

MINE CONTACT REPORT FORM

Date of Call: _____ **Date of E-mail:** 11/28, 29, & 30/22
Telephone call to: _____ **DENR Employee Contacted:** Roberta Hudson, Eric Holm
Operator Contacted: Crystal Hocking (RESPEC) and Matt Zietlow (Warf)
Company: _____
Telephone: _____
Staff Signature: _____ \s/

From: Hudson, Roberta <Roberta.Hudson@state.sd.us>
Sent: Wednesday, November 30, 2022 4:38 PM
To: Crystal Hocking <crystal.hocking@respec.com>; Zietlow, Matthew <mzietlow@coeur.com>
Cc: Holm, Eric <Eric.Holm@state.sd.us>
Subject: RE: [EXT] [External Email]RE: Wharf seed mix

We found a conflict in the maps and the cross sections that needs to be addressed. Under response it has been stated that the extent of the pit is the same as the extent of the pit backfill (wasterock). However, Exhibit 37 F-F' shows waste rock outside of the pit extent. If this is accurate, the waste rock fill on the west side of the Boston Expansion needs to be shown on the Plan Map. This cannot be counted as an ancillary facility if it is being utilized for waste rock disposal. Or the cross section needs to be fixed to not show waste rock extending out of the pit which may also require a fix of Exhibits 31A and 31B to show the change to contours as a result of the change in the cross section.

From: Hudson, Roberta
Sent: Wednesday, November 30, 2022 3:56 PM
To: Crystal Hocking <crystal.hocking@respec.com>; Zietlow, Matthew <mzietlow@coeur.com>
Cc: Holm, Eric <Eric.Holm@state.sd.us>
Subject: RE: [EXT] [External Email]RE: Wharf seed mix

Another completeness comment – Please include pre-mining contours on the cross-sections provided for E-E' and F-F' on Exhibits 36 and 37.

From: Hudson, Roberta
Sent: Wednesday, November 30, 2022 11:38 AM
To: Crystal Hocking <crystal.hocking@respec.com>; Zietlow, Matthew <mzietlow@coeur.com>
Cc: Holm, Eric <Eric.Holm@state.sd.us>
Subject: RE: [EXT] [External Email]RE: Wharf seed mix

One more completeness comment – Exhibit 24 the reference to 45-6B-6(8) is incorrect for the content of the map. Please correct.

From: Hudson, Roberta
Sent: Wednesday, November 30, 2022 9:43 AM
To: 'Crystal Hocking' <crystal.hocking@respec.com>; 'Zietlow, Matthew' <mzietlow@coeur.com>; Ken Nelson (<knelson@coeur.com>) <knelson@coeur.com>
Cc: Holm, Eric <Eric.Holm@state.sd.us>; Lees, Michael <Michael.Lees@state.sd.us>
Subject: RE: [EXT] [External Email]RE: Wharf seed mix

Crystal and Matt,

Here are a few more procedural completeness items we have found. I apologize for providing this information to you piecemeal, however, in order to get this on the February BME agenda we need all completeness items submitted by the end of the day on December 5. So please get us a response to all of these items as soon as possible.

1. Table 1-2 – ARSD 74:29:07:08(4) lists the incorrect reference.
2. Exhibit 23 does not appear to be the shapefile data submitted to Eric Holm on November 21, 2022. Please submit the correct version.
3. There is no regulation referenced on Exhibit 21. Please correct.
4. The response provided to Comment #14 under the Procedural Completeness section of the November 21, 2022 response letter, states that Wharf staff have experience in developing and implementing reclamation plans based on success at Golden Reward, Annie Creek, and Ross Valley. DANR would like to point out that, with the exception of State Mine Permit #476, those reclamation plans for those facilities were developed 20 years ago and none of the employees involved in the development of those plans are currently employees at Wharf Resources. Please provide the qualifications of Wharf employees involved in the development and implementation of reclamation plans. In addition, if any ReSpec employees were also involved in the development of the reclamation plans, the qualifications should also be included for those individuals as well.
5. SDCL 45-6B-41, ARSD 74:29:02:11(9), and ARSD 74:29:07:09 – Please submit a conceptual map showing potential erosion and sediment control structures for the expansion area. An example of this has been taken from the 2011 American Eagle Expansion Permit and attached to this email.

Please let us know if you have any questions.

Thank you.

Roberta Hudson, PE

Engineer Manager I
Minerals and Mining Program

From: Hudson, Roberta
Sent: Tuesday, November 29, 2022 3:00 PM
To: Crystal Hocking <crystal.hocking@respec.com>; Zietlow, Matthew <mzietlow@coeur.com>
Cc: Holm, Eric <Eric.Holm@state.sd.us>
Subject: RE: [EXT] [External Email]RE: Wharf seed mix

We have found a couple more issues.

1. Please provide a copy of the SWPP as supplemental information to the permit.
2. Section 3.12.6 – Please specify in the text which of the drainages near to the Boston Expansion Project are classified as coldwater fisheries.

Roberta Hudson, PE

Engineer Manager I
Minerals and Mining Program

From: Hudson, Roberta
Sent: Tuesday, November 29, 2022 2:11 PM

To: Crystal Hocking <crystal.hocking@respec.com>; Zietlow, Matthew <mzietlow@coeur.com>
Cc: Holm, Eric <Eric.Holm@state.sd.us>
Subject: RE: [EXT] [External Email]RE: Wharf seed mix

Crystal,

Also, in Section 1.1 – SDCL 45-6B-32, there needs to be a more clear definitive statement that Wharf is currently in violation of state law in regards to the selenium issue on False Bottom Springs.

Roberta Hudson, PE

Engineer Manager I
Minerals and Mining Program

From: Hudson, Roberta
Sent: Tuesday, November 29, 2022 2:01 PM
To: Crystal Hocking <crystal.hocking@respec.com>; Zietlow, Matthew <mzietlow@coeur.com>
Cc: Holm, Eric <Eric.Holm@state.sd.us>
Subject: RE: [EXT] [External Email]RE: Wharf seed mix

Crystal,

It appears there are another couple of corrections that need to be made.

1. In Section 1.1 – SDCL 45-6B-32, the second sentence has “the surety bond for the Boston Expansion is covered by the current bond.” This statement needs to be revised as the estimated bond requirements for this project have not been determined yet. It would be more appropriate to refer to the bond estimate included in the application. The estimate must be reviewed by DANR and further discussions and analysis between DANR and Wharf prior to the bond being finalized.
2. Table 1-1 – Some of the references for SDCL 45-6B-32 and subsections need to be updated to include Section 1.1.
3. Exhibit 23 – There is no note in the legend stating the backfill extent is the same as the pit extent.

Additional question – Why was the bonding section removed from the reclamation plan submitted to the Determans?

We will keep sending questions as they come up.

Thanks!

Roberta Hudson, PE

Engineer Manager I
Minerals and Mining Program

From: Crystal Hocking <crystal.hocking@respec.com>
Sent: Tuesday, November 29, 2022 12:32 PM
To: Holm, Eric <Eric.Holm@state.sd.us>; Zietlow, Matthew <mzietlow@coeur.com>

Cc: Holm, Eric <Eric.Holm@state.sd.us>; Hudson, Roberta <Roberta.Hudson@state.sd.us>
Subject: RE: [EXT] [External Email]RE: Wharf seed mix

You're right. Sorry that got overlooked on the revision. Please use the replacement page attached.



Crystal M. Hocking, PG PE

RESPEC

605.394.6451



From: Holm, Eric <Eric.Holm@state.sd.us>
Sent: Tuesday, November 29, 2022 10:35 AM
To: Crystal Hocking <crystal.hocking@respec.com>; Zietlow, Matthew <mzietlow@coeur.com>
Cc: Holm, Eric <Eric.Holm@state.sd.us>; Hudson, Roberta <Roberta.Hudson@state.sd.us>
Subject: RE: [External Email]RE: Wharf seed mix

Matt or Crystal, after reviewing the revised seed mix on page 104, the nurse crop seeding rates and species in Table 6-1 does not match the recommendations of Tyler Swan of the NRCS in the emails below. Does Table 6-1 need to be modified to match those recommendations?

From: Crystal Hocking <crystal.hocking@respec.com>
Sent: Monday, November 28, 2022 2:28 PM
To: Hudson, Roberta <Roberta.Hudson@state.sd.us>; Holm, Eric <Eric.Holm@state.sd.us>
Cc: Zietlow, Matthew <mzietlow@coeur.com>
Subject: RE: [EXT] [External Email]RE: Wharf seed mix

Not a problem. The table from the NRCS as pdf is attached. As is replacement page 105 of the application report.

Per the tracking info, the hard copies were delivered last Wed .

Your shipment
1ZX7836V0194385879

✓ Delivered On
Wednesday, November 23 at 10:26 A.M. at Inside Delivery

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Crystal M. Hocking, PG PE
RESPEC
605.394.6451



From: Hudson, Roberta <Roberta.Hudson@state.sd.us>
Sent: Monday, November 28, 2022 1:16 PM
To: Crystal Hocking <crystal.hocking@respec.com>; Holm, Eric <Eric.Holm@state.sd.us>
Cc: Zietlow, Matthew <mzietlow@coeur.com>
Subject: RE: [External Email]RE: Wharf seed mix

Thank you Crystal. Could you please scan in the document as a .pdf? Is the hard copy also on its way?

Bobbie

From: Crystal Hocking <crystal.hocking@respec.com>
Sent: Monday, November 28, 2022 2:13 PM
To: Holm, Eric <Eric.Holm@state.sd.us>; Hudson, Roberta <Roberta.Hudson@state.sd.us>
Cc: Zietlow, Matthew <mzietlow@coeur.com>
Subject: FW: [EXT] [External Email]RE: Wharf seed mix

Eric and Bobbie,

I'm forwarding this on behalf of Wharf. Attached is the revised seed mix approved by the NRCS. If you need anything else for this, let me know.



Crystal M. Hocking, PG PE
RESPEC
605.394.6451



From: Swan, Tyler - NRCS, Belle Fourche, SD <Tyler.Swan@usda.gov>
Sent: Monday, November 28, 2022 10:27 AM
To: Zietlow, Matthew <mzietlow@coeur.com>
Subject: RE: [External Email]RE: Wharf seed mix

Matt,

Attached is the updated seeding recommendation for Hydroseeding purposes (thank you for that clarification, it does require a higher rate than our typical seeding).

I also have one included to match the 47.4 acres that I saw in your original email for the project.

We do recommend the Spring Wheat under all scenarios that you would deal with. You have permission to add Annual Ryegrass as well, just make sure you keep it under 2 PLS lbs/acre so you don't create too much competition for your planned species. We don't see the Siberian Millet offering enough benefit to justify it in the companion crop mix.

Below is also a snip of our recommendations for Hydroseeding. I'm assuming it's pretty close to what you do already since you deal with this rather frequently. (Alsike Clover and Purple Prairie Clover are legumes)

Hydroseeding:

On sites that are too steep for regular equipment to operate, the use of a hydro seeder is an acceptable alternative. Seed, fertilizer, and mulch materials will be applied in one operation. Limit the application of 150 lbs. of solids per 100 gallons of water. If a legume seed is included in the mixture, any lime or fertilizer should be applied separately. A second trip may also be needed to apply an asphalt emulsion to long fiber mulches.

Tyler Swan
NRCS Soil Conservationist
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