



## COLORADO

Division of Reclamation,  
Mining and Safety

Department of Natural Resources  
1313 Sherman Street, Room 215  
Denver, Colorado 80203

December 04, 2017

Dan Giroux  
Terramax, Inc.  
4220 Golf Vista Drive  
Loveland, CO 80537

**Re: Wagner/Kauffman Pit #3, Permit No. M-1999-069, Surety Reduction Request, Revision No. SR-1, Adequacy Review No. 2**

Mr. Giroux:

On November 17, 2017, the Division of Reclamation, Mining and Safety (Division) received your response to the Division's first adequacy review letter for Revision No. SR-1. We have determined the following additional information is required in order for the Division to calculate the required financial warranty for the site:

- 1) Average depth of backfill placement in West Cell area.
- 2) Estimated acreage in West Cell area to receive backfill placement.
- 3) Average depth of topsoil placement.
- 4) Itemized cost estimate for importing backfill material; or, if material has already been hauled to the site, give estimated volume of material available and average push/haul distance.
- 5) Photographic evidence showing Triangular Area has been backfilled to cover exposed groundwater observed during last inspection on April 14, 2017.
- 6) Provide revegetation details in accordance with the approved reclamation plan (i.e., seed mixture, quantity of each species as pounds of PLS per acre, application method for seeding, fertilizer type and application method if required, tilling method if required, mulch and application method if required). A copy of the last approved seed mixtures is enclosed for your review. Please confirm which of the seed mixtures is to be used for areas remaining to be revegetated.
- 7) Include costs for interseeding portions of East Reservoir shoreline, including estimated acreage to be interseeded. (Revision No. AM-1 indicated reservoir shorelines above anticipated water level will be revegetated).



- 8) Specify equipment to be used for each task (i.e., backfill hauling and placement, topsoil hauling and placement, revegetation).
- 9) Include costs for mobilization and demobilization of equipment.

Please keep in mind while preparing this information that, pursuant to Rule 4.14.1(2)(b), the cost estimate must include actual costs to reclaim the site based on what it would cost an independent contractor to complete reclamation. Please submit the required information at least once week prior to the Revision No. SR-1 decision date of December 28, 2017.

If you have any questions, you may contact me by telephone at 303-866-3567, ext. 8129, or by email at [amy.eschberger@state.co.us](mailto:amy.eschberger@state.co.us).

Sincerely,



Amy Eschberger  
Environmental Protection Specialist

Enclosure: Seed Mix Responses to Adequacy Review Comments, Amendment AM-01, received January 12, 2006

Cc: Mary Kauffman  
Jake Kauffman & Son, Inc.  
808 SCR 9E  
Loveland, CO 80537

Wally Erickson, DRMS





**Applegate  
Group, Inc.**

**RECEIVED**

**JAN 12 2006**

Division of Minerals and Geology

January 10, 2006

Colorado Department of Natural Resources  
Division of Minerals and Geology  
Attn: Ms. Erica Crosby  
1313 Sherman Street; Room 215  
Denver CO, 80203

**RE: Seed Mix Responses to Adequacy Review Comments, Amendment AM-01 for  
Jake Kauffman & Son, Inc. Wagner/Kauffman Pit #3, M-1999-069**

Dear Ms. Crosby:

The following discussion is submitted on behalf of our client, Jake Kauffman & Son, Inc., in response to the Adequacy Review comments prepared by the Division of Minerals and Geology dated December 21, 2005 and our phone conversation on January 6, 2006 for the Wagner/Kauffman Pit #3 Amendment AM-01.

As per the land owner request, the applicant does not propose changing the seed mix for Phase I of the Wagner/Kauffman Pit #3. Phase I is the area located on the Flying W Ranch property. The seed mix will remain as previously approved in TR-01 and listed below:

<u>Variety</u>	<u>#PLS/acre</u>
Big Bluestem, Kaw	3.3
Switchgrass, Alamo	1.2
Yellow Indiangrass, Holt	2.0
Sideoats Grama, Vaughn	1.8
Little Bluestem, Pastura	1.4
Blue Grama, Lovington	1.0
Western Wheatgrass, Arriba	3.2
Slender Wheatgrass, San Luis	2.0
Louisiana Sagewort, Summit	0.5
Winterfat, Hatch	0.5
Rocky Mountain Penstemon, Bandera	0.5
Purple Prairieclover, VNS	0.5
Upright Prairie Coneflower, VNS	0.5
Colorado Butterflyplant, VNS	0.5
Fourwing Saltbush (dewinged), VNS	0.5

Ms. Erica Crosby

RE: Jake Kauffman & Son, Inc. Wagner/Kauffman Pit #3 Amendment AM-01

January 10, 2006

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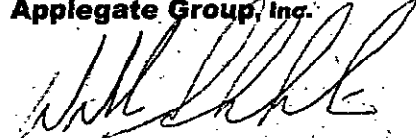
For Phase II (including the amended area from the Kauffman Pit permit) and Phase III of the site, the applicant proposes the following seed mix for AM-01 of the Wagner/Kauffman Pit #3. The seed mix is a combination of the seed mix previously approved in TR-01 and varieties that have been used successfully on adjacent properties owned by the applicant.

<u>Variety</u>	<u>#PLS/acre</u>
Western Wheat Grass, Native	3.5
Russian Wildrye, Swift	3.0
Smooth Brome, Lincoln	2.0
Slender Wheat Grass	2.0
Blue Grama, Butte	1.5
Indian Rice Grass, Rimrock	1.0
Sideoats Grama, Butte	1.0

If you have any questions, please do not hesitate to call me at (303) 452-6611.

Sincerely,

**Applegate Group, Inc.**



William Schenderlein, P.E.  
Project Engineer

WKS/ta

cc: Mary Kauffman, Jake Kauffman & Son, Inc.

AG File No 04-166