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: Minnkota Power Cooperative, Inc. - Milton R. Young Station
   2. Mailing Address: 3401 24th Street SW, Center, ND 58530
   3. Location Address: 3401 24th Street SW, Center, ND 58530

B. Permit Number: 0159

C. Solid Waste Management Units:
   1. CCR Surface Impoundment(s)
   2. CCR Landfill
   3. Closed Special Waste Landfill – Cell 1

D. Location Information:
   1. General: Sections 5 and 8, TWP 141N, R 83W of Oliver County
   2. Permit Area: As described in referenced documents and facility files – approximately 211 acres.
   3. Latitude: 47.05557° Longitude: -101.220487°

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 Chapter 23.1-04, 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 permit application or in any report to the Department, the Permittee shall promptly submit such facts or information.

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, NDAC Subsection 33.1-20-08.08(1) 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 monitoring and corrective action report to the Department by March 1st of each year in accordance with NDAC Subdivision 33.1-20-08.08(1)(e).

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))

E.18. Within sixty (60) days of the issuance of this permit, if not already completed, the Permittee shall record a notarized affidavit with the County Recorder. The affidavit shall specify that this facility, as noted in the legal description, is permitted to accept solid wastes for disposal. This affidavit shall specify that another affidavit must be recorded upon the facility's final closure.
Upon closure, a second affidavit shall be recorded specifying any final details regarding the types of waste disposed at the facility, as well as any final details regarding the facility's location, construction, management, etc.

The Department must be provided a copy of both affidavits, certified by the County Recorder of the county in which the facility is located. The copies must be forwarded to the Department within sixty (60) days of recorded dates, or if notification has already been completed, within sixty (60) days of the permit issuance date. (NDAC Section 33.1-20-02.1-05 and NDAC Subdivision 33.1-20-08-07(3)(i))

F. **CCR Landfill Specific Conditions:**

F.1. The following wastes are prohibited from disposal at this facility:

- Hazardous waste
- Regulated infectious waste;
- TENORM waste; and
- Used oil as a free liquid;

(NDAC Section 33.1-20-02.1-04)

F.2. The facility is approved only for the disposal of coal combustion residuals and other wastes as identified in the permit application, Departmentally approved facility waste acceptance plan, elsewhere in this permit, or through Departmental correspondence. The facility may accept other types of special waste upon approval from the Department.

"Coal combustion residuals (CCR)" means fly ash, bottom ash, boiler slag, and flue gas desulfurization materials generated from burning coal for the purpose of generating electricity by electric utilities and independent power producers. Coal combustion residuals is a subset of special waste. (NDAC Subsection 33.1-20-01.1-03(11))

"Special waste" means solid waste that is not a hazardous waste regulated under chapter 23.1-04 and includes waste generated from energy conversion facilities; waste from crude oil and natural gas exploration and production; waste from mineral and ore mining, beneficiation, and extraction; and waste generated by surface coal mining operations. The term does not include municipal waste or industrial waste. (NDCC Subsection 23.1-08-02(16))

F.3. The facility shall be operated in accordance with the Fugitive Dust Control Plan. (NDAC Subdivision 33.1-20-08-05(1)(b))

F.4. The annual fugitive dust control report shall be submitted with the annual report due March 1st of each year in accordance with Condition E.16. (NDAC Subdivision 33.1-20-08-05(1)(c))

F.5. The Permittee shall prepare a Run-On and Run-Off Control System Plan in accordance with NDAC Subdivision 33.1-20-08-05(2)(c).

At a minimum, the plan shall be revised every five (5) years from the date of the previous revision in accordance with NDAC Paragraph 33.1-20-08-05(2)(c)(4).
The Permittee shall submit the plan to the Department for review and approval. The plan shall be placed in the facility’s operating record upon Department approval.

F.6. The facility shall be operated in full accordance with the approved plan of operation and the waste screening provisions. (NDAC Section 33.1-20-04.1-03)

F.7. Waste accepted at the facility shall not be stored, stockpiled or placed anywhere on the facility other than the approved disposal area. (NDAC Subdivision 33.1-20-04.1-03(1)(b))

F.8. The Permittee shall conduct inspections in accordance with NDAC Subsection 33.1-20-08-05(5).

F.9. No area of the landfill final cover, including, but not limited to, support berms and the outer slopes of any drainage control berms/walls, shall be greater than the 25% (4:1) maximum slope allowed by NDAC Paragraph 33.1-20-04.1-09(4)(b)(3).

F.10. All earthen material must be maintained on-site (to be used for all construction, cover, closure and revegetation activities) unless removal from the site is approved by the Department. (NDAC Subdivision 33.1-20-04.1-09(2)(k))

F.11. Suitable plant growth material (SPGM) topsoil and SPGM subsoil shall be used for site closure. Any extra material shall be stored in approved areas for use in site maintenance and closure repair. All SPGM shall be replaced upon site or area reclamation. (NDAC Subdivision 33.1-20-04.1-09(2)(f))

G. CCR Surface Impoundment Specific Conditions:

G.1. The following wastes are prohibited from disposal at this facility:

- Hazardous waste
- Regulated infectious waste
- TENORM waste; and
- Used oil as a free liquid;

(NDAC Section 33.1-20-02-1-04)

G.2. The facility is approved only for the disposal of coal combustion residuals and other wastes as identified in the permit application, Departmentally approved facility waste acceptance plan, elsewhere in this permit, or through Departmental correspondence. The facility may accept other types of special waste upon approval from the Department.

“Coal combustion residuals (CCR)” means fly ash, bottom ash, boiler slag, and flue gas desulfurization materials generated from burning coal for the purpose of generating electricity by electric utilities and independent power producers. Coal combustion residuals is a subset of special waste. (NDAC Subsection 33.1-20-01.1-03(11))

“Special waste” means solid waste that is not a hazardous waste regulated under chapter 23.1-04 and includes waste generated from energy conversion facilities; waste from crude oil and natural gas exploration and production; waste from mineral and ore
mining, beneficiation, and extraction; and waste generated by surface coal mining operations. The term does not include municipal waste or industrial waste. (NDCC Subsection 23.1-08-02(16))

G.3. The facility shall be operated in full accordance with the approved plan of operation and the waste screening provisions. (NDAC Section 33.1-20-04.1-03)

G.4. The Permittee shall conduct inspections in accordance with NDAC Subsection 33.1-20-08-05(4).

G.5. At a minimum, the Permittee shall conduct and complete the following periodic assessments every five (5) years from the date of the previous assessment in accordance with NDAC Paragraph 33.1-20-08-04(3)(f)(3):

a. Hazard potential classification assessment (NDAC Paragraph 33.1-20-08-04(3)(a)(2))

b. Structural stability assessment (NDAC Paragraphs 33.1-20-08-04(3)(d)(1) – (3))

c. Safety factor assessment (NDAC Paragraphs 33.1-20-08-04(3)(e)(1) and (2))

Upon completion of an assessment, the Permittee shall submit the assessment to the Department for review and approval. The assessment shall be placed in the facility’s operating record upon Department approval.

G.6. The Permittee shall prepare an Inflow Design Flood Control System Plan in accordance with NDAC Subdivision 33.1-20-08-05(3)(c).

At a minimum, the plan shall be revised every five (5) years from the date of the previous revision in accordance with NDAC Paragraph 33.1-20-08-05(2)(c)(4).

Upon completion of a revision to a plan, the Permittee shall submit the plan to the Department for review and approval. The plan shall be placed in the facility’s operating record upon Department approval.

H. Closed Special Waste Landfill Unit Conditions:

H.1. All closed areas must be managed and maintained in accordance with the closure and postclosure requirements of NDAC Section 33.1-20-04.1-09, an approved closure plan, an approved postclosure plan and this permit. Closed solid waste management units may not be used for cultivated crops, heavy grazing, buildings, or any other use which might disturb the protective vegetative and soil cover. (NDAC Subdivision 33.1-20-04.1-09(4)(a))

H.2. The Permittee shall conduct postclosure evaluations and investigations of the closed landfill units in accordance with the approved postclosure care plan. (NDAC Subdivision 33.1-20-04.1-09(5))

H.3. A summary of inspections, evaluation and repair of closed landfill areas shall be included in the Permittee’s annual report. (NDAC Subdivision 33.1-20-04.1-04(3)(e))
I. Facility Specific Conditions:

I.1. Sequential closure of solid waste disposal units shall be implemented as described in the approved closure plan. (NDAC Subdivision 33.1-20-04.1-03(1)(g), NDAC Subsection 33.1-20-04.1-05(2), NDAC Subdivision 33.1-20-04.1-05(5)(d) and NDAC Subdivision 33.1-20-08-07(3)(b))

The largest approved open area is 115 acres before sequential partial closure must be initiated. (NDAC Subparagraph 33.1-20-08-07(3)(b)(1)(e))

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 Minnkota Power Cooperative, Inc.

This permit is effective as of __________, 2022 and shall remain in effect until October 13, 2025, 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
### Attachment 1

#### Historical Documents

<table>
<thead>
<tr>
<th>Date</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>June 30, 2022</td>
<td>Application for Permit Modification, June 2022</td>
</tr>
<tr>
<td>February 19, 2019</td>
<td>Coal Combustion Residuals Design and Construction Plans Cell 4, January 2019 (Rev. 1), Barr Engineering</td>
</tr>
<tr>
<td>July 19, 2018</td>
<td>Coal Combustion Residuals Liner Documentation for New Surface Impoundment Cell 4, July 2018, Barr Engineering</td>
</tr>
<tr>
<td>October 7, 2016</td>
<td>Construction Documentation Report - Cell 3 - Phase 3, Coal Combustion Waste Disposal Facility</td>
</tr>
<tr>
<td>2014</td>
<td>Construction Documentation Report for Cell 3, Phase 1A, 1B and 2, 2014</td>
</tr>
<tr>
<td>September 2012</td>
<td>Application for Permit Modification, September 2012</td>
</tr>
<tr>
<td>2011</td>
<td>Notification of waste input adjustments to 30-year pond resulting from modifications to Unit 2 air pollution equipment &amp; installation of new equipment, 2011</td>
</tr>
<tr>
<td>December 2011</td>
<td>Construction Documentation Report, Cell 3, Phase IA, December 2011, Barr Engineering</td>
</tr>
<tr>
<td></td>
<td>Construction Documentation Report, Cell 2, Final Siphon Raise, December 2011, Barr Engineering</td>
</tr>
<tr>
<td>October 2011</td>
<td>Pre-application for Modification of North Dakota Department of Health Solid Waste Permit SP-159 (to Laterally Expand Currently Permitted Facility), October 2011, Barr Engineering</td>
</tr>
<tr>
<td>June 2011</td>
<td>&quot;Specific Site Assessment for Coal Combustion Waste Impoundments at Minnkota Power Cooperative, Milton R. Young Station Center, North Dakota,&quot; Submitted to: U.S. Environmental Protection Agency Office of Resource Conservation and</td>
</tr>
</tbody>
</table>
Recovery, GEI Consultants, Inc. - Geotechnical Environmental and Water Resources Engineering, June 2011

2009
Construction Documentation Report - FGD Sludge Facility, Cell 2, Phase III (2009)

2007
Construction Documentation Report - FGD Sludge Facility, Cell 2, Phase II (2007)

August 2, 2005
Attachment to Permit SP-159 - Specific Condition F.3.a., History of Minnkota Power Cooperative, Inc. SP-159, dated August 2, 2005 and prepared by the North Dakota Department of Health - Division of Waste Management

April 13, 2005
Application for a Solid Waste Management Facility Permit - North Dakota Department of Health - Division of Waste Management SFN 19269 (05/02), received on April 13, 2005 from Craig Bleth, P.E., Minnkota Power Cooperative, Center, ND

August 26, 2004
Minnkota FGD Pond, Cell 2, Phase 1, Construction Material Testing and Quality Control Survey Results, prepared by Barr Engineering Company, 4700 West 77th Street, Minneapolis, MN, dated August 26, 2004

February 2002

July 2001

September 1999
Construction Documentation Report - FGD Sludge Disposal Facility - Cell 1, Phase II (1999) for Minnkota Power Cooperative - Milton R. Young Station, dated September 1999 and prepared by Barr Engineering Company, Minneapolis, MN

June 10, 1999
Evaluation of Surface Water Management Plans for Cell No. 1 Closure, Milton R. Young Station FGD Sludge Facility, North Dakota State Department of Health Special Solid Waste Management Permit No. SP-159, prepared by Barr Engineering Company, Minneapolis, MN, dated June 10, 1999

March 1999
Technical Specifications for Cell 1 - Phase II FGD Sludge Disposal Facility Construction, submitted by Philip B. Solseng,
P.E., Minnkota Power Cooperative, Center, ND, dated March 1999

**September 1997**
Construction Documentation Report - FGD Sludge Disposal Facility - Cell 1, Phase I, Minnkota Power Cooperative - Milton R. Young Station, dated September 1997 and prepared by Barr Engineering Company, 8300 Norman Center Drive, Minneapolis, MN

**February 1994**
Permit Application for Minnkota Power Cooperative - Milton R. Young Station, FGD Sludge Disposal Facility, dated February 1994 and prepared by Barr Engineering Company, Minneapolis, MN

**January 27, 1993**
Facility Impacts Evaluation for Minnkota Power Cooperative - Milton R. Young Station's FGD Sludge Disposal Facility, dated January 27, 1993 and prepared by Barr Engineer Company, Minneapolis, MN

**July 1992**

**March 13, 1992**
Feasibility Study for Milton R. Young Station FGD Sludge Disposal Site, dated February 1992 (revised March 13, 1992) and prepared by Barr Engineering Company, Minneapolis, MN