

General information

Public comment period begins: October 24, 2023
Public comment period ends: November 27, 2023
Current permit issued: August 30, 2019
Current permit expiration date: August 30, 2024

Name and address of Permittee:	Facility name and location:	MPCA contact person:
Green Plains Inc 1811 Aksarben Dr Omaha, NE 68106-2279	Green Plains Otter Tail LLC 24096 170th Ave Fergus Falls, MN 56537-7518 Otter Tail County T133N, R43W, Section 020	Tarik Hanafy Industrial Division Minnesota Pollution Control Agency 520 Lafayette Road North St. Paul, MN 55155-4194 Phone: 651-757-2404 Email: tarik.hanafy@state.mn.us

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

A draft permit is 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 Green Plains Otter Tail LLC

Green Plains Otter Tail LLC (Facility) is a fuel-grade ethanol production plant in Fergus Falls, Minnesota. The facility uses a grain feedstock (primarily corn) to produce fuel ethanol and byproducts. The facility is permitted to produce up to 65 million gallons of undenatured (200-proof) ethanol per year. Operations at the facility include grain receiving, grain storage, milling, fermentation, ethanol distillation, drying and cooling of dried distillers grains with solubles (DDGS), DDGS storage, DDGS handling and loadout to trucks or railcars, denaturing ethanol (adding gasoline or similar denaturant), and ethanol storage, piping, and loadout to trucks or railcars.

Particulate matter, particulate matter less than 10 micron and particulate matter less than 2.5 micron (PM/PM₁₀/PM_{2.5}) are emitted from grain receiving, milling, DDGS handling and drying, combustion of natural gas or propane (boilers, regenerative thermal oxidizer, DDGS dryer), and vehicle traffic on paved and unpaved roads. Nitrogen oxides (NO_x), carbon monoxide (CO), sulfur dioxide (SO₂) and greenhouse gases (GHG, primarily carbon dioxide) are emitted from combustion of natural gas or propane. Volatile organic compounds (VOC) and hazardous air pollutants (HAP) are emitted from combustion of natural gas or propane, fermentation, drying and cooling of DDGS, wetcake production and storage, distillation, ethanol and denaturant storage and loadout, and volatile organic liquid (VOL) piping leaks.

Control equipment at the facility includes fabric filters for control of particulate emissions from grain, flour, and DDGS handling operations, packed scrubbers for control of VOC and HAP emissions from fermentation and distillation, a regenerative thermal oxidizer (RTO) for control of VOC and HAP emissions from DDGS drying and cooling, and a flare for control of VOC and HAP emissions from ethanol loadout into trucks and railcars.

This amendment incorporates new short-term process throughput limits for stacks 7 and 22-26 via notice of compliance letters from performance testing on each stack. An administrative amendment is included that involves a test extension for stacks 24-25.

The permit action is for operation of the facility. The permit action is a reopening (major amendment); therefore, the permit has been placed on public notice.

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

Pollutant	PM	PM ₁₀	PM _{2.5}	SO ₂	NO _x	VOC	CO	CO _{2e}	Total HAP
Amendment Emissions Increase	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

PM = Particulate Matter

PM₁₀ = PM, 10 microns and smaller

PM_{2.5} = PM, 2.5 microns and smaller
NO_x = Nitrogen Oxides
CO = Carbon Monoxide

SO₂ = Sulfur Dioxide
VOC = Volatile Organic Compounds
CO_{2e} = 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 issue 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:
Minnesota Pollution Control Agency
c/o Tarik Hanafy
520 Lafayette Road North
St. Paul, MN 55155-4194

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.