329-7058

From: Cao, Liyuan <liyuan.cao@doh.hawaii.gov>
Sent: Monday, December 12, 2022 9:07 AM
To: Frank Weyrick <frank@metzlercontracting.com>
Subject: RE: New Crusher for permit 0635-01-CT

Hi Frank,

I need the information of the DEG powering the cone crusher.
What's the year, model number and serial number of the engine?

Regards,
Emma

From: Frank Weyrick <frank@metzlercontracting.com>
Sent: Monday, December 5, 2022 1:39 PM
To: Cao, Liyuan <liyuan.cao@doh.hawaii.gov>
Subject: [EXTERNAL] RE: New Crusher for permit 0635-01-CT

Model: CST Cone
Serial #: CST-E AE3112

Frank Weyrick
Equipment Manager
Metzler Contracting Co. LLC
frank@metzlercontracting.com
M (808)640-1457
W (808)329-7058

From: Cao, Liyuan <liyuan.cao@doh.hawaii.gov>
Sent: Monday, December 5, 2022 1:33 PM
To: Frank Weyrick <frank@metzlercontracting.com>
Subject: RE: New Crusher for permit 0635-01-CT

Hi Frank,

Thanks for the info.

What's the model number and serial number for the CST crusher?

Regards,
Emma

From: Frank Weyrick <frank@metzlercontracting.com>
Sent: Monday, December 5, 2022 11:40 AM
To: Cao, Liyuan <liyuan.cao@doh.hawaii.gov>
Subject: [EXTERNAL] RE: New Crusher for permit 0635-01-CT

Sorry for the delay, and happy holidays!

This is some info they sent me and what I based the 250TPH rating on. It is in the CST column.

Thanks,

Frank Weyrick
Equipment Manager
Metzler Contracting Co. LLC
frank@metzlercontracting.com
M (808)640-1457
W (808)329-7058

From: Cao, Liyuan <liyuan.cao@doh.hawaii.gov>
Sent: Tuesday, November 29, 2022 1:56 PM
To: Frank Weyrick <frank@metzlercontracting.com>
Subject: RE: New Crusher for permit 0635-01-CT

Hi Frank,

Did the manufacturer send you any supporting documents for the 250 TPH working capacity?

Regards,

Emma Cao

Environmental Engineer | Clean Air Branch
Hawaii State Department of Health
P: 808-586-4200

From: Frank Weyrick <frank@metzlercontracting.com>
Sent: Monday, September 12, 2022 9:39 AM
To: Cao, Liyuan <liyuan.cao@doh.hawaii.gov>
Subject: [EXTERNAL] RE: New Crusher for permit 0635-01-CT

I spoke to product support at the manufacturer, and they verbally told me the TPH of this machine is 150-250, depending on the source aggregate size and the output size setting.
I'm assuming we can use 250 TPH in the permit..
I've asked them to email me any literature or information supporting this..
I couldn't find it in any of the information I have either.
Thanks for your help,

Frank Weyrick
Equipment Manager
Metzler Contracting Co. LLC
frank@metzlercontracting.com
M (808)640-1457
W (808)329-7058

From: Cao, Liyuan <liyuan.cao@doh.hawaii.gov>
Sent: Friday, September 9, 2022 2:56 PM
To: Frank Weyrick <frank@metzlercontracting.com>
Subject: RE: New Crusher for permit 0635-01-CT

Hi Frank,

Thanks for contacting us regarding your new crusher.
What's the maximum working capacity for this new crusher, in tons per hour?
I couldn't find it in the manual sheet.

The next step would be submitting a permit modification application to Clean Air Branch.
Fill out the form of **Minor Modification to a Covered Source**, which you can find at
<https://health.hawaii.gov/cab/permit-application-forms/>
The application fee would be \$100.

Let me know if you have any questions.

Best,
Emma

From: Frank Weyrick <frank@metzlercontracting.com>
Sent: Friday, September 9, 2022 9:00 AM
To: Cao, Liyuan <liyuan.cao@doh.hawaii.gov>
Subject: [EXTERNAL] RE: New Crusher for permit 0635-01-CT

Thanks for taking my call yesterday.

Here is some information on the new cone crusher we purchased.

It is designed to be a secondary crusher used in conjunction with our Extec C-12 primary unit. The hopper is sloped to allow the primary crusher main conveyor to feed directly into it.

Max size rocks accepted is 7", but we will just be feeding 4" minus into it. It recirculates the material until it all is reduced to the desired size (for us it will be ¾" basecourse mostly) and there is no byproduct or waste.

It is actually a 2021 unit but brand new purchased at an auction on the mainland. It has a Cat ACERT C9 350HP industrial engine.

Please let me know what I need to do to proceed. I think my next step is to fill out the S-1 form and Emissions Units Table.

Thanks for any help on this!

Frank Weyrick
Equipment Manager
Mahukona Ranch LLC
frank@metzlercontracting.com
M (808)640-1457
W (808)329-7058

From: Cao, Liyuan <liyuan.cao@doh.hawaii.gov>
Sent: Thursday, September 8, 2022 1:26 PM
To: Frank Weyrick <frank@metzlercontracting.com>
Subject: New Crusher for permit 0635-01-CT

Hi Frank,

Thanks for calling us regarding your new crusher.
You can send the information to this email.

Mahalo,
Emma Cao
Environmental Engineer | Clean Air Branch
Hawaii State Department of Health
P: 808-586-4200