

CONSTRUCTION PERMIT SUMMARY REPORT

Company Name: Dynamic Recycling, LLC File Number: 82-1020 EPS Initials: ETT
Permit Number(s): 981211 Source Point Number(s): 04
Application Received: March 08, 2023 Application Complete: May 31, 2023
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)

Dynamic Recycling, LLC originally submitted a construction air permit application for a proposed wiped film evaporator (WFE) on March 8, 2023. The WFE is designed to continuously separate volatile compounds by introducing a mechanically agitated thin film of feed material to a heated surface for processing of ethanol not viable for standard distillation.

Emissions from the wiped film evaporator source are volatile organic compounds (VOC). The VOC emission limitation was taken to avoid Prevention of Significant Air Quality Deterioration (PSD) and are established pursuant to TAPCR 1200-03-09-.01(4).

Types of controls: None at this facility.

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	<input type="checkbox"/>	Sig. increase in _____ emissions	<input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
Applicable NSPS:	40 CFR Part 60, Subpart NNN, & VVa	<input checked="" type="checkbox"/>	State Rule 1200-3-16-	<input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
Applicable NESHAP:	40 CFR Part 61, Subpart _____	<input type="checkbox"/>	State Rule 1200-3-11-	<input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
Applicable NESHAP:	40 CFR Part 63, Subpart _____	<input type="checkbox"/>	State Rule 1200-3-31-	<input type="checkbox"/>	N/A <input checked="" type="checkbox"/>

Other Applicable State Rules

PM Emissions:	1200-3- _____	<input type="checkbox"/>	N/A <input checked="" type="checkbox"/>	NO _x Emissions:	1200-3- _____	<input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
SO ₂ Emissions:	1200-3- _____	<input type="checkbox"/>	N/A <input checked="" type="checkbox"/>	Lead Emissions:	1200-3- _____	<input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
CO Emissions:	1200-3- _____	<input type="checkbox"/>	N/A <input checked="" type="checkbox"/>	HAP Emissions:	1200-3- _____	<input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
VOC Emissions:	1200-3- <u>07</u> -. <u>07(2)</u>	<input checked="" type="checkbox"/>	N/A <input type="checkbox"/>				
	& 1200-3- <u>09</u> -. <u>02(11)(a)</u>						

Visible Emissions from Source 04 not to exceed 20 % opacity per Method 9 (Rule 1200-3- 05 -. 01(1))
& (Rule 1200-3 05 -. 03(6))

Visible Emissions from roads/parking areas not to exceed 10 % opacity per Method 1 (Rule 1200-3 08 -. 03)

Comments: _____

Emission Summary

Facility ID: 82-1020

Permit Number: 981211

Source Status: New ☒ Modification ☐ Expansion ☐ Relocation ☐

Permit Status: New ☐ Renewal ☐

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

82-1020-04: Wiped Film Evaporator

Pollutant	Pounds/Hour			Tons/Year				Date of Data	*	Applicable Standard(s) TAPCR
	Actual	Potential	Allowable	Actual	Potential	Allowable	Net Change			
PM										
SO ₂										
CO										
VOC	2.05	3.02		8.99	14.3	**		5/31/2023		1200-03-07-.07(2) 1200-03-09-.02(11)(a) 1200-03-09-.01(4)
NO _x										
MISC.										
HAPS – facility wide										
Exempt										

* = Source of Data: Application dated May 31, 2023.

** - Included in facility-wide VOC emission limitation

PERMITTING ENGINEER: ETT

DATE: January 17, 2024

PERMIT ISSUED: March 26, 2024

PERMIT EXIPRATION: March 26, 2026