Introduction

On November 5, 2018, the North Dakota Department of Environmental Quality (Department) received a permit application for a renewal for the City of Ellendale’s transfer station.

The City of Ellendale currently owns and operates a transfer station, regulated under Permit 0014 on approximately 3.9 acres located in the SW1/4 of Section 1, Township 129 North, Range 63 West) in Dickey County, ND. The City of Ellendale is proposing to renew their permit to continue their operations. The facility was first permitted in 1998.

Design

The facility is adjacent to the closed municipal solid waste landfill, closed inert waste landfill and the active inert waste landfill (Permit 0186). The former transfer station building was deemed unsafe on July 13, 2001. The transfer station operated out of a temporary building site until the new building was completed in the spring of 2002. The building was designed exclusively for the transfer of trash from the city to over the road truck trailers. It is the only building on the site.

Operation

The City of Ellendale contracts all of the garbage duties and copies of the contracts were included in the permit application. Thorpe Excavating (Permit WH-2023) picks up the local garbage. Storbakken Sanitation (WH-0892) hauls the waste from the transfer station to the WM – Big Dipper Landfill (Permit 0257) located near Gwinner, ND.

The Plan of Operation for the transfer station describes how the facility operates. The transfer station only accepts putrescible wastes. The Plan of Operation includes contingency plans, a dust control plan, hours of operations, and a health and safety plan. In addition, there is record keeping and reporting section as well as a waste removal schedule. The Plan of Operation also states that the facility will be inspected by the owner as well as the operator.
Closure

The building will be closed when it is no longer useable or when a new one is to be built in the vicinity. Since it has steel siding, a fair amount of the building would be recyclable. Upon closure of the facility, all waste will be removed and disposed of at a permitted landfill.

Compliance History

No items of noncompliance have been noted since the previous permit renewal. No formal notices of violations have been issued to the facility.

Solid Waste Management Rules (NDAC Article 33.1-20)

NDAC Section 33.1-20-02.1-05. Record of notice.

A record of notice is not required for transfer stations.

NDAC Section 33.1-20-02.1-06. Property rights.

The permit application included a copy of a Quit Claim Deed that shows the City of Ellendale as the owner of the property.

NDAC Section 33.1-20-03.1-01. Preapplication procedures.

A preapplication is not required for transfer stations.

NDAC Section 33.1-20-03.1-02. Permit application procedures.

NDAC Subsections 33.1-20-03.1-02(1) – (3)

A permit application and supporting documents were submitted to the Department on November 5, 2018.

NDAC Subsection 33.1-20-03.1-02(4)

A public notice by the facility is not required for a permit renewal and no major modifications are being proposed.

NDAC Subsection 33.1-20-03.1-02(5)

Notification to the North Dakota Public Service Commission is not required as the facility is not proposing to dispose of coal processing wastes in a mining permit area.
NDAC Subsection 33.1-20-03.1-02(6)

Applications for a solid waste management unit or facility permit must include the following information where applicable:

a. A completed application form, subsection 1;

A permit application and supporting documents were submitted to the Department on November 5, 2018.

b. A description of the anticipated physical and chemical characteristics, estimated amounts, and sources of solid waste to be accepted, including the demonstration required by North Dakota Century Code section 23.1-08-14;

The facility accepts only municipal solid waste for transfer to a permitted municipal solid waste landfill.

c. The site characterization of section 33.1-20-13-01 and a demonstration that the site fulfills the location standards of section 33.1-20-04.1-01;

The original permit application, including extensive site reviews, underwent a comprehensive review by various regulatory agencies in 1998. A review by the North Dakota Geological Survey in 1980 found subsurface material to be composed of mainly clay-rich glacial tills with thin discontinuous sand lenses. The composition appeared to be well suited for a transfer station.

d. Soil survey and segregation of suitable plant growth material;

The requirements of this section are not applicable as the facility is a transfer station and is not proposing any disposal activities.

e. Demonstrations of capability to fulfill the general facility standards of section 33.1-20-04.1-02;

The permit application included a Plan of Operations. The Plan of Operations includes information on the following:

- Waste acceptance plan
- Contingency plan
- Dust control
- Hours of operation
- Health and safety plan
- Facility self-inspections
- Recordkeeping and reporting
- Waste removal schedule
f. Facility engineering specifications adequate to demonstrate the capability to fulfill performance, design, and construction criteria provided by this article and enumerated in this subdivision;

1) Transfer stations and drop box facilities, section 33.1-20-04.1-06.

The building was designed exclusively for the transfer of trash from the city to over the road truck trailers. The City of Ellendale contracts all of the garbage duties and copies of the contracts were included in the permit application. Thorpe Excavating (Permit WH-2023) picks up the local garbage. Storbakken Sanitation (WH-0892) hauls the waste from the transfer station to the WM - Big Dipper Landfill (Permit 0257) located near Gwinner, ND. The permit application included a Plan of Operations. The Plan of Operations includes information on the following:

- Waste acceptance plan
- Contingency plan
- Dust control
- Hours of operation
- Health and safety plan
- Facility self-inspections
- Recordkeeping and reporting
- Waste removal schedule


The requirements of this section are not applicable as the facility is not proposing to manage any waste piles.

3) Resource recovery, section 33.1-20-04.1-08.

The requirements of this section are not applicable as the facility is not proposing any resource recovery activities.

4) Land treatment, section 33.1-20-04.1-09 and chapter 33.1-20-09.

The requirements of this section are not applicable as the facility is not proposing a land treatment facility.

5) Non-CCR surface impoundments, section 33.1-20-04.1-09 and chapter 33.1-20-08.1.

The requirements of this section are not applicable as the facility is not proposing any surface impoundments.
6) Any disposal, section 33.1-20-04.1-09.

The requirements of this section are not applicable as the facility is not proposing any disposal activities.

7) Inert waste landfill, chapter 33.1-20-05.1.

The requirements of this section are not applicable as the facility is not proposing an inert waste landfill.

8) Municipal waste landfill, chapter 33.1-20-06.1.

The requirements of this section are not applicable as the facility is not proposing a municipal waste landfill.

9) Industrial waste landfill, chapters 33.1-20-07.1 or 33.1-20-10.

The requirements of this section are not applicable as the facility is not proposing an industrial waste landfill.

10) TENORM waste landfill, chapters 33.1-20-07.1 or 33.1-20-10 and 33.1-20-11

The requirements of this section are not applicable as the facility is not proposing a TENORM waste landfill.

11) Special waste landfill, chapter 33.1-20-07.1;

The requirements of this section are not applicable as the facility is not proposing a special waste landfill.

12) CCR unit, chapter 33.1-20-08;

The requirements of this section are not applicable as the facility is not proposing a CCR unit.

13) Municipal solid waste ash landfills, chapter 33.1-20-10;

The requirements of this section are not applicable as the facility is not proposing a municipal solid waste ash landfill.

14) Regulated infectious waste unit, chapter 33.1-20-12;

The requirements of this section are not applicable as the facility is not proposing a regulated infectious waste unit.

g. The plan of operation of section 33.1-20-04.1-03;

The permit application included a Plan of Operations. The Plan of Operations includes information on the following:

- Waste acceptance plan
- Contingency plan
- Dust control
• Hours of operation
• Health and safety plan
• Facility self-inspections
• Recordkeeping and reporting
• Waste removal schedule

h. Demonstration of the treatment technology of section 33.1-20-01.1-12;

The requirements of this section are not applicable as the facility is not proposing to treat waste.

i. The place where the operating record is or will be kept, section 33.1-20-04.1-04;

The operating record is kept at the City of Ellendale’s City Hall. In addition, portions are also kept at the City of Ellendale’s City Shop.

j. Demonstration of capability to fulfill the groundwater monitoring, sections 33.1-20-08-06 or 33.1-20-13-02;

The requirements of this section are not applicable as the facility is a transfer station and groundwater monitoring is not required.

k. Construction quality assurance and quality control;

The requirements of this section are not applicable as the facility is a transfer station and is not proposing any disposal activities.

l. Demonstrations of capability to fulfill the closure standards, section 33.1-20.1-04.1-05 and otherwise provided by this article;

The building will be closed when it is no longer useable or when a new one is to be built in the vicinity. Since it has steel siding, a fair amount of the building would be recyclable. Upon closure of the facility, all waste will be removed and disposed of at a permitted landfill.

m. Demonstrations of capability to fulfill the postclosure standards, section 33.1-20-04.1-09 and otherwise provided by this article; and

The requirements of this section are not applicable as the facility is a transfer station and postclosure care is not required.

n. A disclosure statement as required by North Dakota Century Code section 23.1-08-17.

A disclosure statement that meets the requirements of this section was submitted to the Department on August 13, 2019.
Conclusion

Based on the submitted application and items discussed above, the City of Ellendale has shown that the renewal meets the requirements of the North Dakota Solid Waste Management Rules. It is proposed that the Department grant the City of Ellendale a permit with the conditions listed in Permit 0014. The proposed permit length is for a period of 8 years because the facility has not had any noncompliance issues since the previous permit renewal and due to the type of facility (transfer station), they are not required to submit any permit application processing fees.

CRH:DAT
Attachment