



OGMCOAL DNR <ogmcoal@utah.gov>

Blasting plan

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The big things is the MRP section 524.400-524.690 make up the Blasting Plan. I think it would be best to incorporate the appendix within the MRP instead of the MRP sections just vague referencing the appendix because then both sections need to be updated and likely parts are going to be missed.

Again, this is just a preliminary review since you haven't submitted the North Lease and I'm quite busy so I don't have the time to do a detail review. Following up with our meeting last week here are some of the points that need clarification within the North Lease Blasting plan:

... 524

- Remove all discussion of why blasting wasn't initially expected. You're blasting now and will continue to blast, that's all that matters. Had you not included the vague text you did in the original MRP adding a blast plan is considered a significant revision, so I don't see any need to have a discussion about why the Mine ever contemplated about not blasting.
- The last sentence reference R645-301-524.400 and should reference either all of R645-301-524 or R645-301-524.100-700.

... 524.100

- Blaster certifications will be carried on the person of the Certified Blaster and copies of the Blasting licenses will be on file at the mine.
- Text will be changed to clarify that the "person responsible" is the Certified Blaster, i.e. "The Certified Blaster will be responsible for blasting operations..."

... 524.200

- A powder factor of 1.1 is high for shale, more a limestone rock. ISEE publication states shale Powder factor 0.4 to 0.75 and Sandstone 0.75 to 1.25 PF.
- The exact distance to the nearest structure must be listed instead of approximate 2500 ft. for the north lease.
- Add text detailing that each blast will be documented in the blast recorded and maintained on site. The blast recorded will detail the layout used for each blast along with required to show R645-301-620 was met and if monitored R645-301-524.633 and -524.642.

... 524.300-350

- Include a draft of preblasting survey letter which details how the regulations are met.

... 524.410

- Include a list of residents to be contacted as well as the Division
- List audible signals and procedure used in unscheduled blast
- Add text detailing that the reason for the unscheduled blast is document in the Blasting Record.

... 524.450-453

- Include the text in publication of schedule within this section

... 524.460-465

- Include text of the Blasting Schedule

... 524.500-532

- List signals as detail in the appendix here
- Last paragraph edit text to detail that the Certified Blaster must be the one to give the all clear and determine that no unusual hazards exists.

... 524.600-610

- Detail how and what controls will be used to limit adverse effects of blasts.

... 524.620

- Remove all except 2hz 133 peak

... 524.630

- Define periodic to determine an interval that is appropriate for the frequency of blasting.

... 524.633

- How will you monitor flyrock? Video? How will it be documented?

... 524.640

- Select a method of the three listed
- In the event a scaled distance less than 55 or PPV greater than 1.00 in/s more than one method will be utilized to monitor.

... 524.700

- Define situations when a seismograph will be used.

And that's all i have time for, to discuss later..

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