



final questions AM-1

lbarker@aumining.net <lbarker@aumining.net>
To: - Russell <elliott.russell@state.co.us>

Thu, Nov 18, 2021 at 6:44 PM

Elliott-will include fiber in all concrete

- will make a containment pad out of chemical storage floor
include- back slope,back berm, and side wall containment

will get these final review items posted tomorrow, and send you a copy of verification.

Lance



Concrete Fiber and Chemical Room Backside Curb AM1 M2014045

Russell - DNR, Elliott <elliott.russell@state.co.us>
To: Lance Wayne Barker <lbarker@auminig.net>
Cc: Jason Musick - DNR <jason.musick@state.co.us>

Thu, Nov 18, 2021 at 2:18 PM

Lance,

The Division will be able to approve the AM1 tomorrow if you can address the following two things (informally via email is fine):

- The plan says "the addition of fiber to the concrete can add more vibration tolerance and may be included" and the design says "Concrete shall have compressive strength of 2,500 psi or greater and can include fiber". The "may" and "can" terms are confusing and I am not sure if you'll be using fiber or not; please commit to adding fiber to the concrete.
- If you're able to add a small curb to the back of the chemical storage room, it will serve as tertiary containment and will be an added layer of protection. As the floor is planned to have a 1% slope, I have calculated that it'll drop somewhere around 3 inches; having a 3" high curb in the back will allow the pad to have a containment of around 233 gallons if there is also a small amount of grout on the ribs. Please commit to adding a curb in the back of the chemical storage room.

Please let me know if you have any questions.

Thanks

Elliott Russell
Environmental Protection Specialist
Minerals Regulatory Program



COLORADO
Division of Reclamation,
Mining and Safety
Department of Natural Resources

I am working remotely and can be reached at 303.903.4456

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