Introduction

On March 16, 2020, the North Dakota Department of Environmental Quality (Department) received a permit application for a renewal for the City of Jamestown’s transfer station (referred to the Baler Facility). A revised permit application was received on May 11, 2020.

The City of Jamestown currently owns and operates a transfer station (referred to the Baler Facility), regulated under Permit 0035, on approximately 92.96 acres (approximately 25 acres are usable for solid waste management activities) located in the NW1/2 of Section 5, Township 139 North, Range 63 West in Stutsman County, ND. The City of Jamestown is proposing to renew their permit to continue operating the Baler Facility. The facility was first permitted in 1997.

Design

The Baler Facility is a large building that includes a scale house and a baler for waste. There is also an area for household hazardous waste, waste oil and a scrap metal pile. Access to the site is in the northwest corner and includes a paved site access road that accommodates two-way traffic. The Baler Facility is fenced and has a gate with a sign at the entrance. Just outside of the fenced area is a wood waste pile and compost pile that is open to the public for drop off. The facility has access to a variety of equipment that are used in the operation of the facility such as collection vehicles, conveyor, baler, skid-steer loader, tractor, roll-off containers, trucks and front-end loader. In addition, the City of Jamestown owns other equipment that the facility can be used as needed such as motor graders and loaders.

Operation

The facility accepts a variety of wastes that are first weighed and then either disposed of at the City of Jamestown’s inert landfill (Permit 0192) or the City of Jamestown’s municipal solid waste landfill (Permit 0213), or temporarily stored for recycling.
Municipal solid waste is accepted for baling and then the bales are brought to the City of Jamestown’s municipal solid waste landfill (Permit 0213). Inert waste is accepted, and small amounts are placed in roll-off boxes that the City of Jamestown hauls to their inert landfill (Permit 0192). Larger amounts of inert waste are hauled by the generator to the City of Jamestown’s inert landfill (Permit 0192) after it has been weighed. Household hazardous waste, waste oil and scrap metal have separate collection areas at the facility. Yard waste and wood waste are dropped off at the compost pile and wood waste pile just outside the fenced area. The City of Jamestown also maintains other yard waste sites around the city for public drop-off.

Municipal solid waste that is accepted for baling is dumped on the tipping floor inside the Baler Facility and inspected. Metal is sorted out for recycling and prohibited waste is removed. The acceptable waste is pushed from the tipping floor onto the conveyor with a loader where it is baled and tied with wire. Bales are approximately 5 feet by 4 feet by 2.5 feet and weigh approximately 2,000 pounds or 1 ton. Bales are then loaded into a roll-off container via a skid-steer loader. A load consists of 8 to 10 bales and then the bales are trucked out to the City of Jamestown’s municipal solid waste landfill (Permit 0213) for disposal.

Wastes that cannot be baled such as inert waste and yard wastes are temporarily stored or disposed of in designated areas at the landfill. Yard wastes and wood wastes are collected right outside the entrance to the Baler Facility. Wood wastes are periodically ground with a tub grinder. Yard waste is composted and is used for daily cover at the landfill. The compost is not given away to the public. The City of Jamestown should strongly consider saving the compost for use as a soil amendment for closure projects.

There is a reuse room for household hazardous wastes that the public can utilize at the Baler Facility.

**Closure**

Upon closure of the facility, all waste materials will be removed and disposed of at a permitted facility.

**Compliance History**

The following items of noncompliance have been noted since 2015:

- During the May 5, 2021 inspection, the Department was notified that there would be significant changes to the composting operation including the size of the operation and that the City of Jamestown’s forester would be taking over the operation. No further information was provided.
- 2021 Annual Report not received

The 2021 annual report has been received and the City of Jamestown is working with the Department to address the changes to the compost operation. 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.

A search of the property tax records for Stutsman County shows that the City of Jamestown owns 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 revised permit application and supporting documents were submitted to the Department on May 11, 2020.

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 revised permit application and supporting documents were submitted to the Department on May 11, 2020.

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 Operations Plan includes waste acceptance for the Baler Facility. The Baler Facility accepts municipal solid waste, inert waste, yard waste, wood waste, household hazardous waste, waste oil and scrap metals.
Municipal solid waste is baled and then the bales are brought to the City of Jamestown's municipal solid waste landfill (Permit 0213). Small amounts of inert waste are placed in roll-off boxes that the City of Jamestown hauls to their inert landfill (Permit 0192). Larger amounts of inert waste are hauled by the generator to the City of Jamestown’s inert landfill (Permit 0192). Household hazardous waste, waste oil and scrap metal have separate collection areas at the facility. Yard waste and wood waste are dropped off at the compost pile and wood waste pile just outside the fenced area.

The Operations Plan also included an industrial waste management plan that included procedures for accepting the following wastes:

- Empty pesticide containers
- Asbestos
- Spilled non-hazardous materials
- Rendering and slaughterhouse waste
- Combustible waste
- Paint residues, paint filters and paint dust
- Municipal lime sludge
- Fiberglass, urethane, polyurethane and epoxy resin waste
- Activated carbon

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

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;

An Operations Plan (revised May 2020) was submitted with the permit application that meets the requirements of the section. The Operations Plan is for the Baler Facility (Permit 0035) and the City of Jamestown’s Municipal Solid Waste Landfill (Permit 0213). For the Baler Facility, the plan includes the following sections:

- Baler Operations
- Site Access and Traffic Control
- Equipment, Operations and Maintenance
- Waste Acceptance
- Waste Acceptance and Rejection Procedures
- Waste Handling Procedures (General)
- Surface Water and Erosion Control
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 Baler Facility is a large building that includes a scale house and a baler for waste. There is also an area for household hazardous waste, waste oil and a scrap metal pile. Access to the site is in the northwest corner and includes a paved site access road that accommodates two-way traffic. The Baler Facility is fenced and has a gate with a sign at the entrance. Just outside of the fenced area is a wood waste pile and compost pile that is open to the public for drop off. The facility has access to a variety of equipment that are used in the operation of the facility such as collection vehicles, conveyor, baler, skid-steer loader, tractor, roll-off containers, trucks and front-end loader. In addition, the City of Jamestown owns other equipment that the facility can be used as needed such as motor graders and loaders.

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inert landfill (Permit 0192). Larger amounts of inert waste are hauled by the generator to the City of Jamestown's inert landfill (Permit 0192) after it has been weighed. Household hazardous waste, waste oil and scrap metal have separate collection areas at the facility. Yard waste and wood waste are dropped off at the compost pile and wood waste pile just outside the fenced area. The City of Jamestown also maintains other yard waste sites around the city for public drop-off.

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There is a reuse room for household hazardous wastes that the public can utilize at the Baler Facility.

2) **Waste piles, section 33.1-20-04.1-07.**

The facility maintains a yard waste pile and wood waste pile. An Operations Plan (revised May 2020) was submitted with the permit application that meets the requirements of the section. The Operations Plan is for the Baler Facility (Permit 0035) and the City of Jamestown's Municipal Solid Waste Landfill (Permit 0213). For the Baler Facility, the plan includes the following sections:

- Baler Operations
- Site Access and Traffic Control
- Equipment, Operations and Maintenance
- Waste Acceptance
- Waste Acceptance and Rejection Procedures
- Waste Handling Procedures (General)
- Surface Water and Erosion Control
• Windy Conditions
• Litter Control
• Vector Control
• Fire Protection
• Emergency Services
• Worker Safety
• Security
• Emergency
• Industrial Waste Management Plan
• Annual Report
• Personnel Training
• Compost Management
• Oil Leak/Spill Response Plan
• Air Quality/Odor Control
• Fugitive Dust
• Waste Screening Plan
• Contingency Emergency Plan
• Storm Water Pollution Best Management Practices Plan

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;

An Operations Plan (revised May 2020) was submitted with the permit application that meets the requirements of the section. The Operations Plan is for the Baler Facility (Permit 0035) and the City of Jamestown’s Municipal Solid Waste Landfill (Permit 0213). For the Baler Facility, the plan includes the following sections:

- Baler Operations
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- Fugitive Dust
- Waste Screening Plan
- Contingency Emergency Plan
- Storm Water Pollution Best Management Practices Plan

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 facility.

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;**

   Upon closure of the facility, all waste materials will be removed and disposed of at a permitted facility.
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 May 11, 2020.

Conclusion

Based on the submitted application and items discussed above, the City of Jamestown 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 Jamestown a permit with the conditions listed in Permit 0035. The proposed permit length is for a period of 8 years because the facility has not had many 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