

General information

Public comment period begins: June 17, 2024
Public comment period ends: July 17, 2024
Current permit issued: October 16, 2019
Current permit expiration date: October 17, 2024

Name and address of Permittee:

Cambria Company
31496 Cambria Ave
Le Sueur, Minnesota 56058-4528

Facility name and location:

Cambria Co
31496 Cambria Ave
Le Sueur, MN 56058-4528
Le Sueur County

MPCA contact person:

Tyler Johnson
Industrial Division
Minnesota Pollution Control Agency
520 Lafayette Rd
St. Paul, MN 55155
Phone: 651-757-2658
Email: tyler.johnson@state.mn.us

File manager phone: 651-757-2728 or
844-828-0942

A draft permit and supporting documentation are available for review on the MPCA Public Notices webpage at <https://www.pca.state.mn.us/get-engaged/public-comments>. Additional materials relating to the issuance of this permit are available for inspection by appointment at any MPCA office (<https://www.pca.state.mn.us/about-mPCA/contact-us>) between the hours of 8:00 a.m. and 4:30 p.m., Monday through Friday. The MPCA will mail or email a copy of the draft permit upon request. Comments, petitions, and other requests must be received at the MPCA in writing on or before the public comment period end date and U.S. Mail comments must be received by 4:30 p.m.

Description of Permitted Activity

Cambria Company manufactures quartz-based surfaces for kitchen and bath uses. The quartz slabs are produced in six similar existing production lines. In each line quartz materials are transferred from silo rooms and dispensed by hoppers, and are then combined with pigments and resin. The mixture is then delumped and distributed into the slab mold before being pressed then baked in a curing oven to create the slab product. Rough edges are then cut from slabs, the surfaces are trued, and then undergo several polishing steps to create the finished product. After being dried by a filter press the waste residue is used as daily landfill cover.

Emissions from the Facility include volatile organic compounds (VOC) with hazardous air pollutants (HAP), specifically styrene from the resin used in the surfaces, particulate matter (PM, PM10, and PM2.5) emissions from handling the quartz material, and combustion products from the diesel fueled backup generators. VOC emissions from each line are controlled by one of three regenerative thermal oxidizers (RTO). Particulate emissions from material handling operations are controlled by fabric filters and generator emissions are controlled by oxidation catalysts. Further particulate emissions from cutting and polishing operations are suppressed by water sprays.

The permit action is for construction and operation of the facility. The permit action is a major amendment; therefore, the draft permit has been placed on public notice.

This permit action is for a major amendment and incorporates an administrative amendment.

Major Amendment for application received 10/11/2023: This permit action authorizes construction and operation of a seventh production line, Line 7, which will be similar to the six existing production lines (Lines 1, 2, 3, 4, 5, and 6). Line 1 will be removed and the new Line 7 will be installed in its place. Several new hoppers (EQUI 626-EQUI 671) will be installed and controlled by a new fabric filter (TREA 39). New mixing equipment (EQUI 678-EQUI 682) will be controlled by a new RTO (TREA 41). New conveying equipment (EQUI 683) and distributor (EQUI 684) will also be controlled by the new RTO (TREA 41). The new RTO (TREA 41) will also control Line 2 and Pre Mix rooms 1 and 2 equipment upon shutdown of the existing RTO (TREA 1). Six new tanks (EQUI 672-EQUI 677) will be installed to support resin distribution for the new line. The project also includes correction of capture efficiency requirements in COMGs 23-27.

The new fabric filters will control particulate matter emissions while the new RTO will control VOC and HAP emissions. VOC emissions from the new production line will also be restricted by the existing VOC limit of 200 tons per year which will now cover VOC emissions from all six production lines.

The project includes installation of a non-emergency diesel generator (EQUI 620) that will be controlled by an oxidation catalyst (TREA 38). The generator will be limited to 500 hours of operation per year.

The project authorizes construction on a new Line 6 hot oil heating unit (EQUI 619) and press (EQUI 618).

Administrative Amendment for application received 07/21/2023: This permit action incorporates a test extension of 120 days for the VOC capture efficiency testing for Lines 1-6 (COMGs 22-27).

A summary of the Emissions Increase in tons per year is as follows:

Pollutant	PM	PM ₁₀	PM _{2.5}	SO ₂	NO _x	VOCs	CO	CO _{2e}	Lead
Emissions Increase from new and modified emission units	3.46	1.70	1.70	0.038	14.87	23.66	4.30	6,664	0.000045
Net Emissions Increase	3.46	1.70	1.70	0.038	14.87	28.66	4.30	6,664	0.000045

PM = Particulate Matter

PM_{2.5} = PM, 2.5 microns and smaller

NO_x = Nitrogen Oxides

CO = Carbon Monoxide

PM₁₀ = PM, 10 microns and smaller

SO₂ = Sulfur Dioxide

VOCs = Volatile Organic Compounds

CO_{2e} = Carbon Dioxide Equivalents as defined in Minn. R. 7007.0100

The Permittee has submitted a pollution prevention progress report pursuant to Minn. Stat. § 115D.08.

The preliminary determination to amend this Air permit is tentative.

Procedure for public participation

As stated in Minn. R. chs. 7000 and 7001, there are three formal procedures for public participation in the MPCA's consideration of this matter. Interested persons may:

- 1) Submit written comments on the draft permit.
- 2) Petition the MPCA to hold a public informational meeting.
- 3) Petition the MPCA to hold a contested case hearing.

Submitting written comments

Comments may be submitted:

- 1) Online at <https://mpca.commentinput.com/comment/search>; or
- 2) By U.S. postal mail to the following address:

Tyler Johnson
Minnesota Pollution Control Agency
520 Lafayette Rd
St. Paul, MN 55155

Submitted comments or petitions must state:

- 1) Your interest in the permit application or the draft permit.
- 2) The action you wish the MPCA to take, including specific references to the section of the draft permit you believe should be changed.

- 3) The reasons supporting your position, stated with sufficient specificity as to allow the MPCA to investigate the merits of the position.

Public informational meeting

A public informational meeting is an informal meeting during which interested persons can ask questions concerning the proposed facility. MPCA staff will be present to provide information. If an interested person would like the MPCA to hold a public informational meeting, the person should include all information identified above and in addition include a statement of the reasons the person desires the MPCA to hold a public informational meeting and the issues that the person would like the agency to address at the public informational meeting.

Contested Case Hearing

A contested case hearing is a formal proceeding before an administrative law judge empowered to advise the MPCA regarding issues of fact. As described in Minn. R. 7000.1800, persons who submit petitions for a contested case hearing must also state the issues they propose to address in a contested case hearing, the specific relief requested or resolution of the matter, and the reasons (which may be in the form of proposed findings) supporting an MPCA decision to hold a contested case hearing. Failure to comply with these rules exactly may result in a denial of the request. To the extent known, the petitioner may also submit a list of prospective witnesses to be called at a hearing, a proposed list of publications, references, or studies to be introduced at a hearing and the approximate time required for the petitioner to present the matter at a hearing. The decision whether to hold a contested case hearing will be made under Minn. R. 7000.1900.