

NORTH AMERICAN
COAL
CORPORATION
FALKIRK MINE

THE FALKIRK MINING COMPANY
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January 13, 2011

Mr. James R. Deutsch
Reclamation Director
ND State Public Service Commission
600 East Boulevard, Dept. 408
Bismarck, North Dakota 58505

FROM DIRECTOR - RECLAMATION

Date: _____

Action: _____

Info. Only: _____

Info & File: _____

RE: Revision 27, Renewal #5 Completeness Review Responses
for Permit NAFK-8405

Dear Mr. ^{Jim:} Deutsch:

Falkirk submits the following responses to the completeness review items from your January 4, 2011 letter required to be addressed before the revision can be deemed complete.

Newspaper Notice

- 1. Please add to the end of the second paragraph of the newspaper notice in Section 1.2.4 by stating that "and the revision identifies the coal removal subarea that will be mined during the next 5-year permit term". (BEB)***

The Newspaper Publication Notice, Section 1.2.4, has been revised to include the above statement.

Section 1.0 - Introductory Information

- 2. Changes were made to the Reclamation Procedures Narrative in Section 4.2.1; however, updates to the permit for this section were not described in any of the introductory information sections. Please address the appropriate section(s) of the permit to indicate that changes or updates were made to Section 4.2.1. (BEB)***

Changes have been made to Page 1 of the Application Form, Section 1.1.1, and to the Introduction, Section 1.1.2, indicating that reclamation plans and procedures were updated for this revision/renewal.

- 3. Please specifically state in the Revision Summary Pages (Introductions) of Section 1.1.2 that the revision identifies the coal removal subarea that will be mined during the next 5-year permit term. (BEB)***

The Introduction for Revision 27, Renewal #5 in Section 1.1.2 has been revised to include the above statement.

Section 2.0 - Environmental Resources Information

4. Please provide any necessary or required updates to the stand-alone Underwood Groundwater Hydrology section at this time. (BEB)

Section 2.2.1, Ground Water Hydrologic Setting, has been updated.

Section 2.2.2, Water Bearing Formations and Hydrogeology has been updated.

Section 2.2.3, Water Quality of Ground Water, has been updated.

Section 2.2.4, Ground Water Hydrology of the Permit Area(s), has been updated.

Section 2.2.5, Probable Ground Water Hydrologic Consequences has been updated.

Section 2.2.6, Ground Water Monitoring Plan, has been updated.

Section 2.2.8, Location of All Wells, Pit Progression, and Cross-Section Reference Map, was updated.

Section 2.2.11, Operational Well Information, was deleted.

Section 2.2.12, Location Map - Certified Wells, was updated.

Section 2.2.13, Location Map - Operational Wells, was updated.

Section 2.2.14, Well Certifications, has been updated.

Section 2.2.16, Monitoring Well Information, has been updated.

Section 2.2.18, Well Completion Reports, has been updated.

Section 2.2.20a, Location of Monitoring Wells, has been updated.

Section 2.2.20b, Construction Details of Monitoring Wells, has been updated.

Section 2.2.21, Current Monitoring Wells Location Map, was updated.

Section 2.2.22, Reclamation Monitoring Wells Location Map, was updated.

Section 2.2.23, Potentiometric Data, has been updated.

Added Section 2.2.24c, Baseline Potentiometric Data, Second Quarter, 2010.

Added Section 2.2.25a3, Water Table Contour Map (2010).

Added Section 2.2.25b4, Potentiometric Surface Map - Underwood Sand (2010).

Added Section 2.2.25c4, Potentiometric Surface Map - Hagel A Bed (2010).

Added Section 2.2.25d4, Potentiometric Surface Map - Hagel B Bed (2010).

Added Section 2.2.25e4, Potentiometric Surface Map - Sheet Sand (2010).

Pages 1 - 3 of Section 2.2.26, City of Underwood Water Supply Evaluation, has been updated.

Section 2.2.31, Water Quality Data, has been updated.

Added Section 2.2.32c, 2010 Baseline Water Quality Data.

Section 2.2.38, Time Series Hydrographs, has been updated.

Section 2.2.40, Water Quality Graphs, has been updated.

Section 2.2.15a, Well Certifications Field Data Forms (A-K), has been updated.

Section 2.2.15b, Well Certifications Field Data Forms (L-P), has been updated.

Section 2.2.15c, Well Certifications Field Data Forms (Q-T), has been updated.

Section 2.2.15d, Well Certifications Field Data Forms (U-Z), has been updated.

Section 3.0 - Operation Plans

- 5. Several watersheds are not labeled on the Water Management Map, Section 3.6.01a. In order for identification and comparison of watersheds in the pre- and post-mining setting, please label these watersheds similar to what was previously done with the areas south of Highway 200. (MSK)***

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As per conversation between Matt Klingenstein and Josey Milbradt, Jeremy Eckroth, and Randy Crooke on 1/5/2011, we will not add the watershed labels. The water management feature that controls the watershed will be the identifier that will contain all necessary information for that watershed for the Total Water Management Plan Map. Narratives have been added for each future non-contributing watershed that will be controlled by the interior wetland basin, Section 3.6.52 for Basin B-E14-02 and Section 3.6.53 for Basin B-E13-05, that were encountered in 2010.

Section 4.0 - Reclamation Plans

- 6. *The link to Section 4.2.3, Grading Sequence Map, is broken. Please repair the link. (MSK)***

The link to Section 4.2.3 has been repaired.


In an effort to expedite revision application review, staff provided Falkirk with a list of permit maps by e-mail on December 30, 2010, for which the AutoCAD files were requested. Please provide the requested AutoCAD files that are applicable to this revision application.

A CD containing the requested AutoCAD files, as well as the Worst Case Bonding files addressed with Revision 20 to NAFK-9503, is enclosed.

If you have any questions, please contact me at 250-2403 or at randy.crooke@falkirk.com.

Sincerely,

THE FALKIRK MINING COMPANY



D. Randall Crooke
Environmental Manager

DRC/dge
Enc.