

0062

*Incoming
C/015/0032
OK*

From: Thomas W Lloyd <twlloyd@fs.fed.us>
To: "Priscilla Burton" <priscillaburton@utah.gov>
Date: 9/19/2007 1:53 PM
Subject: Re: Crandall drill hole meeting notes
Attachments: 09072007Meeting Notes.doc

I'm having a hard time understanding why the hole cementing is delaying reclamation. There is talk of redrilling the holes because the ground shifted etc. There purpose of cementing holes is to 1. protect surface ground water and 2. for mine safety --if mining does encounter an open hole it doesn't deluge the mine workings. My suggestion is that we look at going as far down the hole as possible (least a 1000 feet and construct a plug from there) I seen no need to redrill holes, and I see no need to reopen mud pits to accomplish this.

Tom Lloyd
North Zone Minerals Manager
Manti LaSal National Forest
Office: 435-636-3596
Cell: 435-749-1658

"Priscilla
Burton"
<priscillaburton@
utah.gov> To
"Sue Wiler" <Sue_Wiler@blm.gov>,
"Dave Shaver"
<dshaver@coalsource.com>,
09/17/2007 11:00 AM <seoplcc@emerytelcom.net>, "Thomas
Lloyd" <twlloyd@fs.fed.us>, "Adam
Robison" <ADAMROBISON@utah.gov>,
"Dana Dean" <DANADEAN@utah.gov>,
"Karl Houskeeper"
<KARLHOUSKEEPER@utah.gov>, "Pam
Grubaugh-Littig"
<PAMGRUBAUGHLITTIG@utah.gov>,
"Wayne Western"
<WAYNEWESTERN@utah.gov>
cc

Subject
Crandall drill hole meeting notes

Hello Pam,

Friday, Sept. 7, the weather allowed us to reach the drill hole sites.

Adam Robison, SITLA Forester; Tom Lloyd, USFS; Dave Shaver and Mike Glasson, UEI; and Shane Campbell, SCAMP Excavation, Inc. were all there along with Karl and me. Attached are the meeting notes. All of the participants have had an opportunity to comment on the notes.

Tomorrow, I will bring to SLC a hard copy of these notes, along with MSDS sheets and seed mixes, wood straw, and excelsior log information to send to the 015032 2007 Internal File.

Since our site visit, an interim and final seed mix has been developed by USFS and SITLA. The re-alignment of the road on SITLA ground has been determined to be necessary as a safety precaution and as a sediment control measure. According to Dave Shaver, that work can proceed while we wait for the drill rigs to arrive. Drill rigs should arrive in 2 - 3 weeks to begin plugging the wells.

Priscilla.

(See attached file: 09072007Meeting Notes.doc)

utah ogm coal program meeting notes

Date: September 7, 2007

Time: 9:30 am – 4:30 pm

Location: East Mountain

To: Internal File, Crandall Canyon Mine, C/015/032, Reclamation of Emergency Mine Rescue Drill Holes.

From: Priscilla Burton

Attendees: Priscilla Burton and Karl Houskeeper, DOGM; Dave Shaver and Mike Glasson, UEI; Tom Lloyd, Manti La Sal National Forest; Adam Robison, SITLA; Shane Campbell, Scamp Excavation Inc.

Purpose: To discuss the reclamation work to be achieved in the next month, weather permitting, and the interim reclamation/stabilization of the remainder of the site for winter.

MEETING SUMMARY:

UEI has notified MSHA that the 7 drill holes will be plugged. A confirmation letter is expected from MSHA. The drill holes will not be plugged until after a planned family ceremony. Sue Wiley, BLM, requests prior notification of plugging, so that she can document the process at each hole.

Work currently underway by UEI: aerial photography of site, hole plugging requirements requisition; site survey by Cody Ware

Stabilization work that will be started during the week of September 10, 2007 (prior to family ceremony):

1. Fill all remaining mud pits
2. Grade pads 6, 7, 1, 2 and 5 towards cut.
3. At pads 6, 7, 1, 2 and 5 create drainage ditch against cut to direct flow to undisturbed slope.
4. At pads 6, 7, 1, 2 and 5, place excelsior logs at outlet of ditch in undisturbed to filter flow and break velocity.
5. Flatten blast holes along water truck road, and seed.
6. Rip **on the contour** and seed water truck road.

Following hole plugging, the following reclamation was agreed upon for this season.

(Shane plans on using 4 trackhoes, 1 ten wheeler, and a couple of dozers.)

9/7/2007

Emergency drill hole reclamation Meeting Notes

2

Drill pad #3

Ramp down outslope to shuttle side cast material up to pad with track hoe (60 inch bucket). Spread material on pad with dozer. Scatter seed over the site with a hand applicator. Roughen site (gouge or pock) with 2 ft hoe. At this site surface mulch will consist of grubbed vegetation returned to site surface after pocking.

Drill pad #4

Side cast material will be replaced with a trackhoe on this wide and flat pad. Seed will be scattered over the site with a hand applicator. Wood straw (donated by the USFS) may be used. If so, it will be scattered by hand across the site and gouged into the surface with the bucket of a hoe, so that the wood straw protrudes from the soil. .

Drill pads #6, 7, 1, 2, 5

If, the weather allows work to continue after pads 3 & 4 are reclaimed, then pad #7 followed by pad #5 will be reclaimed. However it is more likely that drill pads # 6, 7, 1, 2 and 5 will be delayed until July 2008, when access will be possible. The stabilization of these pads was previously described above.

Stabilize Access Road from Drill pad #4 east to the East Mountain saddle

Reclamation of the road will end approximately 0.1 miles east of drill pad #4 at a high cut in solid rock on the road. Rocks will be set against the toe of the cut. Rocks will also be set in the fill and on the surface of the fill to maintain a rough surface.

On the unreclaimed portion of the access road, water ditches ("blow outs") will be used to convey water off the road through excelsior logs to the outslope of the road. Water ditches will be placed according to the Forest Water Quality Guidelines (FWQG) which indicate a ditch every 100 ft for grades less than 15% and a ditch every 50 ft. for grades greater than 15%. Adam Robison will check placement frequently.

There are three "wet spots" on the road. These potential springs will be watched over the next month to determine whether they are due to the mud pits or whether springs were intercepted that will require treatment (French drain construction) during final reclamation. Construction of a drain would entail placement of 2 – 3 inches of gravel at water contact. Geotextile fabric would be placed over the top of the gravel.

Stabilize Access Road on SITLA property from East Mountain saddle south to pre-existing USFS road

End of season, as exit site, berms will be removed in some locations where heavy snow pack and drifts are expected. i.e. from "hog's back" to the north 0.25 mi. Adam Robison will specify locations to remove berm. Along remaining road, berms will be retained so more soil will not be lost to sidecasting. Water ditches will be placed according to the Forest Water Quality Guidelines (FWQG) mentioned previously.

ACTION ITEMS to be done the week of September 10, 2007:**Priscilla Burton:**

9/7/2007

Emergency drill hole reclamation Meeting Notes

3

- Contact Sherriff Guyman and ask the date of the family ceremony.
- Contact Kevin Strickland, MSHA, relate that MSHA trailer is no longer in a secured area.
- Send Tom's .pdf file of disturbance to Dave and Mike.
- Determine fertilizer type, based upon wood fiber material.

Shane Campbell:

- Contact Horace Petty to have dead cow removed from USFS access road.
- Put back ATV gates at Indian Campground
- Take "Road Closed" signs down.

Mike Glasson:

- Provide MSDS sheets to Priscilla Burton, Tom Lloyd and Adam Robison.

Tom Lloyd:

- Provide preferred seed mix, alternate mix, and cover crop (if necessary due to seed shortage) to Adam Robison, for coordination with SITLA. Copy to Priscilla Burton @ DOGM
- Provide information sheets on wood fiber mulch.
- Provide .shp files to Adam Robison for site

Adam Robison:

- Provide preferred seed mix, alternate mix, and cover crop (if necessary due to seed shortage) to Tom Lloyd, for coordination with USFS. Send copy to Priscilla Burton @ DOGM
- Provide product information and contact information for excelsior logs to Shane Campbell. Send copy to Priscilla Burton @ DOGM
- Create contact sheet for all those present. Contact sheet will include Scamp Excavation Inc. job foreman, and emergency contacts for area.
- Information to Shane for closure sign on gate.

Dave Shaver:

- Provide DOGM with copies of correspondence with MSHA concerning hole plugging.
- Contact Sue Wiley, 636-3651, prior to hole plugging so that she can be present to observe the entire process.
- Once consensus is reached between USFS and SITLA, purchase seed.
- Contact Sue Wiley, 636-3651, prior to hole plugging so that she can be present to observe the entire process.

ADDITIONAL COMMENTS: (This section is intended to provide attendees the opportunity to contribute additional and significant information concerning the meeting content that may not have been mentioned during the meeting.)

Adam has agreed to have SITLA generate road profiles so that grade can be determined.

9/7/2007

Emergency drill hole reclamation Meeting Notes

4

- SITLA recommends using Tackfier or Bonded Fiber Matrix and a wood fiber mulch covering the prescribed seed mix on all unstable slopes. Within SITLA Land.
- SITLA will require a short realignment to be built near the South boundary adjacent to FS. The new alignment will bypass the adverse vertical curve that exists on top of the ridge line. The new alignment will be located on the West side of the ridge. Reclamation will be required on the old alignment located on the east side of the ridge. The new alignment will provide a safer and more functional road for the reclamation project.

Tom Lloyd's comments:

- FS desires to have as much pad reclamation and road stabilization done this fall as safely possible.
- FS requires that the newly constructed temporary access road be reclaimed to original contour when feasible. If SITLA desires to have a permanent access road, it should be properly designed and constructed in accordance with an approved NEPA document.
- Motorized access to the area is limited to authorized persons. The general public does not have authorization for motorized access. The gate should be kept locked and closed at all times.

Since these notes were written the following has transpired:

- Mike Glasson has completed the data logging of the holes.
- The mud pits have been filled in.
- Some families had a ceremony at the site on 9/10/07 and some others are expected to have one tomorrow (9/14/07).
- MSHA has not yet responded to the hole plugging request from Brad Hill, UEI.
- Dave Shaver has forwarded a requisition for plugging to Brad Hill, but it has not yet been approved.
- Lang drillers will take two weeks to mobilize once notified.
- Closure of the drill holes will require re-opening of the mudpits, which will delay the interim stabilization grading and drainage control of the pads.

pwb

O:\0150032.cra\Emergency Drill Holes\09072007Meeting Notes.doc