

General information

Public comment period begins: November 25, 2024

Public comment period ends: December 26, 2024

Name and address of Permittee:

USG Corp
 550 W Adams St
 Chicago, IL 60661-3665

Facility name and location:

USG Interiors Inc - Red Wing
 27384 Highway 61 Blvd
 Red Wing, MN 55066-5525
 Goodhue County

MPCA contact person:

Benton Campbell
 Industrial Division
 Minnesota Pollution Control Agency
 520 Lafayette Rd
 Saint Paul, MN 55155
 Phone: 651-757-2285
 Email: benton.campbell@state.mn.us

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

A draft permit and supporting information 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 facility and project

USG Interiors Inc - Red Wing produces mineral wool. To create it, slag is melted in two cupolas, then the liquid slag is spun in blow chambers. This mineral wool is moved offsite, where it is used in a variety of final products, including ceiling tiles.

Emission units at the facility include the two coke-fired cupolas, which emit sulfur dioxide (SO₂), nitrogen oxides, (NO_x), particulate matter (PM, PM₁₀, PM_{2.5}), carbon monoxide (CO), volatile organic compounds (VOC), lead, hydrogen sulfide (H₂S), carbon dioxide (CO₂), carbonyl sulfide (COS), and other hazardous air pollutants (HAP); two blow chambers emitting PM, PM₁₀, PM_{2.5}, SO₂, and VOC; and one natural-gas fired heating boiler. The facility also emits fugitive particulate emissions from paved roads, storage piles, and other outdoor handling operations.

Particulate emissions (PM, PM₁₀, and PM_{2.5}) are controlled by high-temperature fabric filters on each cupola, and drum filters on each blow chamber. A thermal oxidizer controls VOC, CO, and volatile HAPs on the cupola exhaust stream.

The permit authorizes the construction of two new cupolas to replace the two existing cupolas, and two natural-gas-fired air preheaters. The new cupolas can each use one of the following firing methods: electric arc, natural-gas-fired, or coke-fired.

The Minnesota Pollution Control Agency (MPCA) has a combined operating and construction permitting program under Minn. R. ch. 7007. Under that authority, this permit action authorizes construction and operation of the two cupolas and two air preheaters.

The permit action is for modification and operation of the facility. The permit action is a reissuance of a Part 70 operating permit; therefore, the draft permit has been placed on public notice.

A summary of the potential to emit (PTE) and net emissions increase from the project in tons per year is as follows:

Pollutant	PM	PM ₁₀	PM _{2.5}	SO ₂	NO _x	VOCs	CO	CO _{2e}	Lead
Total Facility PTE	399.3	139.6	100.2	1014	168.7	88.4	25.9	84,370	0.07
Net Emissions Increase	23.5	13.5	9.0	36	36	0.31	5.0	24,530	0.00

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 reissue 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:
Benton Campbell
Minnesota Pollution Control Agency
520 Lafayette Rd
Saint 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.