

July 7, 2006

Charles Reynolds, Resident Agent
Co-Op Mining Company
P.O. Box 1245
Huntington, Utah 84528

Subject: Loadout Expansion, Task # 2469, Co-Op Mining Company, Bear Canyon Mine, C/015/0025

Dear Mr. Reynolds:

The above-referenced amendment has been reviewed. There are deficiencies that must be adequately addressed prior to approval. A copy of our deficiency list is enclosed for your information. The deficiencies are followed with the reviewer's initials: [PWB] Priscilla Burton, [JCH] Joe Helfrich, [WHW] Wayne Western, [JDS] Jim Smith. Specific questions regarding these deficiencies may be directed to these individuals. In order for us to continue to process your application, please respond to these deficiencies by August 7, 2006

If you have any questions, please call me at (801) 538-5286, Jim Smith at (801) 538-5262, or Wayne Western at (801) 538-5263.

Sincerely,

Wayne Hedberg,
Permit Supervisor

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Enclosure
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DEFICIENCY LIST
Task No. 2469

- R645-301-121.200**, The plan must address the cut/fill balance of TS 17 as a result of using fill from TS 5 for construction of the retaining walls. [PWB]
- R645-301-121.200**, The first page of Appendix 5Q states construction of the load-out expansion will take place in five steps, broken down into nine phases. The Permittee needs to clarify what the five steps are. [JDS]
- R645-301-121.200**, The Permittee must correct the confusing spelling in Appendix 5Q, where “concrete” is spelled “concert” in the heading of the “Install concert [sic] loading pad” section and several times in the “Install new culverts” section. [JDS]
- R645-301-121.200, -521.120**, For Plate 5-2C, the Permittee must include in the map’s LEGEND a description for the heavy black line running through the coal storage area. [JDS]
- R645-301-521.120**, The Permittee must update Plates 2-1A, 2-3C, 5-6C, 7-1C, and 7-5 to show the new conveyor configuration. [JDS]
- R645-301-323, -301-331, -301-333, -301-341, -301-342, -301-411, -301-412, -301-422, -301-512, -301-513, -301-521, -301-522, -301-525, -301-526, -301-527, -301-528, -301-529, -301-531, -301-533, -301-534, -301-536, -301-537, -301-542, -301-623, -301-624, -301-625, -301-626, -301-631, -301-632, -301-731, -301-723, -301-724, -301-725, -301-726, -301-728, -301-729, -301-731, -301-732, -301-733, -301-746, -301-764, -301-830**, the Permittee must either include a reference to the appropriate reclamation sections located in the approved MRP that include the proposed disturbed area or provide a reclamation plan for the new disturbance. [JCH]
- R645-301-244, -301-353, -301-354, -301-355, -301-356, -302-280, -302-281, -302-282, -302-283, -302-284**, the Permittee must either include a reference to the Revegetation sections located in the approved MRP that include the proposed disturbed area or provide the information for the new disturbance. [JCH]
- R645-301-232.200**, the Permittee must describe the removal and segregation (stockpiling) of all substitute topsoil from the area to be disturbed during the loadout expansion. [PWB]
- R645-301-320**, the Permittee must either include a reference to the vegetation information located in the approved MRP that includes the proposed disturbed area or provide a vegetation survey for the new disturbance. [JCH]

R645-301-322, the Permittee must either include a reference to the fish and wildlife information located in the approved MRP that includes the proposed disturbed area or provide the information for the new disturbance. [JCH]

R645-301-330, 301-331, 301-332, the Permittee must either include a reference to the vegetation section located in the approved MRP that includes the proposed disturbed area or provide the information for the new disturbance. [JCH]

R645-301-333, 301-342, 301-358, the Permittee must either include a reference to the Protection of Fish, Wildlife and Related Environmental values sections located in the approved MRP that include the proposed disturbed area or include the information for the new disturbance. [JCH]

R645-301-333, 301-342, 301-358, the Permittee must either include a reference to the fish and wildlife sections located in the approved MRP that include the proposed disturbed area or include the information for the new disturbance. [JCH]

R645-301-352, 301-553, 302-280, 302-281, 301-282, 301-283, 301-284, the Permittee must either include a reference to the Contemporaneous Reclamation sections located in the approved MRP that include the proposed disturbed area or provide the information for the new disturbance. [JCH]

R645-301-411, the Permittee must either include a reference to an archaeological survey located in the approved MRP that includes the proposed disturbed area or include a current survey for the new disturbance. [JCH]

R645-301-411, the Permittee must either include a reference to Land-use Resource Maps, such as Archeological Site maps, Cultural Resource maps, and Vegetation Reference Area maps, located in the approved MRP that include the proposed disturbed area or provide the maps for the new disturbance. [JCH]

R645-301-412, -301-413, -301-414, -302-270, -302-271, -302-272, -302-273, -302-274, -302-275, the Permittee must either include a reference to the Postmining Land Uses sections located in the approved MRP that include the proposed disturbed area or include the information for the new disturbance. [JCH]

R645-301-412.200, The county road agreement (references on page 5F-5) must be included in the MRP, because in addition to establishing whether the road remains, this document is important for the purposes of defining reclamation cut/fill balances. [PWB]

645-301-512.250, The Permittee must have all maps and cross section that show the designs for the roads associated with the truck loadout expansion certified by a registered professional engineer. For example, cross sections TS-5 + 400 to TS-5 + 800 were not certified. [WHW]

R645-301-521.120, The Permittee must update Plates 2-1A, 2-3C, 5-6C, 7-1C, and 7-5 to show the new conveyor configuration. [JDS]

R6545-301-521.190, The Permittee must update Table 1-4 to show the addition of 0.05 disturbed acres. In addition, the Permittee must also include a table that shows the permitted acres and the subtotal for federal, state and fee lands. [WHW]

R645-301-526, The Permittee must update Appendix 5-A to show when conveyors and other facilities were added and removed because of the coal loadout modification. [WHW]

R645-301-527.200, The Permittee must show the location of the asphalt and concrete loading pads on the cross sections TS-5 + 400 to TS-5 + 800. [WHW]

R645-301-528.320 and R645-301-528.332, The Permittee must show that the coal loadout road and all associated structures that are constructed with coal-mine waste meet the requirements for coal-mine waste handling and storage and refuse piles. Note: cross sections TS-5 + 400 to TS-5 + 800 show that coal-mine waste will be used in the construction of the coal loadout road. [WHW]

R645-301-534.130, The Permittee must address how the Bear Canyon Haul Road will meet the minimum static safety factor of 1.3. [WHW]

R645-301-534.140, The Permittee must include a reclamation plan for the roads associated with the Bear Canyon Haul Road that includes a plan for placing a minimum of four feet of material over the coal-mine waste and the fracturing of the concrete pads. [WHW]

R645-301-534.140, The Permittee must include a reclamation plan for the roads associated with the truck loadout that include plans for placing a minimum of four feet of material over the coal mine waste and the fracturing of the concrete pads [WHW]

R645-301-742.300, There are discrepancies between Plate 7-1C, Tables 7-23 and 7-24, and several other pages and tables in the submittal. The Permittee must reconcile ambiguous or contradictory information on Plate 7-1C, Tables 7-23 and 7-24, and other pages and tables where needed. This includes but is **not** limited to the following discrepancies found by the Division, and the Permittee needs to check all related text, plans, maps, calculations, and tables for consistency and accuracy:

- AD-3A has been removed from Table 7-23, page 7G-3, 7G-6, 7G-9, and Plate 7-1C; however, Table 7-24 and the table on page 7G-108 show AD-3A reports to D-2D and D-6D, and the table on page 7G-51 shows it reports to C-5D and C-8D.
- AD-3B has been removed from Table 7-23, page 7G-3, 7G-6, 7G-10, and Plate 7-1C; however, Table 7-24 and the table on page 7G-108 show AD-3A reports to

D-7D and D-10D, the table on page 7G-51 shows it reports to C-2D, and the table on page 7-G108 shows it reports to C-7D and D-10D. [JDS]

R645-301-742.300, Information in the Culvert Characteristics table beginning on page 7G-49, the Ditch Characteristics table beginning on page 7G-108, Plates 7-1C, 7_1D, and 7-1E needs to be clarified.

- On Plate 7-1E, the Permittee needs to remove reclaimed culverts and ditches and show realigned undisturbed drainage boundaries.
- In the Culvert Characteristics table on page 7G-49, the names of culverts that are to be reclaimed have been struck-out; the Permittee needs to retain the names in the table for the table to make sense.
- In the Culvert Characteristics (con't) table on page 7G-51, the new diameters (redline) for C-4D and C-5D appear to have been struck-out; the Permittee needs to assure that the new, correct diameters carry over to the final, clean copy.
- The Permittee needs to remove reclaimed culvert C-7U from Plate 7-1C.
- The Permittee needs to update Table 7-24 so it does not indicate U-2B reports to D-19U. AU-2B has been combined with other undisturbed drainages and is no longer a designated drainage, and the table on page 7G-109 shows D-19U as reclaimed.
- Ditches D-3D and D-5D are struck-out in the Ditch Characteristics table on page 7G-108, but the table does not indicate they are to be reclaimed, and D-3D is still shown on Plate 7-1C. The Permittee needs to clarify what the status of these ditches will be when the loadout expansion is completed. [JDS]

R645-301-742.300, After the discrepancies in Plate 7-1C, Tables 7-23 and 7-24, and other pages and tables have been remedied, the Permittee must recalculate all affected hydrograph values and channel-sizing worksheets in Appendix 7G. [JDS]

R645-301-830.100, The Permittee must incorporate the Division's reclamation cost estimate into the MRP. [WHW]

R645-301-830.200, The Permittee must increase the bond to a minimum of \$2,140,000. [WHW]