

**STATE OF  
COLORADO****Ebert - DNR, Jared** <jared.ebert@state.co.us>

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**Ayers Pit**

5 messages

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**Ebert - DNR, Jared** <jared.ebert@state.co.us>  
To: Ben Langenfeld <benl@lewicki.biz>

Tue, Jun 27, 2017 at 10:03 AM

Ben,

I received your response to the adequacy review for the Ayer's Pit. Your letter indicated that you revised page E-3. This page was not included with the revised text. Could I get an electronic copy of this page?

Thanks,

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Jared Ebert

Environmental Protection Specialist III

**COLORADO**  
Division of Reclamation,  
Mining and Safety  
Department of Natural ResourcesP [303.866.3567](tel:303.866.3567) ext. 8120 | F [303.832.8106](tel:303.832.8106) |

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**Ebert - DNR, Jared** <jared.ebert@state.co.us>  
To: Ben Langenfeld <benl@lewicki.biz>

Tue, Jun 27, 2017 at 10:19 AM

I also need page G-2.

Thanks,

Jared

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**Ben Langenfeld** <benl@lewicki.biz>  
To: "Ebert - DNR, Jared" <jared.ebert@state.co.us>

Tue, Jun 27, 2017 at 10:22 AM

Here you go.

Ben Langenfeld, P.E.

Greg Lewicki and Associates

3375 W Powers Circle

Littleton, CO 80123

[benl@lewicki.biz](mailto:benl@lewicki.biz)

Office: (720) 842-5321

Cell: (303) 960-5613

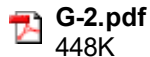
**From:** Ebert - DNR, Jared [mailto:[jared.ebert@state.co.us](mailto:jared.ebert@state.co.us)]

**Sent:** Tuesday, June 27, 2017 10:20 AM

**To:** Ben Langenfeld <[benl@lewicki.biz](mailto:benl@lewicki.biz)>

**Subject:** Re: Ayers Pit

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**Ebert - DNR, Jared** <[jared.ebert@state.co.us](mailto:jared.ebert@state.co.us)>

Tue, Jun 27, 2017 at 10:33 AM

To: Ben Langenfeld <[benl@lewicki.biz](mailto:benl@lewicki.biz)>

Can I get E-3 as well?

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**Ben Langenfeld** <[benl@lewicki.biz](mailto:benl@lewicki.biz)>

Tue, Jun 27, 2017 at 10:37 AM

To: "Ebert - DNR, Jared" <[jared.ebert@state.co.us](mailto:jared.ebert@state.co.us)>

See attached.

Ben Langenfeld, P.E.

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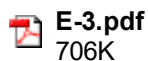
Cell: (303) 960-5613

**From:** Ebert - DNR, Jared [mailto:[jared.ebert@state.co.us](mailto:jared.ebert@state.co.us)]

**Sent:** Tuesday, June 27, 2017 10:33 AM

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**Table E-3 Seed Mixes**

<b>Dry rangeland</b>	<b>lbs PLS//acre</b>
Sheep fescue	0.5
Mountain brome	3.0
Big bluegrass	0.5
Slender wheatgrass	2.0
Parry's oatgrass	2.0
Timothy grass	0.25
Prairie junegrass	0.15
Needlegrass	2.0
Bluebunch wheatgrass	1.0
Red clover	0.50
White dutch clover	0.25
Birdsfoot trefoil	0.25
<b>Total</b>	<b>12.40</b>

Broadcast seeding will be the method used to seed the site. If drill seeding is used anywhere, the seed application rate from Table E-3 will be halved. Mulch will be crimped into the revegetated areas at a rate of 2000 lbs/ac.

## **6. Post-Reclamation Site Drainage**

Post reclamation site drainage will be similar at any stage of reclamation: a gently sloping hillside down 20 feet into an excavated area of pastureland. This topography will be consistent with topography in the area with incised areas depressed below the greater South Platte River Valley.

Revegetation according to DRMS and NRCS standards will return the reclaimed pastureland areas of the site to the same drainage patterns and capacities as before or better.

Details regarding surface water can be found in Exhibit G.

## **7. Revegetation Success Criteria**

Revegetation will be deemed adequate when erosion is controlled, and the vegetation cover is similar to the existing cover, and satisfactory according to Division standards.

Runoff in the active mining area will remain in the disturbed area, as the mining activity will create a depression that will contain all runoff in the disturbed area. No water rights will be affected and no water will be detained for more than 72 hours.

The post mining and reclamation drainage condition will be similar to the mining one, with the windrows along the south and east perimeter of the highwall removed. In general, runoff from the east will still flow up to the reclaimed slopes, and all other runoff directions will continue to flow away from the reclaimed area due to the dune's natural outer slopes.

### **3. Ground Water**

Ground water is believed to be roughly five feet below the current pit floor. This is the alluvial river aquifer of the South Platte River. Mining will not be conducted any deeper than the current pit floor. If an area is over excavated it will be promptly filled to cover the exposed ground water.

#### **3.1 Existing Wells**

No wells are within 600 feet of the active mine area.

### **4. Water Consumption for the Operation**

Ayers Pit only conducts dry screening. Since the production levels at the pit are so low, it does not need to water for dust control.