Pursuant to Chapter 23.1-08 of the North Dakota Century Code (NDCC), (Solid Waste Management and Land Protection Act), and Article 33.1-20 of the North Dakota Administrative Code (NDAC), (Solid Waste Management Rules), and in reliance on statements and representations heretofore made by the owner or owner's representative designated below, a permit is hereby issued authorizing such Permittee (Permittee) to construct and operate a solid waste management facility at the designated location under any and all conditions.

A. Owner/Operator (Permittee):
   1. Name: Dakota Gasification Company – Great Plains Synfuels Plant
   2. Mailing Address: 420 County Road 26, Beulah, ND 58523
   3. Location Address: 420 County Road 26, Beulah, ND 58523

B. Permit Number: 0169

C. Solid Waste Management Units:
   1. 5 Surface Impoundments:
      a. Deepwell Feed Surge Pond
      b. Multiple Effect Evaporator Pond
      c. Liquid Waste Incinerator Feed Surge Pond
      d. Cooling Tower Surge Pond A
      e. Cooling Tower Surge Pond B

D. Location Information:
   1. General: NE1/2 of Sec 25 TWP 145N R 88W of Mercer County
   2. Permit Area: As described in referenced documents and facility files – approximately 34 acres.
   3. Latitude: 47.354329° Longitude: -101.831338°

E. General Conditions:
   E.1. The Permittee of the facility is subject to the Solid Waste Management and Land Protection Act (NDCC Chapter 23.1-08), the Solid Waste Management Rules (NDAC Article 33.1-20), all other North Dakota and federal laws, rules or regulations and orders now or hereafter effected by the North Dakota Department of Environmental Quality (hereinafter the Department), and to all conditions of this permit.

   E.2. Compliance with terms of this permit does not constitute a defense to any order issued or any action brought under NDCC Chapter 23.1-08, NDAC Article 33.1-20, NDCC Article 33.1-04, NDAC Article 33.1-24, Sections 3013, 7003, or 3008(a) of Resource Conservation and Recovery Act (RCRA), Sections 106(a), 104 or 107 of the...
Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (42 U.S.C. 9601 et seq.) or any other law providing for protection of public health or the environment.

E.3. Issuance of this permit does not convey property rights of any sort or any exclusive privilege, nor does it authorize any injury to persons or property, any invasion of other private rights, or any infringement of state or local law or regulations. (NDAC Section 33.1-20-02.1-06)

E.4. It shall not be a defense for the Permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. (NDAC Section 33.1-20-02.1-04)

E.5. This permit is based on the premise that the information submitted by the Permittee is accurate and that the facility will be or has been constructed and will be operated or has been as specified in the application and all related documents. Any inaccuracies or misrepresentations found in the application may be grounds for the termination or modification of this permit. The Permittee must inform the Department of any deviation from, or changes in, the information in the application which would affect the Permittee’s ability to comply with the applicable rules or permit conditions. (NDAC Section 33.1-20-02.1-07)

E.6. The Permittee shall at all times properly operate and maintain the facility, solid waste management units, and related appurtenances which are installed or used by the Permittee to achieve compliance with the conditions of this permit. Proper operation and maintenance includes effective performance, adequate funding, adequate operator staffing and training, and adequate laboratory and process controls, including appropriate quality assurance/quality control procedures. This provision requires the operation of backup or auxiliary facilities or similar systems only when necessary to achieve compliance with the conditions of this permit. (NDAC Section 33.1-20-02.1-04)

E.7. The Permittee shall give notice to the Department of any planned physical alterations or additions to permitted solid waste management units. Any physical change in, or change in the method of the operation of, a treatment or disposal operation shall be considered to be construction, installation or establishment of a new operation. No construction, installation or establishment of a new operation shall be commenced unless the Permittee thereof shall file an application for, and receive, a permit from the Department. (NDAC Section 33.1-20-02.1-04 and NDAC Section 33.1-20-02.1-07)

a. The Permittee shall give advance notice to the Department of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements.

b. The Permittee shall provide to appropriate representatives that will be involved in routine operation of the facility a copy of the approved Plan of Operation (including waste acceptance procedures). The training and educational material shall be repeated and/or amended as necessary to ensure compliance with the waste acceptance procedures and the permit.

c. Whenever the Permittee becomes aware that the Permittee failed to submit any relevant facts in the permit application or submitted incorrect information in the
E.8. The Permittee shall construct, operate, maintain and close the solid waste management units and the facility according to the criteria of law and rule, conditions of this permit, and other reasonable precautions to prevent or minimize, if applicable, any environmental impacts including, but not limited to, fugitive dust emissions, objectionable odors, air toxics and gas emissions, spills, litter, and contamination of surface water and groundwater. (NDAC Section 33.1-20-02.1-04 and NDAC Subsections 33.1-20-04.1-02(1) – (6))

E.9. The Permittee shall furnish to the Department, within a reasonable time, any relevant information which the Department may request to determine whether cause exists for modifying, reissuing or terminating this permit, or to determine compliance with this permit. The Permittee shall also furnish to the Department, upon request, copies of records required to be kept by this permit. (NDAC Section 33.1-20-02.1-07 and NDAC Section 33.1-20-04.1-04)

E.10. This permit may be modified, revoked and reissued, or terminated for cause as specified in NDAC Section 33.1-20-02.1-07. The filing of a request for permit modification, revocation and reissuance, termination, or the notification of planned changes or anticipated noncompliance on the part of the Permittee does not stay the applicability or enforceability of any permit condition.

This permit may be renewed as specified in NDAC Section 33.1-20-02.1-08. Review of any application for a permit renewal shall consider improvements in the state of control and measurement technology, compliance with state rules and permit, as well as changes in applicable regulations.

E.11. This permit addresses only the environmental aspects and operational procedures of the facility. It does not supersede local zoning authority or any other requirements of any political subdivision of the state. The Permittee must obtain any and all local zoning, conditional use permits, or meet any other county, township or municipal requirements prior to commencing construction and/or operation. (NDAC Section 33.1-20-02.1-06 and SFN 19269)

E.12. The Permittee shall design, close, maintain and operate the facility in a manner to minimize the possibility of a fire, explosion or any unplanned sudden or nonsudden release of solid waste or solid waste constituents to air, soil, groundwater or surface water which could threaten human health or the environment. (NDAC Section 33.1-20-04.1-02)

E.13. Any entity that controls the permit holder (Permittee) agrees to accept responsibility for any remedial measures, closure and postclosure care or penalties incurred by the Permittee. For purposes of this permit, "control" means ownership or control, directly, indirectly, or through the actions of one or more persons of the power to vote 25% or more of any class of voting shares of a permit holder, or the direct or indirect power to control in any manner the election of a majority of the directors of a permit holder, or to direct the management or policies of a permit holder, whether by individuals, corporations, partnerships, trusts, or other entities or organization of any type. Within thirty (30) days of the issuance of this permit, if not previously provided with the
application, or within thirty (30) days of the existence of any new controlling entity, the Permittee shall submit to the Department the name of the controlling entity, a statement signed by the controlling entity in which the controlling entity agrees to accept responsibility for any remedial measures, closure, and postclosure care or penalties incurred by the Permittee and a disclosure statement from the controlling entity containing the same information as required from permit applicants under NDCC Section 23.1-08-17. (NDCC Subsection 23.1-08-09(1))

E.14. All personnel involved in solid waste handling and in the facility operation or monitoring must be provided a copy of this permit and shall be instructed in specific procedures to ensure compliance with the permit, the facility plans and the state rules as necessary to prevent accidents and environmental impacts. Documentation of training such as names, dates, description of instruction methods and copies of certificates awarded must be placed in the facility’s operating record. (NDAC Section 33.1-20-04.1-02)

E.15. Except as modified by conditions of this permit or future approvals from the Department, this facility and related solid waste management units and structures shall be designed, constructed, operated and closed in accordance with previous correspondence and documents contained in Departmental files pertaining to this facility and as described in the documents listed in Attachment 1, which are hereby incorporated by reference in this permit. Future submittals approved by the Department may supersede or supplement items listed in Attachment 1. (NDAC Section 33.1-20-02.1-04)

E.16. All facility reports shall be submitted to the Department in a digital or electronic format as a searchable PDF format document unless otherwise requested. In some cases, the Department may request hard copies in addition to electronic format. Reports shall be sent to solidwaste@nd.gov.

Recordkeeping and reporting shall be in accordance with NDAC Section 33.1-20-04.1-04 and as described in the approved Plan of Operations.

The Permittee shall submit an annual report to the Department by March 1st of each year in accordance with NDAC Subsection 33.1-20-04.1-04(3).

The Permittee shall submit an annual groundwater report to the Department by April 1st of each year in accordance with NDAC Subsection 33.1-20-04.1-04(4).

E.17. The Permittee shall complete the Department’s Waste Rejection Report (SFN 60120) and notify the Department within five (5) days of any wastes rejected and not accepted by the facility. (NDAC Subsection 33.1-20-04.1-02(8))

F. Surface Impoundment Specific Conditions:

F.1. All surface impoundments shall be constructed, operated, maintained and inspected in accordance with NDAC Chapter 33.1-20-08.1.

All surface impoundments shall be maintained and inspected to ensure orderly operation and ensure adequate storage capacity, and the correct amount of freeboard must be maintained. After significant runoff events, prior to winter freeze-up, and/or in anticipation of a period of heavy precipitation, the surface impoundment’s capacity shall be restored as soon as practicable to ensure at least a 25-year, 24-hour stormwater management capacity. (NDAC Subdivision 33.1-20-04.1-09(3)(a))
The surface impoundments shall not be used for management of stormwater that has not been in contact with waste. The surface impoundments shall be protected from surface water run-on from adjacent areas. (NDAC Subdivision 33.1-20-04.1-09(3)(d))

G. Facility Specific Conditions:

G.1. All surface impoundments shall be inspected at least once per week from March 1 through December 1, at least monthly at other times, and after significant precipitation or runoff events, when water inflows are expected to be elevated and/or in other cases when concerns on pond levels, integrity or other issues may arise. An approved inspection checklist that addresses appropriate elements and parameters for waste impoundments shall be used for routine inspections and at least one (1) completed inspection checklist shall be filed in the facility's Operating Record for each calendar month. (NDAC Subsection 33.1-20-08.1(3)(a))

G.2. Sixty (60) days prior to removal, the Permittee shall notify the Department of any pond that is cleaned/dredged for solids removal. All material removed will be sampled before being placed in any permanent location. The Department will give final approval on final disposal. (NDAC Subsection 33.1-20-08.1-02)

G.3. Should the levels of any ponds be within their stated limit of freeboard, or less, the Permittee shall inform the Department of the situation, provide a plan for management of pond waters to manage any excess, should it occur, and provide a plan to minimize, control, restore and/or maintain capacity. When such conditions arise, the Permittee shall initiate a monthly report to the Department on the ponds' status and what measures are being done to control and reduce the pond levels.

G.4. Prior to the closure of any of the surface impoundments, the Permittee shall submit a postclosure plan to the Department for review and approval. Upon approval, the Permittee shall conduct postclosure in accordance with the approved plan.

Should questions or issues arise, the Permittee shall contact the North Dakota Department of Environmental Quality at 701-328-5166.

In consideration of information provided regarding the facility and its operation and in consideration of the conditions above, the North Dakota Department of Environmental Quality hereby issues a permit to the Dakota Gasification Company.

This permit is effective as of ___________________, 2022 and shall remain in effect until ___________________, 2032, unless modified, superseded, or revoked under Section 33.1-20-02.1-07 NDAC or continued in accordance with Section 33.1-20-02.1-08 NDAC.

Charles R. Hyatt, Director
Division of Waste Management

Attachments:

Attachment 1: Historical Document List
<table>
<thead>
<tr>
<th>Date</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>September 15, 2021</td>
<td>&quot;Application for a Solid Waste Management Facility Permit – North Dakota Department of Environmental Quality – Division of Waste Management SFN 19269 (06-2019),&quot; received from Daniel Whitley, Dakota Gasification Company, on September 15, 2021</td>
</tr>
<tr>
<td>May 14, 2015</td>
<td>&quot;Application for a Solid Waste Management Facility Permit – North Dakota Department of Health – Division of Waste Management SFN 19269 (04/10),&quot; received from David Sauer and Mike Tietz, Dakota Gasification Company, on May 14, 2015</td>
</tr>
<tr>
<td>July 15, 2005</td>
<td>Attachment 1 to Permit SP-169 – Permit Condition F.3.a., &quot;History of North Dakota Gasification Company,&quot; dated July 15, 2005 and prepared by the North Dakota Department of Health, Division of Waste Management</td>
</tr>
<tr>
<td>March 4, 2005</td>
<td>&quot;Application for a Solid Waste Management Facility Permit – North Dakota Department of Health – Division of Waste Management SFN 19269 (05/02),&quot; received on March 4, 2005</td>
</tr>
<tr>
<td>December 1, 1994</td>
<td>&quot;Application for a Solid Waste Management Facility Permit – North Dakota Department of Health – Division of Waste Management SFN 19269,&quot; received on December 1, 1994</td>
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</tbody>
</table>