

EXHIBIT E

RECLAMATION PLAN

Reclamation will be ongoing throughout the operation and will consist of grading the affected areas to a slope of 3H:1V or flatter as individual areas have had all useful sand and gravel removed. Areas along the eastern edge of the permitted area will not be mined as these areas are too steep and rocky for mining operations. The reclaimed areas will have less slope than in the current state, making the reclaimed rangeland more productive than in its current state.

Reclamation of the original Gaede pit area will begin first, and move southward following mining operations. Topsoil removed prior to mining will be stored on site and used in reclamation. The topsoil stockpiles may be planted with a quick growing cover for stabilization. If there is no natural growth from this topsoil, the areas will be seeded by drilling or broadcasting depending on topography with a seed mix from the original Gaede Pit Reclamation plan which consists of thirty percent blue grama, thirty percent sideoats grama, twenty percent switchgrass, and twenty percent little bluestem. The area may be fertilized if necessary to ensure growth. The area will not be fenced in to allow wildlife to travel through the area. During reclamation, areas may be temporarily fenced in to help establish vegetation. These fences will be taken down after vegetation is established.

CO-ECS-5
(180-12-11)
Rev. 4/92

PART I - GRASS SEEDING PLANNED

Producer: Gaede Pit Planner: BJ Date: 8/99
 Contract or Agreement # - Contract Item No. - Field No. -
 Practice Name & No. 342 Ac. 10 Irrigated - Dryland X
 Land Resource Area 67 Range Site grave breaks
 Seedbed Preparation: Method - Approximate dates -
 Dead Litter Cover: - Kind, Pounds residue needed. -
Clean till, Firm Seedbed, Interseed, Other -
 Seeding Operation: Drill X Interseed - Broadcast - Date Nov 1 - May 15
 Drill spacing 10" Type grass Planting depth 1/2
 Fertilizer: Pounds actual available nutrient per acre recommended.
 Nitrogen (N2) - Phosphorus (P2O5) - Potassium (K) -
 Weed Control: Chemical, Kind & Amount - Mechanical -
 Flash Grazing - Dates -
 Mulch: Kind native hay Amount 4000 lbs/Ac. How applied broadcast
 How anchored crimp Anchored depth 3"

Seed Recommendations

Species	Variety	(1) Required PLS rates per acre (100%)	(2) % of species in mixture
blue grama	Hitchita	3.0	30
side oats grama	El Reno	9.0	30
switch	Blackwell	5.0	20
little bluestem	Cimarron	7.0	20

(3) PLS seeding rate per species/Ac. (1)x(2)	(4) Planned Acres	(5) Total PLS lbs/ species planned (3)x(4)
.9	10	9
2.7		27
1.0		10
1.4		14

SCS cost shared programs such as Great Plains, Watershed activities, RC&D measures and any other program requires the use of Certified Seed (Blue Tag) if available.

Remarks

Gaede Pit Expansion

Reclamation Map

Created 1/12/2018 by Trey James





STATE OF
COLORADO

Cazier - DNR, Tim <tim.cazier@state.co.us>

RE: M-1978-051 Second Adequacy Review

1 message

Trey James <lclanduse@esrta.com>

Fri, Jan 12, 2018 at 1:01 PM

To: "Cazier - DNR, Tim" <tim.cazier@state.co.us>

Tim,

I have attached the changes to the reclamation plan (Exhibit E) and to the reclamation map. If you need these mailed as well please let me know.

Thanks,

Trey James

Lincoln County Land Use

P.O. Box 39

Hugo, CO 80821

Office: (719) 743-2337

Fax: (719) 743-2815

lclanduse@lincolncountyco.us

From: Cazier - DNR, Tim [mailto:tim.cazier@state.co.us]

Sent: Friday, January 12, 2018 11:51 AM

To: Trey James <lclanduse@esrta.com>

Subject: M-1978-051 Second Adequacy Review

Trey,

We're almost there, just a couple more clarifications. Attached is a pdf file of the hard copy I just put in today's mail.

Please give me a call if you have any questions (and be aware Monday the 15th is a State holiday). If you need more time to address these last few issues, just send me an extension request.

Tim Cazier, P.E.

Environmental Protection Specialist

P [303.866.3567](tel:303.866.3567) x8169 | F [303.832.8106](tel:303.832.8106) | C [303.328.5229](tel:303.328.5229)

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Virus-free. www.avast.com

2 attachments



EXHIBIT E.docx

15K



Rec Map Jan.pdf

4678K

STATE OF
COLORADO

Cazier - DNR, Tim <tim.cazier@state.co.us>

RE: M-1978-051 Second Adequacy Review

1 message

Trey James <lclanduse@esrta.com>
To: "Cazier - DNR, Tim" <tim.cazier@state.co.us>

Fri, Jan 12, 2018 at 2:03 PM

Tim,

Please see the attached Seed Plan for the original Gaede Pit. This plan will be used for the expansion of the Gaede Pit as well, so the total numbers on the plan are the only thing that will change.

Thanks,

Trey

From: Cazier - DNR, Tim [mailto:tim.cazier@state.co.us]
Sent: Friday, January 12, 2018 11:51 AM
To: Trey James <lclanduse@esrta.com>
Subject: M-1978-051 Second Adequacy Review

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Tim Cazier, P.E.

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tim.cazier@state.co.us | www.mining.state.co.usVirus-free. www.avast.com**Gaede Seed Plan.pdf**

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