



P.O. Box 326, Cañon City, CO 81215

angela@envalternatives.com

719-275-8951

October 19, 2020

Patrick Lennberg
Division of Reclamation Mining and Safety
1313 Sherman Street, Room 213
Denver, CO 80203

RE: M-2006-054 Ordway Pit
Second Adequacy Response; (AM-01) to 112 Permit

Dear Mr. Lennberg,

Please accept this correspondence in response to the Second Adequacy Review dated October 16, 2020.

Rule 6.4.5 Exhibit E Reclamation Plan

1. The plan was revised to reflect 10 acre working mine areas.
2. Haul roads will be reclaimed.

Rule 6.4.6 Exhibit F Reclamation Plan Map

3. The maps are signed.

Rule 6.4.12 Exhibit J Reclamation Costs

4. Arkansas Valley Ranch accepts the bond as calculated and will post the additional amount of \$7.945.00

Rule 6.3.6 Proof of Placing with Crowley County Clerk and Recorder

5. The proof of placing with Crowley County is provided herein.

Please direct correspondences and question to Angela Bellantoni at angela@envalternatives.com or 719-275-8951.

Respectfully submitted,

Angela M. Bellantoni Ph.D.



Cc: Peter Hurt

Enclosures:

Exhibit E Reclamation Plan

Exhibit F Reclamation Plan Map

Exhibit R Proof of Filing with Crowley County Clerk

6.4.5 Exhibit E

Reclamation Plan

Post-mining land use will be rangeland, consistent with pre-mining land use and adjoining property.

Topsoil and overburden, if present, will be salvaged with a scraper or a loader and bulldozer and placed in stockpiles. The stockpiles will be compacted to prevent erosion.

When a 10-acre area is mined out, it will be reclaimed as mining moves into a new 10-acre area. Final grading will include sloping sides to 3H:1V or gentler depending on quantity of overburden. The mine floor will be graded to blend with the south adjoining ranch land.

Native topsoil is less than four inches deep across the permit area. To optimize revegetation success, salvaged topsoil will be amended with manure at the rate of 10 tons per acre. The amended topsoil will be distributed using a dozer and loader, depending on the location of the topsoil pile in relation to the area to be reclaimed. The amended topsoil will be placed to an approximate depth of four to six inches. The topsoil layer will be compacted with a dozer. Seed will be applied directly to the amended topsoil without mulch.

Seeding will occur either in the fall or spring with the seed mix suggested by the NRCS and provided herein. Seed will be drilled at the rate of 46.5 pounds per acre. If seed is broadcast, the application rate will be doubled. No shrubs or trees will be included in revegetation.

Fertilizer was not recommended by Soil Conservation District or Colorado Department of Wildlife. In the event an agency recommends a fertilizer prior to or during reclamation, the Division will be notified and Arkansas Valley Ranch will comply with the recommendation.



DESIGNED BY Andy Jesik		DRAWN BY Matt Bishop		CHECKED BY Andy Jesik		PROJECT NUMBER	
102-D Oneida Street Pueblo, Colorado 81003 (719) 582-5588 www.jesik.us				DATE 10-11-2020		SCALE HORZ : 1:100 VERT : ----	
ARKANSAS VALLEY RANCH RECLAMATION MAP EXHIBIT F ORDWAY, CO				NO. REVISION		APPVD DATE	
				1		2	
				3		4	



DESIGNED BY	ANDY JESIK	NO.	1	REVISION		APPVD		DATE	
DRAWN BY	MATT BISHOP	NO.	2	REVISION		APPVD		DATE	
CHECKED BY	ANDY JESIK	NO.	3	REVISION		APPVD		DATE	
PROJECT NUMBER	39781	NO.	4	REVISION		APPVD		DATE	

ARKANSAS VALLEY RANCH
RECLAMATION MAP
EXHIBIT F
ORDWAY, CO

102-D Oneida Street
Pueblo, Colorado 81003
(719) 582-5588
www.jesik.us

DATE
10-11-2020

SCALE
HORZ : 1:150
VERT : ----

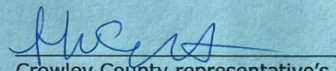
SHEET
5

COLORADO LICENSED
JOSEPH A. JESIK
39781
10-19-20
PROFESSIONAL ENGINEER

6.4.18 Exhibit R

Proof of Filing with County Clerk and Recorder

I Hope Schlunat, of Crowley County Clerk and Recorder's Office located at 631 Main Street, Suite 102, Ordway, Colorado received from Angela Bellantoni Ph.D. of Environmental Alternatives, Inc. the CO Division of Reclamation Mining and Safety amendment application for the Ordway Pit on behalf of Arkansas Valley Ranch.


Crowley County representative's signature

10-20-2020
Date

CROWLEY COUNTY CLERK
RECEIVED