

**Minor Modification to a Temporary Covered Source
Permit Review Summary**

Application File No.: 0026-05

Applicant: Kiewit Pacific Company

Facility Title: 500 TPH Portable Stone Quarrying and Processing Plant
with 1000 kW Diesel Engine Generator
Located at Various Locations, State of Hawaii

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Application Date: December 23, 2003

Proposed Project:

SICC 1411/1442

This minor modification application consists of replacing the existing Eljay 6' X 16' Vibrating Screen with an identical new JCI 6' x 16' Vibrating Screen. There are no other changes proposed.

This amendment is considered a minor modification because the modification:

1. Does not increase the emissions of any air pollutant above the permitted emission limits;
2. Does not result in or increase the emissions of any air pollutant not limited by permit to levels equal to or above:
 - a. 500 pounds per year of a hazardous air pollutant;
 - b. Twenty-five percent of significant amounts of emission as defined in Section 11-60.1-1, paragraph (2) in the definition of "significant";
 - c. Five tons per year of carbon monoxide; or
 - d. Two tons per year of each regulated air pollutant other than carbon monoxide;

3. Does not violate any applicable requirement;
4. Does not involve significant changes to existing monitoring requirements or any relaxation or significant change to existing reporting or recordkeeping requirements in the permit.
5. Does not require or change a case-by-case determination of an emission limitation or other standard, a source-specific determination for temporary sources of ambient impacts, or a visibility or increment analysis;
6. Does not seek to establish or change a permit term or condition for which there is no corresponding underlying applicable requirement, and that the source has assumed to avoid an applicable requirement to which the source would otherwise be subject;
7. Is not a modification pursuant to any provision of Title I of the Act.

A check for \$100.00 was also submitted by the applicant for a minor modification to a temporary covered source permit (non-toxic source).

Equipment Description:

1. One (1) 6' x 16' JCI Vibrating Screen, Model No. 6163-32, Serial No. S031110, electrically powered

Air Pollution Controls:

No changes are proposed.

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
HAR 11-60.1-31	Applicability
HAR 11-60.1-32	Visible Emissions
HAR 11-60.1-33	Fugitive Dust
HAR 11-60.1-38	Sulfur Oxides from Fuel Combustion
Subchapter 5	Covered Sources
Subchapter 6	Fees for Covered Sources, Noncovered Sources, and Agricultural Burning
Subchapter 8	Standards of Performance for Stationary Sources
HAR 11-60.1-161	New Source Performance Standards

Federal Requirements

- 40 CFR Part 60 - Standards of Performance for New Stationary Sources (NSPS)
 - Subpart A: General Provisions
 - Subpart OOO: Standards of Performance for Nonmetallic Mineral Processing Plants

is applicable to the 300 TPH Torgeson Impact Crusher and 6' x 16' JCI Vibrating Screen due to the date of manufacturer (1990 and 2003, respectively). The 500 TPH Telsmith Primary Jaw Crusher is not subject to NSPS since the date of manufacture is before August 31, 1983 (manufacturing date is 1965).

Non-applicable Requirements:

Hawaii Administrative Rules (HAR)

Title 11, Chapter 60.1 Air Pollution Control
 Subchapter 7 Prevention of Significant Deterioration
 Subchapter 9 Hazardous Air Pollution Sources

Federal Requirements

40 CFR Part 61 - National Emission Standards for Hazardous Air Pollutants
 40 CFR Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (Maximum Achievable Control Technologies (MACT) Standards

Best Available Control Technology (BACT):

A Best Available Control Technology (BACT) analysis is required for new or significant modifications to covered sources that have the potential to cause a net increase in air pollutant emissions above significant levels as defined in HAR 11-60.1. Since this modification is a minor modification, a BACT analysis is not applicable.

Consolidated Emissions Reporting Rule (CERR):

40 CFR Part 51, Subpart A - Emission Inventory Reporting Requirements, determines CER based on the emissions of criteria pollutants from Type B point sources (as defined in 40 CFR Part 51, Subpart A), that emit at the CER triggering levels as shown in the table below.

Pollutant	Type B CER Triggering Levels ¹ (tpy)	Pollutant	In-house Total Facility Triggering Levels ² (tpy)
NO _x	≥ 100	NO _x	≥ 25
SO ₂	≥ 100	SO ₂	≥ 25
CO	≥ 1000	CO	≥ 250
PM ₁₀	≥ 100	PM ₁₀	≥ 25
VOC	≥ 100	VOC	≥ 25
Pb	≥ 5	Pb	≥ 5

¹ Based on actual emissions

² Based on potential emissions

This facility does not emit at the CER triggering levels. Therefore, CER requirements are not applicable.

Although CER for the facility is not triggered, the Clean Air Branch requests annual emissions reporting from those facilities that have *facility-wide* emissions of a single air pollutant

exceeding in-house triggering levels. Since the total emissions of NO_x and PM within the facility are both greater than 25 tons per year, annual emissions reporting for the 1000 kW diesel engine generator and the stone processing plant will be required for in-house recordkeeping purposes.

Compliance Data System (CDS):

Applicable since this is a covered source.

Compliance Assurance Monitoring (CAM):

40 CFR Part 64

Applicability of the CAM rule is determined on a pollutant specific basis for each affected emission unit. Each determination is based on a series of evaluation criteria. In order for a source to be subject to CAM, each source must:

- Be located at a major source per Title V of the Clean Air Act Amendments of 1990;
- Be subject to federally enforceable applicable requirements;
- Be fitted with an “active” air pollution control device;
- Have pre-control device potential emissions that exceed applicable major source thresholds; and
- Not be subject to certain regulations that specifically exempt it from CAM.

Emission units are any part or activity of a stationary source that emits or has the potential to emit any air pollutant.

This source is not subject to Compliance Assurance Monitoring (CAM) since this facility is not a major source per Title V of the CAA Amendments of 1990.

Synthetic Minor Source:

This facility is a synthetic minor source as the facility would be classified as a major source *without* operational limitations (i.e., operating at 8760 hrs/year), however, is classified as a non-major source through the use of operational restrictions of 2080 hrs/yr for the 1000 kW diesel engine generator and the 500 TPH primary jaw crusher.

Insignificant Activities:

No changes are proposed.

Alternate Operating Scenarios:

No changes are proposed.

Project Emissions:

There will be no emission increases because the replacement vibrating screen is the same size (6' x 16') as the existing vibrating screen.

Air Quality Assessment:

An ambient air quality impact analysis (AAQIA) is not required for minor modifications to a covered source.

Significant Permit Conditions:

The following permit conditions in Temporary Covered Source Permit No. 0026-04-CT, issued on March 2, 2000, were modified. As is custom when modifying regulatory language, new language is underlined, while [deleted language is shown in brackets].

1. Attachment II, Special Condition No. A.1 - Equipment Description
 - c. One (1) 6' x 16' [Eljay] JCI Vibrating Screen, Model [FSG6163-32] No. 6163-32, Serial No. [34D0795] S031110;

2. Attachment II, Special Condition No. B.1

The 300 TPH Torgeson Impact Crusher and 6' X 16' [Eljay] JCI Vibrating Screen are subject to the provisions of the following federal regulation:

- a. 40 CFR Part 60, New Source Performance Standards (NSPS),
 - i. Subpart A, General Provision; and
 - ii. Subpart OOO, Standards of Performance for Nonmetallic Mineral Processing Plants.

The permittee shall comply with all applicable requirements of these standards, including all emission limits, notification, reporting, monitoring, testing and recordkeeping 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 §60.1, §60.670)¹

Conclusion and Recommendations:

Recommend issuing the permittee a minor modification to a temporary covered source permit subject to the significant permit conditions above since there is no change in emissions. A 45-day EPA review period is also required.

Reviewer: Darin Lum
Date: 2/04