

PUBLIC UTILITIES COMMISSION
505 Van Ness Avenue
San Francisco CA 94102-3298



Pacific Gas & Electric Company
ELC (Corp ID 39)
Status of Advice Letter 6234E
As of July 14, 2021

Subject: Information-Only Advice Letter Regarding Air Pollution Control Information on Tree Mortality Contracts in Compliance with Decision (D.) 18-12-003

Division Assigned: Energy

Date Filed: 06-21-2021

Date to Calendar: 06-23-2021

Authorizing Documents: D1812003

Disposition:	Accepted
Effective Date:	06-21-2021

Resolution Required: No

Resolution Number: None

Commission Meeting Date: None

CPUC Contact Information:

edtariffunit@cpuc.ca.gov

AL Certificate Contact Information:

Stuart Rubio

415-973-4587

PGETariffs@pge.com

PUBLIC UTILITIES COMMISSION
505 Van Ness Avenue
San Francisco CA 94102-3298



To: Energy Company Filing Advice Letter

From: Energy Division PAL Coordinator

Subject: Your Advice Letter Filing

The Energy Division of the California Public Utilities Commission has processed your recent Advice Letter (AL) filing and is returning an AL status certificate for your records.

The AL status certificate indicates:

- Advice Letter Number
- Name of Filer
- CPUC Corporate ID number of Filer
- Subject of Filing
- Date Filed
- Disposition of Filing (Accepted, Rejected, Withdrawn, etc.)
- Effective Date of Filing
- Other Miscellaneous Information (e.g., Resolution, if applicable, etc.)

The Energy Division has made no changes to your copy of the Advice Letter Filing; please review your Advice Letter Filing with the information contained in the AL status certificate, and update your Advice Letter and tariff records accordingly.

All inquiries to the California Public Utilities Commission on the status of your Advice Letter Filing will be answered by Energy Division staff based on the information contained in the Energy Division's PAL database from which the AL status certificate is generated. If you have any questions on this matter please contact the:

Energy Division's Tariff Unit by e-mail to
edtariffunit@cpuc.ca.gov

June 21, 2021

Advice 6234-E

(Pacific Gas and Electric Company U 39 E)

Public Utilities Commission of the State of California

Subject: Information-Only Advice Letter Regarding Air Pollution Control Information on Tree Mortality Contracts in Compliance with Decision (D.) 18-12-003

Purpose

In compliance with Decision (D.) 18-12-003 (the Decision), issued on December 21, 2018, Pacific Gas and Electric Company (PG&E) respectfully submits this information-only advice letter providing data on the Tree Mortality (TM)¹ facilities' compliance with air pollution control requirements, beginning from the latest available period for each respective TM contract.

Background

In Ordering Paragraph (OP) 6 of the Decision, the California Public Utilities Commission (Commission or CPUC) requires PG&E to collect air pollution control information on the TM facilities and to send an information-only advice letter to the Commission's Energy Division every six months, confirming whether the TM facilities under contract with PG&E have complied with their applicable air pollution control requirements over the previous six months, beginning six months after the date of the decision being issued.² If the TM facilities do not comply with their air pollution control requirements, OP 6 requires that PG&E explain the circumstances of the non-compliance, the steps taken by the TM facility operator to rectify the non-compliance, and if the non-compliance is ongoing the expected resolution of the non-compliance. Furthermore, OP 6 of the Decision requires that each

¹ Tree Mortality contracts are those entered into pursuant to Resolutions E-4770 and E-4805.

² D.18-12-003 was issued on December 21, 2018. Six months from this date falls on June 21, 2019. Six months from June 21, 2019 falls on December 21, 2019. Six months from December 21, 2019 falls on June 21, 2020. Six months from June 21, 2020 falls on December 21, 2020. Six months from December 21, 2020 falls on June 21, 2021.

advice letter state whether any of PG&E's TM contracts are with facilities operating in federal severe or extreme nonattainment areas for particulate matter or ozone.

Air Pollution Control Information Reporting

In compliance with the Decision, PG&E hereby submits the air pollution control information provided by each TM facility, included as each of the attachments listed below. PG&E is submitting attestations provided by each TM facility regarding compliance with the facility's applicable air pollution requirements, included as Attachment 1 and Attachment 3. The compliance certification reports provided by each TM facility have also been included as Attachment 2 and Attachment 4. These attachments explain the circumstances of any non-compliance or other deviations from air permit requirements during the applicable periods and the steps taken by the TM facility operator to rectify the non-compliance.

Additionally, the TM contracts under contract with PG&E do not operate in federal severe or extreme nonattainment areas for particulate matter or ozone.

Attachments

Attachment 1: Wheelabrator Shasta Air Quality Attestation
Attachment 2: Wheelabrator Shasta Compliance Certification Reports
Attachment 3: Burney Forest Products Air Quality Attestation
Attachment 4: Burney Forest Products Compliance Certification Reports

Protests

This is an information-only advice letter submittal.³ Pursuant to General Order 96-B Section 6.2, PG&E is not seeking relief through this advice letter and is not subject to protest.

Effective Date

PG&E requests that this information-only advice letter become effective upon date of submittal, which is **June 21, 2021**.

Notice

In accordance with General Order 96-B, Section IV, a copy of this advice letter is being sent electronically and via U.S. mail to parties shown on the attached list **and the parties on the service list for A.16-11-005**. Address changes to the General Order 96-B service list should be directed to PG&E at email address PGETariffs@pge.com. For changes to any other service list, please contact the Commission's Process Office at

³ See D.18-12-003 (OP 6) (specifying that the Advice Letter shall be information-only).



ADVICE LETTER SUMMARY

ENERGY UTILITY



MUST BE COMPLETED BY UTILITY (Attach additional pages as needed)

Company name/CPUC Utility No.: Pacific Gas and Electric Company (U 39 E)

Utility type:

- ELC GAS WATER
 PLC HEAT

Contact Person: Stuart Rubio

Phone #: (415) 973-4587

E-mail: PGETariffs@pge.com

E-mail Disposition Notice to: SHR8@pge.com

EXPLANATION OF UTILITY TYPE

ELC = Electric GAS = Gas WATER = Water
 PLC = Pipeline HEAT = Heat

(Date Submitted / Received Stamp by CPUC)

Advice Letter (AL) #: 6234-E

Tier Designation: Information-Only

Subject of AL: Information-Only Advice Letter Regarding Air Pollution Control Information on Tree Mortality Contracts in Compliance with Decision (D.) 18-12-003

Keywords (choose from CPUC listing): Compliance

AL Type: Monthly Quarterly Annual One-Time Other:

If AL submitted in compliance with a Commission order, indicate relevant Decision/Resolution #: D.18-12-003

Does AL replace a withdrawn or rejected AL? If so, identify the prior AL: No

Summarize differences between the AL and the prior withdrawn or rejected AL: N/A

Confidential treatment requested? Yes No

If yes, specification of confidential information:

Confidential information will be made available to appropriate parties who execute a nondisclosure agreement. Name and contact information to request nondisclosure agreement/ access to confidential information:

Resolution required? Yes No

Requested effective date: 6/21/21

No. of tariff sheets: 0

Estimated system annual revenue effect (%): N/A

Estimated system average rate effect (%): N/A

When rates are affected by AL, include attachment in AL showing average rate effects on customer classes (residential, small commercial, large C/I, agricultural, lighting).

Tariff schedules affected: N/A

Service affected and changes proposed¹: N/A

Pending advice letters that revise the same tariff sheets: N/A

¹Discuss in AL if more space is needed.

Protests and all other correspondence regarding this AL are due no later than 20 days after the date of this submittal, unless otherwise authorized by the Commission, and shall be sent to:

CPUC, Energy Division
Attention: Tariff Unit
505 Van Ness Avenue
San Francisco, CA 94102
Email: EDTariffUnit@cpuc.ca.gov

Name: Sidney Bob Dietz II, c/o Megan Lawson
Title: Director, Regulatory Relations
Utility Name: Pacific Gas and Electric Company
Address: 77 Beale Street, Mail Code B13U
City: San Francisco, CA 94177
State: California Zip: 94177
Telephone (xxx) xxx-xxxx: (415)973-2093
Facsimile (xxx) xxx-xxxx: (415)973-3582
Email: PGETariffs@pge.com

Name:
Title:
Utility Name:
Address:
City:
State: District of Columbia Zip:
Telephone (xxx) xxx-xxxx:
Facsimile (xxx) xxx-xxxx:
Email:

PACIFIC GAS AND ELECTRIC COMPANY

ATTACHMENT 1

Wheelabrator Shasta Air Quality Attestation

**APPENDIX C
AIR QUALITY ATTESTATION**

[VIA ELECTRONIC SUBMISSION]

June 7, 2021

PG&E

*Attn: Energy Contract Management and Settlements
77 Beale Street, Mail Code N12E
San Francisco, CA 94105, 94105-1702*

Subject: Bioenergy Renewable Auction Mechanism Power Purchase Agreement (“BioRAM PPA”) by and between PG&E (“Buyer”) and *Shasta - Sustainable Resource Management Inc*, a Delaware corporation (“Seller”) – Seller’s Air Quality Attestation

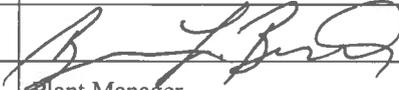
Dear Sir or Madam:

Pursuant to Section 3.11 of the BioRAM PPA, seller attests that the Project *was not* in compliance with all applicable air pollution and control requirements for the period beginning *December 1, 2020* and ending *May 31, 2021*. Seller hereby represents and warrants that:

1. This Air Quality Attestation *is* submitted in compliance to PG&E’s request dated June 1, 2021.
2. Seller *was not* in compliance with all applicable air pollution and control requirements for the period.
3. List of non-compliance: *Deviation to Title V permit conditions occurred during the 1st^d half of 2021 as detailed in the 2021 Deviation Report Forms. The deviations were: (1) on 4/26/21 there was a 6-minute excess opacity emission event; (2) on 1/21/21 there was one hour of ESP power records missing, and (3) on 4/18, during a black plant event, the fuel pile camera lost power for 24 hours..*

Compliance with the Project’s applicable air quality and control requirements is documented in the attached Air Pollution Report. Buyer may request additional information to accommodate reporting and demonstrate Seller’s compliance with air pollution and control requirements.

Capitalized terms used but not otherwise defined in this letter have the meanings set forth in the BioRAM PPA. The authorized signature from the Seller certifies that Seller has the knowledge and authority to attest that the information on this form is true and correct.

Seller	Shasta - Sustainable Resource Management Inc
Print Name	Bryan Booth
Signature	
Title	Plant Manager
Date	6/7/21

PACIFIC GAS AND ELECTRIC COMPANY

ATTACHMENT 2

**Wheelabrator Shasta Annual Certification and
Monthly Emissions Reports**

Facility Name: Shasta – Sustainable Resource Management
Reporting Period: December 1, 2020 to May 31, 2021
Facility Permit Number: 86-TV-08j

Report Due Date: June 10, 2021
Submittal: Monitoring Report (District Rule 5.VI.B.7)
 Compliance Schedule Progress Report
 Compliance Certification (District Rule 5.VI.B.14)

1. Facility Information

Company Name: Shasta – Sustainable Resource Management
Facility Name: Shasta – Sustainable Resource Management
Nature of Business: Power Generation

Mailing Address: 20811 Industry Road
Anderson, CA 96007
Street Address: Same as Mailing Address

2. See attached Applicable Requirements Tables, and associated attachments for required reporting information. Terms used in the table are defined below.

An **excursion** is defined as “a departure from an indicator or surrogate parameter range established for monitoring under the applicable requirement or part 70 permit condition, consistent with any averaging period specified for averaging the results of the monitoring.”
An **exceedance** is defined as “a condition that is detected by monitoring that provides data in terms of an emission limitation or standard and that indicates that emissions (or opacity) are greater than the applicable emission limitation or standard (or less than the applicable standard in the case of percent reduction requirement) consistent with any averaging period specified for averaging the results of the monitoring.”

3. CERTIFICATION

Statement of Certification:

I certify based on information and belief formed after reasonable inquiry, the statement and information in this document and attachments are true, accurate, and complete.

BRYAN L. BOOTH
Name of Responsible Official Certifying Compliance

PLANT MANAGER SHASTA-SUSTAINABLE RESOURCE MANAGEMENT
Title of Responsible Official and Company Name


Signature of Responsible Official

6/7/21
Date

Annual Compliance Certifications (District Rule 5.VI.B.14) must also be submitted to:

U.S. EPA Region IX
Air Division (AIR-3)
75 Hawthorne Street
San Francisco, CA 94105-3901

Facility Name: Shasta – Sustainable Resource Management
 Reporting Period: December 1, 2020 to May 31, 2021
 Facility Permit: 86-TV-08j

Report Due Date: June 2021

Submittal Type:

- | | |
|-------------------------------------|--|
| <input checked="" type="checkbox"/> | Monitoring Report (District Rule 5.VI.B.7) |
| <input checked="" type="checkbox"/> | Compliance Schedule Progress Report |
| <input type="checkbox"/> | Compliance Certification (District Rule 5.VI.B.14) |

Applicable Requirements Table													
Permit(s) & Conditions(s)	Compliance Determination Method (frequency, test method, etc....)	Currently in Compliance?	Compliance Determination Method		During the Reporting Period (If yes to any question, attach Form 5-L)						Source Testing Required by Permit? (If yes, attach Form 5-K2 or summary)		
					Any Excursions?		Any Exceedances?		Other Information Indicating Non-Compliance?				
86-VP-08h and 86-TV-08i Condition 1	Standard Emission Limits - Compliance with other permit terms, along with equipment design, assures compliance with these general limits.	X Yes No	X	X	Yes	X No	Yes	X No	Yes	X No	Yes	X No	
86-VP-08h and 86-TV-08i Condition 2	Photochemically Reactive Solvents - Use low VOC solvent in the plant's parts washer.	X Yes No		X	Yes	X No	Yes	X No	Yes	X No	Yes	X No	
86-VP-08h and 86-TV-08i Condition 3	Stack Opacity Limits – Maintain Continuous Opacity Monitors (COMS) and computer to calculate 6-minute block averages. Maintain at least one Visible Emissions Evaluator at the site and perform daily stack readings using Method 9.	X Yes No	X		Yes	X No	X	Yes	No	Yes	X No	Yes	X No
86-VP-08h and 86-TV-08i Condition 4	BACT - Maintain BACT at the facility, review excess emissions to verify that BACT systems were operating.	X Yes No		X	Yes	X No	Yes	X No	Yes	X No	Yes	X No	
86-VP-08h and 86-TV-08i Condition 5a (District-only requirement)	Particulate Limits - Conduct Annual Stack Testing for Particulate using EPA Method 5 and ARB Method 5	X Yes No		X	Yes	X No	Yes	X No	Yes	X No	X	Yes	No
86-VP-08h and 86-TV-08i Condition 5b (District-only requirement)	NMHC Limits - Conduct VOC testing according to EPA Method 18/25A at the frequency specified in Condition 28.	X Yes No		X	Yes	X No	Yes	X No	Yes	X No	X	Yes	No
86-VP-08h and 86-TV-08i Condition 5c (District-only requirement)	SOx Limits - Note - RR Ties are no longer permitted under Boiler MACT.	X Yes No		X	Yes	X No	Yes	X No	Yes	X No	X	Yes	No
86-VP-08h and 86-TV-08i Condition 5d (District-only requirement)	NOx and Ammonia Limits - Maintain Continuous Emissions Monitoring System (CEMS) for NOx. Conduct Annual Stack Test for Ammonia.	X Yes No	X	X	Yes	X No	Yes	X No	Yes	X No	X	Yes	No
86-VP-08h and 86-TV-08i Condition 5e (District-only requirement)	CO Limits - Conduct Annual Compliance Testing using ARB Method 100 and maintain Continuous Emission Monitoring System for CO.	X Yes No	X	X	Yes	X No	Yes	X No	Yes	X No	X	Yes	No

Facility Name: Shasta – Sustainable Resource Management
 Reporting Period: December 1, 2020 to May 31, 2021
 Facility Permit: 86-TV-08j

Report Due Date:
 Submittal Type:

June 2021

- | | |
|-------------------------------------|--|
| <input checked="" type="checkbox"/> | Monitoring Report (District Rule 5.VI.B.7) |
| <input checked="" type="checkbox"/> | Compliance Schedule Progress Report |
| <input type="checkbox"/> | Compliance Certification (District Rule 5.VI.B.14) |

Applicable Requirements Table														
Permit(s) & Conditions(s)	Compliance Determination Method (frequency, test method, etc....)	Currently in Compliance?	Compliance Determination Method		During the Reporting Period (If yes to any question, attach Form 5-L)									Source Testing Required by Permit? (If yes, attach Form 5-K2 or summary)
					Any Excursions?			Any Exceedances?			Other Information Indicating Non-Compliance?			
86-VP-08h and 86-TV-08i Condition 6 (District-only requirement)	Fugitive Emissions Control - Maintain dust control systems, high wind speed actions, ash handling, housekeeping and work practices.	X Yes No	Continuous	X Intermittent	Yes X No	Yes X No	Yes X No	Yes X No	Yes X No	Yes X No	Yes X No	Yes X No		
86-VP-08h and 86-TV-08i Condition 7	Emission Offsets - Maintain a database of fuel purchased for the facility, tracking fuel purchases from within the Sacramento River Air Basin of fuel that would otherwise have been open burned. Calculate offsets on an annual basis using ARB Manual of Procedures (MOP).	X Yes No	Continuous	X Intermittent	Yes X No	Yes X No	Yes X No	Yes X No	Yes X No	Yes X No	Yes X No	Yes X No		
86-VP-08h and 86-TV-08i Condition 8	Emission Offsets – Obtain appropriate offsets that meet requirements and submit report to AQMD.	X Yes No	Continuous	X Intermittent	Yes X No	Yes X No	Yes X No	Yes X No	Yes X No	Yes X No	Yes X No	Yes X No		
86-VP-08h and 86-TV-08i Condition 9	Excess Emissions – Take immediate action on excess emissions. Conduct Annual Stack Testing and maintain Continuous Emissions Monitoring System.	X Yes No	Continuous	X Intermittent	Yes X No	Yes X No	Yes X No	Yes X No	Yes X No	Yes X No	Yes X No	Yes X No		
86-VP-08h and 86-TV-08i Condition 10	Halogenated Solvent Degreaser - Obtain AQMD approval prior to using halogenated solvent in the cold cleaning solvent degreaser.	X Yes No	Continuous	X Intermittent	Yes X No	Yes X No	Yes X No	Yes X No	Yes X No	Yes X No	Yes X No	Yes X No		
86-VP-08h and 86-TV-08i Condition 11	Fuel Sources - Maintain fuel database, track fuel sources for the facility and implement fuel quality control procedures. Prior to using fuels listed in Condition 11.h, fuel must be determined to qualify as a non-hazardous secondary material.	X Yes No	Continuous	X Intermittent	Yes X No	Yes X No	Yes X No	Yes X No	Yes X No	Yes X No	Yes X No	Yes X No		
86-VP-08h and 86-TV-08i Condition 12	Fuel Process Rates - Maintain fuel database tracking fuel sources for the facility. Maintain facility capacity factor and submit to the District in the monthly report.	X Yes No	Continuous	X Intermittent	Yes X No	Yes X No	Yes X No	Yes X No	Yes X No	Yes X No	Yes X No	Yes X No		
86-VP-08h and 86-TV-08i Condition 13 (District-only requirement)	Fuel Supplier Agreements – Include stipulation that fuel suppliers obtain and maintain required licenses, permits and other governmental approvals. Maintain records of fuel supplier fuel agreements.	X Yes No	Continuous	X Intermittent	Yes X No	Yes X No	Yes X No	Yes X No	Yes X No	Yes X No	Yes X No	Yes X No		
86-VP-08h and 86-TV-08i Condition 14	Standards for Performance for CISWI, If Applicable – Maintain fuel database tracking fuel sources for the facility, demonstrating that solid waste, as determined in 40 CFR 241, are not used as fuel.	X Yes No	Continuous	X Intermittent	Yes X No	Yes X No	Yes X No	Yes X No	Yes X No	Yes X No	Yes X No	Yes X No		

Facility Name: Shasta – Sustainable Resource Management
 Reporting Period: December 1, 2020 to May 31, 2021
 Facility Permit: 86-TV-08j

Report Due Date:
 Submittal Type:

June 2021

- | | |
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| <input checked="" type="checkbox"/> | Monitoring Report (District Rule 5.VI.B.7) |
| <input checked="" type="checkbox"/> | Compliance Schedule Progress Report |
| <input type="checkbox"/> | Compliance Certification (District Rule 5.VI.B.14) |

Applicable Requirements Table												
Permit(s) & Conditions(s)	Compliance Determination Method (frequency, test method, etc....)	Currently in Compliance?	Compliance Determination Method		During the Reporting Period (If yes to any question, attach Form 5-L)						Source Testing Required by Permit? (If yes, attach Form 5-K2 or summary)	
					Any Excursions?		Any Exceedances?		Other Information Indicating Non-Compliance?			
86-VP-08h and 86-TV-08i Condition 15	Air Pollution Control Equipment - Maintain facility such that the Air Pollution Control equipment is in service while combustion process is occurring.	X Yes No	X	X	Yes	X No	Yes	X No	Yes	X No	Yes	X No
86-VP-08h and 86-TV-08i Condition 16	CEMS - Maintain the Continuous Emissions Monitoring System (CEMS) and Data Acquisition System (DAS). Review emissions data monthly and summarize monitor downtime in the monthly report.	X Yes No	X	X	Yes	X No	Yes	X No	Yes	X No	Yes	X No
86-VP-08h and 86-TV-08i Condition 17	Fuel Turnover – Maintain fuel turnover to less than 180 days. Compliance is demonstrated by following the Fuel Management Plan (Condition 54).	X Yes No		X	Yes	X No	Yes	X No	Yes	X No	Yes	X No
86-VP-08h and 86-TV-08i Condition 19	Steam Limits - Maintain the DAS and fuel use database.	X Yes No	X		Yes	X No	Yes	X No	Yes	X No	Yes	X No
86-VP-08h and 86-TV-08i Condition 20	Water Treatment Chemicals – Ensure no chrome-based water treatment chemicals are used.	X Yes No	X		Yes	X No	Yes	X No	Yes	X No	Yes	X No
86-VP-08h and 86-TV-08i Condition 21a - 21f	Combustion and Control Parameters - Maintain the Bailey/NT Boiler Control system for conditions 21b through 21f. Maintain DAS and fuel use database for Condition 21a.	X Yes No	X	X	Yes	X No	Yes	X No	Yes	X No	Yes	X No
86-VP-08h and 86-TV-08i Condition 21g	Sulfur in Fuels - monitor if use new fuels	X Yes No		X	Yes	X No	Yes	X No	Yes	X No	Yes	X No
86-VP-08h and 86-TV-08i Condition 22	Emission Reports - Submit a monthly report containing the required information to the District by the first day of the following month.	X Yes No		X	Yes	X No	Yes	X No	Yes	X No	Yes	X No
86-VP-08h and 86-TV-08i Condition 23 (District-only requirement)	Deodorizer Use Records – Maintain monthly deodorizer use records along with calendar year totals.	X Yes No		X	Yes	X No	Yes	X No	Yes	X No	Yes	X No

Facility Name: Shasta – Sustainable Resource Management
 Reporting Period: December 1, 2020 to May 31, 2021
 Facility Permit: 86-TV-08j

Report Due Date: June 2021

Submittal Type: Monitoring Report (District Rule 5.VI.B.7)
 Compliance Schedule Progress Report
 Compliance Certification (District Rule 5.VI.B.14)

Applicable Requirements Table											
Permit(s) & Conditions(s)	Compliance Determination Method (frequency, test method, etc....)	Currently in Compliance?	Compliance Determination Method	During the Reporting Period (If yes to any question, attach Form 5-L)						Source Testing Required by Permit? (If yes, attach Form 5-K2 or summary)	
				Any Excursions?		Any Exceedances?		Other Information Indicating Non-Compliance?			
86-VP-08h and 86-TV-08i Condition 24	Emission Test Methods – Use only stipulated test methods unless approved in advance.	X Yes No	Continuous X Intermittent	Yes X No	Yes X No	Yes X No	Yes X No	Yes X No	Yes X No		
86-VP-08h and 86-TV-08i Condition 25	Annual Source Test – Conduct annual source test for PM and ammonia. Annually test for SOx feeding creosote-treated wood at rates as indicated.	X Yes No	Continuous X Intermittent	Yes X No	Yes X No	Yes X No	Yes X No	X Yes No			
86-VP-08h and 86-TV-08i Condition 26	Annual Source Test Process Rate – Conduct annual source test within 90% of full operation in accordance with District Rule 3.26.	X Yes No	Continuous X Intermittent	Yes X No	Yes X No	Yes X No	Yes X No	X Yes No			
86-VP-08h and 86-TV-08i Condition 27	Source Test – Use independent vendor; Comply with approved test method procedures.	X Yes No	Continuous X Intermittent	Yes X No	Yes X No	Yes X No	Yes X No	Yes X No			
86-VP-08h and 86-TV-08i Condition 28	Source Tests - Perform source tests at the required frequency. Submit test reports to AQMD as required.	X Yes No	Continuous X Intermittent	Yes X No	Yes X No	Yes X No	Yes X No	Yes X No			
86-VP-08h and 86-TV-08i Condition 29	Excess Emissions - Maintain a log of APCO notifications. Report within 4 hours	X Yes No	Continuous X Intermittent	Yes X No	Yes X No	Yes X No	Yes X No	Yes X No			
86-VP-08h and 86-TV-08i Condition 30	Permit Deviations - Maintain a log of APCO notifications.	X Yes No	Continuous X Intermittent	Yes X No	Yes X No	Yes X No	Yes X No	Yes X No			
86-VP-08h and 86-TV-08i Condition 31	Semi-Annual Compliance Reports - Submit the semi-annual compliance certification to the District by the required date.	X Yes No	Continuous X Intermittent	Yes X No	Yes X No	Yes X No	Yes X No	Yes X No			
86-VP-08h and 86-TV-08i Condition 32	Annual Compliance Reports - Submit annual certification to the District and U.S. EPA.	X Yes No	Continuous X Intermittent	Yes X No	Yes X No	Yes X No	Yes X No	Yes X No			

Facility Name: Shasta – Sustainable Resource Management
 Reporting Period: December 1, 2020 to May 31, 2021
 Facility Permit: 86-TV-08j

Report Due Date: June 2021

Submittal Type: Monitoring Report (District Rule 5.VI.B.7)
 Compliance Schedule Progress Report
 Compliance Certification (District Rule 5.VI.B.14)

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Permit(s) & Conditions(s)	Compliance Determination Method (frequency, test method, etc....)	Currently in Compliance?		Compliance Determination Method		During the Reporting Period (If yes to any question, attach Form 5-L)						Source Testing Required by Permit? (If yes, attach Form 5-K2 or summary)				
						Any Excursions?		Any Exceedances?		Other Information Indicating Non-Compliance?						
86-VP-08h and 86-TV-08i Condition 33	Emission Limit Demonstration – Verify compliance with standard limits upon request. No request was made.	X	Yes	No	Continuous	X	Intermittent	Yes	X	No	Yes	X	No	Yes	X	No
86-VP-08h and 86-TV-08i Condition 34	Visible Emission Observations - Use opacity monitor for compliance with visible emissions limits.	X	Yes	No	Continuous	X	Intermittent	Yes	X	No	Yes	X	No	Yes	X	No
86-VP-08h and 86-TV-08i Condition 35	Monitoring and Support Records - Maintain records of maintenance and operation. Maintain CEMS data records.	X	Yes	No	X	Continuous	Intermittent	Yes	X	No	Yes	X	No	Yes	X	No
86-VP-08h and 86-TV-08i Condition 36	Emission Increases – Notify AQMD of changes that increase emissions.	X	Yes	No	Continuous	X	Intermittent	Yes	X	No	Yes	X	No	Yes	X	No
86-VP-08h and 86-TV-08i Condition 37	File of all Measurements & Other Information Required in 40 CFR 60 - Maintain file of all measurements and other information required in 40 CFR 60 including CEMS, performance testing, etc.....	X	Yes	No	Continuous	X	Intermittent	Yes	X	No	Yes	X	No	Yes	X	No
86-VP-08h and 86-TV-08i Condition 38	Compliance Test Notification & Report Submittals - Maintain all APCO correspondence pertaining to notification of emission testing and testing results.	X	Yes	No	Continuous	X	Intermittent	Yes	X	No	Yes	X	No	Yes	X	No
86-VP-08h and 86-TV-08i Condition 39	Testing Facilities - Maintain a safe stack sampling location.	X	Yes	No	Continuous	X	Intermittent	Yes	X	No	Yes	X	No	Yes	X	No
86-VP-08h and 86-TV-08i Condition 40 (District-only requirement)	Wind Speed and Direction - Maintain a wind speed/direction monitor at the site. Data is recorded on electronic media.	X	Yes	No	X	Continuous	Intermittent	Yes	X	No	Yes	X	No	Yes	X	No
86-VP-08h and 86-TV-08i Condition 41	Good Operating Practices – Operate and maintain equipment to minimize emissions.	X	Yes	No	X	Continuous	Intermittent	Yes	X	No	Yes	X	No	Yes	X	No

Facility Name: Shasta – Sustainable Resource Management
 Reporting Period: December 1, 2020 to May 31, 2021
 Facility Permit: 86-TV-08j

Report Due Date: June 2021

Submittal Type: Monitoring Report (District Rule 5.VI.B.7)
 Compliance Schedule Progress Report
 Compliance Certification (District Rule 5.VI.B.14)

Applicable Requirements Table												
Permit(s) & Conditions(s)	Compliance Determination Method (frequency, test method, etc....)	Currently in Compliance?	Compliance Determination Method		During the Reporting Period (If yes to any question, attach Form 5-L)						Source Testing Required by Permit? (If yes, attach Form 5-K2 or summary)	
					Any Excursions?		Any Exceedances?		Other Information Indicating Non-Compliance?			
86-VP-08h and 86-TV-08i Condition 42	Opacity Monitors Span & Data Acquisition – Maintain properly designed and installed opacity monitors. Maintain COMS data records.	X Yes No	X	Continuous Intermittent	Yes X No	Yes X No	Yes X No	Yes X No	Yes X No	Yes X No	Yes X No	
86-VP-08h and 86-TV-08i Condition 43	CEMs Data – Maintain CEMs operational and log of AQMD notifications.	X Yes No	X	Continuous Intermittent	Yes X No	Yes X No	Yes X No	Yes X No	Yes X No	Yes X No	Yes X No	
86-VP-08h and 86-TV-08i Condition 44	Fuels & Capacity Factor – Maintain records of amounts of each fuel used. Maintain a record of monthly rolling annual capacity factor for each boiler.	X Yes No		Continuous X Intermittent	Yes X No	Yes X No	Yes X No	Yes X No	Yes X No	Yes X No	Yes X No	
86-VP-08h and 86-TV-08i Condition 45	Risk Management Plan - Maintain Risk Management Plan.	X Yes No		Continuous X Intermittent	Yes X No	Yes X No	Yes X No	Yes X No	Yes X No	Yes X No	Yes X No	
86-VP-08h and 86-TV-08i Condition 46	CAM Plan - Maintain ESP monitoring computer and records required by the Compliance Assured Monitoring (CAM) Plan.	X Yes No	X	Continuous Intermittent	Yes X No	Yes X No	Yes X No	Yes X No	Yes X No	Yes X No	Yes X No	
86-VP-08h and 86-TV-08i Condition 47	ESP Power - Maintain ESP power monitoring system.	X Yes No	X	Continuous Intermittent	X Yes No	Yes X No	Yes X No	Yes X No	Yes X No	Yes X No	Yes X No	
86-VP-08h and 86-TV-08i Condition 48	ESP Power Excursions - Respond to and report as excursions all periods where the power requirement is not met. Maintain power input greater than 22 kw.	X Yes No		Continuous X Intermittent	Yes X No	Yes X No	Yes X No	Yes X No	Yes X No	Yes X No	Yes X No	
86-VP-08h and 86-TV-08i Condition 49	Semi-Annual NSPS Excess Emission Report - Submit semi-annual excess emission report to USEPA Region IX.	X Yes No		Continuous X Intermittent	Yes X No	Yes X No	Yes X No	Yes X No	Yes X No	Yes X No	Yes X No	
86-VP-08h and 86-TV-08i Condition 50	Semi-Annual NSPS Summary Report - Submit semi-annual summary report.	X Yes No		Continuous X Intermittent	Yes X No	Yes X No	Yes X No	Yes X No	Yes X No	Yes X No	Yes X No	

Facility Name: Shasta – Sustainable Resource Management
 Reporting Period: December 1, 2020 to May 31, 2021
 Facility Permit: 86-TV-08j

Report Due Date: June 2021

Submittal Type:

- | | |
|-------------------------------------|--|
| <input checked="" type="checkbox"/> | Monitoring Report (District Rule 5.VI.B.7) |
| <input checked="" type="checkbox"/> | Compliance Schedule Progress Report |
| <input type="checkbox"/> | Compliance Certification (District Rule 5.VI.B.14) |

Applicable Requirements Table																
Permit(s) & Conditions(s)	Compliance Determination Method (frequency, test method, etc....)	Currently in Compliance?		Compliance Determination Method		During the Reporting Period (If yes to any question, attach Form 5-L)						Source Testing Required by Permit? (If yes, attach Form 5-K2 or summary)				
						Any Excursions?		Any Exceedances?		Other Information Indicating Non-Compliance?						
86-VP-08h and 86-TV-08i Condition 51 (District-only requirement)	Fuel Pile Camera & Observations - Use camera to observe fuel piles. Report outages longer than 6 hours.	X	Yes	No	Continuous	X	Intermittent	X	Yes	No	Yes	X	No	Yes	X	No
86-VP-08h and 86-TV-08i Condition 52 (District-only requirement)	Fuel Pile Dimensions – Conduct quarterly fuel pile surveys.	X	Yes	No	Continuous	X	Intermittent	Yes	X	No	Yes	X	No	Yes	X	No
86-VP-08h and 86-TV-08i Condition 53 (District-only requirement)	Off-Site Fuel Storage - Report off-site fuel storage to the District in the monthly report.	X	Yes	No	Continuous	X	Intermittent	Yes	X	No	Yes	X	No	Yes	X	No
86-VP-08h and 86-TV-08i Condition 54 (District-only requirement)	Fuel Management Plan - Implement the Fuel Management Plan approved by the District. Train operating staff on the plan and keep records.	X	Yes	No	Continuous	X	Intermittent	X	Yes	No	Yes	X	No	Yes	X	No
86-VP-08h and 86-TV-08i Condition 56	Title V Conditions – Comply with all conditions of the permit	X	Yes	No	Continuous	X	Intermittent	X	Yes	No	Yes	X	No	Yes	X	No
86-VP-08h and 86-TV-08i Condition 62	Information Requests – Supply information to AQMD upon request.	X	Yes	No	Continuous	X	Intermittent	Yes	X	No	Yes	X	No	Yes	X	No
86-VP-08h and 86-TV-08i Condition 63	Construction – Obtain authorization as needed for new equipment or changes to emissions sources.	X	Yes	No	Continuous	X	Intermittent	Yes	X	No	Yes	X	No	Yes	X	No
86-VP-08h and 86-TV-08i Condition 64	Operating Permit – Obtain permits as needed for new equipment or changes to emissions sources.	X	Yes	No	Continuous	X	Intermittent	Yes	X	No	Yes	X	No	Yes	X	No
86-VP-08h and 86-TV-08i Condition 66	Permit – Maintain permits in good condition.	X	Yes	No	Continuous	X	Intermittent	Yes	X	No	Yes	X	No	Yes	X	No

Facility Name: Shasta – Sustainable Resource Management
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 Facility Permit: 86-TV-08j

Report Due Date: June 2021

Submittal Type: Monitoring Report (District Rule 5.VI.B.7)
 Compliance Schedule Progress Report
 Compliance Certification (District Rule 5.VI.B.14)

Applicable Requirements Table											
Permit(s) & Conditions(s)	Compliance Determination Method (frequency, test method, etc....)	Currently in Compliance?	Compliance Determination Method		During the Reporting Period (If yes to any question, attach Form 5-L)						Source Testing Required by Permit? (If yes, attach Form 5-K2 or summary)
					Any Excursions?		Any Exceedances?		Other Information Indicating Non-Compliance?		
86-VP-08h and 86-TV-08i Condition 67	Permit Posting – Maintain posted permits in good condition.	X Yes No	Continuous	X Intermittent	Yes X No	Yes X No	Yes X No	Yes X No	Yes X No	Yes X No	
86-VP-08h and 86-TV-08i Condition 73	Inspections – Permit entry of authorized agency personnel.	X Yes No	Continuous	X Intermittent	Yes X No	Yes X No	Yes X No	Yes X No	Yes X No	Yes X No	
86-VP-08h and 86-TV-08i Condition 75	Permit Renewal – Submit administratively complete permit renewal application within required timeframe.	X Yes No	Continuous	X Intermittent	Yes X No	Yes X No	Yes X No	Yes X No	Yes X No	Yes X No	
86-VP-08h and 86-TV-08i Condition 76	Fees – Submit annual fees	X Yes No	Continuous	X Intermittent	Yes X No	Yes X No	Yes X No	Yes X No	Yes X No	Yes X No	
86-VP-08h and 86-TV-08i Condition 77	Ozone Depleting Substances – Hire only certified technicians for ODS work.	X Yes No	Continuous	X Intermittent	Yes X No	Yes X No	Yes X No	Yes X No	Yes X No	Yes X No	
86-VP-08h and 86-TV-08i Condition 78	Ozone Depleting Substances – Hire only certified technicians for ODS work.	X Yes No	Continuous	X Intermittent	Yes X No	Yes X No	Yes X No	Yes X No	Yes X No	Yes X No	
86-VP-08h and 86-TV-08i Condition 79	Ozone Depleting Substances – Hire only certified technicians for ODS work.	X Yes No	Continuous	X Intermittent	Yes X No	Yes X No	Yes X No	Yes X No	Yes X No	Yes X No	
86-VP-08h and 86-TV-08i Condition 80	Circumvention – Maintain operations so as to not circumvent emission limits.	X Yes No	X Continuous	Intermittent	Yes X No	Yes X No	Yes X No	Yes X No	Yes X No	Yes X No	
86-VP-08h and 86-TV-08i Condition 82	Maintenance – Maintain equipment in original operating condition.	X Yes No	X Continuous	Intermittent	Yes X No	Yes X No	Yes X No	Yes X No	Yes X No	Yes X No	

Facility Name: Shasta – Sustainable Resource Management
 Reporting Period: December 1, 2020 to May 31, 2021
 Facility Permit: 86-TV-08j

Report Due Date: June 2021

Submission Type: Monitoring Report (District Rule 5.VI.B.7)
 Compliance Schedule Progress Report
 Compliance Certification (District Rule 5.VI.B.14)

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Permit(s) & Conditions(s)	Compliance Determination Method (frequency, test method, etc....)	Currently in Compliance?	Compliance Determination Method		During the Reporting Period (If yes to any question, attach Form 5-L)						Source Testing Required by Permit? (If yes, attach Form 5-K2 or summary)
					Any Excursions?		Any Exceedances?		Other Information Indicating Non-Compliance?		
86-VP-08h and 86-TV-08i Condition 84	Equipment Design – Design all equipment to minimize emissions and maintain compliance.	X Yes No	Continuous	X Intermittent	Yes X No	Yes X No	Yes X No	Yes X No	Yes X No	Yes X No	
86-VP-08h and 86-TV-08i Condition 86	Training – Provide training for operating staff.	X Yes No	Continuous	X Intermittent	Yes X No	Yes X No	Yes X No	Yes X No	Yes X No	Yes X No	
86-VP-08h and 86-TV-08i Condition 87	New Source Performance Standards – Comply with NSPS standards.	X Yes No	Continuous	X Intermittent	Yes X No	Yes X No	Yes X No	Yes X No	Yes X No	Yes X No	
86-VP-08h and 86-TV-08i Condition 89	Subpart ZZZZ Diesel Engine Requirements – Track hours of operation. Ensure maintenance is performed and records are kept as required.	X Yes No	Continuous	X Intermittent	Yes X No	Yes X No	Yes X No	Yes X No	Yes X No	Yes X No	
86-VP-08h and 86-TV-08i Condition 90	Subpart ZZZZ Diesel Engine Records – Maintain maintenance records and records of hours of operation.	X Yes No	Continuous	X Intermittent	Yes X No	Yes X No	Yes X No	Yes X No	Yes X No	Yes X No	
86-VP-08h and 86-TV-08i Condition 92	Boiler Tune-Ups – Tune each boiler at the required frequency. Tune-ups are annual unless a continuous oxygen trim system is used.	X Yes No	Continuous	X Intermittent	Yes X No	Yes X No	Yes X No	Yes X No	Yes X No	Yes X No	
86-VP-08h and 86-TV-08i Condition 93	Energy Assessment – Perform the Energy Assessment. Submit upon request.	X Yes No	Continuous	X Intermittent	Yes X No	Yes X No	Yes X No	Yes X No	Yes X No	Yes X No	
86-VP-08h and 86-TV-08i Condition 94	Initial Notification of Compliance Status – Submit the initial Compliance Status Report within 60 days of completion of all initial performance tests and other initial compliance demonstrations.	X Yes No	Continuous	X Intermittent	Yes X No	Yes X No	Yes X No	Yes X No	Yes X No	Yes X No	
86-VP-08h and 86-TV-08i Condition 95	Subpart DDDDD 30-Day Rolling CO Limit - Maintain Continuous Emissions Monitoring System (CEMS) for CO to calculate 30-day rolling averages.	X Yes No	X Continuous	Intermittent	Yes X No	Yes X No	Yes X No	Yes X No	Yes X No	Yes X No	

Facility Name: Shasta – Sustainable Resource Management
 Reporting Period: December 1, 2020 to May 31, 2021
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<input checked="" type="checkbox"/>	Monitoring Report (District Rule 5.VI.B.7)
<input checked="" type="checkbox"/>	Compliance Schedule Progress Report
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Permit(s) & Conditions(s)	Compliance Determination Method (frequency, test method, etc....)	Currently in Compliance?		Compliance Determination Method		During the Reporting Period (If yes to any question, attach Form 5-L)									Source Testing Required by Permit? (If yes, attach Form 5-K2 or summary)				
						Any Excursions?			Any Exceedances?			Other Information Indicating Non-Compliance?							
86-VP-08h and 86-TV-08i Condition 96	Subpart DDDDD Mercury Limit - Conduct performance testing according to Table 5 in 40 CFR Part 63, Subpart DDDDD at the frequency specified in Condition 108 and 112.	X	Yes	No	Continuous	X	Intermittent	Yes	X	No	Yes	X	No	Yes	X	No	X	Yes	No
86-VP-08h and 86-TV-08i Condition 97	Subpart DDDDD Hydrochloric Acid Limit - Conduct performance testing according to Table 5 in 40 CFR Part 63, Subpart DDDDD at the frequency specified in Condition 108 and 112.	X	Yes	No	Continuous	X	Intermittent	Yes	X	No	Yes	X	No	Yes	X	No	X	Yes	No
86-VP-08h and 86-TV-08i Condition 98	Subpart DDDDD Particulate Limit - Conduct performance testing according to Table 5 in 40 CFR Part 63, Subpart DDDDD at the frequency specified in Condition 108 and 112.	X	Yes	No	Continuous	X	Intermittent	Yes	X	No	Yes	X	No	Yes	X	No	X	Yes	No
86-VP-08h and 86-TV-08i Condition 99	Subpart DDDDD Opacity Limit – Maintain Continuous Opacity Monitors (COMS) and computer to calculate daily block averages.	X	Yes	No	X	Continuous	Intermittent	Yes	X	No	Yes	X	No	Yes	X	No	Yes	X	No
86-VP-08h and 86-TV-08i Condition 100	Subpart DDDDD Operating Load Limit – Maintain Continuous Monitoring System for steam production and a computer to calculate 30-day rolling averages.	X	Yes	No	X	Continuous	Intermittent	Yes	X	No	Yes	X	No	Yes	X	No	X	Yes	No
86-VP-08h and 86-TV-08i Condition 101	Subpart DDDDD Boiler Emission Averaging – Emission averaging is not done. No plan needed, not using emissions averaging.	X	Yes	No	X	Continuous	Intermittent	Yes	X	No	Yes	X	No	Yes	X	No	Yes	X	No
86-VP-08h and 86-TV-08i Condition 102	Subpart DDDDD Good Operating Practices – Operate and maintain equipment to minimize emissions.	X	Yes	No	X	Continuous	Intermittent	Yes	X	No	Yes	X	No	Yes	X	No	Yes	X	No
86-VP-08h and 86-TV-08i Condition 103	Subpart DDDDD Startup & Shutdown Exemptions – For all startup and shutdown events that are exempted from emission limits in Conditions 95-101. Follow the listed practices.	X	Yes	No	Continuous	X	Intermittent	Yes	X	No	Yes	X	No	Yes	X	No	Yes	X	No
86-VP-08h and 86-TV-08i Condition 104	Subpart DDDDD Affirmative Defense – May be made for malfunctions as per requirements	X	Yes	No	X	Continuous	Intermittent	Yes	X	No	Yes	X	No	Yes	X	No	Yes	X	No

Facility Name: Shasta – Sustainable Resource Management
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 Facility Permit: 86-TV-08j

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Permit(s) & Conditions(s)	Compliance Determination Method (frequency, test method, etc....)	Currently in Compliance?		Compliance Determination Method		During the Reporting Period (If yes to any question, attach Form 5-L)						Source Testing Required by Permit? (If yes, attach Form 5-K2 or summary)				
						Any Excursions?		Any Exceedances?		Other Information Indicating Non-Compliance?						
86-VP-08h and 86-TV-08i Condition 105	Subpart DDDDD Data Collection – Collect data in accordance with Table 8 of Subpart DDDDD.	X	Yes	No	X	Continuous	Intermittent	Yes	X	No	Yes	X	No	Yes	X	No
86-VP-08h and 86-TV-08i Condition 106	Subpart DDDDD Site Specific Monitoring Plan – Develop and maintain a Site Specific Monitoring Plan. Submit upon request.	X	Yes	No	X	Continuous	Intermittent	Yes	X	No	Yes	X	No	Yes	X	No
86-VP-08h and 86-TV-08i Condition 107	Subpart DDDDD Monitoring Systems Operation – Operate the monitoring system as required, maintain records of system operations including results of performance audits, out of control periods, etc.... and submit upon request. Include all data, unless otherwise excepted, in assessing compliance.	X	Yes	No	X	Continuous	Intermittent	Yes	X	No	Yes	X	No	Yes	X	No
86-VP-08h and 86-TV-08i Condition 108	Subpart DDDDD Initial Performance Test – Perform the initial testing.	X	Yes	No		Continuous	X Intermittent	Yes	X	No	Yes	X	No	Yes	X	No
86-VP-08h and 86-TV-08i Condition 109	Initial Performance Testing Alternative: Fuel Sampling & Analysis – This option was not used.	X	Yes	No		Continuous	X Intermittent	Yes	X	No	Yes	X	No	Yes	X	No
86-VP-08h and 86-TV-08i Condition 110	Initial & Annual Performance Evaluations of CO CEMS & COMS – Notify the District of evaluations, perform evaluations initially and annually, and submit the evaluation reports, as required in the permit.	X	Yes	No		Continuous	X Intermittent	Yes	X	No	Yes	X	No	Yes	X	No
86-VP-08h and 86-TV-08i Condition 111	Site Specific Fuel Monitoring Plan, If Required - A fuel monitoring plan is not required at this time, as the plant uses a single fuel (biomass) along with natural gas as supplemental fuel for startup, shutdown, and flame stabilization purposes.	X	Yes	No		Continuous	X Intermittent	Yes	X	No	Yes	X	No	Yes	X	No
86-VP-08h and 86-TV-08i Condition 112	Periodic Performance Testing – Perform testing annually (at least every 12 months), or every 3 rd year (at least every 37 months), if pollutants are less than 75% of the applicable limit for at least two years and there are no changes that could increase emissions.	X	Yes	No		Continuous	X Intermittent	Yes	X	No	Yes	X	No	X	Yes	No
86-VP-08h and 86-TV-08i Condition 113	Periodic Performance Testing Alternative: Fuel Sampling & Analysis – This option is not used.	X	Yes	No		Continuous	X Intermittent	Yes	X	No	Yes	X	No	Yes	X	No

Facility Name: Shasta – Sustainable Resource Management
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86-VP-08h and 86-TV-08i Condition 114	Performance Testing Methods, Notifications, & Submittal of Test Plans – Use the specified methods and submit notifications and test plans as required in the permit.	X Yes No	Continuous X Intermittent	Yes X No	Yes X No	Yes X No	Yes X No	Yes X No	Yes X No	
86-VP-08h and 86-TV-08i Condition 115	Performance Test Reports – Submit performance test reports as required in the permit.	X Yes No	Continuous X Intermittent	Yes X No	Yes X No	Yes X No	Yes X No	Yes X No	Yes X No	
86-VP-08h and 86-TV-08i Condition 116	New Fuel Requirements –No new fuels used during the reporting period.	X Yes No	X Continuous Intermittent	Yes X No	Yes X No	Yes X No	Yes X No	Yes X No	Yes X No	
86-VP-08h and 86-TV-08i Condition 117	Applicability of New 40 CFR 63 Subpart DDDDD Subcategory Due to Fuel Switch / Physical Boiler Change – Submit required notification if applicability changes. No such change this reporting period.	X Yes No	Continuous X Intermittent	Yes X No	Yes X No	Yes X No	Yes X No	Yes X No	Yes X No	
86-VP-08h and 86-TV-08i Condition 118	Non-Hazardous Secondary Materials, Not Solid Waste – If NHSM have been determined not to be solid waste per 40 CFR 241, keep records of the determination as required in the permit.	X Yes No	Continuous X Intermittent	Yes X No	Yes X No	Yes X No	Yes X No	Yes X No	Yes X No	
86-VP-08h and 86-TV-08i Condition 119	40 CFR 63 Subpart DDDDD Semi-Annual Compliance Reports – Submit semi-annual reports.	X Yes No	Continuous X Intermittent	Yes X No	Yes X No	Yes X No	Yes X No	Yes X No	Yes X No	
86-VP-08h and 86-TV-08i Condition 120	Maintain 40 CFR 63 Subpart DDDDD Records – Subpart DDDDD records are maintained as required.	X Yes No	Continuous X Intermittent	Yes X No	Yes X No	Yes X No	Yes X No	Yes X No	Yes X No	
86-VP-08h and 86-TV-08i Condition 121	Alternative Output Based Limits & Credit for Energy Conservation Measures – These options are not used.	X Yes No	Continuous X Intermittent	Yes X No	Yes X No	Yes X No	Yes X No	Yes X No	Yes X No	

List of Conditions Not Requiring Certification (Informational Only)	
Title V Condition No.	January 1, 2020 to December 31, 2020
18	Combustion of wet fuel only considered an upset/malfunction condition when slug feeding of fuel wetted by an unusual storm occurrence causes the emission excursions.
55	References to rules, regulations, etc.. in the permit refer to those in place at the time of permit issuance.
57	Title V Permit does not convey property rights.
58	Non-compliance with Title V Permit is grounds for termination, revocation, modification, enforcement, or denial of permit renewal for both the Title V Permit and the Permit to Operate.
59	Permit can be modified, revoked, reopened and reissued, or terminated for cause.
60	Not a defense that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of the permit.
61	Pending permit action or notification of anticipated non-compliance does not stay any permit condition.
65	Where an application for or issuance of a permit is pending or in the event of an emergency occurring as a result of an excusable malfunction of a device under permit, AQMD may authorize the operation of the article, machine, equipment, etc... for which a permit is sought for periods of time not to exceed 60 days each for the purpose of testing, experimentation, or obtaining necessary data for a permit or correcting a malfunction.
68	Information that AQMD requires prior to building, erecting, altering, etc... an air emissions source is public record.
69	Air and other pollution monitoring data, including data compiled from facilities are public records.
70	Except as otherwise provided, trade secrets (as described) are not public records.
71	Emission data are public records. Data used to calculate emissions that constitute trade secrets are not public records.
72	Each and every provision of federal or state law or applicable Air Basin Plan now or hereinafter enacted or as amended that regulates the discharge of any air contaminants is incorporated here by reference. Where such provision conflict with local rules and regulations, the more restrictive provision shall apply.
74	Provisions of the Title V Permit are severable.
81	The Title V Permit is not transferable.
83	If any provision of this permit is found invalid, such finding shall not affect the remaining provisions.
85	The right of entry described in California Health and Safety Code Section 41510, Division 26, shall apply at all times.
88	Regarding emissions trading, no permit revision shall be required, under any approved economic incentives, marketable permits, emissions trading and other similar programs or processes, for changes that are provided for in the permit.
104	Information on affirmative defense provisions of 40 CFR Part 63, Subpart DDDDD.
122	Permit Shield

2021 Title V Certification – Deviations and Test Data

DEVIATION REPORT (FORM 5-L)

SHASTA COUNTY AIR QUALITY MANAGEMENT DISTRICT

DEVIATION INFORMATION

- 1. Permit numbers(s) and condition(s) of emission unit or control unit affected:**
86-TV-08j – Condition 3
- 2. Description of deviation and methods used to determine compliance status:**
As previously reported, there was one 6-minute opacity block of 31% on 4/26/21 on boiler #2.
- 3. Description and identification of permit condition(s) deviated:**
Condition 3 requires maintaining 6-minute average stack opacity to less than or equal to 20%, except for one period not more than 27% per hour.
- 4. Associated equipment and equipment operation (if any):**
Boiler #2 and ESP #2
- 5. Date and time when deviation was discovered:**
4/26/20 at 15:18
- 6. Date, time and duration of deviation:**
From 15:18 to 15:23 on 4/26/21
- 7. Probable cause of deviation:**
High boiler CO and low O2 caused fields on the ESP to trip, resulting in excess emissions
- 8. Preventative or corrective action taken:**
Corrective actions were taken immediately to adjust the boiler combustion conditions and restart the ESP field.

2021 Title V Certification – Deviations and Test Data

DEVIATION REPORT (FORM 5-L)

SHASTA COUNTY AIR QUALITY MANAGEMENT DISTRICT

DEVIATION INFORMATION

- 1. Permit numbers(s) and condition(s) of emission unit or control unit affected:**
86-TV-08j –Condition 47

- 1. Description of deviation and methods used to determine compliance status:**
As previously reported, the hourly ESP data was not being continuously monitored and recorded on a log.

- 2. Description and identification of permit condition(s) deviated:**
Condition 47 requires that the ESP power be continuously monitored and that the hourly values be recorded in a log.

- 3. Associated equipment and equipment operation (if any):**
ESP and computer.

- 4. Date and time when deviation was discovered:**
1/21/21

- 5. Date, time and duration of deviation:**
The 10 AM hour data was not recorded.

- 6. Probable cause of deviation:**
The software program to record the data did not record the data.

- 7. Preventative or corrective action taken:**
Investigating alternate methods to back up or record data if the control room computer is not operating correctly. We are also working on having the ESP data connected to the DCS system, which would be another means of recording and logging the power data.

2021 Title V Certification – Deviations and Test Data

DEVIATION REPORT (FORM 5-L)

SHASTA COUNTY AIR QUALITY MANAGEMENT DISTRICT

DEVIATION INFORMATION

- 1. Permit numbers(s) and condition(s) of emission unit or control unit affected:**
86-TV-08j – Condition 51 and 54
- 2. Description of deviation and methods used to determine compliance status:**
As previously reported, there was a loss of power to the fuel pile camera in excess of six hours when the plant went black, and the agency was not notified with four hours of the occurrence.
- 3. Description and identification of permit condition(s) deviated:**
Condition 51 requires that there be a continuous video display in the boiler control room of the fuel pile. In addition, the agency must be notified within four hours when the camera is offline longer than six hours. Condition 54 requires compliance with the Fuel Management Plan, which references back to Condition 51.
- 4. Associated equipment and equipment operation (if any):**
Fuel Pile Camera
- 5. Date and time when deviation was discovered:**
The loss of the fuel pile camera display occurred during a black plant event starting on April 18, 2021
- 6. Date, time and duration of deviation:**
The events durations was from 07:15 on 4/18/21 through 07:00 on 4/19/21
- 7. Probable cause of deviation:**
The fuel pile camera signal converter lost power during the black plant event resulting in a loss of signal to the fuel pile camera display.
- 8. Preventative or corrective action taken:**
Restore power to the plant systems and camera. Remind employees of the requirement to notify the local air district if the system is down longer than six hours.

2021 Title V Certification – Deviations and Test Data

DEVIATION REPORT (FORM 5-L)

SHASTA COUNTY AIR QUALITY MANAGEMENT DISTRICT

DEVIATION INFORMATION

- 1. Permit numbers(s) and condition(s) of emission unit or control unit affected:**
86-TV-08j – Condition 56
- 2. Description of deviation and methods used to determine compliance status:**
As noted elsewhere in the report there were deviations to compliance with some permit conditions.
- 3. Description and identification of permit condition(s) deviated:**
Condition 56 requires compliance with all conditions in the permit.
- 4. Associated equipment and equipment operation (if any):**
See the other Form 5-Ls included in this report.
- 5. Date and time when deviation was discovered:**
See the other Form 5-Ls included in this report.
- 6. Date, time and duration of deviation:**
See the other Form 5-Ls included in this report
- 7. Probable cause of deviation:**
See the other Form 5-Ls included in this report.
- 8. Preventative or corrective action taken:**
See the other Form 5-Ls included in this report.

2021 Title V Certification – Deviations and Test Data

QUANTIFIABLE APPLICABLE REQUIREMENT REPORT (FORM 5-K2)

SHASTA COUNTY AIR QUALITY MANAGEMENT DISTRICT

Emission Unit Description: Boiler 1

Pollutant	Unit of Measure	Measured Emission Rate	Emission Rate Limit	Specific Source Test or Monitoring Record Citation	Date of Test
Carbon Monoxide - CO	ppm @ 3% O ₂	441	1696 Three boiler average	EPA Method 10	6/25/20
Carbon Monoxide - CO	lbs/hr	103	793 Total all three boilers	EPA Method 10	6/25/20
Ammonia - NH ₃	ppm @ 3% O ₂	6.9	28	SCAQMD 207.1 Modified	6/25/20
Oxides of Sulfur - SO ₂	ppm @ 3% O ₂	4.6	24	EPA Method 6C	6/25/20
Oxides of Sulfur - SO ₂	lbs/hr	2.4	45 Total all three boilers	EPA Method 6C	6/25/20
Filterable Particulate	gr/dscf @ 3% O ₂	0.0017	0.014	CARB Method 5	6/25/20
Total Particulate	lbs/hr	0.8	20	CARB Method 5	6/25/20
Nonmethane Hydrocarbons	ppm @ 3% O ₂	19.1	191	EPA Method 25A & EPA Method 18	6/25/20
Nonmethane Hydrocarbons	lbs/hr	1.9	89 Total all three boilers	EPA Method 25A & EPA Method 18	6/25/20
Mercury – Hg*	lbs/MMBtu	<8.41 E-7	5.76 E-6	EPA Method 29	6/5/18 and 6/6/18
Hydrochloric Acid – HCl*	lbs/MMBtu	<9.65E-5	0.022	EPA Method 26A	6/5/18
Filterable Particulate*	lbs/MMBtu	0.0011	0.037	CARB Method 5	6/5/18 and 6/6/18

*As per Condition 112 of the permit, no testing was conducted for these parameters in 2020 as the results in 2017 and 2018 were both less than 75% of the limit

2021 Title V Certification – Deviations and Test Data

QUANTIFIABLE APPLICABLE REQUIREMENT REPORT (FORM 5-K2)

Emission Unit Description: Boiler 2

Pollutant	Unit of Measure	Measured Emission Rate	Emission Rate Limit	Specific Source Test or Monitoring Record Citation	Date of Test
Carbon Monoxide - CO	ppm @ 3% O ₂	639	1696 Three boiler average	EPA Method 10	6/22/20
Carbon Monoxide - CO	lbs/hr	159	793 Total all three boilers	EPA Method 10	6/22/20
Ammonia - NH ₃	ppm @ 3% O ₂	8.5	28	SCAQMD 207.1 Modified	6/22/20
Oxides of Sulfur - SO ₂	ppm @ 3% O ₂	2.9	24	EPA Method 6C	6/22/20
Oxides of Sulfur - SO ₂	lbs/hr	1.6	45 Total all three boilers	EPA Method 6C	6/22/20
Filterable Particulate	gr/dscf @ 3% O ₂	0.0063	0.014	CARB Method 5	6/22/20
Total Particulate	lbs/hr	7.6	20	CARB Method 5	6/22/20
Nonmethane Hydrocarbons	ppm @ 3% O ₂	14.9	191	EPA Method 25A & EPA Method 18	6/22/20
Nonmethane Hydrocarbons	lbs/hr	1.6	89 Total all three boilers	EPA Method 25A & EPA Method 18	6/22/20
Mercury – Hg*	lbs/MMBtu	<8.02 E-7	5.76 E-6	EPA Method 29	6/5/18 and 6/4/18
Hydrochloric Acid – HCl*	lbs/MMBtu	<5.02 E-5	0.022	EPA Method 26A	6/4/18
Filterable Particulate*	lbs/MMBtu	0.0030	0.037	CARB Method 5	6/5/18 and 6/4/18

*As per Condition 112 of the permit, no testing was conducted for these parameters in 2020 as the results in 2017 and 2018 were both less than 75% of the limit

2021 Title V Certification – Deviations and Test Data

QUANTIFIABLE APPLICABLE REQUIREMENT REPORT (FORM 5-K2)

Emission Unit Description: Boiler 3

Pollutant	Unit of Measure	Measured Emission Rate	Emission Rate Limit	Specific Source Test or Monitoring Record Citation	Date of Test
Carbon Monoxide - CO	ppm @ 3% O ₂	660	1696 Three boiler average	EPA Method 10	6/23/20
Carbon Monoxide - CO	lbs/hr	167	793 Total all three boilers	EPA Method 10	6/23/20
Ammonia - NH ₃	ppm @ 3% O ₂	10.6	28	SCAQMD 207.1 Modified	6/23/20
Oxides of Sulfur - SO ₂	ppm @ 3% O ₂	5.2	24	EPA Method 6C	6/23/20
Oxides of Sulfur - SO ₂	lbs/hr	3.0	45 Total all three boilers	EPA Method 6C	6/23/20
Filterable Particulate	gr/dscf @ 3% O ₂	0.0045	0.014	CARB Method 5	6/23/20
Total Particulate	lbs/hr	2.2	20	CARB Method 5	6/23/20
Nonmethane Hydrocarbons	ppm @ 3% O ₂	25.3	191	EPA Method 25A & EPA Method 18	6/23/20
Nonmethane Hydrocarbons	lbs/hr	2.8	89 Total all three boilers	EPA Method 25A & EPA Method 18	6/23/20
Mercury – Hg*	lbs/MMBtu	<8.71 E-7	5.76 E-6	EPA Method 29	6/7/18 and 6/6/18
Hydrochloric Acid – HCl*	lbs/MMBtu	<8.4 E-5	0.022	EPA Method 26A	6/6/18
Filterable Particulate*	lbs/MMBtu	0.0011	0.037	CARB Method 5	6/7/18 and 6/6/18

*As per Condition 112 of the permit, no testing was conducted for these parameters in 2020 as the results in 2017 and 2018 were both less than 75% of the limit



DELIVERED by: Email

December 15, 2020

Mr. Paul Hellman
Air Pollution Control Officer
Air Quality Management District
1855 Placer Street
Redding, CA 96001

Subject: Wheelabrator Shasta Energy Company Emissions Report for the Month of November 2020, Title V Operating Permit 86-TV-08i and Permits to Operate No. 86-PO-08o and 89-PO-04f.

Dear Mr. Hellman:

Attached you will find the November 2020 Emissions Report for our wood fired power plant. The report consists of the following tables.

- Table I – 30-Day Rolling Averages for CO and NOx Emissions
- Table II – Daily Hours of Operation for the Facility
- Table III – 12-Month Capacity Utilization for Wood & Natural Gas
- Table IV – Monthly Railroad Tie Usage & Associated Estimated SO2 Emissions
- Table V – NOx and CO Emissions During Startup and Shutdown
- Table VI – CEMS Downtime
- Table VII – Emission Exceedances & 6-Minute Block Opacity Averages > 20%

The CEMS were in service the entire month while the facility was operating except during periods of daily calibration and the periods of maintenance or malfunction, as listed in Table VI.

The steam generated during the month of November is given below.

Boiler #1 -	0.6680148	E+8 pounds
Boiler #2 -	0.9555708	E+8 pounds
Boiler #3 -	0.3163525	E+8 pounds

Fuel stored off-site at the end of the month is listed below. Off-site storage is indefinite.
Burney Yard - Hwy 299, Burney CA 13,018 bone dry tons

Based upon information and belief formed after reasonable inquiry, I am certifying that the statements and information in this report are true, accurate, and complete. If you have any questions please contact Derrick Boom at (530) 339-7627.

Sincerely,

Bryan Booth
Plant Manager

enc Tables I through Table VII
Fuel Pile Survey Results

Table II
Wheelabrator Shasta Energy Company
Boiler Hours

Date	Boiler 1	Boiler 2	Boiler 3
11/1/20	0.0	24.0	24.0
11/2/20	0.0	24.0	24.0
11/3/20	0.0	24.0	24.0
11/4/20	0.0	24.0	24.0
11/5/20	0.0	24.0	24.0
11/6/20	0.0	24.0	24.0
11/7/20	0.0	23.2	22.9
11/8/20	0.0	0.0	0.0
11/9/20	0.0	0.0	0.0
11/10/20	0.0	0.0	0.0
11/11/20	0.0	0.0	0.0
11/12/20	0.0	0.0	0.0
11/13/20	0.0	0.0	0.0
11/14/20	6.2	0.0	0.0
11/15/20	24.0	7.4	0.0
11/16/20	24.0	24.0	0.0
11/17/20	24.0	24.0	0.0
11/18/20	24.0	24.0	0.0
11/19/20	24.0	24.0	0.0
11/20/20	24.0	24.0	0.0
11/21/20	24.0	24.0	0.0
11/22/20	24.0	24.0	0.0
11/23/20	24.0	24.0	0.0
11/24/20	23.7	24.0	0.5
11/25/20	24.0	20.7	0.0
11/26/20	24.0	24.0	0.0
11/27/20	24.0	24.0	0.0
11/28/20	24.0	24.0	0.0
11/29/20	24.0	24.0	0.0
11/30/20	24.0	24.0	0.0
Total Hours	389.9	531.2	167.4

TABLE III
WHEELABRATOR SHASTA ENERGY
ANNUAL CAPACITY FACTOR
(PERMITTED CAPACITY 1,017 MMBTU / HR)

			Monthly Average	Annual Capacity	Annual Capacity	Annual Capacity
Month / Year	Natural Gas	Wood	Heat Input	Factor	Factor	Factor Total
	MMBTU	MMBTU	MMBTU / HR	Natural Gas	Wood	Fuels
11/1/20	800	315,009	439	0.10%	55.7%	55.8%
10/1/20	520	429,057	577	0.09%	57.1%	57.2%
9/1/20	315	437,777	608	0.09%	57.0%	57.1%
8/1/20	918	428,287	577	0.09%	57.2%	57.3%
7/1/20	964	387,875	523	0.14%	56.2%	56.3%
6/1/20	573	439,876	612	0.13%	57.6%	57.7%
5/1/20	1,530	456,537	616	0.14%	57.3%	57.5%
4/1/20	2,073	394,165	550	0.13%	57.6%	57.7%
3/1/20	12	425,441	572	0.16%	58.3%	58.4%
2/1/20	512	390,272	561	0.16%	55.5%	55.7%
1/1/20	27	428,155	576	0.28%	55.2%	55.4%
12/1/19	385	432,444	582	0.31%	55.9%	56.2%
11/1/19	435	440,834	613	0.31%	56.7%	57.1%
10/1/19	330	413,390	556	0.32%	55.6%	55.9%
9/1/19	16	455,492	633			
8/1/19	5,696	340,640	466			
7/1/19	29	514,032	691			
6/1/19	1,346	416,668	581			
5/1/19	825	481,310	648			
4/1/19	4,646	453,571	636			
3/1/19	0	178,080	239			
2/1/19	10,964	360,447	553			
1/1/19	3,361	495,225	670			
12/1/18	402	505,823	680			
11/1/18	1,258	335,814	468			

Table IV
Wheelabrator Shasta Energy Company
Estimated Use and Emissions from Fuel Cubes and Cardboard

Month	Fuel Cubes and Cardboard Dry tons	Sulfur Content %
January	Not Used	
February	Not Used	
March	Not Used	
April	Not Used	
May	Not Used	
June	Not Used	
July	Not Used	
August	Not Used	
September	Not Used	
October	Not Used	
November	Not Used	
December		
YTD	0	-



DELIVERED by: Email

January 19, 2021

Mr. Paul Hellman
Air Pollution Control Officer
Air Quality Management District
1855 Placer Street
Redding, CA 96001

Subject: Wheelabrator Shasta Energy Company Emissions Report for the Month of December 2020, Title V Operating Permit 86-TV-08i and Permits to Operate No. 86-PO-08o and 89-PO-04f.

Dear Mr. Hellman:

Attached you will find the December 2020 Emissions Report for our wood fired power plant. The report consists of the following tables.

- Table I – 30-Day Rolling Averages for CO and NOx Emissions
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- Table VI – CEMS Downtime
- Table VII – Emission Exceedances & 6-Minute Block Opacity Averages > 20%

The CEMS were in service the entire month while the facility was operating except during periods of daily calibration and the periods of maintenance or malfunction, as listed in Table VI.

The steam generated during the month of December is given below.

Boiler #1 -	0.8751402	E+8 pounds
Boiler #2 -	0.9102662	E+8 pounds
Boiler #3 -	0.9096476	E+8 pounds

Fuel stored off-site at the end of the month is listed below. Off-site storage is indefinite.

Burney Yard - Hwy 299, Burney CA	13,018	bone dry tons
----------------------------------	--------	---------------

Based upon information and belief formed after reasonable inquiry, I am certifying that the statements and information in this report are true, accurate, and complete. If you have any questions please contact Derrick Boom at (530) 339-7627.

Sincerely,

A handwritten signature in black ink, appearing to read "Bryan Booth".

Bryan Booth
Plant Manager

enc Tables I through Table VII
 Fuel Pile Survey Results
 Quarterly CGA and Opacity Audit Reports

DELIVERED by: Email

January 19, 2021

Mr. Paul Hellman
Air Pollution Control Officer
Air Quality Management District
1855 Placer Street
Redding, CA 96001

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Sincerely,

Bryan Booth
Plant Manager

enc Tables I through Table VII
 Fuel Pile Survey Results
 Quarterly CGA and Opacity Audit Reports

**WHEELABRATOR SHASTA ENERGY
NOx and CO 30 DAY Rolling Averages**

Date	Boiler 1			Boiler 2			Boiler 3		
	NOx @ 3% O2 ppm	NOx lb/MMBtu	CO @ 3% O2 ppm	NOx @ 3% O2 ppm	NOx lb/MMBtu	CO @ 3% O2 ppm	NOx @ 3% O2 ppm	NOx lb/MMBtu	CO @ 3% O2 ppm
12/1/20	113	0.145	431	110	0.141	454	Not Oper	Not Oper	Not Oper
12/2/20	113	0.145	436	110	0.141	451	Not Oper	Not Oper	Not Oper
12/3/20	113	0.145	441	110	0.141	449	Not Oper	Not Oper	Not Oper
12/4/20	113	0.146	447	110	0.141	442	111	0.142	351
12/5/20	113	0.146	450	110	0.141	443	111	0.142	350
12/6/20	113	0.146	447	110	0.141	421	111	0.142	351
12/7/20	113	0.146	452	110	0.141	415	111	0.142	352
12/8/20	113	0.146	463	Not Oper	Not Oper	Not Oper	111	0.142	355
12/9/20	113	0.146	473	Not Oper	Not Oper	Not Oper	111	0.142	354
12/10/20	113	0.146	480	110	0.141	412	111	0.142	354
12/11/20	Not Oper	Not Oper	Not Oper	110	0.141	408	111	0.142	358
12/12/20	Not Oper	Not Oper	Not Oper	110	0.141	410	111	0.142	364
12/13/20	Not Oper	Not Oper	Not Oper	110	0.141	417	111	0.142	370
12/14/20	Not Oper	Not Oper	Not Oper	111	0.142	408	111	0.142	379
12/15/20	113	0.146	487	112	0.144	402	111	0.142	375
12/16/20	113	0.146	496	113	0.146	397	111	0.142	371
12/17/20	113	0.146	482	113	0.146	383	111	0.142	367
12/18/20	113	0.146	477	113	0.146	369	111	0.142	357
12/19/20	113	0.146	474	113	0.145	358	111	0.142	353
12/20/20	113	0.146	469	113	0.145	351	110	0.142	352
12/21/20	113	0.146	460	113	0.146	342	110	0.142	341
12/22/20	114	0.146	453	113	0.146	333	110	0.142	331
12/23/20	114	0.146	453	113	0.146	325	110	0.142	322
12/24/20	114	0.146	443	113	0.146	317	110	0.142	316
12/25/20	114	0.146	433	113	0.146	302	110	0.142	308
12/26/20	113	0.146	430	113	0.146	296	110	0.142	304
12/27/20	113	0.146	426	113	0.146	284	110	0.142	299
12/28/20	113	0.146	411	113	0.146	273	110	0.142	296
12/29/20	113	0.145	400	113	0.146	264	110	0.142	297
12/30/20	113	0.145	389	113	0.146	246	110	0.142	288
12/31/20	112	0.145	381	113	0.146	236	110	0.142	276

Table II
Wheelabrator Shasta Energy Company
Boiler Hours

Date	Boiler 1	Boiler 2	Boiler 3
12/1/20	24.0	24.0	0.0
12/2/20	24.0	24.0	0.0
12/3/20	23.5	24.0	0.0
12/4/20	24.0	24.0	0.5
12/5/20	24.0	24.0	7.5
12/6/20	24.0	24.0	24.0
12/7/20	24.0	1.1	24.0
12/8/20	24.0	0.0	24.0
12/9/20	24.0	0.0	24.0
12/10/20	14.3	11.4	24.0
12/11/20	0.0	24.0	24.0
12/12/20	0.0	24.0	24.0
12/13/20	0.0	24.0	24.0
12/14/20	0.0	24.0	24.0
12/15/20	12.0	24.0	24.0
12/16/20	24.0	24.0	24.0
12/17/20	24.0	24.0	24.0
12/18/20	24.0	24.0	24.0
12/19/20	24.0	24.0	24.0
12/20/20	24.0	24.0	24.0
12/21/20	24.0	24.0	24.0
12/22/20	24.0	24.0	24.0
12/23/20	24.0	24.0	24.0
12/24/20	24.0	24.0	24.0
12/25/20	24.0	24.0	24.0
12/26/20	24.0	24.0	24.0
12/27/20	24.0	24.0	24.0
12/28/20	24.0	24.0	24.0
12/29/20	24.0	24.0	24.0
12/30/20	24.0	24.0	24.0
12/31/20	24.0	24.0	24.0
Total Hours	625.9	660.5	631.9

TABLE III
WHEELABRATOR SHASTA ENERGY
ANNUAL CAPACITY FACTOR
(PERMITTED CAPACITY 1,017 MMBTU / HR)

			Monthly Average	Annual Capacity	Annual Capacity	Annual Capacity
Month / Year	Natural Gas	Wood	Heat Input	Factor	Factor	Factor Total
	MMBTU	MMBTU	MMBTU / HR	Natural Gas	Wood	Fuels
12/1/20	689	393,337	530	0.10%	55.3%	55.4%
11/1/20	1,106	315,016	439	0.10%	55.7%	55.8%
10/1/20	520	429,064	577	0.09%	57.1%	57.2%
9/1/20	315	437,777	608	0.09%	57.0%	57.1%
8/1/20	918	428,287	577	0.09%	57.2%	57.3%
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10/1/19	330	413,390	556			
9/1/19	16	455,492	633			
8/1/19	5,696	340,640	466			
7/1/19	29	514,032	691			
6/1/19	1,346	416,668	581			
5/1/19	825	481,310	648			
4/1/19	4,646	453,571	636			
3/1/19	0	178,080	239			
2/1/19	10,964	360,447	553			
1/1/19	3,361	495,225	670			
12/1/18	402	505,823	680			

Table IV
Wheelabrator Shasta Energy Company
Estimated Use and Emissions from Fuel Cubes and Cardboard

Month	Fuel Cubes and Cardboard Dry tons	Sulfur Content %
January	Not Used	
February	Not Used	
March	Not Used	
April	Not Used	
May	Not Used	
June	Not Used	
July	Not Used	
August	Not Used	
September	Not Used	
October	Not Used	
November	Not Used	
December	Not Used	
YTD	0	-



DELIVERED by: Email

February 23, 2021

Mr. Paul Hellman
Air Pollution Control Officer
Air Quality Management District
1855 Placer Street
Redding, CA 96001

Subject: Wheelabrator Shasta Energy Company Emissions Report for the Month of January 2021, Title V Operating Permit 86-TV-08i and Permits to Operate No. 86-PO-08o and 89-PO-04f.

Dear Mr. Hellman:

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- Table VI – CEMS Downtime
- Table VII – Emission Exceedances & 6-Minute Block Opacity Averages > 20%

The CEMS were in service the entire month while the facility was operating except during periods of daily calibration and the periods of maintenance or malfunction, as listed in Table VI.

The steam generated during the month of January is given below.

Boiler #1 -	0.9508	E+8 pounds
Boiler #2 -	0.9164	E+8 pounds
Boiler #3 -	0.7533	E+8 pounds

Fuel stored off-site at the end of the month is listed below. Off-site storage is indefinite.

Burney Yard - Hwy 299, Burney CA	13,018	bone dry tons
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Based upon information and belief formed after reasonable inquiry, I am certifying that the statements and information in this report are true, accurate, and complete. If you have any questions please contact Derrick Boom at (530) 339-7627.

Sincerely,

A handwritten signature in black ink, appearing to read "Bryan Booth", is written over a white rectangular area. Below the signature, the name "Bryan Booth" and title "Plant Manager" are printed in a standard sans-serif font.

Bryan Booth
Plant Manager

enc Tables I through Table VII
 Fuel Pile Survey Results

**WHEELABRATOR SHASTA ENERGY
NOx and CO 30 DAY Rolling Averages**

Date	Boiler 1			Boiler 2			Boiler 3		
	NOx @ 3% O2 ppm	NOx lb/MMBtu	CO @ 3% O2 ppm	NOx @ 3% O2 ppm	NOx lb/MMBtu	CO @ 3% O2 ppm	NOx @ 3% O2 ppm	NOx lb/MMBtu	CO @ 3% O2 ppm
1/1/21	112	0.144	382	113	0.146	229	111	0.143	270
1/2/21	112	0.144	378	113	0.146	224	112	0.144	263
1/3/21	112	0.144	371	113	0.146	217	113	0.146	260
1/4/21	112	0.144	358	113	0.146	206	113	0.146	255
1/5/21	112	0.144	348	113	0.146	199	113	0.146	252
1/6/21	112	0.144	340	113	0.146	186	113	0.145	251
1/7/21	111.6	0.144	326	113.2	0.146	189	113.1	0.145	243
1/8/21	111.4	0.143	324	113.2	0.146	190	113.1	0.145	238
1/9/21	111.2	0.143	330	113.2	0.146	192	113.0	0.145	236
1/10/21	111.0	0.143	326	113.2	0.146	185	113.0	0.145	231
1/11/21	110.9	0.143	318	113.2	0.146	176	113.0	0.145	221
1/12/21	110.9	0.143	314	113.2	0.146	169	113.0	0.145	214
1/13/21	111.0	0.143	311	113.2	0.146	163	113.0	0.145	203
1/14/21	111.0	0.143	311	113.2	0.146	162	113.0	0.145	203
1/15/21	111.0	0.143	308	113.2	0.146	163	113.0	0.145	206
1/16/21	111.0	0.143	316	113.2	0.146	165	112.9	0.145	210
1/17/21	111.0	0.143	320	113.2	0.146	167	112.9	0.145	214
1/18/21	111.3	0.143	348	113.3	0.146	170	Not Oper	Not Oper	Not Oper
1/19/21	111.4	0.143	346	113.3	0.146	186	Not Oper	Not Oper	Not Oper
1/20/21	111.4	0.143	354	113.1	0.146	197	Not Oper	Not Oper	Not Oper
1/21/21	111.1	0.143	357	113.1	0.146	206	Not Oper	Not Oper	Not Oper
1/22/21	111.2	0.143	357	113.1	0.146	213	113.0	0.145	222
1/23/21	111.2	0.143	359	113.1	0.146	214	113.0	0.145	220
1/24/21	111.2	0.143	359	113.1	0.146	216	113.0	0.145	224
1/25/21	111.2	0.143	359	113.1	0.146	216	112.9	0.145	225
1/26/21	111.2	0.143	357	113.1	0.146	215	112.9	0.145	222
1/27/21	111.4	0.143	361	113.2	0.146	215	112.9	0.145	223
1/28/21	111.2	0.143	369	113.2	0.146	218	112.8	0.145	225
1/29/21	111.6	0.143	372	113.2	0.146	224	112.8	0.145	229
1/30/21	111.8	0.144	375	113.2	0.146	227	112.8	0.145	229
1/31/21	112.0	0.144	369	113.2	0.146	229	112.9	0.145	230

Table II
Wheelabrator Shasta Energy Company
Boiler Hours

Date	Boiler 1	Boiler 2	Boiler 3
1/1/21	24.0	24.0	24.0
1/2/21	24.0	24.0	24.0
1/3/21	24.0	24.0	24.0
1/4/21	24.0	24.0	24.0
1/5/21	24.0	24.0	24.0
1/6/21	24.0	24.0	24.0
1/7/21	24.0	24.0	24.0
1/8/21	24.0	24.0	24.0
1/9/21	24.0	24.0	24.0
1/10/21	24.0	24.0	24.0
1/11/21	24.0	24.0	24.0
1/12/21	24.0	24.0	24.0
1/13/21	24.0	24.0	24.0
1/14/21	24.0	24.0	24.0
1/15/21	24.0	24.0	24.0
1/16/21	24.0	24.0	24.0
1/17/21	24.0	22.9	22.9
1/18/21	24.0	5.6	0.0
1/19/21	24.0	24.0	0.0
1/20/21	24.0	24.0	0.0
1/21/21	24.0	24.0	0.0
1/22/21	24.0	24.0	6.1
1/23/21	24.0	24.0	24.0
1/24/21	24.0	24.0	24.0
1/25/21	24.0	24.0	24.0
1/26/21	24.0	24.0	24.0
1/27/21	24.0	24.0	24.0
1/28/21	24.0	24.0	24.0
1/29/21	24.0	24.0	24.0
1/30/21	24.0	24.0	24.0
1/31/21	24.0	24.0	24.0
Total Hours	744.0	724.5	629.0

TABLE III
WHEELABRATOR SHASTA ENERGY
ANNUAL CAPACITY FACTOR
(PERMITTED CAPACITY 1,017 MMBTU / HR)

			Monthly Average	Annual Capacity	Annual Capacity	Annual Capacity
Month / Year	Natural Gas	Wood	Heat Input	Factor	Factor	Factor Total
	MMBTU	MMBTU	MMBTU / HR	Natural Gas	Wood	Fuels
Jan-21	826	420,767	567	0.11%	55.2%	55.3%
Dec-20	689	393,337	530	0.10%	55.3%	55.4%
Nov-20	1,106	315,016	439	0.10%	55.7%	55.8%
Oct-20	520	429,064	577	0.09%	57.1%	57.2%
Sep-20	315	437,777	608	0.09%	57.0%	57.1%
Aug-20	918	428,287	577	0.09%	57.2%	57.3%
Jul-20	964	387,877	523	0.14%	56.2%	56.3%
Jun-20	573	439,875	612	0.13%	57.6%	57.7%
May-20	1,530	456,532	616	0.14%	57.3%	57.5%
Apr-20	2,073	394,165	550	0.13%	57.6%	57.7%
Mar-20	12	425,441	572	0.16%	58.3%	58.4%
Feb-20	512	390,272	561	0.16%	55.5%	55.7%
Jan-20	27	428,155	576	0.28%	55.2%	55.4%
Dec-19	385	432,444	582	0.31%	55.9%	56.2%
Nov-19	435	440,834	613			
Oct-19	330	413,390	556			
Sep-19	16	455,492	633			
Aug-19	5,696	340,640	466			
Jul-19	29	514,032	691			
Jun-19	1,346	416,668	581			
May-19	825	481,310	648			
Apr-19	4,646	453,571	636			
Mar-19	0	178,080	239			
Feb-19	10,964	360,447	553			
Jan-19	3,361	495,225	670			

Table IV
Wheelabrator Shasta Energy Company
Estimated Use and Emissions from Fuel Cubes and Cardboard

Month	Fuel Cubes and Cardboard Dry tons	Sulfur Content %
January	0	
February		
March		
April		
May		
June		
July		
August		
September		
October		
November		
December		
YTD	0	-

Table VI
Wheelabrator Shasta Energy Company
CEMS Downtime

Note: This report shows downtime for gas analyzers at the 1-hour level and opacity monitors at the 6-minute level

Monitor	Time O/S	Time I/S	Parameter and Reason
1	1/6/21 8:48 AM	1/6/21 8:59 AM	OPAC - Calibration Check
2	1/6/21 8:48 AM	1/6/21 8:59 AM	OPAC - Calibration Check
3	1/6/21 9:06 AM	1/6/21 9:23 AM	OPAC - Calibration Check
1	1/8/21 9:12 AM	1/8/21 9:35 AM	OPAC - Changed blower filters
2	1/8/21 9:42 AM	1/8/21 9:59 AM	OPAC - Changed blower filters
3	1/8/21 10:00 AM	1/8/21 10:17 AM	OPAC - Changed blower filters
1	1/14/21 10:00 AM	1/14/21 10:59 AM	COM - Changed hot scrubber media, check for leaks, ran cal
1	1/14/21 10:00 AM	1/14/21 10:59 AM	COR - Changed hot scrubber media, check for leaks, ran cal
1	1/14/21 10:00 AM	1/14/21 10:59 AM	NOXR - Changed hot scrubber media, check for leaks, ran cal
1	1/14/21 1:00 PM	1/14/21 1:59 PM	COM - Changed hot scrubber media, check for leaks, ran cal
3	1/14/21 1:00 PM	1/14/21 3:59 PM	COM - Changed hot scrubber media, check for leaks, ran cal
1	1/14/21 1:00 PM	1/14/21 1:59 PM	COR - Changed hot scrubber media, check for leaks, ran cal
3	1/14/21 1:00 PM	1/14/21 3:59 PM	COR - Changed hot scrubber media, check for leaks, ran cal
1	1/14/21 1:00 PM	1/14/21 1:59 PM	NOXR - Changed hot scrubber media, check for leaks, ran cal
3	1/14/21 1:00 PM	1/14/21 3:59 PM	NOXR - Changed hot scrubber media, check for leaks, ran cal
2	1/20/21 10:00 AM	1/20/21 10:59 AM	COM - Changed NOx converter filter and media, ran cal
2	1/20/21 10:00 AM	1/20/21 10:59 AM	COR - Changed NOx converter filter and media, ran cal
2	1/20/21 10:00 AM	1/20/21 10:59 AM	NOXR - Changed NOx converter filter and media, ran cal
1	1/20/21 12:00 PM	1/20/21 12:59 PM	COM - Changed NOx converter filter and media, ran cal
1	1/20/21 12:00 PM	1/20/21 12:59 PM	COR - Changed NOx converter filter and media, ran cal
1	1/20/21 12:00 PM	1/20/21 12:59 PM	NOXR - Changed NOx converter filter and media, ran cal
2	1/22/21 8:18 AM	1/22/21 10:59 AM	OPAC - Checked alignment, cleaned, ran cal
2	1/22/21 9:00 AM	1/22/21 10:59 AM	COM - Preventative maintenance
2	1/22/21 9:00 AM	1/22/21 10:59 AM	COR - Preventative maintenance
2	1/22/21 9:00 AM	1/22/21 10:59 AM	NOXR - Preventative maintenance

The abbreviations for the parameters are:

- NOXR NOx ppm @ 3% O2 for Condition 5d reporting
- COR CO ppm @ 3% O2 for Condition 5e reporting
- COM CO ppm @ 3% O2 for Condition 95 reporting (Boiler MACT)
- OPAC % Opacity



DELIVERED by: Email

March 29, 2021

Mr. Paul Hellman
Air Pollution Control Officer
Air Quality Management District
1855 Placer Street
Redding, CA 96001

Subject: Wheelabrator Shasta Energy Company Emissions Report for the Month of February 2021, Title V Operating Permit 86-TV-08i and Permits to Operate No. 86-PO-08o and 89-PO-04f.

Dear Mr. Hellman:

Attached you will find the February 2021 Emissions Report for our wood fired power plant. The report consists of the following tables.

- Table I – 30-Day Rolling Averages for CO and NOx Emissions
- Table II – Daily Hours of Operation for the Facility
- Table III – 12-Month Capacity Utilization for Wood & Natural Gas
- Table IV – Monthly Railroad Tie Usage & Associated Estimated SO2 Emissions
- Table V – NOx and CO Emissions During Startup and Shutdown
- Table VI – CEMS Downtime
- Table VII – Emission Exceedances & 6-Minute Block Opacity Averages > 20%

The CEMS were in service the entire month while the facility was operating except during periods of daily calibration and the periods of maintenance or malfunction, as listed in Table VI.

The steam generated during the month of February is given below.

Boiler #1 -	1.0207	E+8 pounds
Boiler #2 -	0.3702	E+8 pounds
Boiler #3 -	0.9956	E+8 pounds

Fuel stored off-site at the end of the month is listed below. Off-site storage is indefinite.

Burney Yard - Hwy 299, Burney CA	13,018	bone dry tons
----------------------------------	--------	---------------

Based upon information and belief formed after reasonable inquiry, I am certifying that the statements and information in this report are true, accurate, and complete. If you have any questions please contact Derrick Boom at (530) 339-7627.

Sincerely,

Bryan Booth
Plant Manager

enc Tables I through Table VII
 Fuel Pile Survey Results
 Quarterly CGA and Opacity Audit Reports

Table II
Wheelabrator Shasta Energy Company
Boiler Hours

Date	Boiler 1	Boiler 2	Boiler 3
2/1/21	24.0	24.0	24.0
2/2/21	24.0	24.0	24.0
2/3/21	24.0	24.0	24.0
2/4/21	24.0	24.0	24.0
2/5/21	24.0	24.0	24.0
2/6/21	24.0	24.0	24.0
2/7/21	24.0	24.0	24.0
2/8/21	24.0	24.0	24.0
2/9/21	24.0	24.0	24.0
2/10/21	24.0	24.0	24.0
2/11/21	24.0	24.0	24.0
2/12/21	24.0	24.0	24.0
2/13/21	24.0	23.0	24.0
2/14/21	24.0	0.0	24.0
2/15/21	24.0	0.0	24.0
2/16/21	24.0	0.0	24.0
2/17/21	24.0	0.0	24.0
2/18/21	24.0	0.0	24.0
2/19/21	24.0	0.0	24.0
2/20/21	24.0	0.0	24.0
2/21/21	24.0	0.0	24.0
2/22/21	24.0	0.0	24.0
2/23/21	24.0	0.0	24.0
2/24/21	24.0	0.0	24.0
2/25/21	24.0	0.0	24.0
2/26/21	24.0	0.0	24.0
2/27/21	24.0	0.0	24.0
2/28/21	24.0	0.0	24.0
Total Hours	672.0	311.0	672.0

TABLE III
WHEELABRATOR SHASTA ENERGY
ANNUAL CAPACITY FACTOR
(PERMITTED CAPACITY 1,017 MMBTU / HR)

			Monthly Average	Annual Capacity	Annual Capacity	Annual Capacity
Month / Year	Natural Gas	Wood	Heat Input	Factor	Factor	Factor Total
	MMBTU	MMBTU	MMBTU / HR	Natural Gas	Wood	Fuels
Feb-21	No Data	383,147	570	0.11%	55.1%	55.2%
Jan-21	826	420,767	567	0.11%	55.2%	55.3%
Dec-20	689	393,337	530	0.10%	55.3%	55.4%
Nov-20	1,106	315,016	439	0.10%	55.7%	55.8%
Oct-20	520	429,064	577	0.09%	57.1%	57.2%
Sep-20	315	437,777	608	0.09%	57.0%	57.1%
Aug-20	918	428,287	577	0.09%	57.2%	57.3%
Jul-20	964	387,877	523	0.14%	56.2%	56.3%
Jun-20	573	439,875	612	0.13%	57.6%	57.7%
May-20	1,530	456,532	616	0.14%	57.3%	57.5%
Apr-20	2,073	394,165	550	0.13%	57.6%	57.7%
Mar-20	12	425,441	572	0.16%	58.3%	58.4%
Feb-20	512	390,272	561	0.16%	55.5%	55.7%
Jan-20	27	428,155	576	0.28%	55.2%	55.4%
Dec-19	385	432,444	582			
Nov-19	435	440,834	613			
Oct-19	330	413,390	556			
Sep-19	16	455,492	633			
Aug-19	5,696	340,640	466			
Jul-19	29	514,032	691			
Jun-19	1,346	416,668	581			
May-19	825	481,310	648			
Apr-19	4,646	453,571	636			
Mar-19	0	178,080	239			
Feb-19	10,964	360,447	553			

Table IV
Wheelabrator Shasta Energy Company
Estimated Use and Emissions from Fuel Cubes and Cardboard

Month	Fuel Cubes and Cardboard Dry tons	Sulfur Content %
January	0	
February	0	
March		
April		
May		
June		
July		
August		
September		
October		
November		
December		
YTD	0	-



DELIVERED by: Email

April 23, 2021

Mr. Paul Hellman
Air Pollution Control Officer
Air Quality Management District
1855 Placer Street
Redding, CA 96001

Subject: Shasta Emissions Report for the Month of March 2021, Title V Operating Permit 86-TV-08i and Permits to Operate No. 86-PO-08o and 89-PO-04f.

Dear Mr. Hellman:

Attached you will find the March 2021 Emissions Report for our wood fired power plant. The report consists of the following tables.

- Table I – 30-Day Rolling Averages for CO and NOx Emissions
- Table II – Daily Hours of Operation for the Facility
- Table III – 12-Month Capacity Utilization for Wood & Natural Gas
- Table IV – Monthly Railroad Tie Usage & Associated Estimated SO2 Emissions
- Table V – NOx and CO Emissions During Startup and Shutdown
- Table VI – CEMS Downtime
- Table VII – Emission Exceedances & 6-Minute Block Opacity Averages > 20%

The CEMS were in service the entire month while the facility was operating except during periods of daily calibration and the periods of maintenance or malfunction, as listed in Table VI.

The steam generated during the month of March is given below.

Boiler #1 -	0.9279	E+8 pounds
Boiler #2 -	0.8199	E+8 pounds
Boiler #3 -	0.9410	E+8 pounds

Fuel stored off-site at the end of the month is listed below. Off-site storage is indefinite.

Burney Yard - Hwy 299, Burney CA	13,018	bone dry tons
----------------------------------	--------	---------------

Based upon information and belief formed after reasonable inquiry, I am certifying that the statements and information in this report are true, accurate, and complete. If you have any questions please contact Derrick Boom at (530) 339-7627.

Sincerely,

Bryan Booth
Plant Manager

enc Tables I through Table VII
 Fuel Pile Survey Results

**WHEELABRATOR SHASTA ENERGY
NOx and CO 30 DAY Rolling Averages**

Date	Boiler 1			Boiler 2			Boiler 3		
	NOx @ 3% O2 ppm	NOx lb/MMBtu	CO @ 3% O2 ppm	NOx @ 3% O2 ppm	NOx lb/MMBtu	CO @ 3% O2 ppm	NOx @ 3% O2 ppm	NOx lb/MMBtu	CO @ 3% O2 ppm
3/1/21	113	0.146	448	Not Oper	Not Oper	Not Oper	113	0.146	421
3/2/21	113	0.146	453	Not Oper	Not Oper	Not Oper	113	0.146	426
3/3/21	113	0.146	452	113	0.146	289	113	0.146	432
3/4/21	113	0.146	444	113	0.146	291	113	0.146	433
3/5/21	113	0.146	445	113	0.146	299	113	0.146	439
3/6/21	113	0.146	446	113	0.146	297	113	0.146	446
3/7/21	113.3	0.146	443	113.2	0.146	284	113.4	0.146	448
3/8/21	113.3	0.146	442	113.2	0.146	276	113.3	0.146	454
3/9/21	113.3	0.146	444	113.2	0.146	269	113.3	0.146	461
3/10/21	113.3	0.146	444	113.2	0.146	265	113.4	0.146	469
3/11/21	113.3	0.146	448	113.2	0.146	268	113.4	0.146	476
3/12/21	113.3	0.146	456	113.2	0.146	269	113.4	0.146	483
3/13/21	113.3	0.146	464	113.2	0.146	270	113.4	0.146	493
3/14/21	113.3	0.146	473	113.2	0.146	274	113.4	0.146	498
3/15/21	113.4	0.146	480	113.2	0.146	280	113.4	0.146	506
3/16/21	113.4	0.146	471	113.2	0.146	278	113.4	0.146	502
3/17/21	113.5	0.146	449	113.2	0.146	274	113.4	0.146	483
3/18/21	113.4	0.146	445	113.2	0.146	277	113.4	0.146	474
3/19/21	113.4	0.146	453	113.3	0.146	283	113.4	0.146	472
3/20/21	113.4	0.146	449	113.3	0.146	281	113.4	0.146	466
3/21/21	113.4	0.146	438	113.2	0.146	280	113.4	0.146	462
3/22/21	113.4	0.146	436	113.3	0.146	284	113.4	0.146	455
3/23/21	113.4	0.146	435	113.3	0.146	286	113.3	0.146	445
3/24/21	113.4	0.146	428	113.3	0.146	284	113.3	0.146	436
3/25/21	113.4	0.146	422	113.3	0.146	279	113.3	0.146	428
3/26/21	113.3	0.146	425	113.3	0.146	277	113.3	0.146	426
3/27/21	113.3	0.146	426	113.3	0.146	271	113.2	0.146	420
3/28/21	113.3	0.146	411	113.3	0.146	262	113.2	0.146	404
3/29/21	113.3	0.146	408	113.3	0.146	258	113.2	0.146	397
3/30/21	113.3	0.146	402	113.3	0.146	258	113.2	0.146	392
3/31/21	113.3	0.146	391	113.3	0.146	255	113.2	0.146	376

Table II
Wheelabrator Shasta Energy Company
Boiler Hours

Date	Boiler 1	Boiler 2	Boiler 3
3/1/21	24.0	0.0	24.0
3/2/21	24.0	0.0	24.0
3/3/21	24.0	13.8	24.0
3/4/21	24.0	24.0	24.0
3/5/21	24.0	24.0	24.0
3/6/21	24.0	24.0	24.0
3/7/21	24.0	24.0	24.0
3/8/21	24.0	24.0	24.0
3/9/21	24.0	24.0	24.0
3/10/21	24.0	24.0	24.0
3/11/21	24.0	24.0	24.0
3/12/21	24.0	24.0	24.0
3/13/21	24.0	24.0	24.0
3/14/21	24.0	24.0	24.0
3/15/21	24.0	24.0	24.0
3/16/21	24.0	24.0	24.0
3/17/21	24.0	24.0	24.0
3/18/21	24.0	24.0	24.0
3/19/21	24.0	24.0	24.0
3/20/21	24.0	24.0	24.0
3/21/21	24.0	24.0	24.0
3/22/21	24.0	24.0	24.0
3/23/21	24.0	24.0	24.0
3/24/21	24.0	24.0	24.0
3/25/21	24.0	24.0	24.0
3/26/21	24.0	24.0	24.0
3/27/21	24.0	24.0	24.0
3/28/21	24.0	24.0	24.0
3/29/21	24.0	24.0	24.0
3/30/21	24.0	24.0	24.0
3/31/21	24.0	24.0	24.0
Total Hours	744.0	685.8	744.0

TABLE III
WHEELABRATOR SHASTA ENERGY
ANNUAL CAPACITY FACTOR
(PERMITTED CAPACITY 1,017 MMBTU / HR)

			Monthly Average	Annual Capacity	Annual Capacity	Annual Capacity
Month / Year	Natural Gas	Wood	Heat Input	Factor	Factor	Factor Total
	MMBTU	MMBTU	MMBTU / HR	Natural Gas	Wood	Fuels
Mar-21	223	431,483	580	0.11%	55.2%	55.3%
Feb-21	436	383,147	571	0.11%	55.1%	55.2%
Jan-21	826	420,767	567	0.11%	55.2%	55.3%
Dec-20	689	393,337	530	0.10%	55.3%	55.4%
Nov-20	1,106	315,016	439	0.10%	55.7%	55.8%
Oct-20	520	429,064	577	0.09%	57.1%	57.2%
Sep-20	315	437,777	608	0.09%	57.0%	57.1%
Aug-20	918	428,287	577	0.09%	57.2%	57.3%
Jul-20	964	387,877	523	0.14%	56.2%	56.3%
Jun-20	573	439,875	612	0.13%	57.6%	57.7%
May-20	1,530	456,532	616	0.14%	57.3%	57.5%
Apr-20	2,073	394,165	550	0.13%	57.6%	57.7%
Mar-20	12	425,441	572	0.16%	58.3%	58.4%
Feb-20	512	390,272	561	0.16%	55.5%	55.7%
Jan-20	27	428,155	576			
Dec-19	385	432,444	582			
Nov-19	435	440,834	613			
Oct-19	330	413,390	556			
Sep-19	16	455,492	633			
Aug-19	5,696	340,640	466			
Jul-19	29	514,032	691			
Jun-19	1,346	416,668	581			
May-19	825	481,310	648			
Apr-19	4,646	453,571	636			
Mar-19	0	178,080	239			

Table IV
Wheelabrator Shasta Energy Company
Estimated Use and Emissions from Fuel Cubes and Cardboard

Month	Fuel Cubes and Cardboard Dry tons	Sulfur Content %
January	0	
February	0	
March	0	
April		
May		
June		
July		
August		
September		
October		
November		
December		
YTD	0	-

Table VI
Wheelabrator Shasta Energy Company
CEMS Downtime

Note: This report shows downtime for gas analyzers at the 1-hour level and opacity monitors at the 6-minute level

Monitor	Time O/S	Time I/S	Parameter and Reason
3	3/2/21 6:00 AM	3/3/21 8:59 AM	NOXR - OOC - peristaltic pump tubing failure; replace tubing, check for leaks, run cal
3	3/2/21 6:00 AM	3/3/21 8:59 AM	COR - OOC - peristaltic pump tubing failure; replace tubing, check for leaks, run cal
3	3/3/21 6:00 AM	3/3/21 8:59 AM	COM - OOC - peristaltic pump tubing failure; replace tubing, check for leaks, run cal
2	3/3/21 12:00 PM	3/3/21 12:59 PM	NOXR - Monthly PM check
2	3/3/21 12:00 PM	3/3/21 12:59 PM	COR - Monthly PM check
2	3/3/21 12:00 PM	3/3/21 12:59 PM	COM - Monthly PM check
2	3/10/21 11:00 AM	3/10/21 11:59 AM	NOXR - Quarterly Audit
2	3/10/21 11:00 AM	3/10/21 11:59 AM	COR - Quarterly Audit
2	3/10/21 11:00 AM	3/10/21 11:59 AM	COM - Quarterly Audit
1	3/10/21 12:00 PM	3/10/21 12:59 PM	NOXR - Quarterly Audit
1	3/10/21 12:00 PM	3/10/21 12:59 PM	COR - Quarterly Audit
1	3/10/21 12:00 PM	3/10/21 12:59 PM	COM - Quarterly Audit
1	3/11/21 8:06 AM	3/11/21 10:05 AM	OPAC - Quarterly Audit
2	3/11/21 10:12 AM	3/11/21 12:05 PM	OPAC - Quarterly Audit
3	3/11/21 12:24 PM	3/11/21 2:29 PM	OPAC - Quarterly Audit
2	3/29/21 7:00 AM	3/29/21 7:59 AM	NOXR - Changed particulate filter and moisture sensor filters
2	3/29/21 7:00 AM	3/29/21 7:59 AM	COR - Changed particulate filter and moisture sensor filters
2	3/29/21 7:00 AM	3/29/21 7:59 AM	COM - Changed particulate filter and moisture sensor filters
3	3/29/21 7:00 AM	3/29/21 7:59 AM	NOXR - Changed particulate filter and moisture sensor filters
3	3/29/21 7:00 AM	3/29/21 7:59 AM	COR - Changed particulate filter and moisture sensor filters
3	3/29/21 7:00 AM	3/29/21 7:59 AM	COM - Changed particulate filter and moisture sensor filters

The abbreviations for the parameters are:

- NOXR NOx ppm @ 3% O2 for Condition 5d reporting
- COR CO ppm @ 3% O2 for Condition 5e reporting
- COM CO ppm @ 3% O2 for Condition 95 reporting (Boiler MACT)
- OPAC % Opacity

DELIVERED by: Email

May 21, 2021

Mr. Paul Hellman
Air Pollution Control Officer
Air Quality Management District
1855 Placer Street
Redding, CA 96001

Subject: Shasta Sustainable Resource Management Emissions Report for the Month of April 2021, Title V Operating Permit 86-TV-08i and Permits to Operate No. 86-PO-08o and 89-PO-04f.

Dear Mr. Hellman:

Attached you will find the April 2021 Emissions Report for our wood fired power plant. The report consists of the following tables.

Table I – 30-Day Rolling Averages for CO and NOx Emissions
Table II – Daily Hours of Operation for the Facility
Table III – 12-Month Capacity Utilization for Wood & Natural Gas
Table IV – Monthly Railroad Tie Usage & Associated Estimated SO2 Emissions
Table V – NOx and CO Emissions During Startup and Shutdown
Table VI – CEMS Downtime
Table VII – Emission Exceedances & 6-Minute Block Opacity Averages > 20%

The CEMS were in service the entire month while the facility was operating except during periods of daily calibration and the periods of maintenance or malfunction, as listed in Table VI.

The steam generated during the month of April is given below.

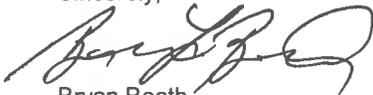
Boiler #1 -	0.4813	E+8 pounds
Boiler #2 -	0.7598	E+8 pounds
Boiler #3 -	0.7274	E+8 pounds

Fuel stored off-site at the end of the month is listed below. Off-site storage is indefinite.

Burney Yard - Hwy 299, Burney CA	12,691	bone dry tons
----------------------------------	--------	---------------

Based upon information and belief formed after reasonable inquiry, I am certifying that the statements and information in this report are true, accurate, and complete. If you have any questions please contact Derrick Boom at (530) 339-7627.

Sincerely,



Bryan Booth
Plant Manager

enc Tables I through Table VII
 Fuel Pile Survey Results

Table II
SHASTA SUSTAINABLE RESOURCE MANAGEMENT
Boiler Hours

Date	Boiler 1	Boiler 2	Boiler 3
4/1/21	24.0	24.0	24.0
4/2/21	24.0	24.0	24.0
4/3/21	24.0	24.0	24.0
4/4/21	24.0	24.0	24.0
4/5/21	24.0	24.0	24.0
4/6/21	24.0	24.0	24.0
4/7/21	24.0	24.0	24.0
4/8/21	24.0	24.0	24.0
4/9/21	24.0	24.0	24.0
4/10/21	20.4	24.0	24.0
4/11/21	0.0	24.0	24.0
4/12/21	0.0	24.0	24.0
4/13/21	0.0	24.0	24.0
4/14/21	0.0	24.0	24.0
4/15/21	0.0	24.0	24.0
4/16/21	0.0	24.0	24.0
4/17/21	0.0	19.2	19.7
4/18/21	0.0	0.0	0.0
4/19/21	0.0	0.0	0.0
4/20/21	0.0	0.0	0.0
4/21/21	0.0	0.0	0.0
4/22/21	0.0	0.0	0.0
4/23/21	0.0	0.0	0.0
4/24/21	3.1	0.0	3.1
4/25/21	24.0	7.1	24.0
4/26/21	24.0	24.0	9.9
4/27/21	24.0	24.0	3.3
4/28/21	24.0	24.0	24.0
4/29/21	24.0	24.0	24.0
4/30/21	24.0	24.0	24.0
Total Hours	383.5	530.3	515.9

TABLE III
SHASTA SUSTAINABLE RESOURCE MANAGEMENT
ANNUAL CAPACITY FACTOR
(PERMITTED CAPACITY 1,017 MMBTU / HR)

			Monthly Average	Annual Capacity	Annual Capacity	Annual Capacity
Month / Year	Natural Gas	Wood	Heat Input	Factor	Factor	Factor Total
	MMBTU	MMBTU	MMBTU / HR	Natural Gas	Wood	Fuels
Apr-21	265	313,873	436	0.09%	54.3%	54.4%
Mar-21	223	431,483	580	0.11%	55.2%	55.3%
Feb-21	436	383,147	571	0.11%	55.1%	55.2%
Jan-21	826	420,767	567	0.11%	55.2%	55.3%
Dec-20	689	393,337	530	0.10%	55.3%	55.4%
Nov-20	1,106	315,016	439	0.10%	55.7%	55.8%
Oct-20	520	429,064	577	0.09%	57.1%	57.2%
Sep-20	315	437,777	608	0.09%	57.0%	57.1%
Aug-20	918	428,287	577	0.09%	57.2%	57.3%
Jul-20	964	387,877	523	0.14%	56.2%	56.3%
Jun-20	573	439,875	612	0.13%	57.6%	57.7%
May-20	1,530	456,532	616	0.14%	57.3%	57.5%
Apr-20	2,073	394,165	550	0.13%	57.6%	57.7%
Mar-20	12	425,441	572	0.16%	58.3%	58.4%
Feb-20	512	390,272	561			
Jan-20	27	428,155	576			
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Sep-19	16	455,492	633			
Aug-19	5,696	340,640	466			
Jul-19	29	514,032	691			
Jun-19	1,346	416,668	581			
May-19	825	481,310	648			
Apr-19	4,646	453,571	636			

Table IV
SHASTA SUSTAINABLE RESOURCE MANAGEMENT
Estimated Use and Emissions from Fuel Cubes and Cardboard

Month	Fuel Cubes and Cardboard Dry tons	Sulfur Content %
January	0	
February	0	
March	0	
April	0	
May		
June		
July		
August		
September		
October		
November		
December		
YTD		

PACIFIC GAS AND ELECTRIC COMPANY

ATTACHMENT 3

Burney Forest Products Air Quality Attestation

**APPENDIX C
AIR QUALITY ATTESTATION**

[VIA ELECTRONIC SUBMISSION]



June 2, 2021

PG&E

Attn: Energy Contract Management & Settlements
77 Beale Street, Mail Code NI2E
San Francisco, CA 94105-1702

Subject: Bioenergy Renewable Auction Mechanism Power Purchase Agreement (“BioRAM PPA”) by and between PG&E (“Buyer”) and Burney Forest Products, A Joint Venture (“Seller”) – Seller’s Air Quality Attestation

Dear Sir or Madam:

Seller attests that the Project is in compliance with all applicable air pollution and control requirements for the period beginning November 1, 2020 and ending April 30, 2021. Seller hereby represents and warrants that:

1. This Air Quality Attestation is submitted on or prior to the semiannual air quality attestation due date as specified in Section 3.11.
2. Seller was in compliance with all applicable air pollution and control requirements for the period.
3. List of non-compliance: None.

Compliance with the Project’s applicable air quality and control requirements is documented in the attached Air Pollution Report. Buyer may request additional information to accommodate reporting and demonstrate Seller’s compliance with air pollution and control requirements.

Capitalized terms used but not otherwise defined in this letter have the meanings set forth in the BioRAM PPA. The authorized signature from the Seller certifies that Seller has the knowledge and authority to attest that the information on this form is true and correct.

Seller	Burney Forest Products
Print Name	Billy Dillard
Signature	
Title	Plant Manager
Date	June 2, 2021

PACIFIC GAS AND ELECTRIC COMPANY

ATTACHMENT 4

Burney Forest Products Semi-Annual

Certification and Monthly Emissions Reports



May 20, 2021

Ms. Lindsey Welch
Senior Air Pollution Inspector
Shasta County Air Quality Management District
1855 Placer Street, Suite 101
Redding, CA 96001

Re: **Title V Semi-Annual Monitoring Report**
Title V Operating Permit # 87-TV-27n
Burney Forest Products

Dear Ms. Welch

In accordance with Conditions 23 of the referenced permit, enclosed please find Burney Forest Product's completed Semi-Annual Monitoring Report. This submittal covers the time period from October 14, 2020 through April 13, 2021 reporting period.

If you have any questions or require additional information, please do not hesitate to contact me at 530-335-5023.

Sincerely,

A handwritten signature in black ink, appearing to read 'Bill Dillard', with a long horizontal flourish extending to the right.

Bill Dillard,
Plant Manager, Burney Forest Products

Enclosures

cc: John Christian, Olympus Power (email)
File 201-40-09

CERTIFICATION REPORT (FORM 5-K1)

DISTRICT: Shasta County AQMD	< DISTRICT USE ONLY =
	DISTRICT ID:
COMPANY NAME: Burney Forest Products, a Joint Venture	FACILITY NAME: Burney Forest Products

I. FACILITY INFORMATION

1. Company Name: Burney Forest Products, a Joint Venture
2. Facility Name (if different than Company Name): Burney Forest Products
3. Mailing Address: 35586-B Highway 299 East, Burney, CA 96013
4. Street Address or Source Location: Same as mailing address
5. Facility Permit Number: 87-TV-27n

II. GENERAL INFORMATION

1. Reporting period (specify dates): October 14, 2020 through April 13, 2021
2. Due date for submittal of report: May 28, 2021

3. Type of submittal: Monitoring Report (complete Section III below)
 Compliance Schedule Progress Report (complete Section IV of Form 5-K2)
 Compliance Certification (complete Section V of Form 5-K2)

III. MONITORING REPORT INFORMATION

1. Were deviations from monitoring requirements encountered during the reporting period?
 No Yes (If Yes, complete Form 5-L)

CERTIFICATION REPORT (FORM 5-K2)

DISTRICT: Shasta County AQMD	< DISTRICT USE ONLY =
	DISTRICT ID:
COMPANY NAME: Burney Forest Products, a Joint Venture	FACILITY NAME: Burney Forest Products

IV. COMPLIANCE SCHEDULE PROGRESS INFORMATION

1. Dates the activities, milestones, or compliance required by schedule of compliance was achieved/will be achieved:

2. Provide explanation of why any dates in schedule of compliance were not/will not be met:

3. Describe in chronological order preventive or corrective action taken:

V. COMPLIANCE CERTIFICATION

1. Was source in compliance during the reporting period specified in Section II of Form 5-K1 and is source currently in compliance with all applicable federal requirements and permit conditions.

Yes No (If no, re-submit Forms 5-I and 5-J)

I certify based on information and belief formed after reasonable inquiry, the statement and information in this document and supplements are true, accurate, and complete.


Signature of Responsible Official

5-20-2021
Date

Bill Dillard
Print Name of Responsible Official

Plant Manager, Burney Forest Products
Title of Responsible Official and Company Name

Telephone Number of Responsible Official: (530) 335 - 5023

DEVIATION REPORT (FORM 5-L)

DISTRICT: Shasta County AQMD	< DISTRICT USE ONLY =
	DISTRICT ID:
COMPANY NAME: Burney Forest Products, a Joint Venture	FACILITY NAME: Burney Forest Products

I. DEVIATION INFORMATION

1. Permit number(s) of emission unit or control unit affected: 87-TV-27n
2. Description of deviation: Compliance Assurance Monitoring Plan Excursion – ESP Transformer Voltage out of Range.
3. Description and identification of permit condition(s) deviated: Condition 43 – The permittee shall respond to and report as excursions all periods where the following conditions (as described in the Compliance Assurance Monitoring Plan) have occurred: a. Primary Transformer Voltage of less than 70 volts AC. B. Secondary (Precipitator) Voltage less than 10.0 KV, (DC). C. Secondary Transformer (Precipitator) Current less than 0.01 MA, (DC).
4. Associated equipment and equipment operation (if any): Boiler # 2 ESP TR-2B.
5. Date and time when deviation was discovered: November 9, 2020 at approximately 23:33; Reported to the District on November 10, 2020 at 17:52. Was shut down for repairs on November 10, 2020 starting at 16:04.
6. Date, time and duration of deviation: November 9, 2020 at approximately 23:33 hours. Duration was approximately 16 hours.
7. Probable cause of deviation: At around 23:33 hours, the Operator noticed Boiler #2 ESP TR-2B shut off and didn't restart. The cause was that one or more plates were out of place in the ESP. Despite running without this ESP zone, no excess emissions were observed.
8. Preventive or corrective action taken: BFP determined that a shutdown was necessary in order to correct and repair the non-starting TR-2B zone, and shut down Boiler #2 and ESP#2 for repairs on November 10, 2020. Repairs were made, TR-2B became functional and the boiler was started back up on November 12, 2020.



December 18, 2020

Ms. Lindsey Welch
Senior Air Pollution Inspector
Shasta County Air Quality Management District
1855 Placer Street, Suite 101
Redding, CA 96001

Re: **Monthly Emission Report – November 2020**
Burney Forest Products

Dear Ms. Welch,

Pursuant to Title V Operating Permit 87-TV-27n, Condition 20, enclosed please find the November 2020 *Monthly Emissions Report* for Burney Forest Products (BFP).

If you have any questions or require additional information, please contact Josh Hirschi, EH&S Manager, at 530-335-5023 ext. 105.

Sincerely,

A handwritten signature in black ink, appearing to read 'Bill Dillard', with a long, sweeping underline.

Bill Dillard
Plant Manager

Cc: John Christian (email)

File: 201-40-03

BURNEY FOREST PRODUCTS
Monthly Emissions Report
November 2020

EXCESS EMISSION SUMMARY			
Parameter	Limit	Averaging Period	Excursions
CO – Gas	400 ppm@3% O2	24-hr Block Avg (Calendar Day)	None
CO - Wood	1,200 ppm@12% CO2	24-hr Block Avg (Calendar Day)	None
NOx – Gas	70 ppm@3% O2	3-hr Block Avg	None
NOx – Gas	0.084 lb/mmBtu	3-hr Block Avg	None
NOx – Wood	0.12 lb/mmBtu	3-hr Block Avg	None
NOx – Mixed Fuel – Boiler 1	0.145 lb/mmBtu	3-hr Block Avg	None
NOx – Mixed Fuel – Boiler 2	0.146 lb/mmBtu	3-hr Block Avg	None
NOx – All Fuels	57.4 lb/hr (both boilers combined)	1-hr Total	None
NOx – All Fuels	250 ppm@12% CO2	1-hr Avg	None
Opacity	20%	6-min Avg	None
Opacity	40%	3-min aggr./hr	None

CEMS/COMS DOWNTIME PERIODS	
NOx	
Boiler 1	None
Boiler 2	None
CO	
Boiler 1	None
Boiler 2	None
CO2	
Boiler 1	None
Boiler 2	On 11/22/2020: Thirty (30) hours downtime due to a bad connection on the analyzer circuit board, which was repaired.
O2	
Boiler 1	None
Boiler 2	None
OPACITY	
Boiler 1	None
Boiler 2	None

OPERATING DATA	
Ammonia Usage (Pounds)	
Boiler 1	19,051
Boiler 2	29,193
Total Both Boilers	48,244
Boiler Operating Time (Hours)	
Boiler 1	608
Boiler 2	572

BOILER OFF LINE TIMES				
Boiler 1				
Boiler Off line		Boiler On line		Cause
Date	Time off	Date	Time on	
11/5/20	05:35	11/9/20	16:18	Offline for PG&E Requested Outage
Boiler 2				
Boiler Off line		Boiler On line		Cause
Date	Time off	Date	Time on	
11/4/20	06:41	11/10/20	07:16	Offline for PG&E Requested Outage
11/10/20	16:04	11/12/20	22:41	Offline for Unscheduled Maintenance

Note: Boiler Off Line Times are in DAHS time

CAM Plan Excursions	
Date	Description
	None

Burney Forest Products
Wood Fuel: Nov 2020

Day	#1 Boiler									#2 Boiler							
	Belt Scale Reading	Hours on Wood	Average Green	Daily Moisture	Bone Dry Tons	Average Bone Dry Tons Per Hour	Average Wood Heat Input mmbtu/hr	Average Daily Steam Flow KPPH	Belt Scale Reading	Hours on Wood	Average Green	Daily Moisture	Bone Dry Tons	Average Bone Dry Tons Per Hour	Average Wood Heat Input mmbtu/hr	Average Daily Steam Flow KPPH	
	Total Green Tons	Fuel	Tons/hr	%	Day	Per Hour	mmBtu/hr	Flow KPPH	Total Green Tons	Fuel	Tons/hr	%	Day	Per Hour	mmBtu/hr	Flow KPPH	
1	680.0	24.0	28.3	44%	382.1	15.9	278.6	193.9	700.0	24.0	29.2	44%	393.4	16.4	286.8	193.8	
2	650.0	23.9	27.2	42%	378.9	15.8	277.0	189.7	676.8	24.0	28.2	42%	394.5	16.5	288.0	192.6	
3	630.0	24.0	26.3	41%	371.5	15.5	270.9	191.5	648.4	24.0	27.1	41%	382.4	16.0	279.2	188.3	
4	660.0	24.0	27.5	42%	385.4	16.1	281.4	189.3	678.4	24.0	28.3	42%	396.2	16.5	288.9	190.9	
5	137.6	5.6	24.7	36%	87.5	15.7	275.0	161.5	163.3	6.2	26.3	36%	103.9	16.8	293.2	156.3	
6	0.0	0.0	0.0	33%	0.0	0.0	0.0	0.0	0.0	2.5	0.0	0%	0.0	0.0	0.0	0.0	
7	0.0	0.0	0.0	33%	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0%	0.0	0.0	0.0	0.0	
8	0.0	0.0	0.0	32%	0.0	0.0	0.0	0.0	0.0	7.1	0.0	0%	0.0	0.0	0.0	0.0	
9	20.5	2.7	7.5	33%	13.8	5.0	88.4	100.3	46.1	9.3	5.0	33%	31.0	3.3	58.5	62.0	
10	485.2	24.0	20.2	41%	285.8	11.9	208.7	178.2	344.3	15.7	22.0	41%	202.8	12.9	226.3	160.9	
11	572.0	24.0	23.8	42%	332.4	13.8	242.4	188.8	1.3	0.0	0.0	42%	0.8	0.0	0.0	0.0	
12	550.0	24.0	22.9	41%	326.4	13.6	238.0	185.5	35.4	2.9	12.2	41%	21.0	7.2	126.7	143.0	
13	620.0	24.0	25.9	41%	367.0	15.3	268.2	185.0	698.1	24.0	29.1	41%	413.3	17.2	301.6	190.3	
14	690.0	24.0	28.8	43%	392.7	16.4	286.3	192.7	728.3	24.0	30.4	43%	414.5	17.3	302.9	189.7	
15	700.0	24.0	29.2	43%	398.4	16.6	290.5	188.7	732.9	24.0	30.5	43%	417.1	17.4	304.1	190.4	
16	660.0	24.0	27.5	42%	382.2	15.9	278.7	195.8	686.4	24.0	28.6	42%	397.5	16.6	289.8	189.7	
17	710.0	24.0	29.6	42%	413.6	17.2	301.6	194.7	715.6	24.0	29.8	42%	416.8	17.4	304.1	191.5	
18	750.0	24.0	31.3	45%	415.0	17.3	302.6	193.4	771.2	24.0	32.2	45%	426.7	17.8	311.6	192.5	
19	750.0	24.0	31.3	46%	403.1	16.8	293.9	191.0	786.0	24.0	32.8	46%	422.4	17.6	308.4	189.7	
20	750.0	24.0	31.3	45%	410.1	17.1	299.0	191.7	767.8	24.0	32.0	45%	419.8	17.5	306.6	191.5	
21	760.0	24.0	31.7	44%	422.3	17.6	308.0	192.8	784.1	24.0	32.7	44%	435.7	18.2	317.7	190.9	
22	740.0	24.0	30.8	45%	408.9	17.0	298.2	189.2	769.0	24.0	32.1	45%	424.9	17.7	310.3	191.0	
23	650.0	24.0	27.1	44%	366.5	15.3	267.3	187.4	768.6	24.0	32.0	44%	433.4	18.1	316.0	191.3	
24	700.0	24.0	29.2	43%	399.3	16.6	291.2	192.4	701.5	24.0	29.2	43%	400.2	16.7	292.0	185.8	
25	710.0	24.0	29.6	42%	408.4	17.0	298.2	192.3	728.2	24.0	30.3	42%	418.9	17.5	305.4	188.8	
26	740.0	24.0	30.8	44%	417.7	17.4	304.6	189.3	758.2	24.0	31.6	44%	428.0	17.9	312.5	189.8	
27	750.0	24.0	31.3	44%	418.1	17.4	304.9	193.1	766.1	24.0	31.9	44%	427.1	17.8	311.4	191.0	
28	710.0	24.0	29.6	44%	399.0	16.6	290.9	192.6	727.7	24.0	30.4	44%	409.0	17.1	298.6	190.4	
29	740.0	24.0	30.8	44%	415.3	17.3	302.8	192.4	752.6	24.0	31.4	44%	422.4	17.6	308.0	193.2	
30	650.0	24.0	27.1	42%	377.7	15.7	275.4	192.4	683.8	24.0	28.5	42%	397.4	16.6	289.9	190.9	
	553.9			42%	321.9				664.6			42%					
Total	17,719	608			10,101				17,285	572			9,451				
Average							247								245		
12 Month Rolling Avg Wood/(Gas+Wood) "Db" Cap. Factor =								72%	12 Month Rolling Avg Wood/(Gas+Wood) "Db" Cap. Factor =								74%

Burney Forest Products

Natural Gas Fuel:

Nov 2020

Day	#1 Boiler						#2 Boiler						Plant Total Gas Usage MCF Day
	Hours on Gas Fuel Only	Hours on Gas Fuel Co-Fire	Gas Usage MCF Day	HHV		Heat Input Day mmbtu	Hours on Gas Fuel Only	Hours on Gas Fuel Co-Fire	Gas Usage MCF Day	HHV		Heat Input Day mmbtu	
				Average	Gas					Average	Gas		
				Usage Rate MCF/hr	Heat Input Rate mmbtu/hr					Usage Rate MCF/hr	Heat Input Rate mmbtu/hr		
1	0.00	24.00	319	13.3	13.5	323.6	0.00	24.00	527	21.9	22.3	534.6	846
2	0.00	14.40	355	24.6	25.0	359.8	0.00	9.77	170	17.4	17.7	172.8	525
3	0.00	0.00	0	0.0	0.0	0.0	0.00	2.65	121	45.5	46.2	122.3	121
4	0.00	3.12	200	64.3	65.3	203.5	0.00	0.00	0	0.0	0.0	0.0	200
5	0.00	0.48	14	28.4	28.8	13.9	0.10	0.12	1	2.7	2.7	0.6	14
6	0.00	0.00	0	0.0	0.0	0.0	4.27	1.67	0	0.0	0.0	0.0	0
7	0.00	0.00	0	0.0	0.0	0.0	0.00	0.98	22	22.8	23.1	22.8	22
8	0.00	0.00	0	0.0	0.0	0.0	0.00	7.07	190	26.9	27.3	192.9	190
9	4.95	2.73	286	37.2	37.7	290.0	1.47	9.28	290	26.9	27.3	293.9	575
10	0.00	21.67	822	37.9	38.5	834.5	0.00	11.78	436	37.0	37.6	442.6	1258
11	0.00	24.00	361	15.0	15.3	366.1	0.00	0.00	0	0.0	0.0	0.0	361
12	0.00	24.00	335	14.0	14.2	339.8	2.93	2.90	201	34.4	35.0	203.9	536
13	0.02	23.95	543	22.7	23.0	551.1	0.00	2.02	37	18.4	18.6	37.6	580
14	0.00	24.00	330	13.8	14.0	335.3	0.00	9.95	93	9.4	9.5	94.7	424
15	0.00	24.00	541	22.5	22.9	548.9	0.00	24.00	0	0.0	0.0	0.0	541
16	0.00	24.00	306	12.8	12.9	310.6	0.00	24.00	140	5.8	5.9	141.8	446
17	0.00	24.00	487	20.3	20.6	494.5	0.00	14.77	0	0.0	0.0	0.0	487
18	0.00	24.00	253	10.5	10.7	256.5	0.00	1.95	129	66.2	67.2	131.0	382
19	0.00	24.00	401	16.7	17.0	407.5	0.00	5.25	96	18.3	18.5	97.4	497
20	0.00	24.00	346	14.4	14.6	351.0	0.00	1.92	112	58.5	59.4	113.9	458
21	0.00	24.00	368	15.3	15.5	373.0	0.00	0.00	0	0.0	0.0	0.0	368
22	0.00	24.00	102	4.2	4.3	103.1	0.00	2.97	133	44.8	45.5	135.0	235
23	0.00	24.00	372	15.5	15.8	378.1	0.00	0.00	0	0.0	0.0	0.0	372
24	0.00	24.00	293	12.2	12.4	297.2	0.00	4.60	142	30.8	31.3	143.8	435
25	0.00	23.97	455	19.0	19.3	461.9	0.00	0.00	0	0.0	0.0	0.0	455
26	0.00	24.00	293	12.2	12.4	297.7	0.00	2.60	83	31.9	32.4	84.2	376
27	0.00	24.00	504	21.0	21.3	511.8	0.00	0.00	0	0.0	0.0	0.0	504
28	0.00	24.00	317	13.2	13.4	322.0	0.00	3.08	190	61.7	62.7	193.2	508
29	0.00	24.00	31	1.3	1.3	31.3	0.00	0.00	0	0.0	0.0	0.0	31
30	0.00	24.00	152	6.3	6.4	154.1	0.00	13.95	381	27.3	27.7	387.1	533
Total	4.97	546	8,785			8,917	8.77	181	3,494			3,546	12,279
Average					16.2					18.7			
Current Month, Gas/(Gas+Wood) "Db" Capacity Factor =						4%	Current Month, Gas/(Gas+Wood) "Db" Capacity Factor =						2%
12 Month Rolling Avg Gas/(Gas+Wood) "Db" Cap. Factor =						5%	12 Month Rolling Avg Gas/(Gas+Wood) "Db" Cap. Factor =						4%
Flame Stabilization MCF						8,706	Flame Stabilization MCF						3,333
Other Gas Uses						79	Other Gas Uses						161
										Flame Stabilization Total =			12,038
										Other Gas Uses Total =			240



January 28, 2021

Ms. Lindsey Welch
Senior Air Pollution Inspector
Shasta County Air Quality Management District
1855 Placer Street, Suite 101
Redding, CA 96001

Re: **Monthly Emission Report – December 2020**
Burney Forest Products

Dear Ms. Welch,

Pursuant to Title V Operating Permit 87-TV-27n, Condition 20, enclosed please find the December 2020 *Monthly Emissions Report* for Burney Forest Products (BFP).

If you have any questions or require additional information, please contact Josh Hirschi, EH&S Manager, at 530-335-5023 ext. 105.

Sincerely,

A handwritten signature in black ink, appearing to read 'Bill Dillard', with a long horizontal flourish extending to the right.

Bill Dillard
Plant Manager

Cc: John Christian (email)

File: 201-40-03

BURNEY FOREST PRODUCTS
Monthly Emissions Report
December 2020

EXCESS EMISSION SUMMARY			
Parameter	Limit	Averaging Period	Excursions
CO – Gas	400 ppm@3% O2	24-hr Block Avg (Calendar Day)	None
CO - Wood	1,200 ppm@12% CO2	24-hr Block Avg (Calendar Day)	None
NOx – Gas	70 ppm@3% O2	3-hr Block Avg	None
NOx – Gas	0.084 lb/mmBtu	3-hr Block Avg	None
NOx – Wood	0.12 lb/mmBtu	3-hr Block Avg	None
NOx – Mixed Fuel – Boiler 1	0.145 lb/mmBtu	3-hr Block Avg	None
NOx – Mixed Fuel – Boiler 2	0.146 lb/mmBtu	3-hr Block Avg	None
NOx – All Fuels	57.4 lb/hr (both boilers combined)	1-hr Total	None
NOx – All Fuels	250 ppm@12% CO2	1-hr Avg	None
Opacity	20%	6-min Avg	None
Opacity	40%	3-min aggr./hr	None

CEMS/COMS DOWNTIME PERIODS	
NOx	
Boiler 1	None
Boiler 2	None
CO	
Boiler 1	None
Boiler 2	None
CO2	
Boiler 1	None
Boiler 2	None
O2	
Boiler 1	None
Boiler 2	None
OPACITY	
Boiler 1	On 12/15/2020: Eleven (11) 6-min periods downtime for CEMS CGA.
Boiler 1	On 12/22/2020: Five (5) 6-min periods downtime for an opacity audit.
Boiler 2	On 12/15/2020: Eleven (11) 6-min periods downtime for CEMS CGA.
Boiler 2	On 12/22/2020: Four (4) 6-min periods downtime for an opacity audit.

OPERATING DATA	
Ammonia Usage (Pounds)	
Boiler 1	32,241
Boiler 2	55,746
Total Both Boilers	87,987
Boiler Operating Time (Hours)	
Boiler 1	743
Boiler 2	743

BOILER OFF LINE TIMES				
Boiler 1				
Boiler Off line		Boiler On line		Cause
Date	Time off	Date	Time on	
				No Downtime during December 2020
Boiler 2				
Boiler Off line		Boiler On line		Cause
Date	Time off	Date	Time on	
12/29/20	04:08	12/10/20	08:59	Offline for Unscheduled Maintenance

Note: Boiler Off Line Times are in DAHS time

CAM Plan Excursions	
Date	Description
	None

Burney Forest Products
Wood Fuel: Dec 2020

Day	#1 Boiler									#2 Boiler							
	Belt Scale Reading	Hours on Wood	Average Green	Daily Moisture	Bone Dry Tons	Average Bone Dry	Average Wood Heat	Average Daily Steam	Belt Scale Reading	Hours on Wood	Average Green	Daily Moisture	Bone Dry Tons	Average Bone Dry	Average Wood Heat	Average Daily Steam	
	Total Green Tons	Fuel	Tons/hr	%	Day	Tons Per Hour	mmbtu/hr	Flow KPPH	Total Green Tons	Fuel	Tons/hr	%	Day	Tons Per Hour	mmbtu/hr	Flow KPPH	
1	690.0	24.0	28.8	42%	401.8	16.7	293.0	190.2	702.2	23.9	29.3	42%	408.9	17.1	299.0	191.6	
2	589.4	24.0	24.6	42%	344.7	14.4	251.3	185.9	403.4	24.0	16.8	42%	235.9	9.8	172.0	144.5	
3	715.0	24.0	29.8	43%	405.4	16.9	295.8	187.9	728.4	24.0	30.4	43%	412.9	17.2	301.3	190.0	
4	695.0	23.3	29.8	43%	394.3	16.9	295.9	187.1	710.9	23.6	30.2	43%	403.3	17.1	299.7	190.5	
5	690.0	24.0	28.8	43%	391.6	16.3	285.6	178.9	700.9	24.0	29.2	43%	397.8	16.6	290.1	199.3	
6	623.5	24.0	26.0	42%	363.8	15.2	265.3	190.7	380.2	24.0	15.9	42%	221.9	9.3	162.1	175.9	
7	680.0	24.0	28.3	43%	390.1	16.3	284.4	186.8	693.9	24.0	28.9	43%	398.0	16.6	290.4	192.7	
8	690.0	24.0	28.8	43%	395.9	16.5	288.7	194.2	710.7	24.0	29.7	43%	407.7	17.0	297.7	189.3	
9	670.0	24.0	28.0	42%	387.8	16.2	283.3	190.9	660.0	24.0	27.5	42%	382.0	15.9	278.9	194.5	
10	660.0	24.0	27.5	42%	381.3	15.9	278.0	191.3	645.0	24.0	26.9	42%	372.6	15.5	271.9	190.1	
11	690.0	24.0	28.8	43%	393.3	16.4	286.8	186.6	700.0	24.0	29.2	43%	399.0	16.6	291.3	192.9	
12	700.0	24.0	29.2	43%	401.1	16.7	292.5	192.2	680.0	24.0	28.3	43%	389.7	16.2	284.1	190.9	
13	690.0	24.0	28.8	44%	384.3	16.0	280.2	183.2	680.0	24.0	28.3	44%	378.7	15.8	276.1	186.6	
14	700.0	24.0	29.2	45%	385.7	16.1	281.2	189.1	710.0	24.0	29.6	45%	391.2	16.3	285.6	193.9	
15	705.0	24.0	29.4	44%	391.4	16.3	285.8	185.5	700.0	24.0	29.2	44%	388.7	16.2	283.8	197.3	
16	715.0	24.0	29.8	44%	402.8	16.8	293.7	190.5	700.0	24.0	29.2	44%	394.3	16.4	287.5	192.3	
17	715.0	24.0	29.9	46%	387.6	16.2	283.2	181.3	710.0	24.0	29.6	46%	384.9	16.1	281.0	187.7	
18	680.0	24.0	28.4	43%	386.4	16.1	282.0	189.0	670.0	23.9	28.0	43%	380.8	15.9	278.4	187.3	
19	680.0	24.0	28.4	42%	396.1	16.5	289.2	179.5	700.0	24.0	29.2	42%	407.7	17.0	297.3	188.8	
20	680.0	24.0	28.3	42%	394.2	16.4	287.4	194.9	660.0	24.0	27.5	42%	382.6	16.0	279.4	187.2	
21	670.0	24.0	28.0	41%	393.1	16.4	287.2	184.6	660.0	24.0	27.5	41%	387.3	16.1	282.4	183.9	
22	680.0	24.0	28.3	42%	397.3	16.6	289.7	192.1	666.0	24.0	27.8	42%	389.1	16.2	283.7	190.5	
23	650.0	24.0	27.1	41%	383.3	16.0	279.5	188.6	670.0	24.0	27.9	41%	395.1	16.5	288.1	190.6	
24	680.0	24.0	28.3	42%	397.2	16.5	289.6	190.0	660.0	24.0	27.5	42%	385.5	16.1	281.1	186.7	
25	690.0	24.0	28.8	45%	381.0	15.9	278.2	186.0	682.5	24.0	28.5	45%	376.8	15.7	275.2	191.0	
26	682.6	24.0	28.4	46%	369.2	15.4	269.2	187.8	734.0	24.0	30.6	46%	397.0	16.5	289.4	192.5	
27	700.0	24.0	29.2	46%	376.2	15.7	274.3	189.3	746.8	24.0	31.1	46%	401.4	16.7	292.7	188.8	
28	711.0	24.0	29.6	42%	410.2	17.1	299.1	188.5	700.0	24.0	29.2	42%	403.9	16.9	295.1	184.9	
29	710.0	24.0	29.6	42%	413.4	17.2	301.8	181.6	715.0	23.8	30.0	42%	416.3	17.5	305.7	137.6	
30	680.0	24.0	28.3	42%	392.8	16.4	286.4	187.3	660.0	24.0	27.5	42%	381.2	15.9	278.0	185.6	
31	700.0	24.0	29.2	43%	401.5	16.8	293.4	189.0	690.0	23.7	29.1	43%	395.8	16.7	292.1	153.4	
Total	21,212	743			12,095				20,830	743			11,868				
Average							285								280		
12 Month Rolling Avg Wood/(Gas+Wood) "Db" Cap. Factor =								72%	12 Month Rolling Avg Wood/(Gas+Wood) "Db" Cap. Factor =								75%

Burney Forest Products

Natural Gas Fuel:

Dec 2020

Day	#1 Boiler						#2 Boiler						Plant Total Gas Usage MCF Day
	Hours on Gas Fuel Only	Hours on Gas Fuel Co-Fire	Gas Usage MCF Day	Average	HHV	HHV	Hours on Gas Fuel Only	Hours on Gas Fuel Co-Fire	Gas Usage MCF Day	Average	HHV	HHV	
				Usage	Gas	Heat				Usage	Gas	Heat	
				Rate	Input Rate	Day				Rate	Input Rate	Day	
MCF/hr	mmbtu/hr	mmbtu	MCF/hr	mmbtu/hr	mmbtu								
1	0.00	24.00	468	19.5	19.8	474.6	0.00	2.90	206	71.0	72.0	208.8	673
2	0.00	24.00	0	0.0	0.0	0.0	0.00	24.00	1283	53.5	54.3	1302.7	1283
3	0.00	23.98	327	13.7	13.9	332.3	0.00	7.88	142	18.0	18.3	144.0	469
4	0.00	9.20	121	13.1	13.3	122.7	0.00	14.52	322	22.2	22.5	326.9	443
5	0.00	0.00	0	0.0	0.0	0.0	0.00	24.00	430	17.9	18.2	436.6	430
6	0.00	0.00	0	0.0	0.0	0.0	0.00	17.77	411	23.1	23.5	417.1	411
7	0.00	0.00	0	0.0	0.0	0.0	0.00	13.58	298	21.9	22.3	302.3	298
8	0.00	0.00	0	0.0	0.0	0.0	0.00	7.98	219	27.4	27.8	222.3	219
9	0.00	10.90	308	28.3	28.7	312.9	0.00	21.08	383	18.1	18.4	388.3	691
10	0.00	24.00	381	15.9	16.1	386.4	0.00	22.65	476	21.0	21.4	483.6	857
11	0.00	10.72	292	27.3	27.7	296.6	0.00	13.98	305	21.8	22.1	309.3	597
12	0.00	0.00	0	0.0	0.0	0.0	0.00	24.00	599	25.0	25.3	607.9	599
13	0.00	0.00	0	0.0	0.0	0.0	0.00	24.00	600	25.0	25.4	608.9	600
14	0.00	0.00	0	0.0	0.0	0.0	0.00	14.18	367	25.9	26.3	372.6	367
15	0.00	1.37	70	51.3	52.0	71.1	0.00	18.85	416	22.0	22.4	421.7	486
16	0.00	0.00	0	0.0	0.0	0.0	0.00	24.00	571	23.8	24.1	579.4	571
17	0.00	0.00	0	0.0	0.0	0.0	0.00	23.97	533	22.2	22.6	541.1	533
18	0.00	11.72	158	13.4	13.6	159.9	0.02	12.58	361	28.6	29.0	365.9	518
19	0.00	23.97	516	21.5	21.8	523.5	0.00	0.00	0	0.0	0.0	0.0	516
20	0.00	24.00	320	13.4	13.6	325.2	0.00	6.08	186	30.5	31.0	188.6	506
21	0.02	23.95	506	21.1	21.4	513.2	0.00	9.32	200	21.5	21.8	202.9	705
22	0.00	24.00	385	16.0	16.3	390.4	0.00	24.00	542	22.6	22.9	550.2	927
23	0.00	24.00	456	19.0	19.3	462.5	0.00	24.00	528	22.0	22.3	535.8	984
24	0.00	24.00	365	15.2	15.4	370.6	0.00	24.00	541	22.5	22.9	548.8	906
25	0.00	16.87	387	22.9	23.3	392.6	0.00	22.82	499	21.9	22.2	506.2	886
26	0.00	24.00	354	14.7	15.0	359.0	0.00	14.20	408	28.7	29.1	413.9	761
27	0.00	24.00	442	18.4	18.7	448.3	0.00	0.00	0	0.0	0.0	0.0	442
28	0.00	24.00	364	15.2	15.4	369.8	0.00	14.25	391	27.5	27.9	397.3	756
29	0.00	23.33	386	16.5	16.8	391.9	0.00	18.88	873	46.2	46.9	885.9	1259
30	0.00	24.00	523	21.8	22.1	530.4	0.00	24.00	521	21.7	22.1	529.3	1044
31	0.00	19.23	289	15.0	15.2	292.8	0.02	23.72	830	35.0	35.5	842.8	1119
Total	0.02	439	7,416			7,527	0.03	517	13,440			13,641	20,855
Average						17.1						26.4	
Current Month, Gas/(Gas+Wood) "Db" Capacity Factor =						3%	Current Month, Gas/(Gas+Wood) "Db" Capacity Factor =						6%
12 Month Rolling Avg Gas/(Gas+Wood) "Db" Cap. Factor =						4%	12 Month Rolling Avg Gas/(Gas+Wood) "Db" Cap. Factor =						4%
Flame Stabilization MCF						7,415	Flame Stabilization MCF						13,439
Other Gas Uses						0	Other Gas Uses						1
												Flame Stabilization Total =	20,854
												Other Gas Uses Total =	1



February 17, 2021

Ms. Lindsey Welch
Senior Air Pollution Inspector
Shasta County Air Quality Management District
1855 Placer Street, Suite 101
Redding, CA 96001

Re: **Monthly Emission Report – January 2021**
Burney Forest Products

Dear Ms. Welch,

Pursuant to Title V Operating Permit 87-TV-27n, Condition 20, enclosed please find the January 2021 *Monthly Emissions Report* for Burney Forest Products (BFP).

If you have any questions or require additional information, please contact Josh Hirschi, EH&S Manager, at 530-335-5023 ext. 105.

Sincerely,

A handwritten signature in black ink, appearing to read 'Bill Dillard', with a long horizontal line extending to the right.

Bill Dillard
Plant Manager

Cc: John Christian (email)

File: 201-40-03

BURNEY FOREST PRODUCTS
Monthly Emissions Report
January 2021

EXCESS EMISSION SUMMARY			
Parameter	Limit	Averaging Period	Excursions
CO – Gas	400 ppm@3% O2	24-hr Block Avg (Calendar Day)	None
CO - Wood	1,200 ppm@12% CO2	24-hr Block Avg (Calendar Day)	None
NOx – Gas	70 ppm@3% O2	3-hr Block Avg	None
NOx – Gas	0.084 lb/mmBtu	3-hr Block Avg	None
NOx – Wood	0.12 lb/mmBtu	3-hr Block Avg	None
NOx – Mixed Fuel – Boiler 1	0.145 lb/mmBtu	3-hr Block Avg	None
NOx – Mixed Fuel – Boiler 2	0.146 lb/mmBtu	3-hr Block Avg	None
NOx – All Fuels	57.4 lb/hr (both boilers combined)	1-hr Total	None
NOx – All Fuels	250 ppm@12% CO2	1-hr Avg	None
Opacity	20%	6-min Avg	None
Opacity	40%	3-min aggr./hr	None

CEMS/COMS DOWNTIME PERIODS	
NOx	
Boiler 1	On 1/7/2021: One (1) hour downtime for CEMS Maintenance.
Boiler 2	None
CO	
Boiler 1	On 1/7/2021: One (1) hour downtime for CEMS Maintenance.
Boiler 2	None
CO2	
Boiler 1	On 1/7/2021: One (1) hour downtime for CEMS Maintenance.
Boiler 2	None
O2	
Boiler 1	On 1/7/2021: One (1) hour downtime for CEMS Maintenance.
Boiler 2	None
OPACITY	
Boiler 1	None
Boiler 2	None

OPERATING DATA	
Ammonia Usage (Pounds)	
Boiler 1	60,280
Boiler 2	61,457
Total Both Boilers	111,849
Boiler Operating Time (Hours)	
Boiler 1	744
Boiler 2	735

BOILER OFF LINE TIMES				
Boiler 1				
Boiler Off line		Boiler On line		Cause
Date	Time off	Date	Time on	
				No Downtime during January 2021
Boiler 2				
Boiler Off line		Boiler On line		Cause
Date	Time off	Date	Time on	
1/15/21	10:17	1/15/21	20:00	Offline for Unscheduled Maintenance

Note: Boiler Off Line Times are in DAHS time

CAM Plan Excursions	
Date	Description
	None

Burney Forest Products
Wood Fuel: Jan 2021

Day	#1 Boiler									#2 Boiler							
	Belt Scale Reading	Hours on Wood	Average Green	Daily Moisture	Bone Dry Tons	Average Bone Dry	Average Wood Heat	Average Daily Steam	Belt Scale Reading	Hours on Wood	Average Green	Daily Moisture	Bone Dry Tons	Average Bone Dry	Average Wood Heat	Average Daily Steam	
	Total Green Tons	Fuel	Tons/hr	%	Day	Tons Per Hour	Input mmbtu/hr	Flow KPPH	Total Green Tons	Fuel	Tons/hr	%	Day	Tons Per Hour	Input mmbtu/hr	Flow KPPH	
1	669.2	24.0	27.9	46%	360.4	15.0	262.8	185.3	661.4	24.0	27.6	46%	356.1	14.8	259.7	179.4	
2	638.4	24.0	26.6	43%	361.1	15.1	263.7	177.4	361.4	23.8	15.2	43%	204.4	8.6	150.3	114.7	
3	648.0	24.0	27.0	45%	355.2	14.8	259.0	189.9	702.5	24.0	29.3	45%	385.1	16.0	280.8	191.2	
4	656.6	24.0	27.4	47%	346.4	14.5	252.9	183.4	660.0	23.9	27.6	47%	348.2	14.5	254.6	186.6	
5	636.5	24.0	26.5	45%	348.6	14.5	254.2	183.4	650.0	24.0	27.1	45%	356.0	14.8	259.6	191.3	
6	626.9	24.0	26.1	44%	351.4	14.6	256.2	189.7	640.0	24.0	26.7	44%	358.8	15.0	262.0	189.8	
7	611.2	24.0	25.5	43%	349.9	14.6	255.2	191.4	640.0	24.0	26.7	43%	366.4	15.3	267.2	188.9	
8	675.9	24.0	28.2	44%	375.4	15.6	273.7	188.4	495.1	24.0	20.6	44%	275.0	11.5	200.5	147.4	
9	643.1	24.0	26.8	44%	357.9	14.9	261.0	189.1	660.0	24.0	27.5	44%	367.4	15.3	267.9	191.8	
10	674.6	24.0	28.1	45%	370.9	15.5	270.5	193.1	680.0	24.0	28.3	45%	373.9	15.6	272.6	191.2	
11	676.8	24.0	28.2	46%	366.1	15.3	266.9	189.0	690.0	24.0	28.8	46%	373.3	15.6	272.2	188.0	
12	683.1	24.0	28.5	44%	383.1	16.0	279.3	193.3	664.5	24.0	27.7	44%	372.6	15.5	271.7	186.4	
13	654.9	24.0	27.3	45%	359.2	15.0	261.9	190.5	680.0	24.0	28.3	45%	373.0	15.5	272.0	190.5	
14	640.0	24.0	26.7	45%	355.0	14.8	258.9	192.4	620.0	24.0	25.8	45%	344.0	14.3	250.8	172.8	
15	631.1	24.0	26.3	43%	359.3	15.0	262.2	186.1	280.1	15.4	18.1	43%	159.5	10.3	180.8	140.9	
16	677.4	24.0	28.2	43%	388.5	16.2	283.3	199.2	214.9	23.7	9.1	43%	123.2	5.2	91.0	98.6	
17	649.7	24.0	27.1	43%	369.9	15.4	269.7	188.7	286.4	23.7	12.1	43%	163.1	6.9	120.4	108.8	
18	622.3	24.0	25.9	43%	352.4	14.7	257.0	188.5	595.8	24.0	24.8	43%	337.4	14.1	246.0	174.9	
19	649.4	24.0	27.1	42%	374.7	15.6	273.2	200.9	620.0	24.0	25.8	42%	357.8	14.9	260.9	164.3	
20	595.8	24.0	24.8	42%	345.0	14.4	251.6	193.0	560.2	24.0	23.3	42%	324.4	13.5	236.5	171.9	
21	610.6	24.0	25.4	41%	357.9	14.9	260.9	198.7	580.0	24.0	24.2	41%	340.0	14.2	247.9	167.5	
22	514.0	24.0	21.4	42%	296.8	12.4	216.4	184.9	527.3	24.0	22.0	42%	304.5	12.7	222.0	171.4	
23	609.9	24.0	25.4	43%	349.0	14.5	254.5	194.5	570.0	24.0	23.8	43%	326.2	13.6	237.9	172.7	
24	611.1	24.0	25.5	43%	349.5	14.6	254.9	197.1	580.0	24.0	24.2	43%	331.7	13.8	241.9	176.1	
25	652.6	24.0	27.2	43%	371.0	15.5	270.5	201.6	640.0	24.0	26.7	43%	363.8	15.2	265.3	175.5	
26	509.3	24.0	21.2	42%	297.2	12.4	216.7	180.5	520.1	24.0	21.7	42%	303.4	12.6	221.2	179.6	
27	543.4	24.0	22.6	43%	308.4	12.9	224.9	182.4	543.2	24.0	22.6	43%	308.3	12.8	224.8	178.7	
28	563.8	24.0	23.5	45%	308.2	12.8	224.7	183.1	587.0	24.0	24.5	45%	320.9	13.4	234.0	177.6	
29	545.1	24.0	22.7	43%	311.4	13.0	227.1	182.6	613.1	24.0	25.5	43%	350.3	14.6	255.4	175.1	
30	567.1	24.0	23.6	47%	302.1	12.6	220.3	175.4	608.7	24.0	25.4	47%	324.3	13.5	236.5	163.7	
31	567.2	24.0	23.6	45%	314.2	13.1	229.1	179.5	600.4	24.0	25.0	45%	332.7	13.9	242.6	169.6	
Total	19,255	744			10,796				17,732	735			9,926				
Average							254								236		
12 Month Rolling Avg Wood/(Gas+Wood) "Db" Cap. Factor =							75%		12 Month Rolling Avg Wood/(Gas+Wood) "Db" Cap. Factor =						76%		

**Burney Forest Products
Natural Gas Fuel:**

Jan 2021

Day	#1 Boiler						#2 Boiler						Plant Total Gas Usage MCF Day
	Hours on Gas Fuel Only	Hours on Gas Fuel Co-Fire	Gas Usage MCF Day	Average	HHV	HHV	Hours on Gas Fuel Only	Hours on Gas Fuel Co-Fire	Gas Usage MCF Day	Average	HHV	HHV	
				Usage	Gas	Heat				Usage	Gas	Heat	
				Rate	Input Rate	Day				Rate	Input Rate	Day	
MCF/hr	mmbtu/hr	mmbtu	MCF/hr	mmbtu/hr	mmbtu								
1	0.00	24.00	446	18.6	18.8	452.2	0.00	24.00	764	31.8	32.3	775.5	1210
2	0.00	12.27	144	11.7	11.9	145.7	0.05	23.80	842	35.3	35.8	854.7	986
3	0.00	24.00	398	16.6	16.8	403.5	0.00	24.00	421	17.5	17.8	427.0	818
4	0.00	22.30	394	17.7	17.9	399.5	0.00	23.67	519	21.9	22.3	526.8	913
5	0.00	24.00	408	17.0	17.2	413.8	0.00	24.00	537	22.4	22.7	545.0	945
6	0.00	24.00	406	16.9	17.2	412.6	0.00	23.02	475	20.6	21.0	482.2	882
7	0.00	24.00	454	18.9	19.2	460.4	0.00	24.00	435	18.1	18.4	441.6	889
8	0.00	24.00	318	13.2	13.4	322.7	0.00	24.00	805	33.6	34.1	817.4	1123
9	0.00	24.00	513	21.4	21.7	520.3	0.00	24.00	524	21.8	22.2	532.2	1037
10	0.00	24.00	382	15.9	16.1	387.4	0.00	24.00	602	25.1	25.5	610.8	983
11	0.00	24.00	482	20.1	20.4	489.3	0.00	24.00	473	19.7	20.0	480.3	955
12	0.00	24.00	315	13.1	13.3	319.5	0.00	24.00	495	20.6	20.9	502.6	810
13	0.00	24.00	454	18.9	19.2	461.0	0.00	24.00	475	19.8	20.1	482.4	930
14	0.00	24.00	321	13.4	13.6	325.4	0.00	24.00	692	28.8	29.3	702.7	1013
15	0.00	23.90	552	23.1	23.4	560.2	0.02	11.60	551	47.4	48.1	559.3	1103
16	0.00	24.00	407	17.0	17.2	413.2	0.00	23.70	1402	59.2	60.1	1423.3	1809
17	0.00	24.00	431	17.9	18.2	437.2	0.00	23.68	1085	45.8	46.5	1101.0	1515
18	0.00	24.00	507	21.1	21.4	514.7	0.00	24.00	603	25.1	25.5	611.5	1110
19	0.00	24.00	480	20.0	20.3	487.3	0.00	24.00	684	28.5	28.9	694.7	1164
20	0.00	24.00	638	26.6	27.0	647.1	0.00	24.00	653	27.2	27.6	662.7	1291
21	0.00	24.00	554	23.1	23.4	562.5	0.00	24.00	676	28.2	28.6	686.3	1230
22	0.00	24.00	912	38.0	38.6	926.0	0.00	24.00	851	35.5	36.0	864.2	1764
23	0.00	24.00	598	24.9	25.3	606.6	0.00	24.00	810	33.8	34.3	822.2	1408
24	0.00	24.00	543	22.6	22.9	550.8	0.00	24.00	899	37.5	38.0	913.0	1442
25	0.00	24.00	450	18.7	19.0	456.7	0.00	24.00	937	39.1	39.6	951.4	1387
26	0.00	24.00	582	24.2	24.6	590.7	0.00	24.00	1132	47.2	47.9	1148.9	1714
27	0.00	24.00	524	21.8	22.1	531.4	0.00	24.00	1174	48.9	49.7	1191.7	1698
28	0.00	24.00	742	30.9	31.4	753.1	0.00	24.00	961	40.0	40.6	975.4	1703
29	0.00	24.00	733	30.5	31.0	743.6	0.00	24.00	777	32.4	32.9	789.0	1510
30	0.00	24.00	611	25.5	25.8	620.3	0.00	24.00	593	24.7	25.1	602.3	1204
31	0.00	24.00	510	21.3	21.6	517.8	0.00	24.00	579	24.1	24.5	587.8	1089
Total	0.00	730	15,204			15,432	0.07	729	22,429			22,766	37,634
Average					21.1					31.2			
Current Month, Gas/(Gas+Wood) "Db" Capacity Factor =						7%	Current Month, Gas/(Gas+Wood) "Db" Capacity Factor =						10%
12 Month Rolling Avg Gas/(Gas+Wood) "Db" Cap. Factor =						4%	12 Month Rolling Avg Gas/(Gas+Wood) "Db" Cap. Factor =						4%
Flame Stabilization MCF						15,204	Flame Stabilization MCF						22,427
Other Gas Uses						0	Other Gas Uses						2
							Flame Stabilization Total =						37,632
							Other Gas Uses Total =						2



March 30, 2021

Ms. Lindsey Welch
Senior Air Pollution Inspector
Shasta County Air Quality Management District
1855 Placer Street, Suite 101
Redding, CA 96001

Re: **Monthly Emission Report – February 2021**
Burney Forest Products

Dear Ms. Welch,

Pursuant to Title V Operating Permit 87-TV-27n, Condition 20, enclosed please find the February 2021 *Monthly Emissions Report* for Burney Forest Products (BFP).

If you have any questions or require additional information, please contact Josh Hirschi, EH&S Manager, at 530-335-5023 ext. 105.

Sincerely,

A handwritten signature in black ink, appearing to read 'Bill Dillard', is written over a light blue horizontal line.

Bill Dillard
Plant Manager

Cc: John Christian (email)

File: 201-40-03

BURNEY FOREST PRODUCTS
Monthly Emissions Report
February 2021

EXCESS EMISSION SUMMARY			
Parameter	Limit	Averaging Period	Excursions
CO – Gas	400 ppm@3% O2	24-hr Block Avg (Calendar Day)	None
CO - Wood	1,200 ppm@12% CO2	24-hr Block Avg (Calendar Day)	None
NOx – Gas	70 ppm@3% O2	3-hr Block Avg	None
NOx – Gas	0.084 lb/mmBtu	3-hr Block Avg	None
NOx – Wood	0.12 lb/mmBtu	3-hr Block Avg	None
NOx – Mixed Fuel – Boiler 1	0.145 lb/mmBtu	3-hr Block Avg	None
NOx – Mixed Fuel – Boiler 2	0.146 lb/mmBtu	3-hr Block Avg	None
NOx – All Fuels	57.4 lb/hr (both boilers combined)	1-hr Total	None
NOx – All Fuels	250 ppm@12% CO2	1-hr Avg	None
Opacity	20%	6-min Avg	None
Opacity	40%	3-min aggr./hr	None

CEMS/COMS DOWNTIME PERIODS	
NOx	
Boiler 1	On 2/25/2021: One (1) hour downtime for CEMS Maintenance.
Boiler 2	On 2/25/2021: One (1) hour downtime for CEMS Maintenance.
CO	
Boiler 1	On 2/25/2021: One (1) hour downtime for CEMS Maintenance.
Boiler 2	On 2/25/2021: One (1) hour downtime for CEMS Maintenance.
CO2	
Boiler 1	On 2/25/2021: One (1) hour downtime for CEMS Maintenance.
Boiler 2	On 2/20/2021: Forty (40) hours downtime for Analyzer Malfunction & Maintenance.
Boiler 2	On 2/25/2021: One (1) hour downtime for CEMS Maintenance.
O2	
Boiler 1	On 2/25/2021: One (1) hour downtime for CEMS Maintenance.
Boiler 2	On 2/25/2021: One (1) hour downtime for CEMS Maintenance.
OPACITY	
Boiler 1	None
Boiler 2	None

OPERATING DATA	
Ammonia Usage (Pounds)	
Boiler 1	68,063
Boiler 2	75,049
Total Both Boilers	143,112
Boiler Operating Time (Hours)	
Boiler 1	672
Boiler 2	672

BOILER OFF LINE TIMES				
Boiler 1				
Boiler Off line		Boiler On line		Cause
Date	Time off	Date	Time on	
2/19/21	12:26	2/19/21	13:37	Boiler tripped offline multiple times during grate cleaning when gas burner tripped
Boiler 2				
Boiler Off line		Boiler On line		Cause
Date	Time off	Date	Time on	
2/2/21	08:45	2/2/21	08:48	Boiler tripped offline during unscheduled maintenance
2/18/21	12:15	2/18/21	13:46	Boiler tripped offline multiple times during grate cleaning when gas burner tripped

Note: Boiler Off Line Times are in DAHS time

CAM Plan Excursions	
Date	Description
	None

Burney Forest Products
Wood Fuel: Feb 2021

Day	#1 Boiler									#2 Boiler							
	Belt Scale Reading	Hours on Wood	Average Green	Daily Moisture	Bone Dry Tons	Average Bone Dry	Average Wood Heat	Average Daily Steam	Belt Scale Reading	Hours on Wood	Average Green	Daily Moisture	Bone Dry Tons	Average Bone Dry	Average Wood Heat	Average Daily Steam	
	Total Green Tons	Fuel	Tons/hr	%	Day	Tons Per Hour	Input mmbtu/hr	Flow KPPH	Total Green Tons	Fuel	Tons/hr	%	Day	Tons Per Hour	Input mmbtu/hr	Flow KPPH	
1	589.4	24.0	24.6	45%	322.1	13.4	234.8	182.9	614.6	24.0	25.6	45%	335.8	14.0	244.9	169.2	
2	555.5	24.0	23.1	49%	284.9	11.9	207.7	161.2	594.6	23.9	24.8	49%	304.9	12.7	222.9	143.2	
3	641.4	24.0	26.7	48%	335.6	14.0	244.7	188.2	660.0	24.0	27.5	48%	345.3	14.4	252.0	183.7	
4	672.3	24.0	28.0	44%	373.8	15.6	272.6	189.5	684.0	24.0	28.5	44%	380.3	15.8	277.3	180.3	
5	606.8	24.0	25.3	45%	335.5	14.0	244.6	178.7	620.0	24.0	25.8	45%	342.8	14.3	249.9	180.9	
6	602.1	24.0	25.1	46%	326.7	13.6	238.2	172.1	630.0	24.0	26.3	46%	341.8	14.2	249.2	169.6	
7	605.8	24.0	25.2	45%	333.8	13.9	243.4	176.7	620.0	24.0	25.8	45%	341.6	14.2	249.1	175.9	
8	668.5	24.0	27.9	45%	367.0	15.3	267.6	189.1	686.1	24.0	28.6	45%	376.7	15.7	274.7	182.3	
9	611.8	24.0	25.5	44%	339.8	14.2	247.8	186.2	653.1	24.0	27.2	44%	362.8	15.1	264.5	179.7	
10	638.6	24.0	26.6	44%	358.7	14.9	261.6	190.5	646.9	24.0	27.0	44%	363.4	15.1	265.0	179.7	
11	589.3	24.0	24.6	45%	326.7	13.6	238.3	179.8	674.8	24.0	28.1	45%	374.1	15.6	272.8	183.9	
12	616.0	24.0	25.7	46%	331.5	13.8	241.7	185.0	652.5	23.9	27.3	46%	351.1	14.7	256.7	180.4	
13	616.4	24.0	25.7	49%	313.6	13.1	228.7	181.1	660.0	24.0	27.5	49%	335.8	14.0	244.9	181.6	
14	594.1	24.0	24.8	48%	306.7	12.8	223.6	178.1	659.7	24.0	27.5	48%	340.5	14.2	248.3	179.2	
15	574.8	24.0	24.0	48%	301.8	12.6	220.0	176.9	665.9	24.0	27.7	48%	349.6	14.6	254.9	178.8	
16	542.4	24.0	22.6	46%	294.7	12.3	215.4	177.7	573.7	23.9	24.0	46%	311.7	13.0	227.9	169.4	
17	509.0	23.9	21.3	44%	283.9	11.9	207.7	149.3	627.9	24.0	26.2	44%	350.2	14.6	255.7	173.3	
18	550.2	24.0	22.9	47%	294.0	12.3	214.4	171.8	581.0	23.6	24.7	47%	310.4	13.2	230.5	155.4	
19	600.0	23.7	25.4	46%	321.1	13.6	237.6	165.3	650.3	23.9	27.2	46%	348.0	14.6	254.8	177.1	
20	620.0	24.0	25.8	49%	314.3	13.1	229.2	173.0	658.8	24.0	27.4	49%	334.0	13.9	243.5	171.0	
21	640.0	24.0	26.7	49%	326.2	13.6	237.8	174.3	686.0	24.0	28.6	49%	349.6	14.6	254.9	174.6	
22	630.0	24.0	26.3	47%	330.9	13.8	241.3	182.1	656.0	24.0	27.3	47%	344.6	14.4	251.3	175.0	
23	610.0	24.0	25.4	45%	338.1	14.1	246.5	181.1	624.6	24.0	26.0	45%	346.2	14.4	252.4	176.2	
24	615.0	23.9	25.7	45%	340.9	14.2	249.2	185.3	638.9	23.9	26.7	45%	354.1	14.8	258.9	178.7	
25	625.0	24.0	26.0	44%	349.0	14.5	254.5	179.0	650.3	24.0	27.1	44%	363.1	15.1	264.8	181.0	
26	630.0	24.0	26.3	47%	335.2	14.0	244.4	174.5	647.7	24.0	27.0	47%	344.7	14.4	251.3	172.7	
27	620.0	24.0	25.8	46%	334.7	13.9	244.1	165.3	660.8	24.0	27.5	46%	356.8	14.9	260.2	177.6	
28	605.0	24.0	25.2	46%	324.3	13.5	236.5	166.6	617.4	24.0	25.7	46%	330.9	13.8	241.3	166.5	
Total	16,980	671			9,146				17,995	671			9,691				
Average							238								253		
12 Month Rolling Avg Wood/(Gas+Wood) "Db" Cap. Factor = 76%								12 Month Rolling Avg Wood/(Gas+Wood) "Db" Cap. Factor = 77%									

Burney Forest Products
Natural Gas Fuel:

Feb 2021

Day	#1 Boiler						#2 Boiler						Plant Total Gas Usage MCF Day
	Hours on Gas Fuel Only	Hours on Gas Fuel Co-Fire	Gas Usage MCF Day	Average	HHV	HHV	Hours on Gas Fuel Only	Hours on Gas Fuel Co-Fire	Gas Usage MCF Day	Average	HHV	HHV	
				Usage	Gas	Heat				Usage	Gas	Heat	
				Rate	Input Rate	Input Rate				Rate	Input Rate	Input Rate	
MCF/hr	mmbtu/hr	mmbtu	MCF/hr	mmbtu/hr	mmbtu	MCF/hr	mmbtu/hr	mmbtu	MCF/hr	mmbtu/hr	mmbtu		
1	0.00	24.00	636	26.5	26.9	645.6	0.00	24.00	580	24.1	24.5	588.3	1216
2	0.00	24.00	762	31.7	32.2	772.9	0.00	14.30	538	37.6	38.2	546.3	1300
3	0.00	24.00	553	23.0	23.4	561.3	0.00	14.72	287	19.5	19.8	291.8	841
4	0.00	24.00	262	10.9	11.1	266.2	0.00	24.00	542	22.6	22.9	550.6	805
5	0.00	24.00	444	18.5	18.8	450.4	0.00	24.00	526	21.9	22.2	533.9	970
6	0.00	24.00	466	19.4	19.7	472.9	0.00	24.00	552	23.0	23.3	559.8	1017
7	0.00	24.00	457	19.0	19.3	463.4	0.00	24.00	530	22.1	22.4	538.4	987
8	0.00	24.00	319	13.3	13.5	323.8	0.00	24.00	534	22.2	22.6	541.6	853
9	0.00	24.00	408	17.0	17.3	414.2	0.00	24.00	418	17.4	17.7	424.7	826
10	0.00	24.00	298	12.4	12.6	302.0	0.00	24.00	491	20.5	20.8	498.5	789
11	0.00	24.00	446	18.6	18.9	452.7	0.00	24.00	421	17.5	17.8	427.3	867
12	0.00	24.00	439	18.3	18.6	445.5	0.00	23.82	593	24.9	25.3	601.6	1032
13	0.00	24.00	733	30.6	31.0	744.2	0.00	24.00	484	20.2	20.5	491.0	1217
14	0.00	24.00	581	24.2	24.6	589.8	0.00	24.00	587	24.5	24.8	596.1	1168
15	0.00	24.00	647	26.9	27.3	656.4	0.00	24.00	529	22.0	22.4	536.6	1175
16	0.00	23.75	565	23.8	24.1	573.5	0.00	23.87	654	27.4	27.8	664.0	1219
17	0.00	23.92	802	33.5	34.0	813.8	0.00	14.65	333	22.7	23.0	337.6	1134
18	0.00	24.00	618	25.7	26.1	627.3	0.00	21.57	539	25.0	25.4	547.6	1157
19	0.00	23.65	743	31.4	31.9	754.0	0.00	22.95	534	23.3	23.6	542.0	1277
20	0.00	24.00	635	26.5	26.8	644.4	0.00	24.00	616	25.6	26.0	624.7	1250
21	0.00	24.00	796	33.2	33.7	807.8	0.00	24.00	592	24.7	25.1	601.3	1388
22	0.00	24.00	642	26.8	27.2	651.8	0.00	24.00	638	26.6	27.0	648.0	1281
23	0.00	24.00	755	31.5	31.9	766.1	0.00	24.00	613	25.5	25.9	621.8	1367
24	0.00	23.87	686	28.8	29.2	696.5	0.00	23.87	730	30.6	31.1	741.1	1416
25	0.00	24.00	801	33.4	33.9	812.5	0.00	24.00	636	26.5	26.9	645.2	1436
26	0.00	24.00	712	29.6	30.1	722.2	0.00	24.00	652	27.2	27.6	662.0	1364
27	0.00	24.00	586	24.4	24.8	595.0	0.00	24.00	585	24.4	24.7	593.5	1171
28	0.00	24.00	526	21.9	22.3	534.2	0.00	24.00	554	23.1	23.4	562.1	1080
Total	0.00	671	16,316			16,560	0.00	640	15,288			15,517	31,603
Average					24.7					24.3			
Current Month, Gas/(Gas+Wood) "Db" Capacity Factor =					8%		Current Month, Gas/(Gas+Wood) "Db" Capacity Factor =					7%	
12 Month Rolling Avg Gas/(Gas+Wood) "Db" Cap. Factor =					4%		12 Month Rolling Avg Gas/(Gas+Wood) "Db" Cap. Factor =					4%	
Flame Stabilization MCF						16,316	Flame Stabilization MCF						15,288
Other Gas Uses						0	Other Gas Uses						0
							Flame Stabilization Total =						31,603
							Other Gas Uses Total =						0



April 28, 2021

Ms. Lindsey Welch
Senior Air Pollution Inspector
Shasta County Air Quality Management District
1855 Placer Street, Suite 101
Redding, CA 96001

Re: **Monthly Emission Report – March 2021**
Burney Forest Products

Dear Ms. Welch,

Pursuant to Title V Operating Permit 87-TV-27n, Condition 20, enclosed please find the March 2021 *Monthly Emissions Report* for Burney Forest Products (BFP).

If you have any questions or require additional information, please contact Josh Hirschi, EH&S Manager, at 530-335-5023 ext. 105.

Sincerely,

A handwritten signature in black ink, appearing to read 'Bill Dillard', with a long, sweeping horizontal line extending to the right.

Bill Dillard
Plant Manager

Cc: John Christian (email)

File: 201-40-03

BURNEY FOREST PRODUCTS
Monthly Emissions Report
March 2021

EXCESS EMISSION SUMMARY			
Parameter	Limit	Averaging Period	Excursions
CO – Gas	400 ppm@3% O2	24-hr Block Avg (Calendar Day)	None
CO - Wood	1,200 ppm@12% CO2	24-hr Block Avg (Calendar Day)	None
NOx – Gas	70 ppm@3% O2	3-hr Block Avg	None
NOx – Gas	0.084 lb/mmBtu	3-hr Block Avg	None
NOx – Wood	0.12 lb/mmBtu	3-hr Block Avg	None
NOx – Mixed Fuel – Boiler 1	0.145 lb/mmBtu	3-hr Block Avg	None
NOx – Mixed Fuel – Boiler 2	0.146 lb/mmBtu	3-hr Block Avg	None
NOx – All Fuels	57.4 lb/hr (both boilers combined)	1-hr Total	None
NOx – All Fuels	250 ppm@12% CO2	1-hr Avg	None
Opacity	20%	6-min Avg	None
Opacity	40%	3-min aggr./hr	None

CEMS/COMS DOWNTIME PERIODS	
NOx	
Boiler 1	On 3/09/2021: One (1) hour downtime for CEMS CGA.
Boiler 2	On 3/09/2021: One (1) hour downtime for CEMS CGA.
CO	
Boiler 1	On 3/09/2021: One (1) hour downtime for CEMS CGA.
Boiler 2	On 3/09/2021: One (1) hour downtime for CEMS CGA.
CO2	
Boiler 1	On 3/09/2021: One (1) hour downtime for CEMS CGA.
Boiler 2	On 3/09/2021: One (1) hour downtime for CEMS CGA.
O2	
Boiler 1	On 3/09/2021: One (1) hour downtime for CEMS CGA.
Boiler 2	On 3/09/2021: One (1) hour downtime for CEMS CGA.
OPACITY	
Boiler 1	On 3/09/2021: Twelve (12) 6-minute periods downtime for CEMS CGA.
Boiler 1	On 3/30/2021: Three (3) 6-minute periods downtime for COMS Audit.
Boiler 2	On 3/09/2021: Twelve (12) 6-minute periods downtime for CEMS CGA.
Boiler 2	On 3/30/2021: Five (5) 6-minute periods downtime for COMS Audit.

OPERATING DATA	
Ammonia Usage (Pounds)	
Boiler 1	42,023
Boiler 2	41,675
Total Both Boilers	83,698
Boiler Operating Time (Hours)	
Boiler 1	494
Boiler 2	495

BOILER OFF LINE TIMES				
Boiler 1				
Boiler Off line		Boiler On line		Cause
Date	Time off	Date	Time on	
3/14/21	06:48	3/24/21	04:47	Plant down for maintenance outage
3/25/21	10:06	3/25/21	21:59	Boiler 1 down for FD fan failure maintenance
Boiler 2				
Boiler Off line		Boiler On line		Cause
Date	Time off	Date	Time on	
3/14/21	07:00	3/24/21	14:59	Plant down for maintenance outage

Note: Boiler Off Line Times are in DAHS time

CAM Plan Excursions	
Date	Description
	None

Burney Forest Products
Wood Fuel: Mar 2021

Day	#1 Boiler									#2 Boiler								
	Belt Scale Reading	Hours on Wood	Average Green	Daily Moisture	Bone Dry Tons	Average Bone Dry Tons Per Hour	Average Wood Heat Input mmbtu/hr	Average Daily Steam Flow KPPH	Belt Scale Reading	Hours on Wood	Average Green	Daily Moisture	Bone Dry Tons	Average Bone Dry Tons Per Hour	Average Wood Heat Input mmbtu/hr	Average Daily Steam Flow KPPH		
	Total Green Tons	Fuel	Tons/hr	%	Day	Tons	Per Hour	mmbtu/hr	Flow KPPH	Total Green Tons	Fuel	Tons/hr	%	Day	Tons	Per Hour	mmbtu/hr	Flow KPPH
1	610.0	24.0	25.4	44%	343.4	14.3	250.4	171.6	637.1	24.0	26.5	44%	358.6	14.9	261.5	182.5		
2	600.0	24.0	25.0	40%	357.9	14.9	261.0	187.2	616.4	24.0	25.7	40%	367.7	15.3	268.1	187.7		
3	610.0	24.0	25.4	39%	370.5	15.4	270.4	173.3	600.0	22.0	27.3	39%	364.4	16.6	290.1	157.4		
4	580.0	24.0	24.2	40%	346.1	14.4	252.4	178.4	550.0	15.5	35.4	40%	328.2	21.2	370.2	123.4		
5	610.0	24.0	25.5	44%	342.5	14.3	250.3	164.5	605.0	24.0	25.2	44%	339.7	14.2	247.7	179.4		
6	605.0	24.0	25.2	47%	320.7	13.4	234.2	161.2	615.0	24.0	25.6	47%	326.0	13.6	237.9	166.5		
7	620.0	24.0	25.9	46%	336.1	14.0	245.4	160.9	630.0	24.0	26.3	46%	341.5	14.2	249.0	175.7		
8	625.0	24.0	26.1	46%	337.2	14.1	246.3	159.0	650.0	24.0	27.1	46%	350.7	14.6	255.7	177.5		
9	648.6	24.0	27.1	45%	354.0	14.8	258.5	171.8	606.3	24.0	25.3	45%	330.9	13.8	241.6	175.5		
10	602.2	24.0	25.1	46%	325.3	13.6	237.7	168.9	604.0	24.0	25.2	46%	326.3	13.6	238.2	169.1		
11	610.0	24.0	25.5	41%	357.4	14.9	260.9	173.8	605.0	24.0	25.2	41%	354.4	14.8	258.8	163.1		
12	615.0	24.0	25.6	42%	356.8	14.9	260.4	176.6	610.0	24.0	25.4	42%	353.9	14.8	258.2	166.5		
13	608.0	24.0	25.4	42%	352.6	14.7	257.3	168.8	622.0	24.0	25.9	42%	360.7	15.0	263.0	175.7		
14	90.3	6.8	13.3	32%	61.8	9.1	159.9	122.7	99.8	6.3	15.8	32%	68.3	10.8	188.7	118.3		
15	0.0	0.0	0.0	31%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0%	0.0	0.0	0.0	0.0		
16	0.0	0.0	0.0	30%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0%	0.0	0.0	0.0	0.0		
17	0.0	0.0	0.0	31%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0%	0.0	0.0	0.0	0.0		
18	0.0	0.0	0.0	31%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0%	0.0	0.0	0.0	0.0		
19	0.0	0.0	0.0	31%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0%	0.0	0.0	0.0	0.0		
20	0.0	0.0	0.0	31%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0%	0.0	0.0	0.0	0.0		
21	0.0	0.0	0.0	30%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0%	0.0	0.0	0.0	0.0		
22	0.0	0.0	0.0	30%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0%	0.0	0.0	0.0	0.0		
23	0.0	0.0	0.0	30%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0%	0.0	0.0	0.0	0.0		
24	203.7	15.2	13.4	40%	122.5	8.1	141.3	107.0	81.2	6.6	12.3	40%	48.8	7.4	129.8	49.0		
25	2.3	3.2	0.7	46%	1.2	0.4	6.8	52.0	579.0	24.0	24.1	46%	311.1	13.0	226.8	169.1		
26	600.0	24.0	25.0	44%	333.6	13.9	243.3	173.0	610.0	24.0	25.4	44%	339.2	14.1	247.3	175.5		
27	607.3	24.0	25.3	46%	328.8	13.7	239.7	171.3	609.7	24.0	25.4	46%	330.1	13.8	240.7	173.8		
28	605.8	24.0	25.2	45%	331.8	13.8	241.9	180.5	615.0	24.0	25.6	45%	336.8	14.0	245.6	177.1		
29	630.0	24.0	26.3	45%	346.5	14.4	252.9	174.9	652.8	24.0	27.2	45%	359.1	15.0	262.0	182.8		
30	620.0	24.0	25.9	45%	338.9	14.1	247.4	179.2	636.1	24.0	26.5	45%	347.6	14.5	253.8	175.3		
31	584.5	23.9	24.4	44%	324.9	13.6	237.6	175.2	651.2	24.0	27.1	44%	362.0	15.1	264.0	179.6		
Total	11,888	481			6,691				12,486	482			7,006					
Average							163								177			
12 Month Rolling Avg Wood/(Gas+Wood) "Db" Cap. Factor = 73%								12 Month Rolling Avg Wood/(Gas+Wood) "Db" Cap. Factor = 75%										

Burney Forest Products
Natural Gas Fuel:

Mar 2021

Day	#1 Boiler						#2 Boiler						Plant Total Gas Usage MCF Day
	Hours on Gas Fuel Only	Hours on Gas Fuel Co-Fire	Gas Usage MCF Day	Average	HHV	HHV	Hours on Gas Fuel Only	Hours on Gas Fuel Co-Fire	Gas Usage MCF Day	Average	HHV	HHV	
				Usage	Gas	Heat				Usage	Gas	Heat	
				Rate	Input Rate	Input				Rate	Input Rate	Input	
MCF/hr	mmbtu/hr	mmbtu	MCF/hr	mmbtu/hr	mmbtu								
1	0.00	24.00	657	27.4	27.8	667.2	0.00	24.00	599	24.9	25.3	607.7	1256
2	0.00	24.00	447	18.6	18.9	454.0	0.00	24.00	690	28.7	29.2	700.2	1137
3	0.00	23.98	508	21.2	21.5	516.1	2.00	21.98	693	28.9	29.3	703.5	1202
4	0.00	24.00	511	21.3	21.6	518.6	8.47	15.52	876	36.5	37.1	888.7	1387
5	0.02	11.58	254	21.9	22.2	258.0	0.00	24.00	581	24.2	24.6	589.7	835
6	0.00	12.37	219	17.7	18.0	222.1	0.00	23.38	560	23.9	24.3	568.2	779
7	0.00	11.67	282	24.2	24.5	286.4	0.00	24.00	562	23.4	23.8	570.2	844
8	0.00	3.07	172	56.0	56.9	174.5	0.00	24.00	601	25.0	25.4	610.1	773
9	0.00	1.72	66	38.5	39.1	67.2	0.00	16.65	395	23.7	24.1	400.9	461
10	0.00	12.17	244	20.1	20.4	248.1	0.00	9.68	253	26.1	26.5	256.9	497
11	0.00	19.73	406	20.6	20.9	412.0	0.00	3.27	79	24.3	24.7	80.7	485
12	0.00	16.02	275	17.2	17.4	279.0	0.00	11.08	326	29.4	29.8	330.6	601
13	0.00	15.27	536	35.1	35.6	543.7	0.00	24.00	500	20.8	21.1	507.3	1036
14	0.00	6.77	263	38.8	39.4	266.8	0.00	6.33	187	29.6	30.0	190.2	450
15	0.00	0.00	0	0.0	0.0	0.0	0.00	0.00	0	0.0	0.0	0.0	0
16	0.00	0.00	0	0.0	0.0	0.0	0.00	0.00	0	0.0	0.0	0.0	0
17	0.08	0.00	6	76.3	77.4	6.5	0.02	0.00	3	171.2	173.8	2.9	9
18	0.00	0.00	0	0.0	0.0	0.0	0.00	0.00	0	0.0	0.0	0.0	0
19	0.00	0.00	0	0.0	0.0	0.0	0.00	0.00	0	0.0	0.0	0.0	0
20	0.00	0.00	0	0.0	0.0	0.0	0.00	0.00	0	0.0	0.0	0.0	0
21	0.00	0.00	0	0.0	0.0	0.0	0.00	0.00	0	0.0	0.0	0.0	0
22	0.00	0.00	0	0.0	0.0	0.0	0.00	0.00	0	0.0	0.0	0.0	0
23	0.00	0.00	0	0.0	0.0	0.0	0.00	0.00	0	0.0	0.0	0.0	0
24	3.80	15.17	688	36.3	36.8	698.6	2.22	6.58	203	23.1	23.5	206.5	892
25	8.83	3.15	732	61.1	62.0	742.8	0.00	24.00	785	32.7	33.2	797.0	1517
26	0.00	24.00	456	19.0	19.3	463.3	0.00	24.00	495	20.6	20.9	502.7	952
27	0.00	24.00	379	15.8	16.0	384.7	0.00	24.00	512	21.3	21.6	519.3	891
28	0.00	24.00	377	15.7	15.9	382.7	0.00	24.00	546	22.8	23.1	554.2	923
29	0.00	12.43	308	24.7	25.1	312.2	0.00	8.10	191	23.6	23.9	193.8	499
30	0.00	8.12	137	16.9	17.1	139.0	0.00	2.37	83	35.2	35.8	84.6	220
31	0.00	6.50	290	44.7	45.4	294.8	0.00	0.00	0	0.0	0.0	0.0	290
Total	12.73	324	8,215			8,338	12.70	365	9,720			9,866	17,935
Average					24.8					26.1			
Current Month, Gas/(Gas+Wood) "Db" Capacity Factor =					4%		Current Month, Gas/(Gas+Wood) "Db" Capacity Factor =						4%
12 Month Rolling Avg Gas/(Gas+Wood) "Db" Cap. Factor =					4%		12 Month Rolling Avg Gas/(Gas+Wood) "Db" Cap. Factor =						4%
Flame Stabilization MCF						7,904	Flame Stabilization MCF						9,393
Other Gas Uses						311	Other Gas Uses						327
							Flame Stabilization Total =						17,297
							Other Gas Uses Total =						638



May 20, 2021

Ms. Lindsey Welch
Senior Air Pollution Inspector
Shasta County Air Quality Management District
1855 Placer Street, Suite 101
Redding, CA 96001

Re: **Monthly Emission Report – April 2021**
Burney Forest Products

Dear Ms. Welch,

Pursuant to Title V Operating Permit 87-TV-27n, Condition 20, enclosed please find the April 2021 *Monthly Emissions Report* for Burney Forest Products (BFP).

If you have any questions or require additional information, please contact Josh Hirschi, EH&S Manager, at 530-335-5023 ext. 105.

Sincerely,

A handwritten signature in black ink, appearing to read 'Bill Dillard', with a long horizontal flourish extending to the right.

Bill Dillard
Plant Manager

Cc: John Christian (email)

File: 201-40-03

BURNEY FOREST PRODUCTS
Monthly Emissions Report
April 2021

EXCESS EMISSION SUMMARY			
Parameter	Limit	Averaging Period	Excursions
CO – Gas	400 ppm@3% O2	24-hr Block Avg (Calendar Day)	None
CO - Wood	1,200 ppm@12% CO2	24-hr Block Avg (Calendar Day)	None
NOx – Gas	70 ppm@3% O2	3-hr Block Avg	None
NOx – Gas	0.084 lb/mmBtu	3-hr Block Avg	None
NOx – Wood	0.12 lb/mmBtu	3-hr Block Avg	None
NOx – Mixed Fuel – Boiler 1	0.145 lb/mmBtu	3-hr Block Avg	None
NOx – Mixed Fuel – Boiler 2	0.146 lb/mmBtu	3-hr Block Avg	None
NOx – All Fuels	57.4 lb/hr (both boilers combined)	1-hr Total	None
NOx – All Fuels	250 ppm@12% CO2	1-hr Avg	None
Opacity	20%	6-min Avg	On 4/23/21, Boiler 1 COMS experienced a malfunction from a blockage of the mirrors, and artificially recorded high opacities (75 %) for eight six-minute averages. A visual opacity was conducted to verify that no emissions over 20% were being observed. Blockage was cleared and COMS returned to regular service.
Opacity	40%	3-min aggr./hr	None

CEMS/COMS DOWNTIME PERIODS	
NOx	
Boiler 1	None
Boiler 2	None
CO	
Boiler 1	None
Boiler 2	None
CO2	
Boiler 1	None
Boiler 2	None
O2	
Boiler 1	None
Boiler 2	None

CEMS/COMS DOWNTIME PERIODS	
OPACITY	
Boiler 1	On 4/23/2021: Three (3) 6-minute periods downtime for maintenance
Boiler 2	None

OPERATING DATA	
Ammonia Usage (Pounds)	
Boiler 1	14,419
Boiler 2	13,207
Total Both Boilers	27,624
Boiler Operating Time (Hours)	
Boiler 1	720
Boiler 2	720

BOILER OFF LINE TIMES				
Boiler 1				
Boiler Off line		Boiler On line		Cause
Date	Time off	Date	Time on	
				No offline times during April 2021
Boiler 2				
Boiler Off line		Boiler On line		Cause
Date	Time off	Date	Time on	
				No offline times during April 2021

Note: Boiler Off Line Times are in DAHS time

CAM Plan Excursions	
Date	Description
	None

Burney Forest Products
Wood Fuel: Apr 2021

Day	#1 Boiler									#2 Boiler								
	Belt Scale Reading	Hours on Wood	Average Green	Daily Moisture	Bone Dry	Average Bone Dry	Average Wood Heat	Average Daily Steam	Belt Scale Reading	Hours on Wood	Average Green	Daily Moisture	Bone Dry	Average Bone Dry	Average Wood Heat	Average Daily Steam		
	Total Green Tons	Fuel	Tons/hr	%	Tons Day	Tons Per Hour	mmbtu/hr	Flow KPPH	Total Green Tons	Fuel	Tons/hr	%	Tons Day	Tons Per Hour	mmbtu/hr	Flow KPPH		
1	652.5	24.0	27.2	45%	361.6	15.1	263.7	180.3	644.8	24.0	26.9	45%	357.3	14.9	260.9	180.3		
2	604.3	23.9	25.2	45%	333.9	14.0	244.2	172.1	654.0	24.0	27.3	45%	361.4	15.1	263.7	183.3		
3	601.8	23.9	25.1	44%	334.6	14.0	244.6	177.8	618.5	23.9	25.8	44%	343.8	14.4	251.4	180.3		
4	578.6	24.0	24.1	44%	324.1	13.5	236.5	174.4	584.9	24.0	24.4	44%	327.7	13.7	239.3	175.0		
5	609.0	24.0	25.4	44%	343.1	14.3	250.2	173.0	624.8	24.0	26.0	44%	352.0	14.7	256.7	177.2		
6	623.2	24.0	26.0	43%	353.5	14.7	257.8	180.3	617.7	24.0	25.7	43%	350.4	14.6	255.5	179.1		
7	613.3	24.0	25.6	43%	347.7	14.5	254.0	173.8	639.2	24.0	26.6	43%	362.3	15.1	264.2	184.1		
8	651.5	24.0	27.1	44%	363.9	15.2	265.4	180.7	627.1	24.0	26.1	44%	350.3	14.6	255.4	178.1		
9	627.6	24.0	26.1	44%	348.7	14.5	254.3	168.7	666.9	24.0	27.8	44%	370.6	15.4	270.2	179.3		
10	661.6	24.0	27.6	45%	363.5	15.1	265.0	174.1	633.6	24.0	26.4	45%	348.1	14.5	253.8	169.5		
11	564.8	23.8	23.7	45%	309.7	13.0	227.4	152.3	674.3	24.0	28.1	45%	369.8	15.4	269.6	169.7		
12	698.2	24.0	29.1	46%	379.5	15.8	277.1	175.1	599.7	24.0	25.0	46%	325.9	13.6	238.0	159.2		
13	646.7	24.0	27.0	45%	358.1	14.9	261.3	174.8	688.4	24.0	28.7	45%	381.2	15.9	277.9	179.8		
14	689.2	24.0	28.7	47%	368.7	15.4	268.8	168.9	689.1	24.0	28.7	47%	368.6	15.4	269.0	174.9		
15	647.7	24.0	27.0	46%	351.2	14.7	256.4	173.4	669.9	24.0	27.9	46%	363.2	15.1	264.8	174.5		
16	686.6	24.0	28.6	45%	379.5	15.8	276.7	179.7	653.0	24.0	27.2	45%	360.9	15.0	263.3	176.0		
17	690.0	24.0	28.8	47%	367.2	15.3	268.2	174.6	687.5	24.0	28.6	47%	365.9	15.2	266.8	172.9		
18	680.0	24.0	28.3	46%	367.4	15.3	267.9	181.4	690.2	24.0	28.8	46%	372.9	15.6	272.3	178.0		
19	687.6	24.0	28.7	46%	368.3	15.4	269.1	173.9	672.0	24.0	28.0	46%	359.9	15.0	262.6	172.4		
20	627.4	24.0	26.1	46%	341.8	14.2	249.2	179.3	693.5	24.0	28.9	46%	377.8	15.7	275.5	178.8		
21	640.0	24.0	26.7	46%	345.4	14.4	252.4	168.7	674.4	24.0	28.1	46%	363.9	15.2	265.7	173.6		
22	620.0	21.8	28.4	44%	346.0	15.9	277.5	165.9	652.0	24.0	27.2	44%	363.9	15.2	265.3	175.8		
23	640.0	20.3	31.6	45%	349.8	17.2	301.8	144.1	696.0	24.0	29.0	45%	380.5	15.9	277.8	175.2		
24	620.0	24.0	25.9	47%	326.0	13.6	237.9	165.5	680.0	24.0	28.3	47%	357.6	14.9	260.7	170.4		
25	633.3	24.0	26.4	48%	329.8	13.8	240.7	172.9	690.0	24.0	28.8	48%	359.4	15.0	262.4	172.6		
26	695.7	24.0	29.0	48%	363.2	15.2	265.4	175.9	702.8	24.0	29.3	48%	366.9	15.3	267.9	166.0		
27	727.3	24.0	30.3	47%	382.5	16.0	279.3	181.6	689.5	23.9	28.8	47%	362.7	15.2	265.4	160.7		
28	661.9	24.0	27.6	47%	348.1	14.5	254.2	175.4	690.0	24.0	28.8	47%	362.9	15.1	264.6	176.3		
29	601.3	24.0	25.1	44%	334.2	13.9	243.7	161.3	680.0	24.0	28.4	44%	377.9	15.8	276.0	169.1		
30	681.6	24.0	28.4	49%	350.5	14.6	255.9	160.1	690.0	23.9	28.8	49%	354.8	14.8	259.4	165.0		
Total	19,362	713			10,541				19,874	719			10,820					
Average							259								263			
12 Month Rolling Avg Wood/(Gas+Wood) "Db" Cap. Factor = 74%								12 Month Rolling Avg Wood/(Gas+Wood) "Db" Cap. Factor = 76%										

Burney Forest Products
Natural Gas Fuel:

Apr 2021

Day	#1 Boiler						#2 Boiler						Plant Total Gas Usage MCF Day
	Hours on Gas Fuel Only	Hours on Gas Fuel Co-Fire	Gas Usage MCF Day	Average	HHV	HHV	Hours on Gas Fuel Only	Hours on Gas Fuel Co-Fire	Gas Usage MCF Day	Average	HHV	HHV	
				Usage	Gas	Heat				Usage	Gas	Heat	
				Rate	Input Rate	Input				Rate	Input Rate	Input	
MCF/hr	mmbtu/hr	mmbtu	MCF/hr	mmbtu/hr	mmbtu								
1	0.00	0.00	0	0.0	0.0	0.0	0.00	1.97	76	38.6	39.1	77.0	76
2	0.00	3.68	139	37.8	38.3	141.2	0.00	1.33	55	41.5	42.2	56.2	195
3	0.00	9.78	227	23.2	23.5	230.0	0.00	3.77	107	28.3	28.8	108.3	333
4	0.00	7.77	187	24.1	24.4	189.8	0.00	7.27	166	22.9	23.2	168.8	353
5	0.00	0.00	0	0.0	0.0	0.0	0.00	0.00	0	0.0	0.0	0.0	0
6	0.00	0.00	0	0.0	0.0	0.0	0.00	0.00	0	0.0	0.0	0.0	0
7	0.00	0.00	1	0.0	0.0	0.6	0.00	0.00	0	0.0	0.0	0.0	1
8	0.00	0.00	0	0.0	0.0	0.0	0.00	0.00	0	0.0	0.0	0.0	0
9	0.00	0.00	0	0.0	0.0	0.0	0.00	0.00	0	0.0	0.0	0.0	0
10	0.00	0.00	0	0.0	0.0	0.0	0.00	0.00	0	0.0	0.0	0.0	0
11	0.00	5.00	311	62.3	63.2	316.2	0.00	0.00	0	0.0	0.0	0.0	311
12	0.00	0.17	4	24.1	24.4	4.1	0.00	7.22	242	33.5	34.0	245.7	246
13	0.00	2.88	132	45.8	46.5	134.1	0.00	0.00	0	0.0	0.0	0.0	132
14	0.00	0.00	0	0.0	0.0	0.0	0.00	3.55	114	32.1	32.6	115.7	114
15	0.00	6.08	220	36.2	36.8	223.8	0.00	0.00	0	0.0	0.0	0.0	220
16	0.00	0.00	0	0.0	0.0	0.0	0.00	2.27	57	25.2	25.6	58.0	57
17	0.00	2.25	71	31.6	32.0	72.1	0.00	0.00	0	0.0	0.0	0.0	71
18	0.00	0.00	0	0.0	0.0	0.0	0.00	2.15	54	24.9	25.3	54.4	54
19	0.00	6.65	199	29.9	30.3	201.7	0.00	2.75	110	40.2	40.8	112.1	309
20	0.00	24.00	475	19.8	20.1	481.8	0.00	0.00	0	0.0	0.0	0.0	475
21	0.00	15.05	522	34.7	35.2	529.9	0.00	3.57	77	21.7	22.0	78.5	599
22	2.08	4.83	223	32.3	32.8	226.6	0.00	0.00	0	0.0	0.0	0.0	223
23	3.67	13.97	583	33.0	33.5	591.5	0.00	2.98	104	34.8	35.3	105.3	686
24	0.00	14.55	343	23.5	23.9	347.7	0.00	0.00	0	0.0	0.0	0.0	343
25	0.00	21.82	459	21.1	21.4	466.3	0.00	3.28	104	31.7	32.2	105.7	564
26	0.00	15.45	315	20.4	20.7	319.3	0.00	2.73	84	30.6	31.1	84.9	398
27	0.00	18.12	322	17.8	18.0	326.6	0.03	1.90	84	43.5	44.2	85.2	406
28	0.00	23.27	503	21.6	22.0	510.9	0.00	0.00	0	0.0	0.0	0.0	503
29	0.00	24.00	648	27.0	27.4	657.2	0.00	8.77	253	28.9	29.3	257.2	901
30	0.00	7.92	230	29.0	29.4	233.0	0.00	2.52	60	23.8	24.2	60.9	290
Total	5.75	227	6,113			6,204	0.03	58	1,748			1,774	7,860
Average					26.6					30.6			
Current Month, Gas/(Gas+Wood) "Db" Capacity Factor =					3%		Current Month, Gas/(Gas+Wood) "Db" Capacity Factor =						1%
12 Month Rolling Avg Gas/(Gas+Wood) "Db" Cap. Factor =					4%		12 Month Rolling Avg Gas/(Gas+Wood) "Db" Cap. Factor =						4%
Flame Stabilization MCF					5,962		Flame Stabilization MCF						1,747
Other Gas Uses					151		Other Gas Uses						1
Flame Stabilization Total =													7,709
Other Gas Uses Total =													152

**PG&E Gas and Electric
Advice Submittal List
General Order 96-B, Section IV**

AT&T
Albion Power Company

Alta Power Group, LLC
Anderson & Poole

Atlas ReFuel
BART

Barkovich & Yap, Inc.
California Cotton Ginners & Growers Assn
California Energy Commission

California Hub for Energy Efficiency
Financing

California Alternative Energy and
Advanced Transportation Financing
Authority
California Public Utilities Commission
Calpine

Cameron-Daniel, P.C.
Casner, Steve
Cenergy Power
Center for Biological Diversity

Chevron Pipeline and Power
City of Palo Alto

City of San Jose
Clean Power Research
Coast Economic Consulting
Commercial Energy
Crossborder Energy
Crown Road Energy, LLC
Davis Wright Tremaine LLP
Day Carter Murphy

Dept of General Services
Don Pickett & Associates, Inc.
Douglass & Liddell

East Bay Community Energy Ellison
Schneider & Harris LLP Energy
Management Service
Engineers and Scientists of California

GenOn Energy, Inc.
Goodin, MacBride, Squeri, Schlotz &
Ritchie

Green Power Institute
Hanna & Morton
ICF

IGS Energy
International Power Technology
Intestate Gas Services, Inc.
Kelly Group
Ken Bohn Consulting
Keyes & Fox LLP
Leviton Manufacturing Co., Inc.

Los Angeles County Integrated
Waste Management Task Force
MRW & Associates
Manatt Phelps Phillips
Marin Energy Authority
McKenzie & Associates

Modesto Irrigation District
NLine Energy, Inc.
NRG Solar

Office of Ratepayer Advocates
OnGrid Solar
Pacific Gas and Electric Company
Peninsula Clean Energy

Pioneer Community Energy

Redwood Coast Energy Authority
Regulatory & Cogeneration Service, Inc.
SCD Energy Solutions
San Diego Gas & Electric Company

SPURR
San Francisco Water Power and Sewer
Sempra Utilities

Sierra Telephone Company, Inc.
Southern California Edison Company
Southern California Gas Company
Spark Energy
Sun Light & Power
Sunshine Design
Tecogen, Inc.
TerraVerde Renewable Partners
Tiger Natural Gas, Inc.

TransCanada
Utility Cost Management
Utility Power Solutions
Water and Energy Consulting Wellhead
Electric Company
Western Manufactured Housing
Communities Association (WMA)
Yep Energy