

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. North Central Iowa Regional Solid Waste Agency Sanitary Landfill, located at 2240 South 22nd Street, Fort Dodge, IA 50501, has applied to renew their Title V Operating Permit. The designated responsible official of this facility is Jason Potts.
2. North Central Iowa Regional Solid Waste Agency Sanitary Landfill is a regional landfill. This facility consists of 1 emission unit with potential emissions of:

Pollutant	Abbreviation	Potential Emissions (Tons per Year)
Particulate Matter ($\leq 2.5 \mu\text{m}$)	PM _{2.5}	0
Particulate Matter ($\leq 10 \mu\text{m}$)	PM ₁₀	0
Particulate Matter	PM	0
Sulfur Dioxide	SO ₂	0
Nitrogen Oxides	NO _x	0
Volatile Organic Compounds	VOC	9.90
Carbon Monoxide	CO	2.19
Lead	Lead	0
Hazardous Air Pollutants ⁽¹⁾	HAP	5.58

⁽¹⁾ May include the following: See application.

3. North Central Iowa Regional Solid Waste Agency Sanitary Landfill submitted a Title V Operating Permit renewal application on July 12, 2024 and any additional information describing the facility on February 18, 2025. 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 March 13, 2025 through April 12, 2025. During the public comment period, anyone may submit written comments on the permit. Mail signed comments to Zane Peters 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 Zane Peters 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 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 Application Review Notes

Applicant:	North Central Iowa Regional Solid Waste Agency Sanitary Landfill
SIC Code:	4953
City:	Fort Dodge
County:	Webster
EIQ#:	92-6846
Facility#:	94-01-079
Permit #:	Renewal 1
Reviewer:	Zane Peters
Date:	2/12/2025

Facility Identification

Facility Name:	North Central Iowa Regional Solid Waste Agency Sanitary Landfill
Facility Location:	2240 South 22nd Street
Responsible Official:	Nicholas Myers
Phone:	515-955-2781

Background:

North Central Iowa Regional Solid Waste Agency Sanitary Landfill located at 2240 South 22nd Street, Fort Dodge, Iowa has applied for the first renewal Title V Operating Permit. The total landfill capacity is 3,247,469 megagrams as defined by the current DNR Construction Permit. Facility consists of one (1) significant emission unit.

Title V Applicability

According to 567 IAC 24.101(1)"c" this landfill is required to obtain a Title V Operating Permit because it is subject to 40 CFR Part 60 Subpart XXX, the New Source Performance Standard for municipal solid waste landfills that commenced construction, reconstruction, or modification after July 17, 2014. Any source required to obtain a Title V operating permit solely because of an NSPS requirement, and which is not a major source, is required to obtain a Title V permit only for the emission units and related equipment causing the source to be subject to the Title V program. At this facility, the only emission unit causing the source to be subject to the Title V program is the landfill. Other emission units not included in the Title V Permit may be present at this facility.

Program Applicability:

- Major for PSD: No
- NSPS: Yes
 - 40 CFR 60 Subpart XXX - Standard of Performance for Municipal Solid Waste Landfills that Commenced Construction, Reconstruction or Modification after July 17, 2014
- 40 CFR Part 61 NESHAP: No
- NESHAP: No
- Major Source of HAPs: No
- Acid Rain: No.
- Stratospheric Ozone Protection: No.
- Prevention of Accidental Releases: No.

Emission Point Comments

This landfill is subject to 40 CFR 60 Subpart XXX as it is a Municipal Solid Waste Landfill (MSWL) in which construction, reconstruction, or modification was made after July 17, 2014. This landfill has a maximum capacity of 3,247,469 Megagrams per construction permit 11-A-243-S2. Facility was previously subject to 40 CFR 60 Subpart WWW. Design capacity, at that time, was below 2,500,000 Megagrams therefore was not subject to Title V requirement.

This MSW landfill is of the source category subject to NESHAP Subpart AAAA (*National Emission Standards for Hazardous Air Pollutants: Municipal Solid Waste Landfills*); 40 CFR §63.1930 – 40 CFR §63.1990. Facility is not subject at this time. NCIRSWA is an area source landfill with a design capacity greater than 2.5 million megagrams but has an uncontrolled emission rate of less than 50 megagrams/year based on Tier 2 study results.

Changes Since the Last Issuance

General Changes

- Permit number and relevant permitting dates updated
- Responsible Official and Permit contact updated (pp. 1)
- Supervisor of Air Operating Permits Section updated (pp. 1)
- General Conditions updated (pp. 10-22)
- Appendix B: Executive Order 10 Rules Crosswalk added (pp. 24)
- Rule references updated in accordance with Executive Order 10

Emission Point-Specific Changes

- EP-1 – Rated capacity and Operating Requirements updated in accordance with DNR Construction Permit 11-A-243-S2 (pp. 7-9)

Stack Testing

None at this time.

Periodic Monitoring/CAM

All periodic monitoring requirements are in accordance with the Department's Periodic Monitoring Guidance Document.

Periodic Monitoring is not required at this time. The single emission point does not have any control equipment, so CAM does not apply.

Emissions Calculations

The potential emissions were calculated using the Landfill Gas Emissions Model (LandGEM) Version 3.02 and associated EPA LandGEM Version 3.02 User's Guide. When using LandGEM to determine the potential emissions for the landfill, the model parameters should be set to "Inventory Conventional". The highest emissions year (model determined closure year) is considered the potential of the landfill. LandGEM estimated the closure year of the landfill as 2055.

Total HAPs for Potentials and Actuals are based on the 186 HAPs listed from EPA. Methyl Ethyl Ketone was removed from the list in December 2005.