

INITIAL COMPLETENESS REVIEW

JK

November 2, 2007

TO: Internal File

THRU: Pamela Grubaugh-Littig, Permit Supervisor 

FROM:  Dana Dean, P.E., Senior Reclamation Hydrologist/Engineer

RE: 15-Day Initial Completeness Review -North Lease Incidental Boundary Change, Canyon Fuel Company, LLC, Skyline Mine, C/007/0005, Task ID #2874

A brief review of the new information submitted for the Skyline Mine IBC indicates that the Permittee has supplied enough information to complete a technical review.

The Division reported the following deficiencies on September 25, 2007. The underlined text describes what the Permittee has done to address each deficiency.

R645-301-114.100 and R645-301-525.700, As noted in the deficiencies written under **R645-301-521**, and again under **R645-301-521.131**, the Permittee must verify the stated location of the IBC in the text (pages 1-30, 1-32 1-39, 3-6), and if necessary send out correction notices to those entities who are identified in the correspondence of Appendix 118A. Each land owner has been re-notified of the IBC with information detailing the entire extent of the IBC, and what areas will actually be mined.

R645-301-114.200, Item 8 of the Carbon County lease document provided in Appendix 118A indicates that surface landowner consent must be obtained separately for right of entry. Please provide a memorandum of agreement summarizing the confidential agreements with the Allred Family Trust and the Koula Marakis Trust, which are alluded to in the cover letter dated June 15, 2007 addressed to Pamela Grubaugh-Littig. Copies of surface agreements have been submitted to the confidential file.

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R645-302-321.200 et seq., Provide information as required by R645-302-321.210 through 321.260 in the area adjacent to the IBC, such that the Division may make a finding on the existence of an alluvial valley floor in Winter Quarters, Woods and Green Canyons. Already addressed in the current MRP.

R645-301-511 The Permittee will explain the status and intention of the vent shaft identified in the IBC. The Permittee has removed the shaft from Plate 2.3.4-2, no shaft is planned.

R645-301-521, The Permittee must review the legal description to resolve the possible discrepancy as noted by the BLM:

Incidental Boundary Change (PIBC) to include S1/2S1/2 Section 36 T 12 South, Range 6 East, and the W1/2 of Section 1, the W1/2SW1/4 of Section 1, the N1/2NW1/4 of Section 12, and the SW1/4NW1/4 of Section 12, Township 13 South, Range 6 East, SLB&M

In looking at the enclosed map:

Should be the W1/2SE1/4 of Section 1

Should also include the W1/2SW1/4 of Section 12 (This is shown on the map to be included in this IBC, but it looks like it should have already been included at some other time because there are mine workings in a portion of it.) The map has been changed, and appropriate surface owners have been notified of the changes.

R645-301-512.110, the Permittee must have Drawing 2.2.7-7, Abandoned Adjacent Workings or a similar map that shows the abandoned mine workings certified by a registered professional engineer. The map has been certified.

R645-301-512.140;

- *Drawing 2.3.4-2, Potentiometric Surface Map 11/06 (required by R645-301-722.100), must be certified by a qualified, registered, professional engineer or geologist.*
- *Drawing 2.3.5-1-1, Surface Water Rights on and Adjacent to the Skyline Property (required by R645-301-722.200 and R645-301-731.710), must be certified by a qualified, registered, professional engineer, geologist or surveyor.*
- *Drawing 2.3.5.2-1, Ground Water Rights on and Adjacent to the Skyline Property (required by R645-301-722.400), must be certified by a qualified, registered, professional engineer, geologist, or surveyor.*

- *Drawings 2.3.6-1, Location of Hydrologic Monitoring Stations, and 2.3.6-2, North Lease Subsidence Monitoring Points, required by R645-301-731.730 and R645-301-722.300 must be certified by a qualified, registered, professional engineer, geologist, or surveyor. The maps have been certified.*

R645-301-521.131; *Drawing 1.6-1 does seem to show the correct surface ownership, as described in the text. However, the coal ownership shown on Drawing 1.6-2 for the S $\frac{1}{4}$ of Section 36, T12S.R6E, the W $\frac{1}{2}$ of Section 1, T13S.R6E, and the NW $\frac{1}{4}$ NW $\frac{1}{4}$ of Section 12, T13S.R6E, SLB&M conflicts with parts of the text, and Drawing 1.6-3. In some instances, CFC lists the owner of the coal as Carbon County, and in others as Energy Fuels. The Permittee must clarify the coal ownership in each place it is mentioned. If Carbon County is the owner of the coal, and Energy Fuels has a lease on the coal that has subsequently transferred to CFC, that should be clear. Plate 1.6-1 has been corrected.*

R645-301-623, The Permittee will provide a geology map that shows all faults in and adjacent to the IBC. No changes – previous maps claimed to be complete.

The Permittee will identify the attitude of strata on and adjacent to the permit area, in the text and on the geology map, map legends should show all information on the map. Dips added to strike and dip symbols.

R645-301-624.320 and 624.330, The Permittee will provide chemical analyses for acid or toxic forming or alkalinity producing materials and their content in the strata above the coal seam, below the coal seam and the coal seam to be mined in the IBC. The parameters needed to make the assessment include; location, pH, pyritic sulfur, sulfate, organic sulfur, total sulfur, total iron, sodium absorption ratio (SAR), acid/base potential, electrical conductivity (EC), total calcium, total magnesium, total potassium, total sodium, total boron and total selenium, total arsenic, total cadmium, total chromium, total lead and total zinc. Lab analyses for exploration drill cores have been added.