

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) 22.107(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. Precision Tank and Equipment Company, located at 2280 16th Avenue North, Humboldt, Iowa 50548 has applied to renew their Title V Operating Permit. The designated responsible official of this facility is Michael Zeitler.
2. Precision Tank and Equipment Company is a stainless steel and fiberglass tank manufacturer for the agriculture industry. This facility consists of 7 emission units with potential emissions of:

Pollutant	Abbreviation	Potential Emissions (Tons per Year)
Particulate Matter ($\leq 2.5 \mu\text{m}$)	PM _{2.5}	9.91
Particulate Matter ($\leq 10 \mu\text{m}$)	PM ₁₀	9.91
Particulate Matter	PM	9.91
Sulfur Dioxide	SO ₂	0
Nitrogen Oxides	NO _x	0
Volatile Organic Compounds	VOC	128.78
Carbon Monoxide	CO	0
Lead	Lead	0
Hazardous Air Pollutants ⁽¹⁾	HAP	99.05

⁽¹⁾ May include the following: Styrene, Dimethyl Phthalate, Cumene, Acetophenone, Methyl Methacrylate, Methanol, Manganese, Cobalt, Nickel, Chromium.

3. Precision Tank and Equipment Company submitted a Title V Operating Permit renewal application on April 20, 2020 and additional information describing the facility on July 16, 2020. 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 22.107.
4. DNR has complied with the procedures set forth in 567 IAC 22.107, 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 October 1, 2020 through October 31, 2020. During the public comment period, anyone may submit written comments on the permit. Mail signed comments to Taylor Dailey 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 Taylor Dailey 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.

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DNR concludes that:

1. DNR has authority under 455B.133 Code of Iowa to promulgate rules contained in 567 IAC Chapters 20-35, 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 20-35.
4. DNR is required to comply with 567 IAC Chapter 22 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 Notes – Renewal 1

Applicant:	Precision Tank & Equipment Company
SIC Code:	3089 (Plastics Products, Not Produced Elsewhere)
City:	Humboldt
County:	Humboldt
EIQ#:	92-6980
Facility#:	46-01-034
Permit #:	15-TV-011-R1
Reviewer:	Taylor Dailey
Date:	August 18, 2020

Facility Identification

Facility Name:	Precision Tank & Equipment Company
Facility Location:	2280 16 th Avenue North, Humboldt, Iowa 50548
Responsible Official:	Mr. Mike Zeitler
Phone:	217-452-7228

Background:

The facility has applied for a renewal to their Title V Operating Permit under 567 IAC 22.105(1). The facility consists of 7 significant emission units and 6 insignificant emission unit groupings.

Regulatory Status:

Table 1. Title V Major Source by pollutant

Pollutant	Major for Title V?
PM ₁₀	<input type="checkbox"/>
SO ₂	<input type="checkbox"/>
NO _x	<input type="checkbox"/>
VOC	<input checked="" type="checkbox"/>
CO	<input type="checkbox"/>
Lead	<input type="checkbox"/>
Individual HAP	<input checked="" type="checkbox"/>
Total HAPs ¹	<input checked="" type="checkbox"/>

¹ May include the following: Styrene, Methyl Methacrylate, Methanol, Dimethyl Phthalate, Cumene, Acetophenone, Manganese, Cobalt, Nickel, Chromium

- Program Applicability:
 - ✓ NSPS: 40 CFR Part 63 Subpart WWWW

Construction Permits:

A description of emission units included in this Title V Operating Permit and their construction permits are listed in Table 2.

Table 2. List of construction permits for each unit.

Emission Point Number	Emission Unit Number	Emission Unit Description	DNR Construction Permit Number
EP-1	EU-1	Filament Winding Tank Fabrication	13-A-317-S3
	EU-3	Final Tank Assembly	
EP-2	EU-2	Tank End Cap Lay-Up	13-A-318-S3
EP-3	EU-4a	Resin Tank – 6,000 gallons	13-A-319
	EU-4b	Resin Tank – 6,000 gallons	
	EU-4c	Resin Tank – 6,000 gallons	
EP-5	EU-5	GMAW Welders – Maximum of 6	15-A-192-S1

Insignificant Activities:

The insignificant emission units are included in this Title V Operating Permit and also listed in Table 3.

Table 3. List of insignificant emission units

Insignificant Emission Unit Number	Insignificant Emission Unit Description
EU-6	Plasma Cutter
EU-7	Organic Degreaser
EU-8	Tank End Cap Finishing Room
EU-9	5.2 MMbtu/hr air make-up Unit
EU-10	Six 150,000 btu/hr radiant heaters
EU-11	Two 75,000 btu/hr radiant heaters

Emission Estimates:

Potential Emissions:

Table 4. Potential Emission for Precision Tank & Equipment Company

PM _{2.5} (tpy)	PM ₁₀ (tpy)	PM (tpy)	SO ₂ (tpy)	NO _x (tpy)	VOC (tpy)	CO (tpy)	Lead (Pb)	Total HAPs (tpy)
9.91	9.91	9.91	0	2.23	128.78	1.88	0.0	99.05

Specific Comments

- EP-1
 - The associated emission units are EU-01 and EU-03
 - EU-01 is Filament Winding Tank Fabrication using resin, gelcoat, and catalyst.
 - EU-03 is the hand application of fiberglass for Final Tank Assembly.
 - Control Equipment for these emission units are CE-01: Dry Filters
 - These emission units are subject to 40 CFR 63 Subpart WWWW.
 - The facility claims 100% transfer on their calculations form.
 - An Agency Operation & Maintenance Plan is required.
- EP-2
 - The associated emission unit is EU-02.
 - EU-02 is the Tank End Cap Lay-up using resin, gelcoat, and catalyst.
 - Control Equipment for this emission unit is CE-02 Dry Filters.
 - This emission unit is subject to 40 CFR 63 Subpart WWWW.
 - An Agency Operation & Maintenance Plan is required.
- EP-3
 - The associated emission units are EU-04a, EU-04b, EU-04c.
 - The associated emission units are three 6,000 gallon resin tanks.
 - No emission units are required at this time.
 - These emission units are subject to 40 CFR 63 Subpart WWWW.
- EP-5
 - The associated emission unit is EU-05
 - EU-05 is composed of GMAW welders, maximum of 6
 - Control Equipment for this emission unit is CE-05 Cartridge Filters
 - A Facility Maintained Operation & Maintenance Plan is required.

=====END OF NOTES=====