

## General information

**Public comment period begins:** November 18, 2024

**Public comment period ends:** December 18, 2024

**Current permit issued:** March 16, 2022

**Current permit expiration date:** March 16, 2027

**Name and address of Permittee:**

Cirrus Design Corp aka Cirrus Aircraft  
4515 Taylor Circle  
Duluth, MN 55811-1548

**Facility name and location:**

Cirrus Design Corp aka Cirrus Aircraft  
4515 Taylor Circle  
Hermantown, MN 55811-1548  
St. Louis County

**MPCA contact person:**

Kate Mahonen  
Industrial Division  
Minnesota Pollution Control Agency  
525 Lake Ave, S., Suite 400  
Duluth, MN 55802  
Phone: 218-302-6614  
Email: [kate.mahonen@state.mn.us](mailto:kate.mahonen@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 Cirrus Design Corp aka Cirrus Aircraft

Cirrus Design Corp is an aircraft manufacturing facility. The facility currently operates eight paint booths, two primer booths, and two parts cross draft booths each controlled by a paint filter. The facility also operates five smaller blast cabinets, two larger abrasive blasting booths, and one robot saw. Each larger abrasive blasting booth is controlled by a fabric filter and the smaller blast cabinets are equipped with different controls, three using fabric filters and two using panel filters. The robot saw is controlled by a baghouse. Additionally, the facility includes seventeen natural gas-fired makeup air units, one router, one emergency generator, three emergency fire pumps, cleaning/adhesion equipment, and insignificant activities. The main sources of emissions are from the booths, namely volatile organic compounds (VOC), hazardous air pollutants (HAPs), and particulate matter/particulate matter less than 10 microns/particulate matter less than 2.5 microns (PM/PM<sub>10</sub>/PM<sub>2.5</sub>).

This permit action is a major amendment with an additional major amendment rolled in. The major amendment application received on 2/7/2024 is for the incorporation of five buildings and their respective equipment: Innovation Center, Metalworks, Facility 5, Factory Service Center, and Building 311. This permit action authorizes the construction of one paint booth controlled by a paint filter, one natural gas-fired air makeup unit, and one abrasive blasting cabinet controlled by a baghouse located at the Innovation Center. Additionally, this permit action authorizes the construction of one robot saw booth controlled by a baghouse located at the Manufacturing Center and a parts paint booth controlled by a paint filter located at the Finishing Center. The second major amendment was received on 8/20/2024. This permit action authorizes the construction of one abrasive blasting cabinet controlled by a panel filter located at Facility 5. Additionally, at the Main Production facility, one air makeup unit has been replaced with a new air makeup unit on 4/1/2024 through an insignificant modification, and five insignificant activity natural gas combustion units will be replaced with five new units.

After these changes, the facility will operate ten paint booths, two primer booths, two parts cross draft booths, seven smaller blast cabinets, two abrasive blasting booths, two robot saw booths, eighteen natural gas-fired makeup air units, one router, one emergency generator, three emergency fire pumps, cleaning/adhesion equipment, and insignificant activities.

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

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

Pollutant	PM	PM <sub>10</sub>	PM <sub>2.5</sub>	SO <sub>2</sub>	NO <sub>x</sub>	VOCs	CO	CO <sub>2e</sub>	HAPs - Total
Emissions Increase from major amendment received on 2/7/2024	47.0	57.0	57.0	0.02	18.3	225	5.53	3,023	228.6
Emissions Increase from major amendment received on 8/20/2024	0.70	1.6	1.6	0.01	1.2	0.07	1.01	1,432	0.02

PM = Particulate Matter

PM<sub>2.5</sub> = PM, 2.5 microns and smaller

NO<sub>x</sub> = Nitrogen Oxides

CO = Carbon Monoxide

PM<sub>10</sub> = PM, 10 microns and smaller

SO<sub>2</sub> = Sulfur Dioxide

VOCs = Volatile Organic Compounds

CO<sub>2e</sub> = Carbon Dioxide Equivalents as defined in Minn. R. 7007.0100

HAP = Hazardous Air Pollutant

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:

Kate Mahonen  
Minnesota Pollution Control Agency  
525 Lake Ave, S., Suite 400  
Duluth, MN 55802

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.