

**ADMINISTRATIVE COMPLETENESS REVIEW WORKSHEET
(R645-301-150)**

DATE: October 28, 1999
 REVIEWER(S): Wayne Western, Sharon Falvey, Paul Baker, Bob Davidson, Jim Smith
 APPLICANT: CO-OP Mining Company MINE NAME: Bear Canyon Mine
 FILE NO. ACT/015/025-98-1(1)

SF PAB RAD JDS

"Administratively Complete Application" means an application for permit approval or approval for coal exploration, where required, which the Division determines to contain information addressing each application requirement of the State Program and to contain all information necessary to initiate processing and public review.

Directions: The categories listed below correspond to the minimum requirements for information necessary to initiate processing and public review. If a category is checked the Applicant has met the Completeness requirement for that category. If a category is not checked, the Completeness requirements have not been met. The comments column will identify the deficiency and what is necessary to correct it.

		Comments
301-112	Identification of Interests <u> X </u>	
100	Applicant's Business Structure <u> X </u>	
210	Applicant's Name/Address/Phone <u> X </u>	
220	Resident Agent's Name/Address/Phone <u> X </u>	
230	Name/Address/Phone of AML Fees Payer <u> X </u>	
300	Corporate Structure & Ownership <u> X </u>	
400	Identify Other Mining Operations in US <u> X </u>	
500	Surface & Mineral Ownership <u> X </u>	

600	Ownership Contiguous to Permit	<u> X </u>	The application shows owners of lands contiguous to the permit (including proposed) area, but it does not include all of their addresses (Malcolm McKinnon and Emery County). Consider information adequate to initiate review.
700	MSHA Numbers	<u> X </u>	MSHA numbers need to be included in the application.
800	Interest in Contiguous Lands	<u> X </u>	

Comments

301-113	Violation Information	<u> X </u>	No new information received. Consider information adequate to initiate review.
100	Suspension or Revocation Information	<u> X </u>	
300	List of Violations - 3 Previous Years	<u> X </u>	

Comments

301-114	Right of Entry	<u> X </u>	The legal description in Section 2.2.2 corresponds with Plate 2-2.
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Comments

301-115	Status of Unsuitability Claims	<u> X </u>	Hunting cabin is more than 300 feet from proposed operations.
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Comments

301-116	Permit Term	<u> X </u>	
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Comments

301-117	<p>....Insurance <u> X </u></p> <p>....Proof of Publication <u> X </u></p> <p>....Facilities and Structures Used in Common <u> X </u></p>	<p>Publication can be activated following the determination of administrative completeness. Proof of publication will then be submitted.</p>
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Comments

301-118	<p>Filing Fee <u> X </u></p>	<p>Not required.</p>
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Comments

301-123	<p>Notarized Signature of Responsible Official <u> X </u></p>	
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Comments

301-130	<p>Information Collection: Technical Data Accompanied by Names of Persons or Organizations that Collected and Analyzed the Data - Dates of Collections - and Analysis of the Data and Description of the Methodology Used to Collect and Analyze Data <u> X </u></p>	<p>Some baseline data was submitted with laboratory data sheets; laboratory sheets for water chemistry on sites 16-7-24-3, 16-7-24-4 were not provided but are available. Consider information adequate to initiate review.</p>
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Comments

301-200	Soils	<u>X</u>	
211	Description of Pre-mining Soil Resources	<u>X</u>	
212	Soil Resource Protection Measures	<u>X</u>	
221	Prime Farmland Investigation	<u>X</u>	The NRCS has determined that there is no Prime Farmland within the Permit area.
222- 223	Soil Survey and Soil Characterization	<u>X</u>	Plan gives an intensive soil survey which is adequate for assessing soil resources. Soil descriptions for the planned disturbance area include Pathead-Cabba Complex, Winetti, Winetti-Rock Outcrop, Doney, Datino-Guben Complex, Guben-Pathead Complex, and Doney-Cabba-Podo Complex.
224	Substitute Topsoil Info (When Proposed)	<u>X</u>	The original PAP states that due to the large amount of pre-law disturbance in Bear Canyon, in-place disturbed soils and fills will be used for final reclamation plant growth medium. No discussion on using substitute topsoil materials was given for the Wild Horse Ridge area.
230	Operation Plan: Topsoil Handling/Removal/Storage	<u>X</u>	The soil survey estimates the approximate thickness of salvageable soil for each soil map unit. Co-Op proposes to salvage topsoil in accordance with the soil survey. Topsoil will be recovered during construction with soil salvage volumes estimated at 8,493 cy. Salvaged topsoil will be stockpiled in the Wild Horse Ridge disturbance area for the life of the mine.
240	Reclamation Plan: Soil Redistribution/Stabilization	<u>X</u>	Salvaged topsoil will be redistributed during reclamation. The average topsoil replacement depth of 14.5 inches is calculated from the estimated 4.35 re-contoured acres and the 8,493 cy of stockpiled soil. However, the plan currently states that soil replacement depth will be 6 inches.

Comments

301-300	Biology	<u> X </u>	
320	Vegetation Information	<u> X </u>	The application includes adequate information for the Division to commence review, but vegetation productivity information needs to be provided.
322	Fish and Wildlife Information	<u> X </u>	
323	Maps/Photos: Vegetation-Fish-Wildlife Areas	<u> X </u>	
330	Operation Plan: Vegetation-Fish-Wildlife Protection	<u> X </u>	The application will need to contain a commitment to develop a mitigation or enhancement plan in association with Wildlife Resources.
341	Reclamation Plan for Revegetation	<u> X </u>	
342	Fish & Wildlife Plan for Reclamation Phase	<u> X </u>	

301-400	Land Use and Air Quality	<u> X </u>	The application contains a Notice of Intent for an air quality permit. An air quality approval order will need to be obtained.
411	Pre-Mining Land Use Information (Includes Cultural Resources)	<u> X </u>	Some cultural resources information is available that will need to be included in the application.
412	Post-Mining Land Use Information	<u> X </u>	

Comments

301-500	Engineering <u>X</u>	
510 and 520	General Description of Operation Plan: (Maps, Locations, Cross-Sections, Narrative, Descriptions & Calculations) <u>X</u>	Plate 2-4G presents surface facilities information. Plate 3-1 provides cross sections. Other information should be in approved PAP.
522	Coal Recovery Description <u>X</u>	Coal Recovery Description is included on pp 3-20 to 3-28.
523	Mining Methods <u>X</u>	Mining Methods are included on pg 3-13.
524	Blasting and Explosives Plan <u>X</u>	Blasting and Explosives Plan is included on pg 3M-3.
525	Subsidence Control Plan <u>X</u>	Subsidence Control Plan is included on pp 3C-4 to 3C-11.
526	Mine Facilities Description (Narrative, Plans, Maps) Including Existing Structures & Support Facilities <u>X</u>	There are no existing structures (a mine did exist at the site 30 years ago). There are no public roads in the new permit area pg 3-9. Existing and proposed structures are listed on pp 3A-2 to 3A-8. Facilities are provided on Plate 2-4F. Cross sections are provided on Plate 3-1.
527	Transportation Facilities (Including Plans & Maps) <u>X</u>	Wild Horse Ridge road pg. 3-9. Primary roads cross sections are on Plate 3-1. Primary roads are shown on Plate 2-4F.
528	Coal Mine Waste Plans (Description & Designs) <u>X</u>	On Page 3-6 the Applicant states that this information is presented in Section 3.5.8 of the amendment. There is no Section 3.5.8 in the amendment: the reference refers to the MRP.

529	Management of Mine Openings (Design)	<u>X</u>	
531	General Plans for Structures	<u>X</u>	Sediment pond general plans are on provided, pg 3-5.
532	Sediment Control	<u>X</u>	See: Hydrology section for additional comments.
533	Impoundments	<u>X</u>	See: Hydrology section for additional comments.

Comments

301-534	Roads (Plans, Drawings, Designs, & Specifications)	<u>X</u>	<p>Wild Horse Ridge road information is on pg 3-9.</p> <p>Primary road cross sections are on Plate 3-1.</p> <p>Primary roads are shown on Plate 2-4F.</p>
535	Spoil	<u>X</u>	Spoil handling is not addressed. The Division considers spoil information unnecessary, since spoil is usually associated with surface mining.
536	Coal Mine Waste	<u>X</u>	On pp. 3-6 the Applicant states that coal mine waste will be discussed in Section 3.5.8. That section is found in the existing MRP.
537	Regraded Slopes	<u>X</u>	Spoil or underground development waste is not proposed to be retained in settled revegetated fill; therefore, the Applicant did not address this section.
540 541-542	Reclamation Narrative, Maps and Plans	<u>X</u>	<p>Plans to reclaim the Wild Horse Ridge (mine #3) area are given in Section 3.6.12 of the PAP.</p> <p>A timetable is included on pg 3-80. Pond D Reclamation is provided on pg 7-130.</p> <p>Plate 3-2G is a reclamation contour map for the Wild Horse Ridge area.</p>

551	Casing and Sealing: Underground Openings	<u> X </u>	Casing and sealing of Underground Openings is found on pg 3-63.
553	Backfilling and Grading Description	<u> X </u>	A backfilling plan is provided pg 3-111. The Wild Horse Ridge reclamation contour map is on Plate 3-2G.

Comments

301-600	Geology	<u> X </u>	
621	Description of Geology (Permit & Adjacent Area)	<u> X </u>	
622	Geologic Cross-Sections, Maps, and Plans	<u> X </u>	
630	Plans for Casing and Sealing Holes	<u> X </u>	No new bore holes are proposed.

Comments

301-700	Hydrology <u>X</u>	Consider adequate to initiate review.
721	Description of Hydrologic Resources: (Permit and Adjacent Area) <u>X</u>	<p>A new PHC Mayo and Associates, LC 1999 is provided to describes the variation between the previously mined areas and the new lease area.</p> <p>Wells are located north of the proposed permit area. Previous drilling suggests there is no water in the proposed mine area (Charles Reynolds personal conversation 10/28/99). Springs WHR-6(SBC-14) issues from the Spring Canyon formation from the west side of the Wild Horse Ridge. Springs 16-7-24-3 and 16-7-24-4 issue from the Blackhawk formation east of the Wild Horse Ridge. Measured flows were 0.5 to 15 gpm at WHR6 while flows from 16-7-24-3 and -4 are indicated to be seeps and low flow (Charles Reynolds personal conversation 10/28/99). Information on groundwater elevation in the north/south direction, in relation to the coal seam, is not provided. Further review will determine whether this information is necessary. Consider information adequate to initiate review.</p>
722	Cross-Sections and Maps: Subsurface Water - Surface Water - Monitoring Stations - Wells <u>X</u>	Maps are included in the amendment. Some monitoring locations cannot be found on the maps.
723	Sampling and Analysis <u>X</u>	Information shows the sampling and analyses did not meet holding times in some cases.
724	Baseline Information: Ground Water - Surface Water - Geology - Climatological & Supplemental; If Needed <u>X</u>	Lab sheets for some baseline data are not included. Well log scales for the adjacent area north of the site are not clear and related geologic information can not be discerned. BC-3 is a monitored location and is generally dry/ephemeral system, BC-4 is proposed as an upstream operational monitoring site. Consider information adequate to initiate review.
728	PHC Determination <u>X</u>	Appendix 7-P includes a PHC for the Wild Horse Ridge lease additions.

730	General Operation Plan: Minimize Disturbance to Hydrologic Balance & Compliance with Clean Water Act <u>X</u>	Consider information adequate to initiate review.
731	Ground and Surface Water Protection <u>X</u>	
732	Ground and Surface Water Monitoring <u>X</u>	

Comments

301-740	Plans and Designs: Operation and Reclamation Plan Sediment Control Measures <u>X</u>	
	....Siltation Structures <u>X</u>	Siltation structure designs are included in Appendix 7-H for reclamation ASCA's
	....Sediment Ponds <u>X</u>	Sedimentation pond designs are provided in Appendix 7-F.
	....Other Treatment Facilities <u>X</u>	N/A
	....Diversions <u>X</u>	Appendix G contains diversion calculations for pad and road areas. Reclamation diversion designs are included in Appendix 7-H for pad and road areas.
	....Road Drainage <u>X</u>	
	....Impoundments <u>X</u>	
	....Discharge Structures <u>X</u>	
	....Disposal of Excess Spoil <u>X</u>	An excess spoil site is not proposed.
	....Coal Mine Waste <u>X</u>	A coal mine waste site is not proposed
	....Disposal of Non-Coal Mine Waste <u>X</u>	Disposal of non-coal mine waste is addressed in Chapter 3.
	....Casing and Sealing of Wells <u>X</u>	Casing and sealing wells is discussed in the existing permit.

Comments

301-800	Bonding and Insurance	<u> X </u>	
820	Applicant: Have Adequate Bond at Permit Issuance	<u> X </u>	
830	Bond Estimate and Calculations Provided	<u> X </u>	
890	Certificate of Insurance Provided	<u> X </u>	

Comments

302-200	Special Categories of Mining	<u> X </u>	N/A
210	Experimental Practices Mining	<u> X </u>	N/A
220	Mountaintop Removal Mining	<u> X </u>	N/A
230	Steep Slope Mining	<u> X </u>	N/A
240	Auger Mining	<u> X </u>	N/A
250	In Situ Processing Activities	<u> X </u>	N/A

Comments

302-260	Coal Processing Plants (Not Located Within Permit Area of Mine)	_____	N/A
270	Variations From Approximate Original Contour Restoration Requirements	_____	No variance from approximate original contour is requested.
280	Variations for Delay in Contemporaneous Reclamation Requirement in Combined Surface and Underground Coal Mining Activities	_____	N/A
290	Small Operator Assistance Program (SOAP)	_____	N/A

302-300	Special Areas of Mining	_____	N/A
301	Prime Farmland	<u> X </u>	The NRCS has determined that there is no prime farmland within the permit area.
302	Alluvial Valley Floors	<u> X </u>	The NRCS stated that alluvial soils exist in the bottoms of Fish Creek Canyon and the right fork of Bear Creek. These areas are located adjacent to the streams and are very narrow. The above statement is given on the NRCS letter for prime farmlands with the alluvial soils shown on an attached map.