

STATE OF  
COLORADO

Eschberger - DNR, Amy &lt;amy.eschberger@state.co.us&gt;

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## DDD Mine Bond

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Jason McGraw &lt;Jason.McGraw@generalshale.com&gt;

Thu, Jul 1, 2021 at 1:15 PM

To: "Eschberger - DNR, Amy" &lt;amy.eschberger@state.co.us&gt;

Hello Amy,

I reviewed the bond numbers for DWR and DEB Mines. Could you review the bond with the following changes

### DWR Mine

1. I would propose that we do the entire DWR back filling plus the topsoil with 627 G scrapers. I would use 200 loads per day production which is what we had in 2016 when they were backfilling. We have a large overburden and grog stockpile that we would use to backfill the pit with. We should have enough material onsite to do this work. This would eliminate the dozer work and loader work.
2. Could we use a 140M motor grader to save cost? 140 graders are the most common out there.
3. Could we change blade and water truck utilization to 50%. I typically have the blade operator run the water truck because there is not enough work to run both machines.
4. Could we use a D6 instead of a D8 onsite? Maybe it is cheaper to stick with D8 for mobilization purposes.

### DEB Mine

1. I have the eastern pond at 9,833 cubic yards and the west pond at 1,482 cubic yards. Could you update those quantities?
2. For the loader could we use 1 each 980 size loader or even a 988 loader as a scenario? They can carry much more material.
3. The western pit highwall is already at a 3:1. Could we remove the back fill length for this highwall? This would remove 300 feet.
4. Could we plug in a D9 to shape the highwall? See if it saves any cost or if we are better with a D8.
5. I would propose to use 2 627 scrapers for the topsoil.

The mobilization cost for 2 D8 bulldozers are different. Shouldn't they be the same?

Please feel free to give me a call to discuss.

Thank you,

**Jason E. McGraw**

**Mine Supervisor**

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