

Emission Summary

Source - 00

Permit Number: _____

Source Status: New ☒ Modification ☐ Expansion ☐ Relocation ☐ **Permit Status:** New ☒ Renewal ☐

PSD ☐ NSPS ☐ NESHAPs ☐ **Previous Permit Number:** Construction _____ Operating _____

	Pounds/Hour**			Tons/Year				Date of Data	*	Applicable Standard 1200-03-
	Actual	Potential	Allowable	Actual	Potential	Allowable	Net Change			
PM						99.9		7-18-22		07-.01(5)
NOx						99.9		7-18-22		07-.01(5)
CO						99.9		7-18-22		07-.01(5)
Combined HAP						24.9		7-18-22		09-.03(8) Section 112(b)
Individual HAP						9.9		7-18-22		09-.03(8) Section 112(b)

* - Source of data – applications dated January 12, 2022, and February 1, 2022

- 1) This site has an agreement letter dated September 21, 2022, to not exceed 99.9 TPY of PM, 99.9 TPY NOx, 99.9 TPY CO, 24.9 TPY of combined HAPs, and 9.9 TPY of any individual HAP.

PERMITTING PROGRAM: DSBr DATE: September 22, 2022

Emission Summary

Source - 25

Permit Number: 979841

Source Status: New ☐ Modification ☒ Expansion ☐ Relocation ☐ **Permit Status:** New ☒ Renewal ☐

PSD ☐ NSPS ☐ NESHAPs ☐ **Previous Permit Number:** Construction _____ Operating _____

	Pounds/Hour			Tons/Year				Date of Data	*	Applicable Standard 1200-03-
	Actual	Potential	Allowable	Actual	Potential	Allowable	Net Change			
PM	0.74 ²	0.74	0.74	3.24 ²	3.24	3.24		7-18-2022		07-.01(5)

* - Source of data – applications dated January 12, 2022, and February 1, 2022

- 1) This site has an agreement letter dated September 21, 2022, to not exceed 99.9 TPY of PM, 99.9 TPY NO_x, 99.9 TPY CO, 24.9 TPY of combined HAPs, and 9.9 TPY of any individual HAP.
- 2) This Source has an agreement to limit PM emissions from this source to 0.74 lbs/hr (3.24 TPY).

PERMITTING PROGRAM: DSBr DATE: September 22, 2022

CONSTRUCTION PERMIT SUMMARY REPORT

Company Name: Wacker Polysilicon North America, LLC File Number: 06-0282 EPS Initials: DSBr
Permit Number(s): 979841 Source Point 25
Number(s): _____
Application Received (date): January 13, 2022 Application Complete (date): February 9, 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)

Air emission source 06-0282-25 consists of a Silicon Grinding Process. The process includes an impact crusher, screener, and the associated conveyor belts. The raw silicon will be transferred from trucks to a covered raw material handling area via a tilting truck bed. Front-end loaders will then be used to move the silicon around the storage area and to transfer it into a raw feed hopper. From the raw feed hopper covered conveyor belts will be used to transfer the raw material to the impact crusher. At the impact crusher and beyond the material handling operations will be fully enclosed. The Source was previously determined to be insignificant, but various operating difficulties has necessitated a change of venting PM emissions back into the Source to venting outdoors. A Continuous-Duty Baghouse Collector using Donaldson Dura-Life filter media will allow the particulate emission levels to be no more than 0.004 grains per dry standard cubic foot. The facility has submitted an agreement letter dated September 21, 2022, to limit PM emissions from the source to 0.74 lb/hr (3.24 TPY) based on a 0.005 grains per dry standard cubic foot limitation.

Rules Analysis

Title V ☐ Cond. Major ☒ Minor ☐ Source category listed in 1200-03-09-.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 1200-03-16-____ ☐ N/A ☒

Applicable NESHAP: 40 CFR Part 61, Subpart ____ ☐ State Rule 1200-03-11-____ ☐ N/A ☒

Applicable NESHAP: 40 CFR Part 63, Subpart ____ ☐ State Rule 1200-03-31-____ ☐ N/A ☒

Other Applicable State Rules

TSP Emissions: 1200-3-07 -. 01(5) ☒ N/A ☒ NO_x Emissions: 1200-03-____ -. ____ ☐ N/A ☒

SO₂ Emissions: 1200-3-____ -. ____ ☐ N/A ☒ Lead Emissions: 1200-03-____ -. ____ ☐ N/A ☒

CO Emissions: 1200-3-____ -. ____ ☐ N/A ☒ HAP Emissions: 1200-03-____ -. ____ ☐ N/A ☒

VOC Emissions: 1200-3-____ -. ____ ☐ N/A ☒ ____ Emissions: 1200-03-____ -. ____ ☐ N/A ☒

Visible Emissions from This source not to exceed 20 % opacity per Method 9 (Rule 1200-03-5 -. 03(6))

Visible Emissions from _____ not to exceed _____ % opacity per Method _____ (Rule 1200-03-____ -. ____)

Visible Emissions from _____ not to exceed _____ % opacity per Method _____ (Rule 1200-03-____ -. ____)

Comments: _____