Iowa Department of Natural Resources
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. NuStar Pipeline Operating Partnership L.P. – Rock Rapids Terminal, located at 3025 Iowa 9 South, Rock Rapids, Iowa 51246 has applied to renew their Title V Operating Permit. The designated responsible official of this facility is Mr. Bill Fogarty.
2. NuStar Pipeline–Rock Rapids Terminal is a Refined Petroleum Pipeline (SIC 4613). This facility consists of eight emission units with potential emissions of:

<table>
<thead>
<tr>
<th>Pollutant</th>
<th>Abbreviation</th>
<th>Potential Emissions (Tons per Year)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Particulate Matter (≤ 2.5 μm)</td>
<td>PM$_{2.5}$</td>
<td>0.00</td>
</tr>
<tr>
<td>Particulate Matter (≤ 10 μm)</td>
<td>PM$_{10}$</td>
<td>0.00</td>
</tr>
<tr>
<td>Particulate Matter</td>
<td>PM</td>
<td>0.00</td>
</tr>
<tr>
<td>Sulfur Dioxide</td>
<td>SO$_2$</td>
<td>0.00</td>
</tr>
<tr>
<td>Nitrogen Oxides</td>
<td>NO$_x$</td>
<td>0.00</td>
</tr>
<tr>
<td>Volatile Organic Compounds</td>
<td>VOC</td>
<td>237.50</td>
</tr>
<tr>
<td>Carbon Monoxide</td>
<td>CO</td>
<td>0.00</td>
</tr>
<tr>
<td>Lead</td>
<td>Lead</td>
<td>0.00</td>
</tr>
<tr>
<td>Hazardous Air Pollutants$^{(1)}$</td>
<td>HAP</td>
<td>2.34</td>
</tr>
</tbody>
</table>

(1) May include the following: 2,2,4-Trimethylpetane, Benzene, Cumene, Ethylbenzene, Toluene, Hexane, and Xylene (mixed isomers).

3. NuStar Pipeline–Rock Rapids Terminal submitted a Title V Operating Permit renewal application on July 6, 2021. 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.
IDNR procedures for reaching a final decision on the draft permit:

1. The public comment period for the draft permit will run from August 11, 2022 through September 10, 2022. 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. During this time, anyone may submit written comments on the permit. Mail signed comments to Taylor Dailey at the DNR address shown below.

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, IDNR 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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Iowa Department of Natural Resources  
Air Quality Bureau  
502 East 9th Street  
Des Moines, Iowa 50309  
Phone: (515) 725-9539  
E-mail: Taylor.Dailey@dnr.iowa.gov

IDNR concludes that:

1. IDNR has authority under 455B.133 Code of Iowa to promulgate rules contained in 567 IAC Chapters 20-31, including, but not limited to, rules containing emission limits, providing for compliance schedules, compliance determination methods and issuance of permits.

2. IDNR 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 20-31.

4. IDNR 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 IDNR from pursuing enforcement action for any violation.
Title V Application Review Notes R4

Applicant: NuStar Pipeline Operating Partnership L.P. – Rock Rapids Terminal
SIC Code: 4613 (Refined Petroleum Pipelines)
City: Rock Rapids
County: Lyon, Field Office #3
EIQ#: 92-2946
Facility#: 60-01-012
Permit #: Iowa Department of Natural Resources
Reviewer: Taylor Dailey
Date: 8/8/2022

Facility Identification

Facility Name: Iowa DNR - Air Quality
Facility Location: 3025 Iowa 9 South, Rock Rapids, IA 51246
Responsible Official: Mr. Bill Fogarty
Phone: (316) 721-7066

The Part 70 Title V Operating Permit for Iowa DNR - Air Quality. The facility is a Refined Petroleum Pipeline (SIC 4613) and Transportation Services, nec (SIC 4789) station. The Iowa DNR - Air Quality has 8 significant emission units and 8 insignificant emission units.

Title V Major Source Status by Pollutant:

<table>
<thead>
<tr>
<th>Pollutant</th>
<th>Major for Title V?</th>
</tr>
</thead>
<tbody>
<tr>
<td>PM$_{10}$</td>
<td>☐</td>
</tr>
<tr>
<td>SO$_2$</td>
<td>☐</td>
</tr>
<tr>
<td>NO$_x$</td>
<td>☐</td>
</tr>
<tr>
<td>VOC</td>
<td>☒</td>
</tr>
<tr>
<td>CO</td>
<td>☐</td>
</tr>
<tr>
<td>Lead</td>
<td>☐</td>
</tr>
<tr>
<td>Individual HAP</td>
<td>☐</td>
</tr>
<tr>
<td>Total HAPs</td>
<td>☐</td>
</tr>
</tbody>
</table>

HAPs include 2,2,4-Trimethylpentane, Benzene, Cumene, Ethylbenzene, Hexane, Toluene, and Xylene.

The following amendments have been made to the Title V permit:

1. TV Permit number has been updated to Iowa Department of Natural Resources.
2. The Responsible Official and Permit Contacts have checked and updated.
3. Table of Contents page numbers updated and Appendix details updated.
4. Facility Description and Equipment List updated.
5. Plant Wide conditions and the General Conditions were updated to reflect current standards.
6. NSPS requirements were added for subparts A and Kb. NESHAP subparts R and BBBBBB were updated.
7. Appendices updated to include 40 CFR 60 Subpart A, 40 CFR 60 Subpart Kb, and 40 CFR 63 Subpart A. For all relevant subparts (including 40 CFR 63 BBBBBB), the links to the electronic code of federal regulations has been updated.
8. The previous permit contained requirements form 40 CFR 63 Subpart R. This facility is considered to be an area source of HAP's based on the PTE so it is not subject to Subpart R as this subpart only applies to major HAP sources. All references to Subpart R have been removed from the permit.

**Emission Point – Specific Conditions Changes**

9. **EP-01 (pp. 11-14) Loading Racks:**
   - Updated the operational limits and requirements to be up to date with the most recent construction permit (15-A-397) as the unit was previously grandfathered. Also added were emission point characteristics from the construction permit.
   - NSPS and NESHAP.
10. **EP-02 and EP-03 (Tanks 01-18 and 01-19), Horizontal Fixed Roof Tanks:**
    - Units were permanently removed from service and from the permit.
11. **EP-04 Tank 03-01, Internal Floating Roof Tank:**
    - Added Construction Permit 20-A-259 and updated the Operating Limits and Requirements Section
    - Updated NESHAP Subpart BBBBBB requirements and included the relevant table for operational limits and requirements when in gasoline service.
12. **EP-05 Tank 03-02, Internal Floating Roof Tank:**
    - Updated the Raw material from Gasoline, Oil, Interface to Gasoline, Interface, Distillate.
    - Updated NESHAP Subpart BBBBBB requirements and included the relevant table for operational limits and requirements when in gasoline service.
13. **EP-09 Tank 55-13, External Floating Roof Tank:**
    - Added raw material Interface to the list, now reading Gasoline, Interface, Distillate.
    - Updated NESHAP Subpart BBBBBB requirements and included the relevant table for operational limits and requirements when in gasoline service.
    - Updated the emission unit description as the unit was previously an external floating roof tank, but with the most recent construction permit, the unit was converted to an internal floating roof tank.
    - Added interface to the raw material/fuel and 53,608 barrels to the rated capacity description.
    - Updated the operational limits and requirements to be up to date with the most recent construction permit (15-A-396) as the unit was previously grandfathered.
• Added NSPS applicability for NSPS subparts A and Kb.
• Updated NESHAP Subpart BBBBBB requirements and included the relevant table for operational limits and requirements when in gasoline service.

15. EP-18 Fugitive Emissions:
• Added in NESHAP Subpart BBBBBB requirements and included the relevant language for operational limits and requirements when in gasoline service.

16. EU-10 and EU-13 Distillate Fixed Roof Storage Tanks
• Units were moved from Insignificant List to the Equipment List

**Emission Estimations**

**Emission Values**

<table>
<thead>
<tr>
<th></th>
<th>PM</th>
<th>PM$_{10}$</th>
<th>PM$_{2.5}$</th>
<th>SO$_{2}$</th>
<th>NO$_{x}$</th>
<th>VOC</th>
<th>CO</th>
<th>Lead</th>
<th>Total HAPs</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
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<td></td>
<td></td>
<td></td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Value</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>237.50</td>
<td>0</td>
<td>0</td>
<td>2.34</td>
</tr>
</tbody>
</table>

**Applicable Rules and Regulations**
1. Facility Wide Opacity: No more than 40%. 567--IAC 23.3(2)"d".
2. Facility Wide SO$_{2}$: 500 parts per million by volume. 567--IAC 23.3(3)"e"
3. Title IV: Not applicable at this time.
4. Subject to 112(r) Prevention of Accidental Releases? Yes
5. PSD: minor PSD source.
6. NAAQS: Attainment area.
7. Stratospheric ozone: Not applicable at this time.

8. NSPS:
   40 CFR 60 Subpart Kb
   This facility is subject to NSPS subpart Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984. The affected units are EP-11. Applicable requirements are incorporated in the emission point specific conditions.

9. NESHAP:
   40 CFR 63 Subpart BBBBBB
   This facility is subject to NESHAP subpart BBBBBB - National Emission Standards for Hazardous Air Pollutants for Source Category: Gasoline Distribution Bulk Terminals, Bulk Plants, and Pipeline Facilities. The affected sources are gasoline storage tanks, gasoline loading racks, vapor collection-equipped cargo tanks, and equipment components in vapor or liquid gasoline service.