

CONSTRUCTION AND OPERATING PERMIT SUMMARY REPORT

Company Name: S&S Firewood LLC File Number: 26-0217 EPS Initials: ETT
Permit Number(s): 080265 Source Point Number(s): 01
Application Received: April 8, 2022 Application Complete: May 31, 2022
Air Quality Analysis Performed? Yes ☐ No ☒

Briefly describe the project: (new source, modifications) (what the process is) (type controls proposed) (emissions expected, qualitative) (replacing what sources) (background information)

S&S Firewood LLC submitted a construction permit application for a wood-fired boiler on April 8, 2022. S&S Firewood LLC is a facility that heat treats wood and used pallets for use as firewood. The facility currently operates one 0.51 MMBtu/hr. boiler and an insignificant steam heated wood-drying kiln. The boiler is subject to 40 CFR 63, Subpart JJJJJ as a new source for MACT purposes since construction commenced after June 04, 2010.

No controls are used on the wood-fired boiler.

Emissions expected are particulate matter (PM and PM10), sulfur dioxide (SO2), carbon monoxide (CO), volatile organic compounds (VOC), and nitrogen oxides (NOx).

Rules Analysis

Title V ☐ Cond. Major ☐ Minor ☐ Source category listed in 1200-3-9-.01(4)(b)1.(i)? Yes ☐ No ☒
Reason for PSD: New source above ____ TPY ☐ Sig. increase in ____ emissions ☐ N/A ☒
Applicable NSPS: 40 CFR Part 60, Subpart ____ ☐ State Rule 1200-3-16-. ____ ☐ N/A ☒
Applicable NESHAP: 40 CFR Part 61, Subpart ____ ☐ State Rule 1200-3-11-. ____ ☐ N/A ☒
Applicable NESHAP: 40 CFR Part 63, Subpart 6J ☒ State Rule 1200-3-31-. ____ ☐ N/A ☒

Other Applicable State Rules

PM Emissions: 1200-3- 06 - 01(7) ☒ N/A ☐ NO_x Emissions: 1200-3- 06 - 03(2) ☒ N/A ☐
SO₂ Emissions: 1200-3- 14 - 01(3) ☒ N/A ☐ Lead Emissions: 1200-3- ____ - ____ ☐ N/A ☒
CO Emissions: 1200-3- 06 - 03(2) ☒ N/A ☐ HAP Emissions: 1200-3- ____ - ____ ☐ N/A ☒
VOC Emissions: 1200-3- 06 - 03(2) ☒ N/A ☐

Visible Emissions from Source 01 not to exceed 20 % opacity per Method 9 (Rule 1200-3- 05 - 01(1))
& (Rule 1200-3 05 - 06(2))

Comments: _____

Emission Summary

Facility ID: 26-0217

Permit Number: 080265

Source Status: New ☒ Modification ☐ Expansion ☐ Relocation ☐

Permit Status: New ☒ Renewal ☐

PSD ☐ NSPS ☐ NESHAPs ☒ Previous Permit Number: Construction N/A Operating N/A

26-0217: Wood-Fired Boiler

Pollutant	Pounds/Hour			Tons/Year				Date of Data	*	Applicable Standard(s) TAPCR
	Actual	Potential	Allowable	Actual	Potential	Allowable	Net Change			
PM	0.21	0.21	0.21	0.28	0.92	0.92		04/07/2022 05/31/2022		1200-03-06-.01(7)
SO ₂	0.01	0.01	0.01	0.01	0.04	0.04		04/07/2022 05/31/2022		1200-03-14-.01(3)
CO	0.3	0.3		0.41	1.34	1.34		04/07/2022 05/31/2022		1200-03-06-.03(2)
VOC	0.01	0.01		0.01	0.04	0.04		04/07/2022 05/31/2022		1200-03-06-.03(2)
NO _x	0.25	0.25		0.34	1.09	1.09		04/07/2022 05/31/2022		1200-03-06-.03(2)
MISC.										
HAPS – facility wide										
Exempt										

* = Source of Data: Applications dated April 7, 2022, and May 31, 2022.

Actual emissions are based on 2700 hr./yr.

Potential and allowable emissions are based on 8760 hr./yr.

PERMITTING ENGINEER: ETT

DATE: September 8, 2022

PERMIT ISSUED: September 23, 2022

PERMIT EXPIRATION: April 01, 2032