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Outgoing
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From: Pete Hess
To: jmarshall@coalsource.com
Date: 12/23/2008 9:05 AM
Subject: Lila Blasting Plan

Jay...

I reviewed the plan that you have submitted to MSHA.

It appears that, based on what I have been able to determine from what you've submitted, that you will have the potential to overcharge the round. 70 holes maximum @ 6 pounds per hole = 420 pounds. P.F. = 4.28.

I have estimated that you should be using a powder factor of 2.75 pounds of explosive per cubic yard of material or 270 pounds of explosive per round. 45 charged holes hits 270 pounds of explosive right on the money.

70 holes @ 6 pounds per hole and you will definitely get fly rock / adverse effects / such as over break of the tunnel walls.

Call me.