

November 13, 2024

Mr. Jonathan Emmer
Director Reclamation Division
Public Service Commission
600 East Boulevard Avenue
Department 408
Bismarck, ND 58505-0480

Dear Mr. Emmer:

The North Dakota Public Service Commission (PSC) conducted soil probing on FBR #2 to NACT-1801 in September of 2024 to determine the respread depths of topsoil and subsoil. Final Bond Release #2 includes respread package 30-606-00205. The regrade package indicates a respread depth of 48 inches of SPGM would be respread throughout the area, therefore, no overburden samples were collected prior to SPGM respread. During the soil probing conducted by PSC staff it was discovered that a relatively small area did not meet the 48 inches of total SPGM as stated in the regrade packages.

The PSC's soil probing results were evaluated and a boundary was created to encompass the area of low SPGM respread. Coteau agreed to sample the area for spoil quality to show overburden in this area was capable of supporting reduced respread depths. The area was sampled in a manner that is consistent with the normal process used when submitting a grade approval request. The topsoil and subsoil were removed and a composite sample of overburden was taken to a depth of 12 inches as required by Policy Memorandum 17. The overburden analysis shows that adequate SPGM is present throughout the area based on overburden quality. These results and a map showing sample locations are attached.

If you have any questions, please contact me.

Sincerely,

THE COTEAU PROPERTIES COMPANY



Mark Wallen
Environmental Specialist

11 RC-24-296 Filed 11/13/2024 Pages: 3
Bond Release 2 Additional Sample Results Letter

Coteau Properties Company
Mark Wallen

Tract 1

Tract 2

T145N
R87W
29

COTEAU

COTEAU

COTEAU

LAB Family LLLP/Butler

NACT-1801

AALUND

AALUND

Undisturbed

Undisturbed

Undisturbed

Undisturbed

Undisturbed

Undisturbed

Undisturbed

Associated Disturbance
No Topsoil Was Removed

Associated Disturbance
No Topsoil Was Removed

Associated Disturbance
No Topsoil Was Removed

Associated Disturbance
No Topsoil Was Removed

Associated Disturbance
No Topsoil Was Removed

Associated Disturbance
No Topsoil Was Removed

7.0" PRAIRIE TOPSOIL
41.0" SUBSOIL
30-606-00205

7.0" PRAIRIE TOPSOIL
41.0" SUBSOIL
30-606-00212

7.1" PRAIRIE TOPSOIL
14.8" SUBSOIL
30-606-00212

7.1" PRAIRIE TOPSOIL
30-606-00212
Associated Disturbance
No Topsoil Was Removed

6.9" PRAIRIE TOPSOIL
41.0" SUBSOIL
Pond Removal Request P-J29-01F

00130 12.2" CROPLAND TOPSOIL
35.8" SUBSOIL

00130 8.0" PRAIRIE TOPSOIL
40.0" SUBSOIL

30-606-00183 7.0" PRAIRIE TOPSOIL
41.0" SUBSOIL

7.0" PRAIRIE TOPSOIL
30-606-00212

7.0" PRAIRIE TOPSOIL
41.0" SUBSOIL
30-606-00212

7.0" PRAIRIE TOPSOIL
30-606-00212

7.0" PRAIRIE TOPSOIL
41.0" SUBSOIL
30-606-00207

30-606-00206

7.0" PRAIRIE TOPSOIL
41.0" SUBSOIL

30-606-00208
7.0" PRAIRIE TOPSOIL
41.0" SUBSOIL

LEGEND

- PERMIT BOUNDARY
- PERMIT IDENTIFICATION
- BOND RELEASE BOUNDARY
- SECTION LINE-SURVEYED LOCATION
- ASSOCIATED DISTURBANCE
- LANDOWNER
- SPGM RESPREAD BOUNDARY
- COAL REMOVAL BOUNDARY
- REGRADE APPROVAL BOUNDARY
- OB SAMPLE LOCATION

Scale 1" = 200'

Scale: 1"=200'
PROJECT: FBR #2 TO NACT-1801 REVISION: N/A

| | | | | |
|-----------------|-----|-------|----------|--|
| 9 | | | | |
| 8 | | | | |
| 7 | | | | |
| 6 | | | | |
| 5 | | | | |
| 4 | | | | |
| 3 | MAW | MAW | 11/13/24 | |
| 2 | MAW | MAW | 10/01/24 | |
| 1 | MAW | MAW | 09/03/24 | |
| 0 | MAW | MAW | 04/03/24 | |
| NO. | BY | APP'D | DATE | |
| DRAWING UPDATES | | | | |

North American COAL
FREEDOM MINE
THE COTEAU PROPERTIES COMPANY

ATTACHMENT Va
SPGM RESPREAD DEPTHS MAP
FBR #2 TO NACT-1801

G:\2. Permit Files\B. Bond Release\11. NACT-1801\d. Drawings\03. In Design\FBR #2\Attachment Va SPGM
Nov13, 2024 - 10:50am



MINNESOTA VALLEY TESTING LABORATORIES, INC.

1126 North Front St. ~ New Ulm, MN 56073 ~ 800-782-3557 ~ Fax 507-359-2890
2616 East Broadway Ave. ~ Bismarck, ND 58501 ~ 800-279-6885 ~ Fax 701-258-9724
1201 Lincoln Hwy. ~ Nevada, IA 50201 ~ 800-362-0855 ~ Fax 515-382-3885
www.MVTL.com



Dillon Belisle
Coteau Properties Co
204 County Road 15
Beulah, ND 58523

Work Order Number: 69605
Project Name: Overburden

Date Received: 11/01/2024
Purchase Order: 595092 OP

| Laboratory Number | Sample Description | Depth | EC @ 25C mmhos/cm | Cat/EC Ratio | Ca meq/L | Mg meq/L | Na meq/L | SAR | CCE wt% | pH | OM wt% | Texture | Sand % | Silt % | Clay % | Sat Percent |
|-------------------|--------------------|-------|-------------------|--------------|----------|----------|----------|------|---------|-----|--------|---------|--------|--------|--------|-------------|
| 69605001 | 29-1 | | 2.89 | 17.4 | 5.6 | 9.1 | 35.5 | 13.1 | | 7.8 | | c | 26.0 | 30.0 | 44.0 | |
| 69605002 | 29-2 | | 1.75 | 16.5 | 5.5 | 7.7 | 15.7 | 6.11 | | 7.7 | | cl | 41.0 | 27.5 | 31.5 | |

All data reported has been reviewed and approved by:

Stacy Zander, Bismarck Assistant Lab Manager Bismarck, ND

Texture Abbreviations: sic = silty clay sc = sandy clay cl = clay loam l = loam sil = silty loam ls = loamy sand c = clay sicl = silty clay loam scl = sandy clay loam si = silt s = sand sl = sandy loam

MVTL guarantees the accuracy of the analysis done on the sample submitted for testing. It is not possible for MVTL to guarantee that a test result obtained on a particular sample will be the same on any other sample unless all conditions affecting the sample are the same, including sampling by MVTL. As a mutual protection to clients, the public and ourselves, all reports are submitted as the confidential property of clients, and authorization for publication of statements, conclusions or extracts from or regarding our reports is reserved pending our written approval.