

0004

Jacobs
1/28/08

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Date: 1/28/2008 9:40 AM
Subject: Emery Subsidence Report
Attachments: Emery Subsidence 12-2007.pdf

CC: <karlhouskeeper@utah.gov>, <waynewestern@utah.gov>, <SteveChristensen@ut...>

Please find attached the subsidence report for December.

-Russell

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Consolidation Coal Emery Mine Subsidence Report for December 2007

- 12-17-07 Panel 14 West – No new subsidence over Panel 14 West. No new cracks on road or under power line no safety concerns. BH
Panel 15 West – No new subsidence found. Ground is still snow covered. BH
O North – Existing cracks over panel are enlarging and exhausting. BH
- 12-27-07 Panel 14 West – No new cracks noticed snow was covering most of the panel. Spring at dam breach is frozen. RH
Panel 15 West – Some new cracks forming in the snow. Most of the panel was covered in snow. RH
O North – New cracks observed in snow near active mining face. Old cracks are exhausting in places. RH
- 1-4-08 Panel 14 West – No new cracks found. BH
Panel 15 West – New cracks found several crosscuts back from active mining face. BH
O North – No new cracks found in the snow. Existing cracks are getting larger. BH
- 1-10-08 Panel 14 West – No new cracks found. Area is covered in snow. RH
Panel 15 West – New cracks found. Area is covered in snow. RH
O North – A couple new cracks found in the snow. RH
- 1-16-08 Panel 14 West – No new cracks found. BH
Panel 15 West – No new cracks found. BH
O North – No new cracks found in the snow. Existing cracks are getting wider and longer. BH
- 1-22-08 Panel 14 West – No new cracks found. BH
Panel 15 West – No new cracks found. BH
O North – Existing cracks appear to be getting longer and wider. BH

In areas with deeper cover (Panel 14 and 15 West) the cracks are harder to find in the snow. We do know that the cave is following us underground but we can't find any signs on the surface due to snow cover. Also, since January 11, 2008 we have been idling the mine every Friday and that has slowed the signs from week to week, we are mining a full 20% less than before. RH

Below is a summary of the flow data from SP-10 collected by Karla Knoop, from JBR Environmental.

Consol Emery Mine
Panel 14th West
Bryant No. 1
Flow Measurements made at dam
breach
Measurements taken by Karla Knoop

Date	Flow (gpm)
6/13/2007	77
7/24/2007	52
8/28/2007	75
9/20/2007	69
10/19/2007	59
11/15/2007	54
12/17/07	frozen