

INTRADEPARTMENTAL MEMORANDUM

FILE: Beulah Waste Transfer Station (0024)

TO: Charles R. Hyatt, Director *CRH*
Division of Waste Management

THROUGH: Diana A. Trussell, Manager *DA*
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SUBJECT: Permit Application Review

DATE: April 7, 2025

Introduction

The North Dakota Department of Environmental Quality (Department) received a permit application for a renewal for the Beulah Waste Transfer Station, and waste pile facility.

The City of Beulah currently owns and operates a transfer station and waste pile facility, regulated under Permit 0024 on approximately 3.1 acres located in the Southeast 1/4 of Section 19, Township 144 North, Range 87 West in Mercer County, ND. The City of Beulah is proposing to renew their permit to continue operating a waste transfer station, and waste pile facility. The facility was first permitted in 1994.

Design

The Beulah Waste Transfer Station is located at 1729 Arikara Drive in Beulah. The property location is described as Lot Nine, Block One, Industrial Park to the City of Beulah. Access to the facility is controlled by a chain-link fence, and entrance/exit gates. An appropriate facility sign is posted near the entrance to the facility.

An enclosed building on the facility, and constructed on a concrete slab on grade, is used for protecting the municipal solid waste (MSW) tipping floor. From the tipping floor, MSW is transferred to a hopper and compacted into roll-off/compactor containers located on the lower level of the building. The garbage filled roll-off/compactor containers are transported to the Mercer County Regional Landfill (Permit 0337) for final disposal. Much of the household garbage generated by Beulah residents is placed at the curbside, picked up by the City of Beulah and transported directly to the Mercer County Regional Landfill (Permit 0337) for disposal.

Recyclables including tin, and aluminum cans, newspapers, telephone books, scrap metals, plastics, and cardboard are separated and stored within the building. A cardboard baler is located and operated within the building.

Several separate waste piles including an inert waste pile which consists mainly of large bulky furniture items, a scrap metal pile, a scrap tire pile, a wood and tree pile, a wood and tree ash pile, and a yard waste/compost pile are located on the facility property. Inert waste, scrap tires, wood and tree ash, and compost are transported for disposal and/or recycling to the Mercer County Regional Landfill (Permit 0337). Occasionally, small quantities of water treatment lime sludge are stockpiled at the facility and transported to the Mercer County Regional Landfill (Permit 0337) for disposal.

A floor drain for managing potential leachate is located on the lower level of the building and is plumbed into the City of Beulah publicly operated treatment works (POTW) system.

Operation

According to the Plan of Operation, vehicles hauling waste or recyclables to the facility will enter through the entrance gate, and then be directed to the appropriate off-load area depending on the type of waste or recyclable that is being delivered to the facility. Garbage will be dumped onto the tipping floor within the building. Bulky inert waste, such as upholstered furniture will be placed in the outdoor inert waste pile, major appliances and metal items will be placed in the outside scrap metal storage area, scrap tires will be placed in the outdoor tire pile, clean wood and trees will placed in the outside burn pile, yard waste including items like grass and leaves will be placed into the outdoor compost pile. Inert waste, scrap tires, wood and tree ash, and compost are transported for disposal and/or recycling to the Mercer County Regional Landfill (Permit 0337). Occasionally, small quantities of water treatment lime sludge are stockpiled at the facility and eventually transported to the Mercer County Regional Landfill (Permit 0337) for disposal.

Closure

According to the application, when the facility is closed, all waste will be removed.

Compliance History

The following items of noncompliance have been noted during Department inspections since 2013:

1. In 2022, an overhead electrical transmission line appeared to be located directly over a scrap tire pile.
2. In 2021, an overhead electrical transmission line appeared to be located directly over an inert waste pile, and scrap tire pile.
3. In 2018, trade waste (pallets) was observed in the burn pile. Pallets generated from industry and/or businesses cannot be burned and must be either recycled or disposed of in a permitted facility.

The above items of noncompliance have been appropriately addressed by the facility, and 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.

According to the application form submitted with the application information, the City of Beulah owns the property where the facility is located.

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)

An application for a solid waste management facility permit form and supporting documents were submitted. The application was signed by the Mayor of Beulah, the Public Works Foreman, and a registered professional engineer.

A print copy and an electronic copy of the application were provided to the Department.

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 completed application for a solid waste management facility permit form was submitted with the application.

- 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;**

According to the 2024 Annual Report, the facility accepted 149.54 tons of MSW, 306.40 tons of ashes, and 96.36 tons of inert waste. These wastes were transported to the Mercer County Regional Landfill (Permit 0337). The facility also accepted cardboard, appliances, scrap tires, trees, leaves, grass, garden residue, concrete, and asphalt concrete for beneficial reuse, recycling, or disposal.

- 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;**

According to the application, the facility location is not located within the flood plain. The facility is not in an area that would result in impacts to human health or environmental resources or in an area which is unsuitable because of reasons of topography, geology, hydrology, or soils.

- 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;**

Plans on how to control and reject (waste rejection form) unauthorized waste, and procedures on returning windblown trash to the permitted waste storage areas is described in the application.

- 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 requirements of this section are adequately addressed. Additional information can be found in the **Operation and g. The plan of operation of section 33.1-20-04.1-03** sections of this memo.

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

The requirements of this section are adequately addressed. Additional information can be found in the **Operation and g. The plan of operation of section 33.1-20-04.1-03** sections of this memo.

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 plan of operation addresses the list of acceptable, and unacceptable wastes at the facility. It also describes how wastes will be managed at the facility. The plan addresses contingencies for fire or explosions, and leaks. There is an inspection log described in the plan of operation and it is adequate.

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 application states that the City of Beulah will keep an operating record at the City Hall in Beulah, 120 Central Ave North, where the appropriate documents will be stored. The application also indicates that facility inspection logs, plan of operation, and documentation of training will be kept at the Beulah Public Works, 112 7th Street Northeast, in Beulah.

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;

No new construction is proposed in the application; therefore, this section is not applicable to an existing transfer station.

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

When the facility is closed, all waste will be removed according to the application.

- 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.**

An appropriate disclosure statement was submitted with the application.

Conclusion

Based on the submitted application and items discussed above, the City of Beulah 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 Beulah a permit with the conditions listed in Permit 0024. The proposed permit length is for a period of 10 years because this is a renewal, and the facility has not had major compliance issues.

CRH:DAT:BJT
Attachment