

# Iowa Department of Natural Resources

## Draft Title V Operating Permit Fact Sheet

This document has been prepared to fulfill the public participation requirements of 40 CFR Part 70 and 567 Iowa Administrative Code (IAC) 24.107(6). 40 CFR Part 70 contains operating permit regulations pursuant to Title V of the Clean Air Act.

---

The Iowa Department of Natural Resources (DNR) finds that:

1. Webster City Combustion Turbine, located at 309 3<sup>rd</sup> St., Webster City, IA 50595 has applied to renew their Title V Operating Permit. The designated responsible official of this facility is Michael Thatcher, VP of Power Supply.
2. Webster City Combustion Turbine is an electric service. This facility consists of one emission unit with potential emissions of:

<b>Pollutant</b>	<b>Abbreviation</b>	<b>Potential Emissions (Tons per Year)</b>
Particulate Matter ( $\leq 2.5 \mu\text{m}$ )	PM <sub>2.5</sub>	81.54
Particulate Matter ( $\leq 10 \mu\text{m}$ )	PM <sub>10</sub>	81.54
Particulate Matter	PM	80.68
Sulfur Dioxide	SO <sub>2</sub>	67.03
Nitrogen Oxides	NO <sub>x</sub>	932.88
Volatile Organic Compounds	VOC	0.54
Carbon Monoxide	CO	64.16
Lead	Lead	0.08
Hazardous Air Pollutants <sup>(1)</sup>	HAP	1.73

<sup>(1)</sup> May include the following: Arsenic Compounds, Benzene, Beryllium Compounds, 1,3-Butadiene, Cadmium Compounds, Chromium Compounds, Formaldehyde, Manganese Compounds, Mercury Compounds, Naphthalene, Nickel, Phosphorus, Selenium, and Sulfuric Acid Mists.

3. Webster City Combustion Turbine submitted a Title V Operating Permit renewal application on November 22, 2023 and any additional information describing the facility on March 14, 2024. Based on the information provided in these documents, DNR has made an initial determination that the facility meets all the applicable criteria for the issuance of an operating permit specified in 567 IAC 24.107.
4. DNR has complied with the procedures set forth in 567 IAC 24.107, including those regarding public notice, opportunity for public hearing, and notification of EPA and surrounding state and local air pollution programs.

---

DNR procedures for reaching a final decision on the draft permit:

1. The public comment period for the draft permit will run from June 20, 2024 through July 20, 2024. During the public comment period, anyone may submit written comments on the permit. Mail signed comments to Emilie Peterson at the DNR address shown below. The beginning date of this public comment period also serves as the beginning of the U.S. Environmental Protection Agency's (EPA) 45-day review period, provided the EPA does not seek a separate review period.
2. Written requests for a public hearing concerning the permit may also be submitted during the comment period. Any hearing request must state the person's interest in the subject matter, and the nature of the issues proposed to be raised at the hearing. DNR will hold a public hearing upon finding, on the basis of requests, a significant degree of relevant public interest in a draft permit. Mail hearing requests to Emilie Peterson at the DNR address shown below.
3. DNR will keep a record of the issues raised during the public participation process, and will prepare written responses to all comments received. The comments and responses will be compiled into a responsiveness summary document. After the close of the public comment period, DNR will make a final decision on the renewal application. The responsiveness summary and the final permit will be available to the public upon request.

Emilie Peterson  
Iowa Department of Natural Resources - Air Quality Bureau  
6200 Park Ave  
Ste #200  
Des Moines, Iowa 50321  
Phone: (515) 725-9548  
E-mail: Emilie.Peterson@dnr.iowa.gov

---

DNR concludes that:

1. DNR has authority under 455B.133 Code of Iowa to promulgate rules contained in 567 IAC Chapters 21-33, including, but not limited to, rules containing emission limits, providing for compliance schedules, compliance determination methods and issuance of permits.
2. DNR has the authority to issue operating permits for air contaminant sources and to include conditions in such permits under 455B.134 Code of Iowa.
3. The emission limits included in this permit are authorized by 455B.133 Code of Iowa and 567 IAC Chapters 21-33.
4. DNR is required to comply with 567 IAC Chapter 24 in conjunction with issuing a Title V Operating Permit.
5. The issuance of this permit does not preclude the DNR from pursuing enforcement action for any violation.

## Title V Permit Writer Review Notes

Webster City Combustion Turbine (formerly, Webster Diesel Combustion Turbine)  
309 3rd Street  
Webster City, Iowa 50595  
EIQ #: 92-5367  
Facility Number: 40-01-003  
Permit Writer: Emilie Peterson

Webster City Combustion Turbine is renewing their Title V Operating Permit. Permit application was received November 22, 2023. A compliance inspection of the facility was performed by the field office on December 2, 2021. At the time of the inspection, the facility was found to be in material compliance with the applicable air regulations. The facility is subject to Title V; major stationary source with a Potential to Emit 100 tpy or more of any air pollutant (NOx). Facility contains one emission point and three insignificant units with the Potential to Emit:

Pollutant	Abbreviation	Potential Emissions (Tons per Year)
Particulate Matter ( $\leq 2.5 \mu\text{m}$ )	PM <sub>2.5</sub>	81.54
Particulate Matter ( $\leq 10 \mu\text{m}$ )	PM <sub>10</sub>	81.54
Particulate Matter	PM	80.68
Sulfur Dioxide	SO <sub>2</sub>	67.025
Nitrogen Oxides	NO <sub>x</sub>	932.88
Volatile Organic Compounds	VOC	0.54
Carbon Monoxide	CO	64.17
Lead	Lead	0.08
Hazardous Air Pollutants <sup>(1)</sup> (Total)	HAP	1.73

<sup>(1)</sup> May include the following: Arsenic Compounds, Benzene, Beryllium Compounds, 1,3-Butadiene, Cadmium Compounds, Chromium Compounds, Formaldehyde, Manganese Compounds, Mercury Compounds, Naphthalene, Nickel, Phosphorus, Selenium, and Sulfuric Acid.

40 CFR 60 Subpart GG – Standards of Performance for Stationary Gas Turbines - Facility is not subject as it was constructed prior to October 3, 1977. Turbine has **not** been modified or reconstructed.

40 CFR 60 Subpart KKKK – Standards of Performance for Stationary Combustion Turbines – Facility is **not** subject as it was constructed prior to February 18, 2005. Turbine has also not been modified or reconstructed.

40 CFR 63 Subpart YYYY – National Emission Standards for Hazardous Air Pollutants for Stationary Combustion Turbines – Facility is **not** subject as it is not a major source of HAPs.

### Carbon Regulations for Existing Power Plants

40 CFR 60 Subpart TTTT – Standards of Performance for Greenhouse Gas Emissions for Electric Generating Units (This facility is of the source category but **not** subject because facility did not commence construction after January 8, 2014 or commence reconstruction after June 18, 2014.)

On June 19, 2019 the U.S. Environmental Protection Agency finalized the Affordable Clean Energy (ACE) rule which established emission guidelines for states to develop plans to address greenhouse gas emissions from existing coal-fired power plants. The ACE rule replaced the 2015 Clean Power Plan, which EPA repealed in the same action.

On January 19, 2021, the D.C. Circuit vacated the ACE rule and remanded it back to EPA. On April 25, 2024, EPA repealed the ACE rule and finalized new emission guidelines (40 CFR 60 Subpart UUUUa) for existing fossil fuel-fired steam generating units. The DNR has two years to submit a state plan to EPA to implement the UUUUa regulations. EPA did not take final action on the May 2023 proposed emission guidelines for existing combustion turbines (40 CFR 60 Subpart UUUUb).

### Changes to Permit (Renewal 5)

Responsible Official updated

Updated General Conditions

Comments received during Public Comment Period: