

Amended Date

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

14-xxxE CAB
File No. 0724-01

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Mr. John G. Sylvia
Chief Executive Officer
Hu Honua Bioenergy, LLC
Administration Office
One Embarcadero Center, Suite 1320
San Francisco, California 94111

Dear Mr. Sylvia:

Subject: Amendment of Covered Source Permit (CSP) No. 0724-01-C
Hu Honua Bioenergy, LLC
Bioenergy Facility
Located At: 28-283 Sugar Mill Road, Pepeekeo, Hawaii
Date of Expiration: August 30, 2016

In accordance with Hawaii Administrative Rules, Chapter 11-60.1 and 40 CFR §70.7(g)(4), and pursuant to EPA's *Order Granting in Part and Denying in Part Petition for Objection to Permit* for Petition No. IX-2011-1, the Department of Health hereby amends Covered Source Permit (CSP) No. 0724-01-C issued to Hu Honua Bioenergy, LLC. The amendment incorporates additional requirements to include the boiler's emissions during periods of malfunction or upset conditions and the emergency biodiesel engine generator's emissions when calculating the total emissions of CO, NO_x, and HAPs. It also includes the methodology for calculating the total emissions of CO, NO_x, and HAPs for recordkeeping and reporting purposes. Accordingly, the applicable annual emissions and monitoring report forms are also revised.

Item nos. 1 through 8 list permit conditions that amend and supersede the corresponding permit conditions of CSP No. 0724-01-C issued on August 31, 2011.

1. Attachment II, Special Condition No. C.6
6. The CO and NO_x emissions from the facility, including during periods of boiler startups, shutdowns, and malfunction or upset conditions, shall not equal or exceed 250 tons per year, on any rolling twelve-month (12-month) period. CO and NO_x emissions from the 836 kW emergency biodiesel engine generator shall also be included in the CO and NO_x emissions from the facility.

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

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2. Attachment II, Special Condition No. C.7

7. The total of all HAPs emissions and any individual HAP emissions from the facility, including during periods of boiler startups, shutdowns, and malfunction or upset conditions, shall not equal or exceed 25 tons per year and 10 tons per year, respectively, on any rolling twelve-month (12-month) period. HAPs emissions from the 836 kW emergency biodiesel engine generator shall also be included in the HAPs emissions from the facility.

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

3. Attachment II, Special Condition No. E.14

14. The permittee shall calculate and record the CO and NO_x emissions from the facility, including during periods of boiler startups, shutdowns, and malfunction or upset conditions, on a monthly and rolling twelve-month (12-month) basis to demonstrate compliance with Attachment II, Special Condition No. C.6. CO and NO_x emissions from the 836 kW emergency biodiesel engine generator shall also be included in the CO and NO_x emissions from the facility.
 - a. The permittee shall use data from the boiler's CO and NO_x CEMS, or data from the boiler's source performance tests for CO or NO_x when missing CEMS data, to calculate the CO and NO_x emissions. The boiler's CO and NO_x emissions shall be calculated based on the following:
 - i. If CEMS data is available, Section 4.1 of US EPA's Emission Inventory Improvement Program (EIIP), Volume 2, Chapter 2, "Preferred and Alternative Methods for Estimating Air Emissions From Boilers" (January 2001).
 - ii. If CEMS data is not available, Section 4.3 of the EIIP document based on source performance tests.
 - iii. The F factor (Fd) required in Section 4.1 and 4.3 for burning wood shall be derived using Equation 2.4-3 of the EIIP document. The high heating value (HHV), hydrogen, carbon, sulfur, nitrogen, and oxygen content for the wood needed for this equation shall be derived from the wood sampling and analysis conducted per Attachment II, Special Condition No. E.2.c.iii.
 - iv. The F factor (Fd) for burning biodiesel shall be derived using Equation 2.4-3 of the EIIP document. The HHV, hydrogen, carbon, sulfur, nitrogen, and oxygen content of biodiesel shall be based on data from the biodiesel vendor, the Minnesota Pollution Control Agency's "Emission Factors for Priority Biofuels in Minnesota" (June 30, 2007), or other data approved by the Department of Health.

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- b. The 836 kW emergency biodiesel engine generator's CO and NO_x emissions shall be calculated using the following equation:

$$\text{Emission factor (lb/MMBtu)} \times \text{Higher Heating Value (MMBtu/gallon)} \times \text{Fuel Consumption (gallons/year)}$$

The CO and NO_x emission factors and biodiesel HHV shall be based on data from the manufacturer, AP-42, biodiesel vendor, the Minnesota Pollution Control Agency's "Emission Factors for Priority Biofuels in Minnesota" (June 30, 2007), or other data approved by Department of Health. The fuel consumption of biodiesel (gallons/year) shall be based on the hour meter reading (hours/year) and fuel consumption rate (gallons/hour) at the maximum load as specified by the manufacturer.

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

4. Attachment II, Special Condition No. E.15

15. The permittee shall calculate and record the total of all HAPs emissions and all individual HAP emissions as identified in AP-42 from the facility, including during periods of boiler startups, shutdowns, and malfunction or upset conditions, on a monthly and rolling twelve-month (12-month) basis to demonstrate compliance with Attachment II, Special Condition No. C.7. HAPs emissions from the 836 kW emergency biodiesel engine generator shall also be included in the HAPs emissions from the facility.

- a. The permittee shall use data from the boiler's HCl CEMS, or data from the boiler's source performance tests for HCl when missing CEMS data, to calculate HCl emissions. The permittee shall use data from the boiler's source performance test for chlorine, acetaldehyde, acrolein, benzene, dichloromethane, formaldehyde, manganese, naphthalene, styrene, and toluene to calculate HAPs emissions. All other HAPs emissions as identified in AP-42 for the boiler shall be calculated using one or more of the following sources:
- i. AP-42 data;
 - ii. Data from US EPA's "An Inventory of Sources and Environmental Releases of Dioxin-Like Compounds in the United States for the Years 1987, 1995, and 2000" (November 2006);
 - iii. Data from California Toxic Emission Factors (CATEF);
 - iv. Data from Ventura County Air Pollution Control District; and
 - v. Other data approved by the Department of Health.

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- b. The boiler's HAPs emissions shall be calculated based on the following:
- i. If CEMS data is available, Section 4.1 of US EPA's Emission Inventory Improvement Program (EIIP), Volume 2, Chapter 2, "Preferred and Alternative Methods for Estimating Air Emissions From Boilers" (January 2001).
 - ii. If CEMS data is not available, Section 4.3 of the EIIP document based on source performance tests.
 - iii. The F factor (Fd) required in Section 4.1 and 4.3 for burning wood shall be derived using Equation 2.4-3 of the EIIP document. The high heating value (HHV) and hydrogen, carbon, sulfur, nitrogen, and oxygen content for the wood needed for this equation shall be derived from the wood sampling conducted per Attachment II, Special Condition No. E.2.c.iii.
 - iv. The F factor (Fd) for burning biodiesel shall be derived using Equation 2.4-3 of the EIIP document. The HHV, hydrogen, carbon, sulfur, nitrogen, and oxygen content of the biodiesel shall be from the biodiesel vendor, the Minnesota Pollution Control Agency's "Emission Factors for Priority Biofuels in Minnesota" (June 30, 2007), or other data approved by the Department of Health.
- c. The following equation shall be used to calculate the boiler's HAPs emissions where CEMS or source performance test data is not available:

Emission factor (lb/MMBtu) x Higher Heating Value (MMBtu/lbs of wood or MMBtu/gallons of biodiesel) x Fuel Consumption (lbs of wood/year or gallons of biodiesel/year)

The wood HHV shall be from the wood sampling and analysis conducted per Attachment II, Special Condition No. E.2.c.iii for wood fuel. The biodiesel HHV shall be from the biodiesel vendor, Minnesota Pollution Control Agency's "Emission Factors for Priority Biofuels in Minnesota" (June 30, 2007), or other data approved by the Department of Health.

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- d. The following equation shall be used to calculate the 836 kW biodiesel emergency generator's HAPs emissions:

$$\text{Emission factor (lb/MMBtu)} \times \text{Higher Heating Value (MMBtu/gallon)} \times \text{Fuel Consumption (gallons/year)}$$

Emission factors for HAPs shall be from one or more of the following sources:

- i. AP-42 data; and
- ii. Other data approved by the Department of Health.

The biodiesel HHV shall be from the biodiesel vendor, Minnesota Pollution Control Agency's "Emission Factors for Priority Biofuels in Minnesota" (June 30, 2007), or other data approved by the Department of Health. The fuel consumption of biodiesel (gallons/year) shall be based on the hour meter reading (hours/year) and fuel consumption rate (gallons/hour) at the maximum load as specified by the manufacturer.

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

5. Attachment II, Special Condition No. F.6.a.vi

- vi. The CO and NO_x emissions from the facility on a monthly and rolling twelve-month (12-month) basis. Facility emissions shall include emissions during periods of boiler startups, shutdowns, and malfunction or upset conditions; and emissions from the 836 kW emergency biodiesel engine generator;

6. Attachment II, Special Condition No. F.6.a.vii

- vii. The total of all HAPs emissions and the largest individual HAP emissions from the facility on a monthly and rolling twelve-month (12-month) basis. Facility emissions shall include emissions during periods of boiler startups, shutdowns, and malfunction or upset conditions; and emissions from the 836 kW emergency biodiesel engine generator; and

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7. Attachment II, Special Condition No. G.1.c

- c. Chlorine, Acetaldehyde, Acrolein, Benzene, Dichloromethane, Formaldehyde, Manganese, Naphthalene, Styrene, and Toluene Emissions
 - i. Within **sixty (60) days** after achieving the maximum production rate of the boiler, but not later than **one hundred eighty (180) days** after initial start-up of the boiler, and **annually** thereafter, the permittee shall conduct, or cause to be conducted, performance tests on the boiler to determine the emission rates of Chlorine, Acetaldehyde, Acrolein, Benzene, Dichloromethane, Formaldehyde, Manganese, Naphthalene, Styrene, and Toluene Emissions in lb/MMBtu and lb/hr. The source test for Chlorine, Acetaldehyde, Acrolein, Benzene, Dichloromethane, Formaldehyde, Manganese, Naphthalene, Styrene, and Toluene emissions shall be performed with the boiler firing wood fuel.
 - ii. The permittee shall not conduct performance tests during periods of startup, shutdown, or malfunction.
 - iii. The annual performance test may be waived for up to two (2) consecutive years if the last test results show a compliance margin of at least ten (10) percent of assumed emission factor in the permit review summary.

(Auth.: HAR '11-60.1-173)¹

8. Attachment II, Special Condition No. G.2

2. Boiler Test Methods

Performance tests for CO, NO_x, SO₂, VOC, PM/PM₁₀, HCl, opacity of visible emissions, NH₃, Chlorine, Acetaldehyde, Acrolein, Benzene, Dichloromethane, Formaldehyde, Manganese, Naphthalene, Styrene, and Toluene shall be conducted and the results reported in accordance with test methods set forth in 40 CFR §60.8, 40 CFR Part 60, Appendix A, 40 CFR Part 63, Appendix A, and 40 CFR Part 51, Appendix M. The performance tests shall be conducted at the maximum expected capacity of the boiler. The following test methods or U.S. EPA approved equivalent methods or other methods with prior written consent from the Department of Health shall be used:

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- a. Performance tests for CO emissions shall be conducted using EPA Methods 1-4, 10 and 19;
- b. Performance tests for NO_x emissions shall be conducted using EPA Methods 1-4, 7E and 19;
- c. Performance tests for SO₂ emissions shall be conducted using EPA Methods 1-4, and 6 or 6c;
- d. Performance tests for VOC emissions shall be conducted using EPA Methods 1-4 and 25;
- e. Performance tests for PM/PM₁₀ emissions shall be conducted as provided under Attachment II, Special Condition No. G.3;
- f. Performance tests for HCl and Chlorine emissions shall be conducted using EPA Methods 1-4 and Method 26 or 26A;
- g. During the initial performance test, compliance with the opacity standard of Attachment II, Special Condition No. C.4, shall be determined in accordance with 40 CFR §60.46b(d)(7) and §63.11224(e)(2). The permittee shall record COMS data produced during the initial performance test and shall furnish the Department of Health a written report of the monitoring results along with the Method 9 and 40 CFR §60.8 and §63.7 performance test results;
- h. During the annual performance tests, compliance with the opacity standard of Attachment II, Special Condition No. C.4 shall be determined with COMS data collection in accordance with 40 CFR §60.11(e)(5);
- i. Performance tests for NH₃ emissions shall be conducted using EPA Conditional Test Method 027 (CTM-027);
- j. Performance tests for Acetaldehyde, Acrolein, Benzene, Dichloromethane, Formaldehyde, Naphthalene, Styrene, and Toluene shall be conducted using EPA Method 320;
- k. Performance test for Manganese shall be conducted using EPA Method 29; and
- l. The performance tests shall consist of three (3) separate runs for each pollutant using the applicable test method. For the purpose of determining compliance with an applicable regulation, the arithmetic mean of the results from the three (3) runs shall apply.

(Auth.: HAR '11-60.1-3, '11-60.1-11, '11-60.1-90; '11-60.1-161, '11-60.1-173, 40 CFR Part 60 Appendix A, '60.8, '60.46b, §63.7, §63.11224(e)(2))¹

9. Added Attachment II, Special Condition No. E.2.d.iii

- iii. Compliance with the boiler's total heat input limits specified in Attachment II, Special Condition No. D.1.a.iii when firing biodiesel shall be calculated using the following equation:

Higher Heating Value (MMBtu/gallon) x Fuel Consumption (gallons/year)

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10. Added Attachment II, Special Condition No. F.6.a.viii
 - viii. Supporting documents (i.e., source of emission factors and copies of the source documents) and calculations showing the basis of the emissions for Attachment II, Special Condition Nos. F.6.a.vi and F.6.a.vii.
11. The enclosed Attachment II-INSIG shall supersede in its entirety the corresponding Attachment II-INSIG issued with CSP No. 0724-01-C on August 31, 2011.
12. The enclosed *Annual Emissions Report Form: Fuel and Production* shall supersede in its entirety the corresponding *Annual Emissions Report Form: Fuel and Production* issued with CSP No. 0724-01-C on August 31, 2011.
13. The enclosed *Monitoring Report Form: Boiler Fuel, ESP and Baghouse, Emission Caps* shall supersede in its entirety the corresponding *Monitoring Report Form: Boiler Fuel, ESP and Baghouse, Emission Caps* issued with CSP No. 0724-01-C on August 31, 2011.

If there are any questions regarding these matters, please contact Mr. Darin Lum of the Clean Air Branch at (808) 586-4200.

Sincerely,

STUART YAMADA, P.E., CHIEF
Environmental Management Division

DL:rkb
Enclosures

c: CAB Monitoring Section

**ATTACHMENT II - INSIG
SPECIAL CONDITIONS - INSIGNIFICANT ACTIVITIES
COVERED SOURCE PERMIT NO. 0724-01-C**

Amended Date:

Expiration Date: August 30, 2016

In addition to the Standard Conditions of the Covered Source Permit, 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, including the following:

One (1) 836 kW emergency biodiesel engine generator, Detroit Diesel, 12V-2000 G60.

(Auth.: HAR §11-60.1-3)

Section B. Operational Limitations

1. The 836 kW emergency biodiesel engine generator shall only be fired on biodiesel (S15).
2. The permittee shall take measures to operate applicable insignificant activities in accordance with the provisions of HAR, Subchapter 2 for visible emissions, fugitive dust, incineration, process industries, sulfur oxides from fuel combustion, storage of volatile organic compounds, volatile organic compound water separation, pump and compressor requirements, and waste gas disposal.
3. The Department of Health 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, §11-60.1-82, §11-60.1-90)

(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 permittee shall install, operate and maintain a non-resetting hour meter on the 836 kW emergency biodiesel engine generator for the continuous and permanent recording of the total hours of operation of the engines for the purpose of showing compliance with Attachment II, Special Condition Nos. C.6 and C.7.
2. The non-resetting meter shall not allow the manual resetting or other manual adjustments of the meter readings. The installation of any new non-resetting meters or the replacement of any existing non-resetting meters shall be designed to accommodate a minimum of five

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

(5) years of equipment operation, considering any operational limitations, before the meter returns to a zero reading.

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

3. The permittee shall keep records of the total hours of operation of the 836 kW emergency biodiesel engine generator on a monthly and rolling 12-month basis to demonstrate compliance with Attachment II, Special Condition Nos. C.6 and C.7. Monthly records shall include:
 - i. Date of meter reading;
 - ii. Meter reading at the beginning of each month;
 - iii. Total hours of operation for each month; and
 - iv. Total hours of operation on a rolling 12-month basis.

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

4. The Department of Health 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)

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

1. The identification of each term or condition of the permit that is the basis of the certification;
2. The compliance status;
3. Whether compliance was continuous or intermittent;

4. The methods used for determining the compliance status of the source currently and over the reporting period;
5. Any additional information indicating the source's compliance status with any applicable enhanced monitoring and compliance certification including the requirements of Section 114(a)(3) of the Clean Air Act or any applicable monitoring and analysis provisions of Section 504(b) of the Clean Air Act; and
6. Any additional information as required by the Department of Health 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 of Health 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 Covered Source Permit shall be done in accordance with Attachment I, Standard Condition No. 28.

(Auth.: HAR §11-60.1-4, §11-60.1-90)

PROPOSED

**ANNUAL EMISSIONS REPORT FORM: FUEL AND PRODUCTION
COVERED SOURCE PERMIT NO. 0724-01-C**

Amended Date: _____

Expiration Date: August 30, 2016

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: _____

Facility: _____

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): _____

Fuel Usage and Annual Capacity Factor: In Table 1, report on the quantity of each fuel used by the boiler and on the annual capacity factor for wood fuel.

Table 1: Boiler Fuel Usage and Annual Capacity Factor		
Fuel	Annual Usage	Annual Capacity Factor
Wood	(tons)	
Biodiesel (S15)	(gallons)	N/A

Fuel Usage: In Table 2, report on the quantity of fuel used by the 836 kW emergency biodiesel engine generator.

Table 2: 836 kW Emergency Biodiesel Engine Generator	
Fuel	Annual Usage
Biodiesel (S15)	(gallons)

PROPOSED

**MONITORING REPORT FORM: BOILER FUEL, ESP AND BAGHOUSE,
EMISSION CAPS
COVERED SOURCE PERMIT NO. 0724-01-C
(PAGE 1 OF 5)**

Amended Date: _____

Expiration Date: August 30, 2016

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

(Make Copies for Future Use)

For Period: _____ Date: _____

Facility: _____

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): _____

Biodiesel (S15) Fuel Usage During Startup:

Table 1: Biodiesel Usage		
Month	Monthly Basis (gallons)	Rolling 12-Mo. Basis (gallons)
January		
February		
March		
April		
May		
June		
July		
August		
September		
October		
November		
December		

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**MONITORING REPORT FORM: BOILER FUEL, ESP AND BAGHOUSE,
EMISSION CAPS
COVERED SOURCE PERMIT NO. 0724-01-C
(PAGE 2 OF 5)**

Amended Date:

Expiration Date: August 30, 2016

Treated Wood: In Table 2, report on any instances where treated wood was fired in the boiler during the reporting period. Include instances where wood fired was painted or chemically treated. If no such incidents occurred, state so below.

Table 2: Treated Wood Fuel		
Date	Type of Treated Wood	Quantity Fired

Table 3: ESP Operating Voltage Below Normal			
Date	Start Time	End Time	Corrective Action Taken

Table 4: Baghouse Pressure Drop Above Normal			
Date	Start Time	End Time	Corrective Action Taken

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**MONITORING REPORT FORM: BOILER FUEL, ESP AND BAGHOUSE,
EMISSION CAPS
COVERED SOURCE PERMIT NO. 0724-01-C
(PAGE 3 OF 5)**

Amended Date:

Expiration Date: August 30, 2016

Biodiesel (S15) and Wood Heat Input:

Table 5: Biodiesel and Wood Heat Input				
Month	Biodiesel Heat Input, Monthly Basis (MMBtu)	Wood Heat Input, Monthly Basis (MMBtu)	Total Biodiesel and Wood Heat Input, Monthly Basis (MMBtu)	Total Biodiesel and Wood Heat Input, Rolling 12-Mo. Basis (MMBtu)
January				
February				
March				
April				
May				
June				
July				
August				
September				
October				
November				
December				

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**MONITORING REPORT FORM: BOILER FUEL, ESP AND BAGHOUSE,
EMISSION CAPS
COVERED SOURCE PERMIT NO. 0724-01-C
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CO and NO_x Facility Emissions:

Facility emissions shall include emissions during periods of boiler startups, shutdowns, and malfunction or upset conditions; and emissions from the 836 kW emergency biodiesel engine generator.

Table 5: <u>CO and NO_x Emissions</u>				
Month	CO Emissions, Monthly Basis (tpy)	CO Emissions, Rolling 12-Mo. Basis (tpy)	NO_x Emissions, Monthly Basis (tpy)	NO_x Emissions, Rolling 12-Mo. Basis (tpy)
January				
February				
March				
April				
May				
June				
July				
August				
September				
October				
November				
December				

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**MONITORING REPORT FORM: BOILER FUEL, ESP AND BAGHOUSE,
EMISSION CAPS
COVERED SOURCE PERMIT NO. 0724-01-C
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Amended Date:

Expiration Date: August 30, 2016

HAPs Facility Emissions:

Facility emissions shall include emissions during periods of boiler startups, shutdowns, and malfunction or upset conditions; and emissions from the 836 kW emergency biodiesel engine generator.

Table 6: <u>HAPs Emissions</u>				
Month	Total HAPs Emissions, Monthly Basis (tpy)	Total HAPs Emissions, Rolling 12-Mo. Basis (tpy)	Largest Individual HAP Emissions, Monthly Basis (tpy)	Largest Individual HAP Emissions, Rolling 12-Mo. Basis (tpy)
January				
February				
March				
April				
May				
June				
July				
August				
September				
October				
November				
December				

Largest Individual HAP _____