

ADMINISTRATIVE RECORD

Pineridge Farms, Inc.

Application for Permit Renewal No. 0613-02
with Significant Modification No. 0613-03

Located At: Various Temporary Sites, State of Hawaii

CSP No. 0613-01-CT

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Public Notice

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

(Docket No. 21-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. 0613-01-CT

Application for a Permit Renewal No. 0613-02 with Significant Modification No. 0613-03
Pineridge Farms, Inc.

280 TPH Crushing Plant and 551 TPH Screening Plant

Located At: Various Temporary Sites, State of Hawaii

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

The issuance of Temporary CSP No. 0613-01-CT will grant conditional approval for the operation of a 280 TPH mobile crushing plant and 551 TPH screening plant. Water suppression will be used as necessary to minimize fugitive emissions from stone processing operations. The crusher and screen are subject to 40 Code of Federal Regulations (CFR), Subpart OOO, Standards of Performance for Nonmetallic Mineral Processing Plants.

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

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

All comments on the draft permit and any request for a public hearing must be in writing, addressed to the Clean Air Branch at the above address and must be postmarked or received by **February 16, 2021**.

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

Interested persons may obtain copies of the administrative record or parts thereof at a copying cost of five (5) cents per page. Please send written requests to the Clean Air Branch listed above or call Mr. Evan Fujimoto at the Clean Air Branch at (808) 586-4200.

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

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

Elizabeth A. Char, M.D.
Director of Health

Draft Permit

DRAFT

CERTIFIED MAIL
RETURN RECEIPT REQUESTED
(XXXX XXXX XXXX XXXX XXXX)

21-xxxE CAB
File No. 0613

DATE

Ms. Georgette Silva
President
Pineridge Farms, Inc.
855 Umi Street
Honolulu, Hawaii 96819

Dear Ms. Silva:

**Subject: Temporary Covered Source Permit (CSP) No. 0613-01-CT
Application for Permit Renewal No. 0613-02 with Significant Modification
No. 0613-03
Pineridge Farms, Inc.
280 TPH Crushing Plant and 551 TPH Screening Plant
Located At: Various Temporary Sites, State of Hawaii
Date of Expiration: DATE**

The subject temporary CSP is issued in accordance with Hawaii Administrative Rules (HAR), Title 11, Chapter 60.1. The issuance of this permit is based on the plans and specifications that you submitted as part of your renewal application received on February 10, 2010, and significant modification application received on June 19, 2014. A receipt for the application filing fee of five hundred dollars (\$500.00) was previously sent to you. This permit supersedes Temporary CSP No. 0613-01-CT issued on March 9, 2006, and Temporary Noncovered Source Permit No. 0763-01-NT issued on March 23, 2012, in their entirety.

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

Ms. Georgette Silva
DATE
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The following forms are enclosed for your use and submittal as required:

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

The following are enclosed for your use in monitoring visible emissions (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 Mr. Evan Fujimoto of the Clean Air Branch at (808) 586-4200.

Sincerely,

_____, P.E., ACTING CHIEF
Environmental Management Division

EF:tkg

Enclosures

**ATTACHMENT I: STANDARD CONDITIONS
TEMPORARY COVERED SOURCE PERMIT NO. 0613-01-CT**

Issuance Date: DATE

Expiration Date: DATE

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

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

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

(Auth.: HAR §11-60.1-6; SIP §11-60-11)²
3. This permit is not transferable whether by operation of law or otherwise, from person to person, from place to place, or from one piece of equipment to another without the approval of the Department, except as provided in HAR, Section 11-60.1-91.

(Auth.: HAR §11-60.1-7; SIP §11-60-9)²
4. A request for transfer from person to person shall be made on forms furnished by the Department.

(Auth.: HAR §11-60.1-7)
5. In the event of any changes in control or ownership of the facilities to be constructed or modified, this permit shall be binding on all subsequent owners and operators. The permittee shall notify the succeeding owner and operator of the existence of this permit and its conditions by letter, copies of which will be forwarded to the Department and the U.S. Environmental Protection Agency (EPA), Region 9.

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

(Auth.: HAR §11-60.1-2, §11-60.1-4, §11-60.1-82, §11-60.1-84, §11-60.1-90)
7. This permit (a) does not release the permittee from compliance with other applicable statutes of the State of Hawaii, or with applicable local laws, regulations, or ordinances, and (b) shall not constitute, nor be construed to be an approval of the design of the covered source.

(Auth.: HAR §11-60.1-5, §11-60.1-82)

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

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

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

(Auth.: HAR §11-60.1-90)

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

(Auth.: HAR §11-60.1-90)

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

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

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

(Auth.: HAR §11-60.1-90)

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

(Auth.: HAR §11-60.1-90)

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

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

c. The **actual date of start-up** within fifteen (15) days after such date.

(Auth.: HAR §11-60.1-90)

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

(Auth.: HAR §11-60.1-14, §11-60.1-90)

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

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

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

17. **Except for emergencies which result in noncompliance with any technology-based emission limitation in accordance with HAR, Section 11-60.1-16.5, in the event any emission unit, air pollution control equipment, or related equipment malfunctions or breaks down in such a manner as to cause the emission of air pollutants in violation of HAR, Chapter 11-60.1, or this permit**, the permittee shall immediately notify the Department of the malfunction or breakdown, unless the protection of personnel or public health or safety demands immediate attention to the malfunction or breakdown and makes such notification infeasible. In the latter case, the notice shall be provided as soon as practicable. Within five (5) working days of this initial notification, the permittee shall also submit, in writing, the following information:

- a. Identification of each affected emission point and each emission limit exceeded;
- b. Magnitude of each excess emission;
- c. Time and duration of each excess emission;

- d. Identity of the process or control equipment causing the excess emission;
- e. Cause and nature of each excess emission;
- f. Description of the steps taken to remedy the situation, prevent a recurrence, limit the excessive emissions, and assure that the malfunction or breakdown does not interfere with the attainment and maintenance of the National Ambient Air Quality Standards and State Ambient Air Quality Standards;
- g. Documentation that the equipment or process was at all times maintained and operated in a manner consistent with good practice for minimizing emissions; and
- h. A statement that the excess emissions are not part of a recurring pattern indicative of inadequate design, operation, or maintenance.

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

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

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

(Auth.: HAR §11-60.1-14, §11-60.1-90)

19. This permit shall become invalid with respect to the authorized construction if construction is not commenced as follows:

- a. Within eighteen (18) months after the permit takes effect, is discontinued for a period of eighteen (18) months or more, or is not completed within a reasonable time.
- b. For phased construction projects, each phase shall commence construction within eighteen (18) months of the projected and approved commencement dates in the permit. This provision shall be applicable only if the projected and approved commencement dates of each construction phase are defined in Attachment II, Special Conditions, of this permit.

(Auth.: HAR §11-60.1-9, §11-60.1-90)

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

(Auth.: HAR §11-60.1-9, §11-60.1-90)

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

(Auth.: HAR §11-60.1-90)

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

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

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

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

(Auth.: HAR §11-60.1-11, §11-60.1-90)

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

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

25. Each permit renewal application shall be submitted to the Department and the U.S. EPA, Region 9, no less than twelve (12) months and no more than eighteen (18) months prior to the permit expiration date. The Director may allow a permit renewal application to be submitted no less than six (6) months prior to the permit expiration date, if the Director determines that there is reasonable justification.

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

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

(Auth.: HAR §11-60.1-93)

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

(Auth.: HAR §11-60.1-90)

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

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

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

**Manager
Enforcement Division, Air Section
U.S. Environment Protection Agency, Region 9
75 Hawthorne Street, ENF-2-1
San Francisco, CA 94105**

(Auth.: HAR §11-60.1-4, §11-60.1-90)

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

(Auth.: HAR §11-60.1-5, §11-60.1-90)

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. 0613-01-CT**

Issuance Date: DATE

Expiration Date: DATE

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

Section A. Equipment Description

1. This permit encompasses the following equipment and associated appurtenances:
 - a. 280 TPH BL Pegson impact crusher, Model No. 4242SR, Serial No. 420125BLSR;
 - b. 551 TPH Powerscreen 2-deck screen, Model No. Chieftain 2100, Serial No. PID00124EDGB11925;
 - c. Various conveyors; and
 - d. Water spray system.

(Auth.: HAR §11-60.1-3)
2. An identification tag or name plate shall be displayed on the equipment listed above to show model number, serial number, and manufacturer. The identification tag or name plate shall be permanently attached to the equipment at a conspicuous location.

(Auth.: HAR §11-60.1-5, §11-60.1-90)

Section B. Applicable Federal Regulations

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

(Auth.: HAR §11-60.1-3, §11-60.1-90, §11-60.1-161; 40 CFR §60.1, §60.670)¹
2. The permittee shall comply with all of the applicable provisions of these standards, including all emission limits, notification, testing, monitoring, and reporting requirements. The major requirements of these standards are detailed in the Special Conditions of this permit.

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

Section C. Operational and Emission Limitations

1. Fugitive Emission Limits

- a. The permittee shall not cause to be discharged into the atmosphere from the 280 TPH crushing plant, fugitive emissions which exhibit greater than fifteen (15) percent opacity from the crusher and ten (10) percent opacity from any transfer point on the belt conveyors, screening operation, or from any other affected facility.
- b. The permittee shall not cause to be discharged into the atmosphere from the 551 TPH screening plant, fugitive emissions which exhibit greater than seven (7) percent 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 Dust

- a. The permittee shall not cause or permit fugitive dust to become airborne without taking reasonable precautions and shall not cause or permit the discharge of VE of fugitive dust beyond the lot line of the property boundary on which the emissions originate.
- b. The permittee shall take measures to control and minimize fugitive dust (e.g., wet suppression, enclosures, dust screens, etc.) at all material transfer points, stockpiles, plant roads, loading and unloading operations, and throughout the facility. The Department may at any time require the permittee to further abate fugitive dust emissions if an inspection indicates poor or insufficient control.
- c. 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. Moving within a single property is not considered a location change.
- b. Location changes of the equipment shall be in accordance with Attachment II, Section G. For each change in location, the Department reserves the right to impose additional operational controls and restrictions if a site evaluation indicates the controls and/or restrictions are necessary.

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

Section D. Monitoring and Recordkeeping Requirements

1. Records

All records, including support information, shall be maintained for at least five (5) years from the date of the monitoring sample, measurement, test, report, or application. Support information includes all maintenance, inspection, and repair records, and copies of all reports required by this permit. These records shall be true, accurate, and maintained in a permanent form suitable for inspection and made available to the Department or its representative(s) upon request.

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

2. Production

The permittee shall maintain records on the total tons of material processed by the crushing 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 System

- a. A water pressure gauge and/or flow meter shall be installed, operated, and maintained to measure the pressure and/or flow rate of the water spray systems in psi and/or gallons per minute (gal/min).

- b. The water spray systems, to include the water pump, piping system, spray nozzles, and any gauges (i.e., water pressure, water flow meter, etc.) shall be inspected routinely at least once per month to ensure proper operation of the water spray systems. Inspections of the water spray system shall be recorded in the Inspection, Maintenance, and Repair Log of Attachment II, Special Condition No. D.4.

(Auth.: HAR §11-60.1-3, §11-60.1-5, §11-60.1-90, §11-60.1-161; 40 CFR §11-60.674)¹

4. Inspection, Maintenance, and Repair Log

An inspection, maintenance, and repair log shall be maintained for the equipment covered under this permit. Inspection and replacement of parts and repairs shall be well documented. At a minimum, the following records shall be maintained:

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

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

5. Performance Test

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

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

6. Visible Emissions

Except in those months when performance tests are conducted for fugitive emissions pursuant to Attachment II, Section F, the permittee shall conduct **monthly** (calendar month), VE observations for the crushing 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. For each month, two (2) consecutive six (6) minute observations shall be taken at fifteen (15) second intervals for each emission point subject to an opacity limit. Records shall be completed and maintained in accordance with the *Visible Emissions Form Requirements*. For the VE observations of fugitive emissions, the observer shall comply with the following additional requirements:

- a. The minimum distance between the observer and the emission source shall be 4.57 meters (fifteen (15) feet), but not greater than 402 meters (0.25 miles);
- b. The observer shall, when possible, select a position that minimizes interference from other VE sources. The required observer position relative to the sun (Method 9; Section 2.1) shall be followed; and

- c. The observer shall record the operating capacity (ton/hr) of the plant at the time the observations were made.

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

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

Section E. Notification and Reporting Requirements

1. Standard Conditions Reporting

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

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

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 551 TPH screening plant will be operated, but not later than **one hundred eighty (180) days** after initial start-up, and **annually** thereafter, the permittee shall conduct or cause to be conducted performance tests on the screening plant to determine the opacity of emissions. Tests shall be conducted for each point subject to the opacity limits specified in Attachment II, Special Condition No. C.1.b.
- b. The permittee shall conduct or cause to be conducted an annual performance test on the 280 TPH crushing plant to determine the opacity of emissions. Tests shall be conducted for each point subject to the opacity limits specified in Attachment II, Special Condition No. C.1.a.
- c. The performance test shall be conducted at the maximum expected operating capacity of the crushing and screening plants
- 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 and screening plants 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. All performance tests may be monitored by the Department.

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

4. Performance Test Plan

At least **thirty (30) days** prior to conducting a performance test, the permittee shall submit a written performance test plan to the Department and U.S. EPA, Region 9, that includes date(s) of the test, test duration, test locations, test methods, source operation, locations of VE readings, and other parameters that may affect the test results. Such a plan shall conform to U.S. EPA guidelines including quality assurance procedures. A test plan or quality assurance plan that does not have the approval of the Department may be grounds to invalidate any test and require a retest.

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

5. Deviations

Any deviations from these conditions, test methods, or procedures may be cause for rejection of the test results unless such deviations are approved by the Department before the tests.

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

6. Performance Test Report

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

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

7. Performance Test Waiver

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

(Auth.: HAR §11-60.1-3, §11-60.1-90)

Section G. Change of Location Requirements

1. For all location changes, the permittee shall submit the enclosed **Change of Location Request for a Temporary Source** form to the Department for approval **at least thirty (30) days prior to the change in location**, or such lesser time as designated and approved by the Department.
2. With each change of location request, the permittee shall submit to the Department:
 - a. A map of the proposed new temporary location showing the property boundary, fence lines, location of the equipment on the property, and the location of any other air pollution sources owned and operated by the permittee at the new location; and
 - b. An area map showing the proposed new temporary location.
3. The applicable filing fee shall be submitted to the Department with each change in location request and made payable to the **Clean Air Special Fund-COV**.
4. The permittee shall submit any additional information as requested by the Department.
5. Prior to any relocation, the Department shall approve, conditionally approve, or deny in writing each location change. If the Department denies a location change, the applicant may appeal the decision pursuant to HRS, Chapter 91.
6. The change of location approval, or a copy thereof, shall be maintained near the source and shall be made available for inspection upon request by the Department.
7. At each of the authorized locations, the permittee shall operate in accordance with this temporary CSP and all applicable requirements.

Section H. Agency Notification

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

(Auth.: HAR §11-60.1-4, §11-60.1-90)

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. 0613-01-CT**

Issuance Date: DATE

Expiration Date: DATE

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

Section A. Equipment Description

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

(Auth.: HAR §11-60.1-3)

Section B. Operational Limitations

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

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 *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. 0613-01-CT**

Issuance Date: DATE

Expiration Date: DATE

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

1. Annual fees shall be paid in full:
 - a. Within **one hundred twenty (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. 0613-01-CT**

Issuance Date: DATE

Expiration Date: DATE

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

1. Complete the attached form(s):

Annual Emissions Report Form: Crushing and Screening 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.

**ANNUAL EMISSIONS REPORT FORM
CRUSHING AND SCREENING PLANTS
TEMPORARY COVERED SOURCE PERMIT NO. 0613-01-CT**

Issuance Date: DATE

Expiration Date: DATE

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

(Make Copies for Future Use)

For Period: _____ Date: _____

Company Name: _____

Facility Name: _____

Equipment Location: _____

I certify that I have knowledge of the facts herein set forth, that the same are true, accurate, and complete to the best of my knowledge and belief, and that all information not identified by me as confidential in nature shall be treated by the Department of Health as public record.

Responsible Official (Print): _____

Title: _____

Responsible Official (Signature): _____

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

Type of Operation	Tons of Materials Processed	Air Pollution Control Measures in Use	Control Efficiency (% Reduction)
Truck Unloading			
280 TPH Crusher			
511 TPH Screen			
Conveyor Transfer			
Truck Loading			
Stockpiles			

Note: Control measures include water sprays, housing and duct work to baghouses.
 Use the following Control Efficiencies, unless documentation is available to show otherwise:
Baghouses: 99%
Water sprays, or Shroud: 70%
*Subsequent transfer points of water sprayed material: 70-(5*n)%*
 Efficiency factors may be reduced by the Department of Health, if there are any indications that a source's air pollution control device is not operating at the specified efficiency.

**COMPLIANCE CERTIFICATION FORM
TEMPORARY COVERED SOURCE PERMIT NO. 0613-01-CT
(PAGE 1 OF ___)**

Issuance Date: DATE

Expiration Date: DATE

In accordance with the Hawaii Administrative Rules, Title 11, Chapter 60.1, Air Pollution Control, the permittee shall report to the Department of Health the following 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 Hawaii Administrative Rules, Title 11, Chapter 60.1, Air Pollution Control, and any permit issued thereof.

COMPLIANCE CERTIFICATION FORM
TEMPORARY COVERED SOURCE PERMIT NO. 0613-01-CT
(CONTINUED, PAGE 2 OF ___)

Issuance Date: DATE

Expiration Date: DATE

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

Instructions:

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

A. Attachment I, Standard Conditions

<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. 0613-01-CT
(CONTINUED, PAGE ___ OF ___)

Issuance Date: DATE

Expiration Date: DATE

C. Special Conditions - Operational and Emissions Limitations

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

<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

**COMPLIANCE CERTIFICATION FORM
 TEMPORARY COVERED SOURCE PERMIT NO. 0613-01-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. 0613-01-CT
(PAGE 1 OF 3)**

Issuance Date: DATE

Expiration Date: DATE

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

(Make Copies for Future Use)

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

Covered Sources
 X \$100.00 for Non-Air Toxic
 \$300.00 for Air Toxic
4. The permittee shall submit any additional information as requested by the Department of Health.
5. This **Change of Location Request for a Temporary Source** form shall be mailed to the following address:

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

-
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 CSP and all applicable requirements.

**CHANGE OF LOCATION REQUEST
FOR A TEMPORARY SOURCE
TEMPORARY COVERED SOURCE PERMIT NO. 0613-01-CT
(CONTINUED, PAGE 2 OF 3)**

Issuance Date: DATE

Expiration Date: DATE

1. Company Name: _____
2. Mailing Address: _____
City: _____ State: _____ Zip Code: _____
Phone Number: _____
3. Name of Owner/Owner's Agent: _____
Title: _____ Phone Number: _____
4. Equipment Description (identify each equipment to be relocated): _____

5. Current Location of Equipment: _____
6. **New Location Information**
 - a. Street Address: _____
 - b. City: _____ Zip Code: _____ Island: _____
 - c. For sites with no street address, provide:
Description of location: _____
or, Tax map key: _____
or, UTM Coordinates: _____
Horizontal Datum: _____
 - d. Plant manager/contact: _____ Phone: _____
 - e. Proposed start date at new location: _____
 - f. Estimated project duration at new location: _____
 - g. Identify other air pollution sources owned and operated by the permittee at the new location, if any: _____

 - h. Brief description of the work to be performed: _____

**CHANGE OF LOCATION REQUEST
FOR A TEMPORARY SOURCE
TEMPORARY COVERED SOURCE PERMIT NO. 0613-01-CT
(CONTINUED, PAGE 3 OF 3)**

Issuance Date: DATE

Expiration Date: DATE

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

Distance	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): _____

**VISIBLE EMISSIONS FORM REQUIREMENTS
STATE OF HAWAII
TEMPORARY COVERED SOURCE PERMIT NO. 0613-01-CT**

Issuance Date: DATE

Expiration Date: DATE

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

1. VE observations shall take place during the day only. The opacity shall be noted in five (5) percent increments (e.g., 25%).
2. Orient the sun within a one hundred forty (140) degree sector to your back. Provide a source layout sketch on the VE Form using the symbols as shown.
3. For VE observations of stacks, stand at least three (3) stack heights but not more than a quarter mile from the stack.
4. For VE observations of fugitive emissions from crushing and screening plants, stand at least 4.57 meters (fifteen (15) feet) from the VE source, but not more than a quarter mile from the VE source.
5. Two (2) consecutive six (6) minute observations shall be taken at fifteen (15) second intervals for each stack or emission point.
6. The six (6) minute average opacity reading shall be calculated for each observation.
7. If possible, the observations shall be performed as follows:
 - a. Read from where the line of sight is at right angles to the wind direction.
 - b. The line of sight shall not include more than one (1) plume at a time.
 - c. Read at the point in the plume with the greatest opacity (without condensed water vapor), ideally while the plume is no wider than the stack diameter.
 - d. Read the plume at fifteen (15) second intervals only. Do not read continuously.
 - e. The equipment shall be operating at the maximum permitted capacity.
8. If the equipment was shut-down for that period, briefly explain the reason for shut-down in the comment column.

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

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

VISIBLE EMISSIONS FORM
TEMPORARY COVERED SOURCE PERMIT NO. 0613-01-CT

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

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

Company Name: _____

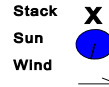
For stacks, describe equipment and fuel: _____

For fugitive emissions from crushers, describe:

Fugitive emission point: _____

Plant Production (tons/hr): _____

(During observation)



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): _____

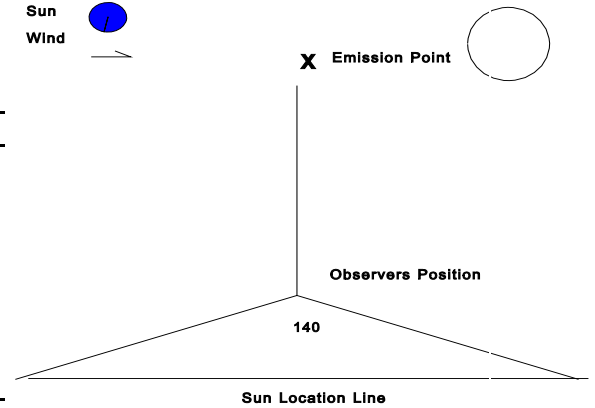
Sky conditions (% cloud cover): _____

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

DRAFT

PERMIT APPLICATION REVIEW
TEMPORARY COVERED SOURCE PERMIT (CSP) No. 0613-01-CT

Application No.: Renewal Application No. 0613-02 with Significant Modification No. 0613-03

Organization: Pineridge Farms, Inc.

Facility: 280 TPH Crushing Plant and 551 TPH Screening Plant

Mailing Address: 855 Umi Street
Honolulu, Hawaii 96819

Location: Various Temporary Sites, State of Hawaii

SIC Code: 1429 (Crushed and Broken Stone)

Responsible Official: Ms. Georgette Silva
President
(808) 847-6746

Equipment:

Equipment	Make and Model No.	Serial No.
<i>Existing:</i> 280 TPH Impact Crusher with grizzly feeder Note: The Caterpillar, 335 HP diesel engine is exempt because it propels the tracks of the 280 TPH Crusher. (HAR § 11-60.1-82(d)(4))	Crusher: BL Pegson 4242SR Manuf. 2005	420125BLSR
Water spray system on the crusher		
Various conveyors		
<i>Added from Permit No. 0763-01-NT:</i> 551 TPH Powerscreen 2-deck screen Note: The Caterpillar, 111.3 HP diesel engine is exempt because it propels the tracks of the 551 TPH Screen. (HAR § 11-60.1-82(d)(4))	Screen: Chieftain 2100 Manuf. 2011	PID00124EDGB11925

Background:

Pineridge Farms, Inc. has submitted a renewal application with modification to operate a 280 TPH impact crusher powered by an exempt 335 HP Caterpillar diesel engine, and a 551 TPH screen powered by an exempt 111.3 HP Caterpillar diesel engine. Raw material, primarily consisting of basalt rock and concrete rubble, is loaded into the feeder of the crusher by a front-end loader or excavator. Undersized material falls through the feeder bars onto a conveyor and are transported to a stockpile on the side of the crusher. After crushing is completed, material is dropped to the main conveyor and is transported to a separate stockpile. The 551 TPH screen, which was previously permitted under Temporary Noncovered Source Permit (NSP) No. 0763-01-NT, will be used in conjunction with the crusher, to size material prior to crusher loading. Temporary NSP No. 0763-01-NT will be closed upon the issuance of this permit. Fugitive emissions from the crushing and screening plants will be controlled by water sprays and suppression, as necessary, at the screen, grizzly feeder, crusher, transfer points, and stockpiles.

Air Pollution Control:

Air pollution control on the crushing system will be accomplished by water sprays at three (3) points on the crusher:

1. Transfer to side conveyor;
2. Transfer crusher to conveyor; and
3. Transfer to stockpile.

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

Applicable Requirements:

Hawaii Administrative Rules (HAR)

Title 11, Chapter 59, Ambient Air Quality Standards

Title 11, Chapter 60.1, Air Pollution Control

Subchapter 1, General Requirements

Subchapter 2, General Prohibitions

11-60.1-31, Applicability

11-60.1-32, Visible Emissions

11-60.1-33, Fugitive Dust

Subchapter 5, Covered Sources

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

11-60.1-111, Definitions

11-60.1-112, General Fee Provisions for Covered Sources

11-60.1-113, Application Fees for Covered Sources

11-60.1-114, Annual Fees for Covered Sources

11-60.1-115, Basis of Annual Fees for Covered Sources

Subchapter 8, Standards of Performance for Stationary Sources
11-60.1-161, New Source Performance Standards
Subchapter 9, Hazardous Air Pollutant Sources
Subchapter 10, Field Citations

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

This source is subject to 40 Code of Federal Regulations (CFR) Part 60, NSPS, Subpart OOO – Standards of Performance for Non-metallic Mineral Processing Plants, because the maximum capacity of the crusher exceeds 150 TPH, and the crusher and screen were manufactured after August 31, 1983. The crusher has a manufacture date of 2005 and the screen a manufacture date of 2011.

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

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

This source is not subject to 40 CFR Part 63, Subpart ZZZZ – National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (RICE), because the engines are considered nonroad engines as defined in 40 CFR §1068.30. Subpart ZZZZ applies to stationary internal combustion engines that are not nonroad engines.

Prevention of Significant Deterioration (PSD)

This source is not subject to PSD requirements because it is not a major stationary source as defined in 40 CFR §52.21 and HAR, Title 11, Chapter 60.1, Subchapter 7.

Compliance Assurance Monitoring (CAM)

This source is not subject to CAM because the facility is not a major source.

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

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

Air Emissions Reporting Requirements (AERR)

This source is not subject to AERR, 40 CFR Part 51, Subpart A.

Emissions that can be considered reasonably capturable during rock crushing activities (the crusher, the transfer points on the crusher, and the crusher's built-in screen), are included in the determination of whether this source is subject to AERR. Fugitive emissions that are not considered reasonably capturable, have not been included in the determination of whether this stationary source is subject to AERR.

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

Pollutant	Emissions Based on 8760 hrs/yr (tons/yr)	AERR Trigger Level (Type B) (tons/yr)
SO ₂	-	≥100 TPY
VOC	-	≥100 TPY
NO _x	-	≥100 TPY
CO	-	≥1000 TPY
PM ₁₀	1.74	≥100 TPY
PM _{2.5}	0.23	≥100 TPY

CAB In-house Annual Emissions Reporting

The facility is subject to in-house annual emissions reporting because potential emissions from the facility exceed the reporting thresholds.

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

CAB In-House Annual Emissions Reporting Applicability

Pollutant	Emissions Based on 8,760 hrs/yr (tons/yr)	CAB In-House Annual Emissions Reporting Trigger Level (tons/yr)
SO ₂	-	≥25
VOC	-	≥25
NO _x	-	≥25
CO	-	≥250
PM	80.23	≥25
PM ₁₀	28.03	≥25
PM _{2.5}	3.71	≥25
Total HAPs	-	≥5

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

Best Available Control Technology (BACT)

This source is not subject to a BACT analysis.

A BACT analysis is required for new sources and significant modifications to sources that have the potential to emit or increase emissions above significant levels, as defined in HAR §11-60.1-1, considering any limitations. Fugitive emissions from the added screen are not considered reasonably capturable, and are not considered in the BACT analysis.

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

Synthetic Minor Source/Major Source Applicability

A synthetic minor source is a facility that is potentially major, as defined in HAR, §11-60.1-1, but is made non-major through federally enforceable permit conditions. This facility is not a synthetic minor source because potential emissions do not exceed the major source thresholds when the facility is operated at its maximum capacity continuously for 8,760 hours per year.

Pollutant	Emissions Based on 8,760 hrs/yr (tons/yr)	Major Source Trigger (tons/yr)
SO ₂	-	≥100
VOC	-	≥100
NO _x	-	≥100
CO	-	≥100
PM	4.68	None
PM ₁₀	1.74	≥100
PM _{2.5}	0.23	≥100
Total HAPs	-	≥10 single HAP or ≥25 combined HAPs

This table only includes emissions considered reasonably capturable (the crusher, transfer points on the crusher, and the crusher's built in screen).

Insignificant Activities/Exemptions:

335 HP Caterpillar Diesel Engine

The 335 HP diesel engine powering the crusher is exempt in accordance with HAR §11-60.1-82(d)(4) because the engine is used to propel the crusher.

111.3 HP Caterpillar Diesel Engine

The 111.3 HP diesel engine powering the screen is exempt in accordance with HAR §11-60.1-82(d)(4) because the engine is used to propel the screen.

Storage Tanks

The following storage tanks are less than 40,000 gallons and are considered insignificant activities in accordance with HAR §11-60.1-82(f)(1):

1. 150-gallon diesel fuel tank for the crusher;
2. 74-gallon diesel fuel tank for the screen; and
3. 124-gallon hydraulic fuel tank for the screen.

Alternate Operating Scenarios:

None.

Project Emissions:

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

280 TPH Crushing Plant

The maximum capacity of the crusher is 280 TPH based on data submitted by the applicant. The emission factors for the rock crusher were taken from AP-42, Table 11.19.2-2 Emission Factors for Crushed Stone Processing Operations (8/04). Approximately fifty-one (51) percent of particulate emissions are assumed to be PM₁₀. PM_{2.5} assumed to be fifteen (15) percent of particulate emissions per AP-42 Appendix B.2 (1/95). Water suppression will be used to control particulate emissions.

280 TPH Crusher	
Pollutant	Emissions (TPY) (8,760 hr/yr)
PM	4.96
PM ₁₀	1.88
PM _{2.5}	0.27

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

551 TPH Screening Plant

The maximum capacity of the screen is 551 TPH based on data submitted by the applicant. The emission factors for the screen were taken from AP-42, Table 11.19.2-2 Emission Factors for Crushed Stone Processing Operations (8/04). Approximately fifty-one (51) percent of particulate emissions are assumed to be PM₁₀. PM_{2.5} assumed to be fifteen (15) percent of particulate emissions per AP-42 Appendix B.2 (1/95). Water suppression is used to control particulate emissions.

551 TPH Screening Plant	
Pollutant	Emissions (TPY) (8,760 hr/yr)
PM	6.53
PM ₁₀	2.29
PM _{2.5}	0.27

Fugitive emissions from the screen are not considered capturable.

Storage Piles

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

Storage Piles	
Pollutant	Emissions (TPY) (8,760 hr/yr)
PM	30.97
PM ₁₀	14.65
PM _{2.5}	2.22

Vehicle Travel on Unpaved Roads

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

Vehicle Travel on Unpaved Roads	
Pollutant	Emissions (TPY) (8,760 hr/yr)
PM	37.77
PM ₁₀	9.21
PM _{2.5}	0.95

Ambient Air Quality Assessment:

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

The diesel engines on the crusher and screen are considered nonroad mobile sources and are not subject to an air quality modeling assessment. The only other emissions from the source are fugitive emissions that are not generally modeled by the Clean Air Branch.

Significant Permit Conditions:

1. Fugitive Emission Limits

- a. The permittee shall not cause to be discharged into the atmosphere from the 280 TPH crushing plant, fugitive emissions which exhibit greater than fifteen (15) percent opacity from the crusher and ten (10) percent opacity from any transfer point on the belt conveyors, screening operation, or from any other affected facility.
- b. The permittee shall not cause to be discharged into the atmosphere from the 551 TPH screening plant, fugitive emissions which exhibit greater than seven (7) percent opacity from any transfer point on the belt conveyors, screening operation, or from any other affected facility.

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

Conclusion and Recommendations:

Potential emissions were conservatively based on operation of the equipment at maximum capacity for 8,760 hr/yr. Actual operating hours and emissions should be less than those calculated. The equipment, if operated in accordance with the permit, shows compliance with air regulations. Recommend issuance of the temporary CSP subject to the incorporation of the significant permit conditions, thirty (30) day public comment period, and forty-five (45) day EPA review period.

Evan Fujimoto
October 5, 2020

**Application
and
Supporting Information**

From: Lori Modelski <L.Modelski@pineridgefarmsinc.com>
Sent: Monday, October 5, 2020 12:02 PM
To: Fujimoto, Evan
Cc: Chaelani Harris
Subject: [EXTERNAL] RE: 0613-01-CT - Pineridge Farms
Attachments: 20201005_115248.pdf

Hi Evan,

I reviewed the permit in it's entirety. We need to correct the serial number for the 2100 Screen to: **PID00124EDGB11925**. I have attached a copy of the plate from the screen to confirm the SN. Let me know if you need anything else. Everything else looks great.

Thank you and have a good day.

Respectfully,

Lori
Lorina L. Modelski
Operations Manager
Pineridge Farms, Inc.
855 Umi Street
Honolulu, HI 96819
808-847-6746 Office
808-561-0530 Mobile

From: Fujimoto, Evan <evan.fujimoto@doh.hawaii.gov>
Sent: Monday, October 5, 2020 9:12 AM
To: Lori Modelski <L.Modelski@pineridgefarmsinc.com>
Subject: 0613-01-CT - Pineridge Farms

Good Morning Lori,

Please see attached for Draft permit renewal with modification 0613-01-CT for Pineridge Farms prior to the EPA and public review. I would really appreciate if you could review and let me know if you have any comments on the draft permit. Please let me know if the information in the draft to be correct and let me know if you have any questions or concerns.

Thank you,
Evan Fujimoto



POWERSCREEN®

A TEREX
BRAND

Manufactured By

Terex GB Ltd

Coalisland Road, Dungannon, Co. Tyrone

Northern Ireland, BT71 4DR

MACHINE MODEL

CHIEFTAIN 2100X

YEAR MANUFACTURED

2011

MACHINE MASS

P.I.N

~PID00124EDGB11925~

2084

From: Lori Modelski <L.Modelski@pineridgefarmsinc.com>
Sent: Friday, January 31, 2020 11:48 AM
To: Fujimoto, Evan
Subject: [EXTERNAL] FW: 4242
Attachments: 20200131_110804.jpg; 20200131_110816.jpg

Follow Up Flag: Follow up
Flag Status: Flagged

Hi Evan,

Please find attached the photos for the 4242SR under 0613-01-CT. Have a great weekend!

Respectfully,

Lori
Lorina L. Modelski
Operations Manager
Pineridge Farms, Inc.
855 Umi Street
Honolulu, HI 96819
808-847-6746 Office
808-561-0530 Mobile

From: Paul Eguires <peguires@gmail.com>
Sent: Friday, January 31, 2020 11:27 AM
To: Lori Modelski <L.Modelski@pineridgefarmsinc.com>
Subject: 4242

Will this be ok for you?



ADVANCED CRUSHING TECHNOLOGY

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HAND DELIVERED
JUN 3 2014

PINERIDGE FARMS, INC.

855 Umi Street, Honolulu, HI 96819 Phone: (808) 847-6746 Fax: (808) 842-3470

May 28, 2014

Mr. Nolan Hirai, Chief
Clean Air Branch
Hawaii Department of Health
919 Ala Moana Blvd, Room 203
Honolulu, Hawaii 96814

0763-02
→ this letter and
→ 0613-01 letter of
June 18, 2014

Subject: Cover Source Clean Air Permit Request

0763-01-NT → 0613-01-CT

Dear Mr. Hirai,

Attached please find our application for a Temporary Cover Source Clean Air Permit Request for our equipment Chieftain 2100 Powerscreen (551 TPH Powerscreen 2-deck screen, model no. Chieftain 2100, serial no. PID00124CDGB22277 with 111.3 HP Tier 3 diesel engine).

The equipment is currently in operations under a DOH clean air permit No. 0763-01-NT. We would like to change the permit type from Non-Covered to Covered, to increase the operating hours and There is no change to the equipment, operation process, and products. the only difference is that operating hours will be longer, and there will be a possibility in the future that this equipment could be operating with a crusher. Therefore, we are requesting to change the non-covered permit to a covered permit.

Should you have any questions regarding the above, please do not hesitate to call Ms. Lori Modelski at 847-6746.

Sincerely,



Georgette Silva, President
Pineridge Farm, Inc.

Attachments

MD 26774

0763-02
APPL NT → CT

File/Application No.: 0763

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: Pineridge Farm, Inc.
2. Facility Name (if different from the Company): _____
3. Mailing Address: 855 Umi Street
City: Honolulu State: HI Zip Code: 96819
Phone Number: 847-6746
4. Name of Owner/Owner's Agent: Georgette Silva
Title: President Phone: 847-6746
Mailing Address: 855 Umi Street
City: Honolulu State: HI Zip Code: 96819
5. Plant Site Manager/Other Contact: Georgette Silva
Title: President Phone: 847-6746
Mailing Address: 855 Umi Street
City: Honolulu State: HI Zip Code: 96819
6. Permit Application Basis: (Check One.)
- | | |
|---|--|
| <input type="checkbox"/> Initial Permit for a New Source | <input type="checkbox"/> Initial Permit for an Existing Source |
| <input type="checkbox"/> Renewal of Existing Permit | <input type="checkbox"/> General Permit |
| <input checked="" type="checkbox"/> Temporary Source | <input type="checkbox"/> Transfer of Permit |
| <input type="checkbox"/> Modification to a Covered Source: → Is Modification? | <input type="checkbox"/> Significant <input type="checkbox"/> Minor <input type="checkbox"/> Uncertain |
| <input type="checkbox"/> Modification to a Noncovered Source | |
7. If renewal or modification, include existing permit number: 0763-01-NT
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: 1442

MD 2677

11. Proposed Equipment/Plant Location (e.g. street address): Move from place to place
 City: _____ State: HI Zip Code: _____
 UTM Coordinates (meters): East: _____ North: _____
12. General Nature of Business: Construction Material Recycling
13. Date of Planned Commencement of Construction or Modification: N/A
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): Silva (First): Georgette (MI): _____
 Title: President Phone: 847-6746
 Mailing Address: 855 Umi Street
 City: Honolulu State: HI Zip Code: 96792

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 II, Chapter 60.1, Air Pollution Control, and any permit issued thereof.

Name (Print/Type): Georgette Silva
 (Signature): Georgette Silva Date: 6/2/14

FOR AGENCY USE ONLY:	
File/Application No.:	<u>076202</u> <u>0613-03</u>
Island:	_____
Date Received:	<u>JUN 3 2014</u>

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 (NOX), 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.

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				UTM Zone: _____ Horizontal Datum *		STACK SOURCE PARAMETERS						
Stack No.	Unit No.	Equipment Name/ Description & SIC number	Equipment Date	Regulated/ Hazardous Air Pollutant Name & CAS#	#/HR	Tons/YR	Coordinates (mtrs)		Stack Height (mtrs)	Direction (u/d/f/n) *	Inside Diameter (mtrs)	Velocity (m/s)	Flow Rate (m ³ /s)	Temp. (°K)	Capped (Y/N)	
							East	North								
		561 TPH Powerscreen 3 deck screen, model no. Chieftain 2100.	2011	TSP		147				N/A	N/A	N/A	N/A	N/A	N/A	
		SCANIA DC09 70 A 350 HP DIESEL ENGINE	2011	NOX		97										
				CO		21										
				SOX		6										
				TSP		7										
				CO2		3,610										
				TOC		7.7										

* Specify UTM Horizontal Datum as Old Hawaiian, NAD-83, or NAD-27
 ** Specify the direction of the stack exhaust as u = upward, d = downward, or h = horizontal

S-4: Application for a Temporary Covered Source Permit

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

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

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

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

A. Equipment Specifications:

1. Maximum design capacity: 550 TPH.
2. Fuel type: Diesel.
3. Fuel use: 35 GPH.
4. Production capacity: 550 TPH.
5. Production rates: 300 TPH.
6. Raw materials: Soil, sand, gravel, crushed stone..
7. Provide any manufacturer's literature.

B. Provide detailed descriptions of all processes and products defined by Standard Industrial Classification Code (SICC). Also, provide any reasonably anticipated alternative operating scenarios, associated processes, and products, by SICC.

1. Identify and describe in detail all air pollution control equipment and compliance monitoring devices or activities planned by the owner or operator, and to the extent of available information, an estimate of emissions before and after controls. Provide all calculations and assumptions.
2. List all **insignificant** activities in accordance with HAR §11-60.1-82.

The equipment is currently under permit No. 0763-01-NT. There is no change to the equipment, operation process, and products. the only difference is that operating hours will be longer, and there will be a possibility in the future that this equipment could be operating with a crusher. Therefore, we are requesting to change the non-covered permit to a covered permit.

C. Maximum Operating Schedule (to the extent needed to determine or regulate emissions):

1. Total hours per day, per week, and/or per month. 10 hr/day, 60 hr/wk, 250 hr/mo.
2. Total hours per year. 3,120 hr/yr.
3. If operation is seasonal or irregular, describe. N/A

D. Cite and describe all *applicable requirements* as defined in HAR §11-60.1-81, including the following:

1. Description of or reference to any applicable test methods for determining compliance with each applicable requirement.
2. Explanation of all proposed exemptions from any applicable requirements.

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

The total operating hours of the screening plant, as represented by the total operating hours of the exempt diesel engine, shall not exceed 2,500 hours in any rolling twelve-month (12-month) period.

The screens shall not operate with crushers that will subject the screens to 40 Code of Federal Regulations Part 60, Subpart OOO.

The permittee shall not cause or permit fugitive dust to become airborne without taking reasonable precautions and shall not cause or permit the discharge of visible emissions of fugitive dust beyond the lot line of the property boundary on which the emissions originate.

The permittee shall take measures to control fugitive dust (e.g., wet suppression, enclosures, dust screens, etc.) for all material transfer points, stockpiles, plant roads, and throughout the facility. The Department of Health may at any time require the permittee to further abate fugitive dust emissions if an inspection indicates poor or insufficient control.

Water sprays shall be maintained and utilized, as necessary, during operation of the screening plants to minimize fugitive dust. The Department of Health 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.

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

Currently this is equipment is in use under permit No. 0763-01-NT.

- 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.

Calculations of annual pollutant emissions attached.

- 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.

Attached.

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

Attached.

III. Provide other information as follows:

- A. As required by any applicable requirement or as requested and deemed necessary by the Director of Health (hereafter, Director) to make a decision on the application.
- B. As may be necessary to implement and enforce other applicable requirements of the Clean Air Act or of HAR Chapter 11-60.1 or to determine the applicability of such requirements.

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

- A. An assessment of the ambient air quality impact of the source or modification. The assessment shall include all supporting data, calculations and assumptions, and a comparison with the National Ambient Air Quality Standards and State Ambient Air Quality Standards.
- B. A risk assessment of the air quality related impacts caused by the covered source or significant modification to the surrounding environment.
- C. Results of source emissions testing, ambient air quality monitoring, or both.
- D. Information on other available control technologies.

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

- A. All information required or requested in numbers I, III, and IV has been submitted.
- B. All documents requiring certification have been certified pursuant to HAR §11-60.1-4.
- C. All applicable fees have been submitted.
- D. The Director has certified that the application is complete.

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

- A. The applicant shall be notified in writing whether the application is complete:
 1. For the requirements of subchapter 7, thirty days after receipt of the application.
 2. For the requirements of HAR subchapter 5, sixty days after receipt of the application. For purposes of this paragraph, the date of receipt of an application for a new covered source or significant modification subject to the requirements of subchapter 7 shall be the date the application is determined to be complete for the requirements of subchapter 7.
 3. Unless the Director requests additional information or notifies the applicant of incompleteness within sixty days after receipt of an application pursuant to VI.A.2 above, the application shall be deemed complete for the requirements of subchapter 5.
- B. During the processing of an application that has been determined or deemed complete, if additional information is necessary to evaluate or take final action on the application, the Director may request such information in writing and set a reasonable deadline for a response.

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

- A. Upon program approval, within nine months for an application containing an early reduction demonstration pursuant to section 112(i)(5) of the Clean Air Act.
 - B. Within twelve months for a new covered source or significant modification subject to the requirements of subchapter 7.
- VIII. A Covered Source Permit application for a new covered source or a significant modification shall be approved only if the Director determines that the construction or operation of the new covered source or significant modification will be in compliance with all applicable requirements.**
- IX. The Director shall provide for public notice, including the method by which a public hearing can be requested, and an opportunity for public comment on the draft Covered Source Permit in accordance with HAR §11-60.1-99. Each notification shall also identify the intent to operate at various locations, and the estimated number of location changes for the proposed term of the Temporary Covered Source Permit.**
- X. The Director shall provide a statement that sets forth the legal and factual bases for the draft permit conditions (including references to the applicable statutory or regulatory provisions) to EPA and any other person requesting it.**
- XI. Each application and proposed Covered Source Permit shall be subject to EPA oversight in accordance with HAR §11-60.1-95.**
- XII. Upon issuance of a Temporary Covered Source Permit, the following information is required:**
- A. Provide all succeeding location changes to the Director for approval at least thirty days, or such lesser time as designated and approved by the Director, prior to the change in location. The owner or operator shall submit sufficient information to enable the Director to assess the air quality impact the temporary covered source may have at the new location.
 - B. Temporary Covered Source Permit identification number and expiration date.
 - C. Location map of the new temporary location, identifying the surrounding commercial, industrial, and residential developments.
 - D. Projected dates of operation at the new location.
 - E. Certification that no modification will be made to the equipment, and operational methods will remain similar as permitted under the Temporary Covered Source Permit at the new location.
- XIII. The Director shall not continue to act upon or consider a location change request, unless the following have been submitted:**
- A. All information required in number XII.
 - B. Any additional information as requested by the Director.
 - C. Any applicable fees.
- XIV. Prior to any relocation, the Director shall approve, conditionally approve, or deny in writing each location change. If the Director denies a location change, the applicant may appeal the decision pursuant to Hawaii Revised Statutes, Chapter 91.**
- XV. With the exception of the initial location, if a source remains in any one location for longer than twelve consecutive months, the Director may request an ambient air quality impact assessment of the source.**
- XVI. At each of the authorized locations, the owner or operator shall operate in accordance with the Temporary Covered Source Permit and all applicable requirements.**

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.

11-60.1-2 Prohibition of Air Pollution

11-60.1-32 Visible Emissions 11-60.1-33 Fugitive Dust

11-60.1-38 Sulfur oxides from fuel combustion

11-60.1 Subchapter 5, Covered Sources. 11-60.1-111~115 Fee.

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

The facility is currently in compliance and will continue to be in compliance with the requirements listed in item 1 a.

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>
<u>N/A</u>	

- 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>
N/A	

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

N/A

RESPONSIBLE OFFICIAL

(as defined in HAR §11-60.1-1)

Name (Last): Silva (First): Georgette (MI): _____

Title: President Phone: 847-6746

Mailing Address: 855 Umi Street

City: Honolulu State: HI Zip Code: 96819

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): Georgette Silva

(Signature): *Georgette Silva* Date: 6/2/14

Facility Name: Pineridge Farms, INC.

Location: 855 Umi Street, Honolulu, Oahu

Permit Number: 0763-01-NT

FOR AGENCY USE ONLY	
File/Application No.:	_____
Island:	_____
Date Received:	<u>JUN 3 2014</u>

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): Silva (First): Georgette (MI): _____

Title: President Phone: 847-6746

Mailing Address: 855 Umi Street

City: Honolulu State: HI Zip Code: 96819

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): Georgette Silva

(Signature): *Georgette Silva* Date: 6/2/14

Facility Name: Pineridge Farms, INC.

Location: 855 Umi Street, Honolulu, Oahu

Permit Number: _____

FOR AGENCY USE ONLY

File/Application No.: _____

Island: _____

Date Received: JUN 3 2014

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: N/A Beginning Date: N/A

2. Emissions Unit No./Description: Screener

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

 11-60.1-2 Prohibition of Air Pollution
 11-60.1-32 Visible Emissions 11-60.1-33 Fugitive Dust
 11-60.1-38 Sulfur oxides from fuel combustion
 11-60.1 Subchapter 5, Covered Sources. 11-60.1-111~115 Fee.

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:

monitoring, recordkeeping, reporting.

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.):

monitoring: Monitor emissions of fugitive dust beyond the property boundary.

recordkeeping: Record productions and fuel usage. Record monitoring report, inspections, change of location, and any noncompliance.

reporting: Report any noncompliance, annual emissions, and other required reports.

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:

Water spray, use of low sulfur fuel.

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

EMISSION CALCULATIONS - ENGINE

PERMIT NO.: 763

FACILITY AND EQUIPMENT INFORMATION

COMPANY: Pineridge Farms, Inc.
EQUIPMENT: 551 TPH Powerscreen, model no. Chieftain 2100
ENGINE: 111.3 HP Tier 3 diesel engine
LOCATION: Move from location to location

FUEL USAGE (FROM OPERATOINS RECORDS)

321,200	GAL/YR, (INPUT)	CONVERTORS FOR DIESEL:	
2,280,520	LB/YR	LB/GAL	7.1
44,014	MMBTU/YR	BTU/LB	19300

POLLUTANT EMISSIONS FROM THE ENGINE (PER AP42 SECTION 3.3)

POLLUTANT	EMISSION FACTOR	TOTAL EMISSIONS	
	(LB/MMBTU)	(LB/YR)	(TON/YR)
NOx	4.41	194,102	97.051
CO	0.95	41,813	20.907
SOx	0.29	12,764	6.382
TSP	0.31	13,644	6.822
CO ₂	164	7,218,302	3609.151
TOC	0.35	15,405	7.702

EMISSION CALCULATIONS - CRUSHING OPERATIONS

PERMIT NO.: 763

FACILITY AND EQUIPMENT INFORMATION

COMPANY: Pineridge Farms, Inc.
 EQUIPMENT: 551 TPH Powerscreen, model no. Chieftain 2100
 ENGINE: 111.3 HP Tier 3 diesel engine
 LOCATION: Move from location to location

PRODUCTION INFORMATION (FROM OPERATIONS RECORDS)

4,818,000 TON/YR TRANSFER POINT 4

POLLUTANT EMISSIONS FROM THE CRUSHING OPERATIONS (TPM) (PER AP42 CH 11, TABLE 11.19)

Source	SCC NO.	Total Particulate Emission Factor (LB/TON)	Total Particulate output (LB/YR)	Total Particulate output (TON/YR)
Primary Crushing ¹		0.0024	11563.2	5.782
Primary Crushing (controlled) ¹		0.00054		
Secondary Crushing		ND		
Secondary Crushing (controlled)		ND		
Tertiary Crushing		0.0054		
Tertiary Crushing (controlled)		0.0012		
Fines Crushing		0.039		
Fines Crushing (controlled)		0.003		
Screening		0.025	120450	240.9
Screening (controlled)		0.0022		
Fines Screening		0.3		
Fines Screening (controlled)		0.0036		
Conveyor Transfer Point		0.003	14454	28.908
Conveyor Transfer Point (controlled)		0.00014		
Wet Drilling - Unfragmented Stone		ND		
Truck Unloading -Fragmented Stone		ND		
Truck Unloading - Conveyor, crushed stone ²		0.0001	481.8	0.241

¹ There is no data for these items for TPMs. PM₁₀ values for tertiary crushing are used for TPMs.

EMISSION CALCULATIONS - STORAGE

PERMIT NO.: 763

FACILITY AND EQUIPMENT INFORMATION

COMPANY: Pineridge Farms, Inc.
EQUIPMENT: 551 TPH Powerscreen, model no. Chieftain 2100
ENGINE: 111.3 HP Tier 3 diesel engine
LOCATION: Move from location to location

WIND EROSION FROM STORAGE PILES

Per AP42 13.2.4

$$E = 0.0032 k \times \frac{\left(\frac{U}{5}\right)^{1.3}}{\left(\frac{M}{2}\right)^{1.4}}$$

where:

k: particle size multiplier	0.74
U: mean wind speed (mph)	10.9
M: material moisture content %	0.7
E: emission factor (lb/ton)	0.0284
annual production: (ton/yr)	4,818,000
total TSP for storage piles (ton/yr):	68.315

EMISSION CALCULATIONS - UNPAVED ROAD

PERMIT NO.: 763

FACILITY AND EQUIPMENT INFORMATION

COMPANY: Pineridge Farms, Inc.
EQUIPMENT: 551 TPH Powerscreen, model no. Chieftain 2100
ENGINE: 111.3 HP Tier 3 diesel engine
LOCATION: Move from location to location

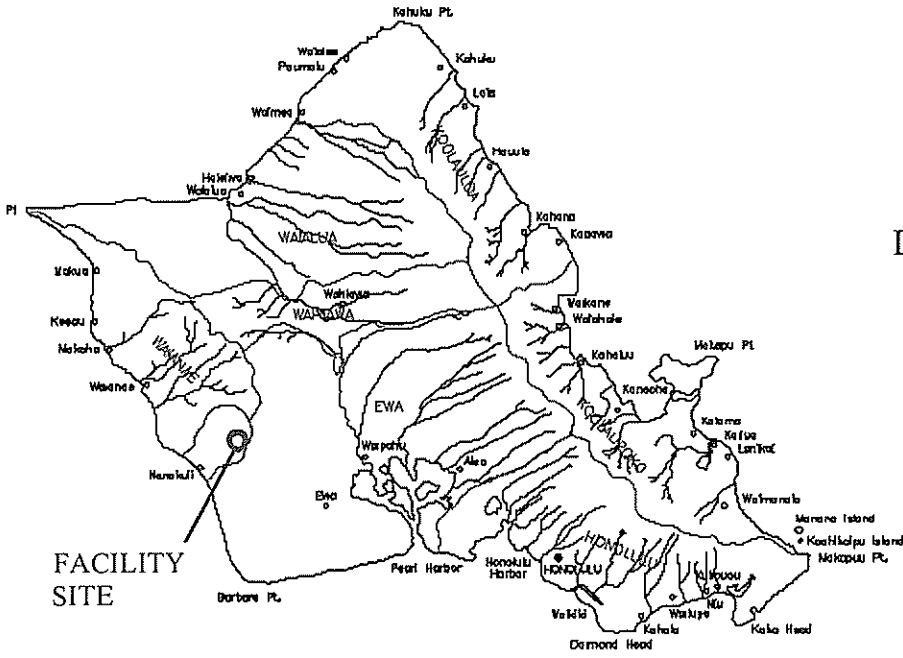
EMISSION FROM UNPAVED ROAD (TPM)

Per AP42 13.2.2

$$E = k\left(\frac{s}{12}\right)^a \left(\frac{W}{3}\right)^b$$

where:

k: constants (lb/VMT)	4.9
a: constants	0.7
b: constants	0.45
s: surface material silt content (%)	4.8
W: mean vehicle weight (ton)	26.5
E: emission factor (lb/VMT)	6.88
average truck load (ton)	21
average unpaved roads (mile)	0.1
annual production (ton):	4,818,000
VMT generate:	22943
Total emission (ton/yr):	78.888



LOCATION
MAP

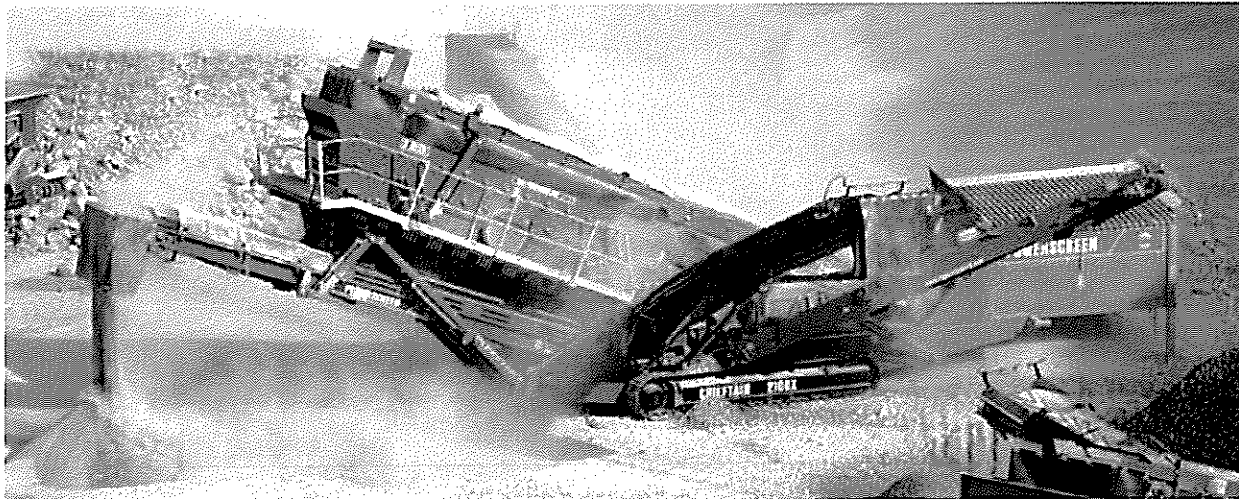
FACILITY
SITE



FACILITY
SITE

VICINITY
MAP

Chieftain 2100X



The Powerscreen® Chieftain 2100X is designed for medium to large scale operators who require large volumes of high specification products. The Chieftain 2100X is the largest model to feature a high capacity hopper, belt feeder and radio controlled tipping grid.

Key features include a patented hydraulically folding recirculating conveyor on the 3 deck version eliminating the need for a crane on site and a 2 bearing screen with adjustable screen amplitude and hydraulic screen angle adjustment.

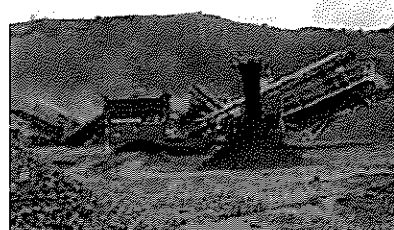
User benefits include a quick set-up time (typically under 30 minutes) with hydraulically folding conveyors and track mobility, class leading stockpile discharge heights and a drop down tail conveyor to aid screen media changes.

Features & Benefits

- 2 or 3 deck
- Radio controlled tipping grid
- Integrated high capacity variable speed belt feeder
- Oil bath lubricated 2 bearing screenboxes
- Heavy duty single shaft screenboxes with adjustable stroke, angle and speed
- Hydraulic screen tensioning
- Screen walkway and access ladder
- Hydraulic folding conveyors with excellent stockpiling capacity
- Engine protection shutdown system

Options

- Double deck vibrating grizzly
- Radio controlled tracking
- Anti roll-back
- Dual power
- Roll-in bogie prepared
- Roll-in bogie equipped
- Auto lubrication system
- Dust suppression



Output Potential: up to 600 tph (661 US tph)*

Chieftain 2100X	Track (2 Deck)	Track (3 Deck)
Weight (Est)	34,700kgs (76,500lbs)	37,400kg (82,453lbs)
Transport width	3m (9'9")	3m (9'9")
Transport length	19.01m (62'4")	17.6m (57'9")
Transport height	3.47m (11'5")	3.45m (11'4")
Working width	18.3m (60')	18.25m (60'10")
Working length	19.8m (64'11")	18.63m (61'1")
Working height	5.89m (19'4")	6.67m (21'11")
Screen unit	6.1m x 1.5m (20' x 5')	6.1m x 1.5m (20' x 5')

