

1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25

NEW MEXICO MINING AND MINERALS DIVISION  
MINE EXPANSION AND UPDATED CLOSEOUT PLAN

LITTLE ROCK MINE

PERMIT NO. GR007RE, Revision 14-1

Public Hearing on the above-entitled matter,  
taken at the request of Freeport-McMoRan Tyrone Inc.,  
at the Grant County Commissioners Meeting Room,  
1400 Highway 180 East, Silver city, New Mexico 88061,  
on September 2, 2015.

**IN RE Little Rock Mine Public Hearing  
Public Hearing on 09/02/2015**

**Pages 2..5**

Page 2	Page 4
<p>1 HEARING OFFICER ORTH: Let's prepare to 2 begin, please. Can you hear me in the back row? 3 UNIDENTIFIED SPEAKER: Yes. 4 HEARING OFFICER ORTH: Yes? All right. 5 Terrific. My name is Felicia Orth, and we are here 6 this evening in Silver City to take public comment on 7 certain aspects of the amended application for revision 8 14-1 of New Mexico Mining Permit GR007RE. 9 In particular, the applicants plan to 10 expand the mining operation, and the updated closeout 11 plan and financial assurance. You probably saw the 12 sign-in sheet when you walked in on that back desk. If 13 you haven't signed in yet, please do so. No salesmen 14 will call. We use the sign-in sheets as evidence of 15 public participation and for the correct spelling of 16 your name in the transcript. 17 On the back desk, you would also have 18 seen a fact sheet on this mine. It resembles a time 19 line of certain events in connection with the permit. 20 A number of other documents are on the EMNRD Mining and 21 Minerals Web page. I encourage you to look there, 22 including the permit application prepared by Golder 23 Associates. I certainly welcome you to look at the 24 copy I have borrowed, and on a break you can also speak 25 with the Mining and Mineral Division representatives</p>	<p>1 up? Is this going up? 2 UNIDENTIFIED SPEAKER: Better. 3 THE COURT: Is that better? Very sorry. 4 MR. OHORI: Thank you. 5 HEARING OFFICER ORTH: All right. So 6 you'll hear the mine tonight referred to as the Little 7 Rock Mine, if I didn't mention that earlier. Let's 8 see, we will take -- we will take a break after an hour 9 and a half or so just to allow folks to take a break, 10 but we're here tonight as long as necessary to take all 11 public comment that is ready to be offered. 12 I will say this again at the end of the 13 hearing. If you have comments that you would like to 14 submit in writing to be considered by the Mining and 15 Minerals Division, you have until close of business on 16 September 23rd to do that, September 23rd. And, again, 17 I'll repeat that at the end of the hearing. 18 Finally, there are a number of regulatory 19 agencies that sometimes share regulatory authority for 20 the same operation. One of the other regulatory 21 agencies that regulates the Little Rock Mine is the 22 New Mexico Environment Department. Again, they are not 23 providing comment tonight but there are representatives 24 from NMED here tonight, including Kurt Vollbredt, and 25 I've lost the other guys, John. All right.</p>
Page 3	Page 5
<p>1 who are here tonight, again on a break. 2 Holland Shepherd is walking across the 3 back of the room in the blue shirt and David Ohori is 4 across the way there. They will not be speaking during 5 the comments this evening, but are happy to talk with 6 you on a break. 7 You also see sort of an array along this 8 wall, a number of poster boards that show the existing 9 permit boundary, the proposed expanded permit boundary 10 and other items and some photographs. 11 So the hearing will be conducted in 12 accordance with the applicable regulation, which is 13 19.10.9, Section 905. These are the non-coal mining 14 public participation rules adapted by the New Mexico 15 Mining Commission. Essentially, all testimony is taken 16 under oath and is subject to cross-examination. 17 The hearing is being recorded and 18 transcribed by Truenea Teasley, court reporter. And if 19 you would like to purchase a copy of the transcript, 20 please see Ms. Teasley directly. The transcript also 21 eventually becomes a public record. 22 Mr. Ohori. 23 MR. OHORI: Excuse me, Felicia, could you 24 turn the volume up a little bit? 25 HEARING OFFICER ORTH: Oh, is this going</p>	<p>1 MR. EHLERT: And I'm Keith Ehlert. I'm 2 in the permit department on the Little Rock Mine. 3 HEARING OFFICER ORTH: Thank you very 4 much. 5 And again all these gentlemen are happy 6 to talk with you on the break. And by the way, if you 7 say something tonight or submit something in writing to 8 the Mining and Minerals Division that relates perhaps 9 more directly to the permit that's issued by the 10 New Mexico Environment Department, as I understand it 11 from the Mining and Minerals Division staff, they will 12 forward that to NMED for their consideration. This is 13 not the NMED hearing. 14 Let's see, are there any strictly 15 procedural questions? I know there are bathrooms and 16 vending machines out there. 17 So we're going to start with a 18 presentation by the permit applicant, Freeport-McMoRan, 19 and I believe I'm to call on Ms. Lande. We'll then go 20 to GRIP and Ms. Siwik and her colleagues, and then I 21 will call on folks in the order in which you signed in. 22 And again, please, sign in if you haven't done so. 23 So let's see, where are the folks 24 testifying on behalf of the permit applicant? Is it 25 just you, Ms. Lande, or is it you and Mr. Shelley?</p>

**IN RE Little Rock Mine Public Hearing  
Public Hearing on 09/02/2015**

**Pages 6..9**

Page 6	Page 8
<p>1 MS. LANDE: It would be myself, 2 Mr. Shelley and Martin Soltero. 3 HEARING OFFICER ORTH: All right. So if 4 the three of you would please raise your right hand. 5 (Speakers were sworn en masse.) 6 HEARING OFFICER ORTH: Ms. Lande. 7 MS. LANDE: I don't know where a good 8 place to stand is. I guess I'll stand this way. It's 9 kind of -- the microphone is -- I don't do this very 10 often. 11 So my name is Lynn Lande and I'm Chief 12 Environmental Engineer for Freeport-McMoRan, and I work 13 in the Environmental Sustainability Department and my 14 focus is reclamations, mine reclamations. Before we 15 get started, I just want to thank everybody for coming. 16 I want to thank David, David Ohori, the MMD Permit Lead 17 and, also, Holland Shepherd, the Program Manager. They 18 have certainly guided us through this process and many 19 others. 20 I would also like to introduce some of my 21 coworkers that will help address questions during this 22 process today. Martin Soltero, he's the Tyrone 23 Environmental Manager. Tom Shelley is the Reclamations 24 Manager for our New Mexico Operations. They are going 25 to help me address questions from everybody here, and</p>	<p>1 documents. It just shows that the mine is located in 2 southwestern New Mexico in Grant County, and then the 3 Little Rock Mine. It's located actually about 11 miles 4 southwest of here, Silver City, and it's about a mile 5 from the Tyrone Mine. I have other maps in the 6 presentation that will give you a better idea of where 7 in the world we are, but this is just a general 8 location map. 9 The next slide is the, again, mine 10 history. We've been mining in this area since the 11 1890s. There have been miners mining materials again 12 in the 1940s. I think they mined floral spar out there 13 at this site. 14 In the 1970s -- this is more of a modern 15 mining company, USNR or the United States Natural 16 Resource Company, leased and operated the Little Rock 17 Mine, and they're a private mining company and they 18 actually operated at the site and they produced copper 19 at the site. They set up what we call a P plant, a 20 precipitation plant. They also have a leach stockpile 21 and it's an overburdened stockpile. 22 Since they were located very close to the 23 Tyrone Mine, Tyrone is interested in acquiring that 24 mine and seeing if it was economic. In the 1990s 25 Tyrone began permitting, doing a permitting and</p>
Page 7	Page 9
<p>1 so what I would like to do, if everybody is on board, 2 is -- the presentation isn't very long. I guess that's 3 the good news. 4 And so what I would like to do is work 5 through the presentation, and -- with the expectation 6 that maybe some of your questions are addressed in this 7 presentation. And at the end, if you have other 8 questions, please, you know, we're here to answer 9 questions now or at the break. That's why we brought 10 these. We tried to prepare these poster boards. 11 So the first slide -- so before we get 12 started, I just wanted to review what I was going to 13 cover today. So this is about the reclamation designed 14 for the Little Rock Mine, and also the expansion 15 boundaries. So I want to just give a brief overview of 16 the mine. I want to talk about the expansion and the 17 closeout plan, and the closeout plan is a little 18 tricky. Closeout plan really, in normal language, 19 means reclamation plan. So I'm going to call it a 20 reclamation plan. Closeout plan is just an MMD permit 21 word. 22 And the last thing I'm going to talk 23 about is the financial assurance estimate. I've got 24 some notes on here. Oh, okay. Well, this slide is 25 just a location map. It's usually included in most</p>	<p>1 acquiring the mine, and they acquired the mine. And I 2 don't -- I apologize. I don't know the year they 3 acquired the mine. 4 In 2010 they -- we actually had a hearing 5 much like this where we were requesting to come off of 6 standby, which means to go back into operations. And I 7 think it was held in this room, actually. At this same 8 time, the same year, Tyrone reclaimed one of those 9 historic stockpiles called the Copper Leach Stockpile, 10 and I'm going to talk about that more a little later. 11 Tyrone was able to start up the mine in 12 2011, and then in 2014 we submitted application to 13 expand the mine. So this is just a brief overview of 14 the operation. It's a typical copper mining operation 15 in that we break up the rock using explosives. We use 16 a large shovel, and you can almost see the shovel in 17 that picture, and then we load the trucks. 18 The material from Little Rock is put in a 19 truck and then it's taken to the Tyrone Mine where 20 there's an existing stockpile, and that's where we 21 process the copper at Tyrone. We're not processing at 22 the Little Rock Mine. On the other hand, we are -- we 23 just started putting overburdened material into the 24 Little Rock Mine. Before that we were bringing it to 25 the Tyrone Mine, but now we're putting it on the west</p>

**IN RE Little Rock Mine Public Hearing  
Public Hearing on 09/02/2015**

**Pages 10..13**

Page 10	Page 12
<p>1 side of the mine.</p> <p>2           So now I'm going to talk about the permit</p> <p>3 boundary, and that's part of the permit process and has</p> <p>4 to do with the expansion project. So if you -- oh, I</p> <p>5 don't -- here's the pointer. So I'm just going to talk</p> <p>6 about what's called the permit boundary, and that's the</p> <p>7 outer limits of the mine area, and that's this magenta</p> <p>8 line, that nice line they did in the 1990s, the nice</p> <p>9 squared line the engineers love.</p> <p>10           We are expanding it, but it is not a</p> <p>11 pretty line, but it does define the limits of where we</p> <p>12 need to mine and it's this magenta and green line here,</p> <p>13 and then it comes back up here, comes around, just</p> <p>14 follow it around, magenta all the way around.</p> <p>15           So as you can see, the majority of</p> <p>16 expansion of this mine is in this area I'm here. This</p> <p>17 is where the most is, and also right here. So the</p> <p>18 current permit boundary is 610 acres. It's going to</p> <p>19 be -- we're proposing to expand it to 680, a 70-acre</p> <p>20 expansion.</p> <p>21           Thanks, Martin.</p> <p>22           MR. SOLTERO: Uh-huh.</p> <p>23           MS. LANDE: Now, I want to talk about the</p> <p>24 area of operational activity. That would be this green</p> <p>25 line in here, and then the darker green line. These</p>	<p>1 a haul road in it, though. So there is a facility</p> <p>2 there. Okay. Thanks.</p> <p>3           The next thing I want to talk about is</p> <p>4 financial assurance. So how do we calculate financial</p> <p>5 assurance? Financial assurance is the cost. Costs are</p> <p>6 calculated for the highest cost mine configuration on a</p> <p>7 five-year period. That's kind of a confusing sentence,</p> <p>8 but all it means is we -- the mine planners -- will</p> <p>9 make designs for the mine. And we look at each year</p> <p>10 and we come up with a general cost, which one is the</p> <p>11 most expensive, and then we work with the agencies and</p> <p>12 we agree upon which one of those plans will be the most</p> <p>13 expensive reclamations year, and so that's how that's</p> <p>14 conducted.</p> <p>15           Now, you might think intuitively that it</p> <p>16 would always be the last year, but it isn't. It has to</p> <p>17 really do with what the reclamation costs are. And in</p> <p>18 this case the most expensive reclamation year was 2017.</p> <p>19 And that simply had to do with that it was the year --</p> <p>20 it was the area in the mine where we had the greatest</p> <p>21 amount of reclamation, surface reclamations that had to</p> <p>22 be -- that would be conducted, and that's the only</p> <p>23 reason. So we had more vegetation costs, more</p> <p>24 regrading costs, more reseeding costs and stuff like</p> <p>25 that.</p>
Page 11	Page 13
<p>1 are all the lines we're asking to expand, MMD. So the</p> <p>2 green line you see in here, which is 200 acres, is the</p> <p>3 current approved mine. So when you look at these mine</p> <p>4 pictures, you know we're mining within that boundary.</p> <p>5 Also, as part of that boundary -- it doesn't show up</p> <p>6 well on this map, but I will show it on the other</p> <p>7 map -- is the haul road. So there's a haul road. It</p> <p>8 leads in and out of this mine to the Tyrone Mine, and</p> <p>9 that's about 260 acres, and that's the current plan.</p> <p>10           The proposed plan is the darker green</p> <p>11 line and it's expansion to 470 acres. Most of the</p> <p>12 expansion is on the east side of the mine, right in</p> <p>13 here and around here. And, of course, you can follow</p> <p>14 it around. The funky shape that you're kind of seeing</p> <p>15 right here is because there's a haul road that needs to</p> <p>16 deliver material over here.</p> <p>17           So -- oh, oh, the last thing I wanted to</p> <p>18 point out was the crest of our pit. So I've talked</p> <p>19 about just areas we're expanding, where we're going to</p> <p>20 operate in, but I wanted to point out how the actual</p> <p>21 crest of the pit changes. So this is the current crest</p> <p>22 of the pit, this green line, and the dark blue line is</p> <p>23 the proposed new crest. So really it's in this area,</p> <p>24 and that would be -- currently it's 200 acres. It goes</p> <p>25 to 330 acres. Some of this area, again, it already has</p>	<p>1           So I wanted to point out the current</p> <p>2 plan, approved plan and our proposed plan. I kind of</p> <p>3 wanted to put them on the same page so you could see</p> <p>4 them, but I don't think you would see them. They would</p> <p>5 be so small. So I tried to put them on separate</p> <p>6 slides. The reason I wanted them on the same slide is</p> <p>7 because they are pretty similar, and I just wanted to</p> <p>8 show you that the proposed plan and current plan are</p> <p>9 pretty similar. It's not really a surprise.</p> <p>10           The major differences is that the mine is</p> <p>11 getting bigger to the east, larger to the east. The</p> <p>12 financial assurance for this mine is roughly \$1.5</p> <p>13 million for the operational reclamation costs. So for</p> <p>14 that proposal, for that approved mine closure plan and</p> <p>15 this proposed one, the post-mining land use for both</p> <p>16 are wildlife habitat. So that's what we're</p> <p>17 developing -- we're doing the reclamation for is</p> <p>18 wildlife habitat.</p> <p>19           I want to make sure I don't miss -- this</p> <p>20 slide I spent a lot of time on. So make sure I don't</p> <p>21 miss something. So the entire mine is going to be used</p> <p>22 for wildlife animals to be able to access various</p> <p>23 places in the mine. There's going to be out-slopes.</p> <p>24 There's going to be flat surfaces. There's going to be</p> <p>25 high walls, which are going to be like cliffs. So it's</p>

**IN RE Little Rock Mine Public Hearing  
Public Hearing on 09/02/2015**

**Pages 14..17**

Page 14	Page 16
<p>1 pretty diverse in the mine habitat.</p> <p>2           There -- if you look in that red line,</p> <p>3 there's -- within this red line, there's these gray</p> <p>4 areas and also out here, outside the red line, all in</p> <p>5 here. Those are where we're bringing the equipment in</p> <p>6 and we're able to regrade it and rip it and vegetate</p> <p>7 it. The other areas we just don't have -- we won't</p> <p>8 have access with equipment.</p> <p>9           There also is an open pit lake just like</p> <p>10 the original plan right here, and there was a water</p> <p>11 quality model done in 2014, updated, and it was an</p> <p>12 updated model, and it shows good quality water. There</p> <p>13 is -- it's a little bit of concern involved, but it</p> <p>14 looks like the only exceedings that might be a little</p> <p>15 high is fluoride, but again it is a conservative model.</p> <p>16 But, yeah, it could exceed on fluoride.</p> <p>17           Let's see what else. So we have safety</p> <p>18 berms going around the entire mine, safety berms,</p> <p>19 fencing, depending on the conditions on those slopes.</p> <p>20 We -- I talked about the contouring. The haul road</p> <p>21 will get reclaimed so these -- this is the haul road</p> <p>22 right here. And that -- so access there. This is part</p> <p>23 of the haul road, part of the haul road, revegetation,</p> <p>24 open pit lake. I talked about that. There's also a</p> <p>25 monitor well included. There's long-term monitoring</p>	<p>1 where Little Rock is in relationship to the Tyrone</p> <p>2 Mine. So I wanted to show you. And I don't know if</p> <p>3 you can see very well, but that's the Tyrone Mine.</p> <p>4           UNIDENTIFIED SPEAKER: Little Rock.</p> <p>5           MS. LANDE: I mean Little Rock. Thanks.</p> <p>6           Little Rock Mine, and this is the Tyrone</p> <p>7 Mine. And that water will flow right towards the</p> <p>8 Tyrone main open pit. That's all.</p> <p>9           This is the last slide. And why I wanted</p> <p>10 to show folks -- show this slide is because it shows</p> <p>11 our reclaimed stockpile at the mine. This is the USNR</p> <p>12 site. It's an older stockpile, but it was just</p> <p>13 recently reclaimed. It was reclaimed five years ago in</p> <p>14 2010, and it's located on the south end of the mine</p> <p>15 right here. So this is the -- right here.</p> <p>16           And we reclaimed it, like I said, in 2010</p> <p>17 and we use material from one of the older, overburdened</p> <p>18 stockpiles. That material came right from the Little</p> <p>19 Rock Mine. So we used the material from the Little</p> <p>20 Rock Mine that was devoid of any mineralization, and</p> <p>21 used it as reclamation material.</p> <p>22           I wanted to also mention that the</p> <p>23 material that we're backfilling the Little Rock Mine,</p> <p>24 making a stockpile I talked about inside the Little</p> <p>25 Rock Mine, is also tested to ensure that it will not</p>
Page 15	Page 17
<p>1 and reporting and, of course, maintenance.</p> <p>2           The cost came to \$1.9 million, so it's</p> <p>3 about a half a million dollars higher than the previous</p> <p>4 estimate, and I just want to point out that this -- I</p> <p>5 just want to point out one more thing, just so it's</p> <p>6 clear, is that is the 2017 mine plan. Okay. I talked</p> <p>7 about why we would use that mine plan because of it</p> <p>8 being the most expensive.</p> <p>9           MS. SMITH: Do I get to ask a question or</p> <p>10 no?</p> <p>11           HEARING OFFICER ORTH: Sally, you'll be</p> <p>12 able to ask a question when she's done.</p> <p>13           MS. SMITH: Okay.</p> <p>14           MS. LANDE: Next slide. So we haven't</p> <p>15 talked -- so we talked about groundwater quality, and</p> <p>16 what I also want to talk about is the groundwater flow.</p> <p>17 The left side is a potentiometric map, and all a</p> <p>18 potentiometric map is -- it's a lot like a contour map</p> <p>19 where it -- you contour the elevation of the ground</p> <p>20 surface. This map contours the elevation of the water</p> <p>21 table.</p> <p>22           And if you look at that map, the higher</p> <p>23 elevation is to the left, the lower to the right, which</p> <p>24 means that water is flowing to the east. Now, that --</p> <p>25 that -- that potentiometric map doesn't really show you</p>	<p>1 affect ground water quality. I want to -- last</p> <p>2 slide -- just thank everybody for listening and being</p> <p>3 patient. And if you have any questions, we would be</p> <p>4 really happy to answer them right now. And I want Tom</p> <p>5 and Martin to kind of help me.</p> <p>6           MS. SMITH: My question was about that</p> <p>7 slide, you know. And I think you said that's a 2017</p> <p>8 portrayal, but the pit lake looks like it's up at the</p> <p>9 elevation that it would be in eight years when it's</p> <p>10 completely full. Isn't it about 5750 or something? I</p> <p>11 just am wondering if you could comment on that.</p> <p>12           MS. LANDE: I -- well, I don't know if</p> <p>13 that's the final design. Do you guys know?</p> <p>14           MR. SHELLEY: You're right, Sally.</p> <p>15 That's the pit lake that would form over the long term</p> <p>16 if it -- if it remained in the configuration at 2017.</p> <p>17           MS. SMITH: Projected with that --</p> <p>18           MR. SHELLEY: Yeah. Sure.</p> <p>19           MS. SMITH: -- in other words.</p> <p>20           MR. SHELLEY: Yeah.</p> <p>21           MS. LANDE: And we thought that would</p> <p>22 be -- I mean what we wanted to do is show people how</p> <p>23 big the lake would be so it was a good idea to put</p> <p>24 the --</p> <p>25           MS. SMITH: So then projected out, if</p>

**IN RE Little Rock Mine Public Hearing  
Public Hearing on 09/02/2015**

**Pages 18..21**

Page 18	Page 20
<p>1 your mining continues to 2020, that is not the size the 2 lake would be? It would be bigger than that. 3 MS. LANDE: Yeah. It would be bigger, 4 uh-huh. 5 MS. SMITH: And would it be further up 6 the ramp than that. 7 MS. LANDE: No. It would actually be 8 lower. 9 MS. SMITH: Lower on the ramp. 10 MS. LANDE: Yeah. 11 MS. SMITH: So it would fluctuate on the 12 ramp because the ramp is a leach stockpile. It's going 13 to fluctuate its contact with the leach stockpile. 14 MS. LANDE: That's not a leach stockpile. 15 That is just overburdened material. 16 MS. SMITH: It's what? 17 MS. LANDE: Overburdened. It's tested 18 and it will not affect groundwater at all, Sally. But 19 the groundwater will, you know, based on a lot of 20 conditions, it will -- if you have a high rain event 21 or -- 22 MS. SMITH: That's just hypothetical 23 because you're going to pump it. So it won't really 24 be -- you know, if you continue mining. 25 MS. LANDE: So just to be clear that that</p>	<p>1 people access to the lake? 2 MS. LANDE: We will allow animal access 3 to the lake. 4 MR. MARTIN: So -- 5 MS. LANDE: So I should be clear. If you 6 take a really close look at that map -- 7 MR. MARTIN: Right. 8 MS. LANDE: -- there's a couple labels on 9 the side. And we actually have fencing and we have 10 berms and we have different kinds of fencing. So, you 11 know, if you're looking at a high voluntary peak at 12 that edge, you don't want animals. So we have a 13 higher, and another area would be lower. 14 MR. MARTIN: But say in 80 years' time, 15 is there going to be security or anything if it's an 16 attractive nuisance to both humans or wildlife to 17 prevent access? 18 MS. LANDE: There will be security, yes. 19 MS. SMITH: My additional question, Lynn, 20 about the fencing is that you've got cattle fencing 21 around the haul road areas, just -- there's some 22 sections there that are cattle fencing. Those -- are 23 those current? Do you have current cattle fencing on 24 the haul roads? 25 MS. LANDE: Tom can answer that.</p>
Page 19	Page 21
<p>1 stockpile is not going to affect groundwater quality. 2 We were going to pump during operations. And then, 3 when we stop mining, we are not going to pump. We want 4 the groundwater to reach equilibrium. 5 MS. SMITH: It's not going to look like 6 that. 7 MS. LANDE: This is the most expensive 8 case scenario and this is how we structure our closure 9 plans on, but all that information will work with the 10 NMED. 11 MS. SMITH: Sure. 12 HEARING OFFICER ORTH: Are there other 13 questions of Ms. Lande? 14 MR. MARTIN: Richard Martin. If I read 15 the plan right, you're saying that the water model says 16 that in 80 years there could be between 3,900 and 5,700 17 acre foot in that lake. Correct? 18 MS. LANDE: (Nods head.) 19 MR. MARTIN: But it would only have 20 excessive fluoride content? 21 MS. LANDE: Uh-huh. 22 MR. MARTIN: Now, the six-foot fence that 23 you're going to put around it, is that high enough now 24 that we have elk back in the boroughs again or is the 25 intention not to prevent wildlife access, but just</p>	<p>1 MS. SMITH: And if so -- and the other 2 part of the question, Tom, is -- okay -- is the whole 3 thing is not fenced. It's bermed. And can cattle 4 access the mine site now? 5 MR. SHELLEY: Yeah. Okay. Well, help me 6 if I miss an answer to your question, but we currently 7 have operational fencing around so cattle can't access 8 the mine area right now. Okay. They are not in the 9 same locations that we show that are in the cost 10 estimate for closeout or reclamations, but -- and then 11 the other fences Lynn was talking about are primarily 12 to keep human -- for human safety reasons, to restrict 13 access. 14 MS. SMITH: Chain link, Tom? 15 MR. SHELLEY: High walls and things like 16 that. But the rest of the area is livestock fence so 17 that wildlife can come in and out of there. 18 MS. SMITH: The reason I'm asking is 19 because I know in the future you said that the fact 20 that it's going to be all wildlife habitat doesn't 21 preclude grazing or recreation for that matter. So in 22 the future, because you only show cattle fencing in 23 certain places, will there be access to cattle to the 24 mine site after closure. 25 MR. SHELLEY: We haven't -- the fencing</p>

**IN RE Little Rock Mine Public Hearing  
Public Hearing on 09/02/2015**

**Pages 22..25**

Page 22	Page 24
<p>1 will be there. So I suppose that could happen, but 2 during -- during the life of this permit, that's not 3 contemplated. There's going to be cattle fencing to 4 preclude livestock access.</p> <p>5 MS. SMITH: Thank you.</p> <p>6 HEARING OFFICER ORTH: Other questions of 7 Ms. Lande or Mr. Shelley? Mr. Martin.</p> <p>8 MR. MARTIN: Again, in my -- it's 9 probably my bad reading, but in reading it I saw 10 references to BLM/USF as being the landowners. There 11 isn't private property within any of this area, is 12 there? It's BLM and Forest Service are the landowners?</p> <p>13 MR. SOLTERO: No. No. There is.</p> <p>14 MR. MARTIN: There is?</p> <p>15 MR. SOLTERO: There is. There's 16 actually -- private property is actually right along 17 the middle of our -- of the pit and it's actually then 18 also towards the south. There's private property that 19 is actually owned.</p> <p>20 MR. MARTIN: Okay.</p> <p>21 HEARING OFFICER ORTH: Other questions? 22 Other questions? No. Thank you very much, 23 Mr. Shelley, Ms. Lande, Mr. Soltero.</p> <p>24 Ms. Siwik, if you would, identify, 25 please, everyone who will testify for GRIP.</p>	<p>1 we are at the public hearing on the Closure/Closeout 2 Plan permit, that there's so many significant issues 3 that are unresolved. The reclamation plan is far from 4 complete because there's no approved cover material. 5 We've seen in the letters, over the course of the last 6 year or more, the discussion going back and forth 7 between the company, Freeport, and Mining Minerals 8 Division and the Environment Department that the 9 company has not yet demonstrated, according to MMD and 10 NMED rules, that leach top meets reclamation standards 11 and requirements and will protect groundwater quality. 12 So we're very concerned about that.</p> <p>13 We've seen from comment letters that 14 there's still no comprehensive stormwater plan. We've 15 seen discussion back and forth as to whether or not a 16 waiver for the open pit is going to be required. I do 17 note that, you know, there's some inconsistency here, 18 which mean Little Rock and the process at Chino and 19 Tyrone, but at the same time we do acknowledge that, 20 you know, that the company is going to be partially 21 reclaiming the pit.</p> <p>22 There's a letter dated July 23rd from the 23 Environment Department with a list of issues still left 24 to be worked out that are related to the 25 Closure/Closeout. I understand that it's really more</p>
Page 23	Page 25
<p>1 MS. SIWIK: Sure, Sally Smith, Steve 2 Blodgett. Do we need to stand up and take the oath? 3 HEARING OFFICER ORTH: Yes, you do. 4 (Speakers were sworn en mass.) 5 HEARING OFFICER ORTH: Please, go ahead. 6 MS. SIWIK: I don't have a presentation. 7 So okay. Good evening, I'm Allyson Siwik. I'm 8 Executive Director of the Gila Resources Information 9 Project. We're a nonprofit environmental group that 10 promotes community health by protecting our environment 11 and natural resources here in southwestern New Mexico, 12 and we've been involved with permitting issues related 13 to Grant County mines since our organization was 14 founded in 1998. So we've been here in this room and 15 other rooms in Santa Fe and Grant County many times. 16 We're also a member of the New Mexico 17 Mining Act Network, and we work on mining act issues at 18 the state level with our partners. So I would like to 19 just give an overview of our comments this evening for 20 our organization, and then we'll talk more about some 21 of the details after. Sorry. It's kind of weird. 22 I've got my back -- I'll try and meet everybody in the 23 middle here. 24 All right. Okay. So we're very 25 concerned that, at this late date in the process, here</p>	<p>1 related to DP-1236. However, they are related to the 2 Closure/Closeout Plan. And we are not going to get an 3 answer, I believe, until later this month. I think the 4 company has 60 days to respond. So that's a huge 5 concern. We're going to get into some of those details 6 here in a few minutes.</p> <p>7 Financial assurance. We're very glad to 8 hear that a surety bond will be kept in place to cover 9 100 percent of the reclamation costs of this \$1.9 10 million reclamation plan. I think this is great news. 11 We're certainly appreciative of Freeport for keeping 12 that surety bond in place because the mining act 13 rules -- you can, you know, have a third party 14 guarantee up to 75 percent. So we're appreciative of 15 keeping that surety bond in place.</p> <p>16 However, we do believe that some 17 contingency plan should be developed. That includes 18 use of Gila conglomerate in reclamation activities. So 19 as I mentioned previously, there's no -- you know, 20 leach cap is not an approved cover. We don't know if 21 leach cap will be approved by MMD and the Environment 22 Department, and until that happens we don't really 23 know, you know, if the leach cap -- the current plan 24 will be sufficient. So we encourage MMD to require an 25 additional reclamation cost estimate that covers the</p>

**IN RE Little Rock Mine Public Hearing  
Public Hearing on 09/02/2015**

**Pages 26..29**

<p style="text-align: right;"><b>Page 26</b></p> <p>1 cost of using an approved cover material, and we 2 suspect that will probably raise the costs and 3 hopefully the existing surety bond -- you have, I 4 believe, it's \$2.9 million. Freeport was suggesting, 5 you know, releasing some of that, but you've got funds 6 in that existing surety bond. So we would like to see 7 a calculation of new reclamation costs using Gila 8 conglomerate.</p> <p>9 In terms of monitoring, we are very 10 concerned that there isn't sufficient monitoring 11 locations for monitoring groundwater quality for -- or 12 down-gradient of faults. So the Closure/Closeout Plan 13 characterizes faults as low permeability barriers for 14 groundwater transport, but as we've seen with some of 15 the groundwater modeling -- or monitoring on the east 16 side of the Tyrone Mine, we have seen that 17 mine-impacted water is crossing the Sprouse-Copeland 18 Fault on the east side of the mine. And we need to 19 have monitors in place to guarantee that these faults 20 truly are low permeability barriers. So I encourage 21 the Environment Department and Mining and Minerals 22 Division to require additional monitoring so that we 23 can be sure that mine-impacted water truly is staying 24 on site.</p> <p>25 Finally I would like to talk a little bit</p>	<p style="text-align: right;"><b>Page 28</b></p> <p>1 reclamation at any of the mines. And, you know, we 2 need to protect our groundwater quality, wildlife and 3 environment. So we strongly encourage Mining and 4 Minerals Department to strictly enforce the 5 requirements of the mining act.</p> <p>6 So with that I would like to hand the 7 microphone over to Steve Blodgett for some of the 8 details, to follow up on some of these points.</p> <p>9 Thank you.</p> <p>10 HEARING OFFICER ORTH: Would you like to 11 take questions as a panel?</p> <p>12 MS. SIWIK: Sure. We can do that.</p> <p>13 HEARING OFFICER ORTH: All right.</p> <p>14 MR. BLODGETT: Thank you, Allyson. My 15 name is Steve Blodgett. I'm a consultant working with 16 J. Kuipers Associates, and I've been working on behalf 17 of GRIP on the Grant County mines since about 2002, and 18 I've actually made a couple of field trips to the 19 Little Rock Mine, although that was probably ten years 20 ago now. So I just have a few short comments here.</p> <p>21 And I'm going to follow up on Allyson's 22 comments on the leach cap material and the issues 23 related to using that for reclamation soil. We don't 24 really dispute that this material can probably provide 25 an adequate growth medium for some plants under certain</p>
<p style="text-align: right;"><b>Page 27</b></p> <p>1 about the -- Freeport's financial situation. As we've 2 all seen in the press for months now, Freeport is \$20 3 billion dollars in debt companywide, and given 4 continued low global copper prices, oil and gas prices, 5 we heard last week the company announced a new 6 operating plan that cuts, you know, operations in North 7 America, but here, in Grant County, operations are 8 going to be cut at Tyrone by 50 percent with layoffs of 9 210 employees.</p> <p>10 And, you know, we understand that the 11 company needs to control costs to create a better 12 financial situation, and the better off Freeport is, 13 the better off we are here locally. We recognize all 14 the terrific work, and -- that Freeport has done in 15 terms of reclaiming all the accelerated reclamation 16 that Freeport has done.</p> <p>17 Tom, terrific job. Your folks, over the 18 last ten years, that are going to -- you know, all of 19 this work is going to benefit our groundwater quality, 20 our environment. So that your -- the company's 21 financial situation obviously really influences what 22 you're able to do in terms of reclamations. So we 23 recognize that.</p> <p>24 However, you know, we strongly believe 25 that cost cutting shouldn't come at the expense of</p>	<p style="text-align: right;"><b>Page 29</b></p> <p>1 circumstances, but our larger concern here is that 2 there's been demonstrated success at the Tyrone Mine 3 over the last ten years in reclaiming various 4 facilities using Gila conglomerate material, which is 5 widely available throughout the Mangus Valley.</p> <p>6 And it's kind of disturbing to learn that 7 the existing leach -- I mean the existing test plots 8 are only testing leach cap material, I guess, at 9 different thicknesses and different slopes. So one 10 question that arises is what's actually being compared 11 here? It makes sense that there would be some plots 12 that had Gila conglomerate so that Gila conglomerate 13 could be compared with leach cap material in terms of 14 how well it performs as a reclamation cover soil. 15 Apparently that's not being done.</p> <p>16 Also, apparently the company has -- 17 against the advice of MMD -- decided not to apply 18 amendments like compost or mulch or other organic 19 material that might enhance revegetation. And again 20 that's unfortunate because there's widespread 21 experience throughout the mining industry around the 22 world that using amendments always and forever improves 23 reclamations. It does cause short-term problems 24 occasionally like increased weed growth and loss of 25 diversity, but those are O&amp;M problems that can be</p>



**IN RE Little Rock Mine Public Hearing  
Public Hearing on 09/02/2015**

**Pages 30..33**

Page 30	Page 32
<p>1 managed over time. So our concern is that the Gila 2 conglomerate, which has proven itself to be a good 3 reclamation cover soil, is not going to be used at all 4 at Little Rock, even though right next door at Tyrone 5 there's very extensive evidence of successful 6 reclamation using Gila conglomerate. So we would 7 recommend that Gila conglomerate be included in the 8 test plots, and that ultimately Gila conglomerate be 9 used for the reclamation cover soil at the Little Rock 10 Mine.</p> <p>11 Right now, as Allyson mentioned, the 12 existing financial assurance is \$2,944,583. Based upon 13 the revised, update closure plan and the mine plan, 14 Freeport is now estimating a total reclamation cost of 15 \$1.922 million. And we're assuming that they are going 16 to be requesting a reduction in the financial assurance 17 of about a million dollars as a consequence.</p> <p>18 Well, because there is no contingency 19 being made in these test plots for testing Gila 20 conglomerate, we think it's appropriate to maintain the 21 existing financial assurance of \$2.944 million at the 22 mine until these tests are completed. Our 23 understanding is it's going to take seven years to get 24 the initial data on the USNR plots, and then there's 25 existing plots that stockpile 780. So at that time it</p>	<p>1 concern is that even though the pit will be partially 2 backfilled, we're seeing that the pit itself is going 3 to be filled with some leach cap material, which has 4 been noted doesn't have any sulfides in it, but it's 5 also noted in the closeout plan that this material 6 contains up to .15 percent copper, even though that 7 copper would be in an oxide form and it's not readily 8 mobile in water.</p> <p>9 Our concern is that if the water level in 10 the pit lake fluctuates over the next 80 years as it's 11 approaching equilibrium, that every time the water 12 level drops, there will be soluble metal salts 13 precipitating out of the massive sulfides that underlie 14 the pit. And then, if the water level rises again, 15 those salts will be remobilized and metal will go into 16 solution.</p> <p>17 And so we're concerned that there is some 18 potential if the climate fluctuates over the next 80 19 years as the pit fills. So we think, in general, it's 20 just bad environmental policy to create another pit 21 lake, but this is an existing mine so essentially this 22 pit is being grandfathered in, as we understand the 23 process.</p> <p>24 Anyway those are our basic concerns as 25 far as leach cap, stormwater plan and the pit lake.</p>
Page 31	Page 33
<p>1 may be appropriate to request a reduction in financial 2 assurance, but in the absence of a contingency and in 3 the event that the state would have to take over 4 reclamation responsibility if there were bankruptcy, we 5 think it's appropriate to maintain the existing 6 financial assurance at 2.944 million.</p> <p>7 Just a couple other comments here. We 8 note that the state environment department has noted 9 that there's no comprehensive stormwater plan yet 10 submitted and approved for the Little Rock Mine. So we 11 feel that's a major deficiency, and we're expecting 12 that that will probably be addressed by the end of this 13 month sometime. I think the company has until 14 September 23rd or something to submit a stormwater 15 plan. So that's a deficiency that can be easily 16 rectified.</p> <p>17 And then the final concern we have 18 relates to the creation of yet another pit lake. I saw 19 Dr. Ingar Walder's initial presentation on the 20 groundwater modeling back in -- I believe it's 2002. 21 And we note that Daniel B. Stephens &amp; Associates has 22 updated the modeling and included some new features 23 liked adding the Ausen (phonetic) Amazon and Southern 24 Star Faults as potential barriers to flow to the north. 25 And those are all good efforts, but our</p>	<p>1 Thank you.</p> <p>2 HEARING OFFICER ORTH: Thank you, 3 Mr. Blodgett.</p> <p>4 Ms. Smith.</p> <p>5 MS. SMITH: I'll be brief. My name is 6 Sally Smith. I'm going to speak for the 79-plus bird 7 species that would be attracted to an open pit, and in 8 the original EIS I believe it was over 100 birds that 9 it was a fly-away zone for, the Tyrone Mine and Little 10 Rock; the 18 mammals or more that have been documented 11 there and five reptiles or more that also have been 12 documented in the area, and my -- I think the concern 13 would be, for the most part, that the pit might become 14 an attractive nuisance that we've already had an 15 experience of the pit lakes and/or the tailing piles, 16 the tailing ponds that have become a danger to wild 17 life, which resulted in an extended legal battle and 18 fees that were quite significant to the company for 19 bird kills in the past. And wildlife damage is a 20 known -- it's a known factor in pit lake creation in 21 many places around the country and I guess around the 22 world. I don't really know that detail.</p> <p>23 But in the 80 years it will take for the 24 pit to fill, it is easy to imagine climate 25 unpredictability might create a situation that Steve is</p>

IN RE Little Rock Mine Public Hearing  
Public Hearing on 09/02/2015

Pages 34..37

Page 34	Page 36
<p>1 talking about where the pit could possibly change in 2 pH, and metals -- and the metal content. 3 And, also, something that I always speak 4 about at hearings when it comes to habitat creation -- 5 there is no map here. There is a map in the -- in the 6 CDP that shows some habitat features. In my opinion 7 they are always insufficient. They are usually piles 8 of rock pushed up in vast areas of reclamation. No 9 complaints about the reclamation. It's been well done 10 and beautiful in lots of place, but the habitat is 11 limited. 12 It's always confusing in a mine site like 13 this about whether we want to attract wildlife to this 14 area. Also, you see that cattle are potentially going 15 to be involved in the mine site. Is that a danger? Is 16 that a danger to cattle? They are often attracted to 17 mine sites for whatever reason. So just that. This 18 wildlife needs to be strongly considered in moving 19 forward with this project. Thank you. 20 HEARING OFFICER ORTH: Thank you, 21 Ms. Smith. 22 Is there anyone who has questions of 23 Ms. Siwik, Mr. Blodgett or Ms. Smith? 24 No. I see no hands. 25 All right. In that case I will move to</p>	<p>1 including me. 2 And I would just encourage -- basically 3 Allyson and Sally have spoken to the issues that I had 4 with the pit lake and also the concerns about 5 groundwater flow, and also the concerns about the 6 cover. I was concerned about all of those, but I 7 appreciate the time and I appreciate the work that's 8 gone into this hearing. Thank you. 9 HEARING OFFICER ORTH: Thank you, 10 Ms. Morrison. 11 Questions? No. 12 All right. I didn't see anyone else on 13 these sign-in sheets who indicated a wish to offer 14 comment, but if you've changed your mind I'm happy to 15 hear from you. Is there anyone else who would like to 16 offer comment this evening? 17 Again, you also have an opportunity until 18 September 23rd -- I believe that's a Wednesday -- close 19 of business to send your comments in writing to the 20 Mining and Mineral Division in Santa Fe. 21 Anyone else at all? Is there any reason 22 not to adjourn then this evening? Or I suppose we 23 could take a break for a little bit if anyone thinks 24 someone might show up late? 25 MR. OHORI: Yes.</p>
Page 35	Page 37
<p>1 folks indicating a desire to offer comment who have not 2 already gone. 3 Carol Morrison, Ms. Morrison. 4 (Ms. Morrison was sworn.) 5 MS. MORRISON: And I will be brief. I've 6 been coming to the MMD meetings for 10 or 12 years. I 7 remember being out on 180 when it was so cold we had to 8 go next door to Wendy's and get coffee cups to try to 9 warm our hands, and I also remember another meeting 10 that was up at the Global Resource Center, I think 11 about eight years ago, where I -- really kind of 12 brought home to me as a citizen why I needed to be 13 coming to these meetings because I did learn that some 14 of the citations and the fines that were here that were 15 actually in abeyance and were on the books for maybe 16 four years. And I thought, "If I got a speeding ticket 17 in New Mexico, how quickly would I have to pay that?" 18 So I'm really interested in maybe putting 19 off problems so that we don't have citations and that 20 we don't have continued problems. I think we need -- 21 we want to have a good working relationship in the 22 community and with the mines, but I also believe that 23 corporations are there to maximize profits, and I 24 believe that MMD should be there to protect the 25 environment, our soil, our water, our wildlife,</p>	<p>1 HEARING OFFICER ORTH: I'm seeing yes 2 from Mr. Ohori. All right. So for the moment I'll 3 just take a break. We'll be in the room for a little 4 while in case someone is a late arrival and wants to 5 give comment. If we don't have someone say 15 or 20 6 minutes from now, I'll probably adjourn at that time. 7 Thank you all very much for coming out tonight. 8 (A recess was taken.) 9 HEARING OFFICER ORTH: Hello. No one 10 need take their seat. Let me just say that I didn't 11 see anyone else come in, but let me ask if anyone has 12 changed their mind and would like to offer anything 13 more by way of comment this evening? Otherwise I will 14 adjourn. No. 15 Thank you all very much again, and we're 16 adjourned. 17 (Meeting concluded at 6:48 p.m.) 18 19 20 21 22 23 24 25</p>

CERTIFICATE

1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25

I, Truenea Teasley, Certified Shorthand Reporter in and for the State of Texas, and Certified Court Reporter in and for the State of New Mexico, do hereby certify that the above and foregoing contains a true and correct record, produced to the best of my ability via machine shorthand and computer-aided transcription, of the proceedings had in this matter.

Certified to on September 14, 2015.



---

Truenea Teasley  
Certificate No. 8719  
Expires 12-31-2015  
Firm No. 660

**IN RE Little Rock Mine Public Hearing  
Public Hearing on 09/02/2015**

Index: \$1.5..additional

	1998	23:14		35:15
\$			5	
\$1.5	13:12	2	5,700	19:16
\$1.9	15:2	2.944	50	27:8
	25:9	20	5750	17:10
\$1.922	30:15	200		
\$2,944,583	30:12	2002	6	
\$2.9	26:4		60	25:4
\$2.944	30:21	2010	610	10:18
\$20	27:2		680	10:19
		2011	6:48	37:17
1		2014		
			7	
10	35:6	2017	70-acre	
100	25:9		10:19	
	33:8		75	25:14
11	8:3	2020	780	30:25
12	35:6	210	79-plus	33:6
14-1	2:8	23rd		
15	32:6		8	
	37:5		80	19:16
18	33:10	260	20:14	
180	35:7		32:10,18	
1890s	8:11	3	33:23	
19.10.9	3:13	3,900	9	
1940s	8:12	330	905	3:13
1970s	8:14	4		
1990s	8:24		A	
	10:8	470		
			abeyance	
				absence 31:2
				accelerated 27:15
				access 13:22
				14:8,22
				19:25
				20:1,2,17
				21:4,7,13,
				23 22:4
				accordance 3:12
				acknowledge 24:19
				acquired 9:1,3
				acquiring 8:23 9:1
				acre 19:17
				acres 10:18
				11:2,9,11,
				24,25
				act 23:17
				25:12 28:5
				activities 25:18
				activity 10:24
				actual 11:20
				adapted 3:14
				adding 31:23
				additional

**IN RE Little Rock Mine Public Hearing  
Public Hearing on 09/02/2015**

Index: address..began

20:19	<b>amount</b> 12:21	11:23, 25	<b>authority</b>
25:25	<b>and/or</b> 33:15	12:20	4:19
26:22	<b>animal</b> 20:2	20:13	
<b>address</b>		21:8, 16	<hr/> <b>B</b> <hr/>
6:21, 25	<b>animals</b>	22:11	
	13:22	33:12	<b>back</b> 2:2,
<b>addressed</b>	20:12	34:14	12, 17 3:3
7:6 31:12			9:6 10:13
<b>adequate</b>	<b>announced</b>	<b>areas</b> 11:19	19:24
28:25	27:5	14:4, 7	23:22
<b>adjourn</b>	<b>apologize</b>	20:21 34:8	24:6, 15
36:22	9:2	<b>arises</b> 29:10	31:20
37:6, 14	<b>apparently</b>	<b>array</b> 3:7	<b>backfilled</b>
<b>adjourned</b>	29:15, 16	<b>arrival</b> 37:4	32:2
37:16	<b>applicable</b>	<b>aspects</b> 2:7	<b>backfilling</b>
<b>advice</b> 29:17	3:12	<b>Associates</b>	16:23
<b>affect</b> 17:1	<b>applicant</b>	2:23 28:16	<b>bad</b> 22:9
18:18 19:1	5:18, 24	31:21	32:20
<b>agencies</b>	<b>applicants</b>	<b>assuming</b>	<b>bankruptcy</b>
4:19, 21	2:9	30:15	31:4
12:11	<b>application</b>	<b>assurance</b>	<b>barriers</b>
<b>agree</b> 12:12	2:7, 22	2:11 7:23	26:13, 20
<b>ahead</b> 23:5	9:12	12:4, 5	31:24
<b>Allyson</b> 23:7	<b>apply</b> 29:17	13:12 25:7	<b>based</b> 18:19
28:14	<b>appreciative</b>	30:12, 16,	30:12
30:11 36:3	25:11, 14	21 31:2, 6	<b>basic</b> 32:24
<b>Allyson's</b>	<b>approaching</b>	<b>attract</b>	<b>basically</b>
28:21	32:11	34:13	36:2
<b>Amazon</b> 31:23	<b>approved</b>	<b>attracted</b>	<b>bathrooms</b>
<b>amended</b> 2:7	11:3 13:2,	33:7 34:16	5:15
<b>amendments</b>	14 24:4	<b>attractive</b>	<b>battle</b> 33:17
29:18, 22	25:20, 21	20:16	<b>beautiful</b>
<b>America</b> 27:7	26:1 31:10	33:14	34:10
	<b>area</b> 8:10	<b>Ausen</b> 31:23	<b>began</b> 8:25
	10:7, 16, 24		

**IN RE Little Rock Mine Public Hearing  
Public Hearing on 09/02/2015**

Index: begin..comment

<b>begin</b> 2:2	12,15	7:19 8:19	<b>citizen</b>
<b>behalf</b> 5:24	26:3,6	<b>called</b> 9:9	35:12
28:16	<b>books</b> 35:15	10:6	<b>City</b> 2:6
<b>benefit</b>	<b>boroughs</b>	<b>cap</b> 25:20,	8:4
27:19	19:24	21,23	<b>clear</b> 15:6
<b>bermed</b> 21:3	<b>borrowed</b>	28:22	18:25 20:5
<b>berms</b> 14:18	2:24	29:8,13	<b>cliffs</b> 13:25
20:10	<b>boundaries</b>	32:3,25	<b>climate</b>
<b>big</b> 17:23	7:15	<b>Carol</b> 35:3	32:18
<b>bigger</b> 13:11	<b>boundary</b> 3:9	<b>case</b> 12:18	33:24
18:2,3	10:3,6,18	19:8 34:25	<b>close</b> 4:15
<b>billion</b> 27:3	11:4,5	37:4	8:22 20:6
<b>bird</b> 33:6,	<b>break</b> 2:24	<b>cattle</b>	36:18
19	3:1,6 4:8,	20:20,22,	<b>closeout</b>
<b>birds</b> 33:8	9 5:6 7:9	23 21:3,7,	2:10 7:17,
<b>bit</b> 3:24	9:15 36:23	22,23 22:3	18,20
14:13	37:3	34:14,16	21:10 32:5
26:25	<b>bringing</b>	<b>CDP</b> 34:6	<b>closure</b>
36:23	9:24 14:5	<b>Center</b> 35:10	13:14 19:8
<b>BLM</b> 22:12	<b>brought</b> 7:9	<b>Chain</b> 21:14	21:24
<b>BLM/USF</b>	35:12	<b>change</b> 34:1	30:13
22:10	<b>business</b>	<b>changed</b>	<b>Closure/ closeout</b>
<b>Blodgett</b>	4:15 36:19	36:14	24:1,25
23:2 28:7,	<b>C</b>	37:12	25:2 26:12
14,15 33:3	<b>calculate</b>	<b>characterizes</b>	<b>coffee</b> 35:8
34:23	12:4	26:13	<b>cold</b> 35:7
<b>blue</b> 3:3	<b>calculated</b>	<b>Chief</b> 6:11	<b>colleagues</b>
11:22	12:6	<b>Chino</b> 24:18	5:20
<b>board</b> 7:1	<b>calculation</b>	<b>circumstances</b>	<b>comment</b> 2:6
<b>boards</b> 3:8	26:7	29:1	4:11,23
7:10	<b>call</b> 2:14	<b>citations</b>	17:11
<b>bond</b> 25:8,	5:19,21	35:14,19	24:13 35:1
			36:14,16

**IN RE Little Rock Mine Public Hearing  
Public Hearing on 09/02/2015**

Index: comments..cover

37:5,13	<b>comprehensive</b>	2:19	<b>control</b>
<b>comments</b> 3:5	24:14 31:9	<b>consequence</b>	27:11
4:13 23:19	<b>concern</b>	30:17	<b>copper</b> 8:18
28:20,22	14:13 25:5	<b>conservative</b>	9:9,14,21
31:7 36:19	29:1 30:1	14:15	27:4 32:6,
<b>Commission</b>	31:17	<b>consideration</b>	7
3:15	32:1,9	5:12	<b>copy</b> 2:24
<b>community</b>	33:12	<b>considered</b>	3:19
23:10	<b>concerned</b>	4:14 34:18	<b>corporations</b>
35:22	23:25	<b>consultant</b>	35:23
<b>company</b>	24:12	28:15	<b>correct</b> 2:15
8:15,16,17	26:10	<b>contact</b>	19:17
24:7,9,20	32:17 36:6	18:13	<b>cost</b> 12:5,
25:4 27:5,	<b>concerns</b>	<b>contemplated</b>	6,10 15:2
11 29:16	32:24	22:3	21:9 25:25
31:13	36:4,5	<b>content</b>	26:1 27:25
33:18	<b>concluded</b>	19:20 34:2	30:14
<b>company's</b>	37:17	<b>contingency</b>	<b>costs</b> 12:5,
27:20	<b>conditions</b>	25:17	17,23,24
<b>companywide</b>	14:19	30:18 31:2	13:13 25:9
27:3	18:20	<b>continue</b>	26:2,7
<b>compared</b>	<b>conducted</b>	18:24	27:11
29:10,13	3:11	<b>continued</b>	<b>country</b>
<b>complaints</b>	12:14,22	27:4 35:20	33:21
34:9	<b>configuration</b>	<b>continues</b>	<b>County</b> 8:2
<b>complete</b>	12:6 17:16	18:1	23:13,15
24:4	<b>confusing</b>	<b>contour</b>	27:7 28:17
<b>completed</b>	12:7 34:12	15:18,19	<b>couple</b> 20:8
30:22	<b>conglomerate</b>	<b>contouring</b>	28:18 31:7
<b>completely</b>	25:18 26:8	14:20	<b>court</b> 3:18
17:10	29:4,12	<b>contours</b>	4:3
<b>compost</b>	30:2,6,7,	15:20	<b>cover</b> 7:13
29:18	8,20	<b>connection</b>	24:4 25:8,
			20 26:1

**IN RE Little Rock Mine Public Hearing  
Public Hearing on 09/02/2015**

Index: covers..EIS

29:14	<b>danger</b> 33:16	<b>designed</b> 5:8,11
30:3,9	34:15,16	24:8 26:22
36:6	<b>Daniel</b> 31:21	36:20
<b>covers</b> 25:25	<b>dark</b> 11:22	<b>documented</b> 33:10,12
<b>coworkers</b> 6:21	<b>darker</b> 10:25	<b>documents</b> 2:20 8:1
<b>create</b> 27:11	<b>data</b> 30:24	<b>dollars</b> 15:3
32:20	<b>date</b> 23:25	27:3 30:17
33:25	<b>dated</b> 24:22	<b>door</b> 30:4
<b>creation</b> 31:18	<b>David</b> 3:3	35:8
33:20 34:4	6:16	<b>down-gradient</b> 26:12
<b>crest</b> 11:18,	<b>days</b> 25:4	<b>DP-1236</b> 25:1
21,23	<b>debt</b> 27:3	<b>drops</b> 32:12
<b>cross-examination</b> 3:16	<b>decided</b> 29:17	<hr/> E <hr/>
<b>crossing</b> 26:17	<b>deficiency</b> 31:11,15	<b>earlier</b> 4:7
<b>cups</b> 35:8	<b>define</b> 10:11	<b>easily</b> 31:15
<b>current</b> 10:18	<b>deliver</b> 11:16	<b>east</b> 11:12
11:3,9,21	<b>demonstrated</b> 24:9 29:2	13:11
13:1,8	<b>department</b> 4:22 5:2,	15:24
20:23	10 6:13	26:15,18
25:23	24:8,23	<b>easy</b> 33:24
<b>cut</b> 27:8	25:22	<b>economic</b> 8:24
<b>cuts</b> 27:6	26:21 28:4	<b>edge</b> 20:12
<b>cutting</b> 27:25	31:8	<b>efforts</b> 31:25
<hr/> D <hr/>	<b>depending</b> 14:19	<b>Ehlert</b> 5:1
<b>damage</b> 33:19	<b>design</b> 17:13	<b>EIS</b> 33:8



**IN RE Little Rock Mine Public Hearing  
Public Hearing on 09/02/2015**

Index: elevation..fencing

<b>elevation</b> 15:19,20, 23 17:9	<b>environmental</b> 6:12,13,23 23:9 32:20	<b>Executive</b> 23:8	<b>extended</b> 33:17
<b>elk</b> 19:24	<b>equilibrium</b> 19:4 32:11	<b>existing</b> 3:8 9:20 26:3, 6 29:7	<b>extensive</b> 30:5
<b>EMNRD</b> 2:20	<b>equipment</b> 14:5,8	30:12,21, 25 31:5 32:21	<hr/> <b>F</b> <hr/>
<b>employees</b> 27:9	<b>essentially</b> 3:15 32:21	<b>expand</b> 2:10 9:13 10:19 11:1	<b>facilities</b> 29:4
<b>en</b> 6:5 23:4	<b>estimate</b> 7:23 15:4 21:10 25:25	<b>expanded</b> 3:9	<b>facility</b> 12:1
<b>encourage</b> 2:21 25:24 26:20 28:3 36:2	<b>estimating</b> 30:14	<b>expanding</b> 10:10 11:19	<b>fact</b> 2:18 21:19
<b>end</b> 4:12,17 7:7 16:14 31:12	<b>evening</b> 2:6 3:5 23:7, 19 36:16, 22 37:13	<b>expansion</b> 7:14,16 10:4,16,20 11:11,12	<b>factor</b> 33:20
<b>enforce</b> 28:4	<b>event</b> 18:20 31:3	<b>expectation</b> 7:5	<b>Fault</b> 26:18
<b>Engineer</b> 6:12	<b>events</b> 2:19	<b>expecting</b> 31:11	<b>faults</b> 26:12,13, 19 31:24
<b>engineers</b> 10:9	<b>eventually</b> 3:21	<b>expense</b> 27:25	<b>Fe</b> 23:15 36:20
<b>enhance</b> 29:19	<b>evidence</b> 2:14 30:5	<b>expensive</b> 12:11,13, 18 15:8 19:7	<b>features</b> 31:22 34:6
<b>ensure</b> 16:25	<b>exceed</b> 14:16	<b>experience</b> 29:21 33:15	<b>feel</b> 31:11
<b>entire</b> 13:21 14:18	<b>exceedings</b> 14:14	<b>explosives</b> 9:15	<b>fees</b> 33:18
<b>environment</b> 4:22 5:10 23:10 24:8,23 25:21 26:21 27:20 28:3 31:8 35:25	<b>excessive</b> 19:20		<b>Felicia</b> 2:5 3:23
	<b>Excuse</b> 3:23		<b>fence</b> 19:22 21:16
			<b>fenced</b> 21:3
			<b>fences</b> 21:11
			<b>fencing</b> 14:19 20:9,10,

**IN RE Little Rock Mine Public Hearing  
Public Hearing on 09/02/2015**

Index: field..guarantee

20,22,23	<b>fluoride</b>	<b>full</b> 17:10	32:22
21:7,22,25	14:15,16	<b>funds</b> 26:5	<b>Grant</b> 8:2
22:3	19:20	<b>funky</b> 11:14	23:13,15
<b>field</b> 28:18	<b>fly-away</b>	<b>future</b>	27:7 28:17
<b>fill</b> 33:24	33:9	21:19,22	<b>gray</b> 14:3
<b>filled</b> 32:3	<b>focus</b> 6:14	<hr/> <b>G</b> <hr/>	<b>grazing</b>
<b>fills</b> 32:19	<b>folks</b> 4:9		21:21
<b>final</b> 17:13	5:21,23	<b>gas</b> 27:4	<b>great</b> 25:10
31:17	16:10	<b>general</b> 8:7	<b>greatest</b>
<b>Finally</b> 4:18	27:17 35:1	12:10	12:20
26:25	<b>follow</b> 10:14	32:19	<b>green</b> 10:12,
<b>financial</b>	11:13	<b>gentlemen</b>	24,25
2:11 7:23	28:8,21	5:5	11:2,10,22
12:4,5	<b>foot</b> 19:17	<b>Gila</b> 23:8	<b>GRIP</b> 5:20
13:12 25:7	<b>Forest</b> 22:12	25:18 26:7	22:25
27:1,12,21	<b>forever</b>	29:4,12	28:17
30:12,16,	29:22	30:1,6,7,	<b>ground</b> 15:19
21 31:1,6	<b>form</b> 17:15	8,19	17:1
<b>fines</b> 35:14	32:7	<b>give</b> 7:15	<b>groundwater</b>
<b>five-year</b>	<b>forward</b> 5:12	8:6 23:19	15:15,16
12:7	34:19	37:5	18:18,19
<b>flat</b> 13:24	<b>founded</b>	<b>glad</b> 25:7	19:1,4
<b>floral</b> 8:12	23:14	<b>global</b> 27:4	24:11
<b>flow</b> 15:16	<b>Freeport</b>	35:10	26:11,14,
16:7 31:24	24:7 25:11	<b>Golder</b> 2:22	15 27:19
36:5	26:4 27:2,	<b>good</b> 6:7	28:2 31:20
<b>flowing</b>	12,14,16	7:3 14:12	36:5
15:24	30:14	17:23 23:7	<b>group</b> 23:9
<b>fluctuate</b>	<b>Freeport's</b>	30:2 31:25	<b>growth</b> 28:25
18:11,13	27:1	35:21	29:24
<b>fluctuates</b>	<b>Freeport-</b>	<b>GR007RE</b> 2:8	<b>guarantee</b>
32:10,18	<b>mcmoran</b> 5:18	<b>grandfathered</b>	25:14
	6:12		26:19

**IN RE Little Rock Mine Public Hearing  
Public Hearing on 09/02/2015**

Index: guess..July

<b>guess</b> 6:8 7:2 29:8 33:21	<b>hearing</b> 2:1, 4 3:11,17, 25 4:5,13, 17 5:3,13 6:3,6 9:4 15:11 19:12 22:6,21 23:3,5 24:1 28:10,13 33:2 34:20 36:8,9 37:1,9	<b>human</b> 21:12 <b>humans</b> 20:16 <b>hypothetical</b> 18:22 <hr/> <b>I</b> <hr/>	<b>information</b> 19:9 23:8 <b>Ingar</b> 31:19 <b>initial</b> 30:24 31:19 <b>inside</b> 16:24 <b>insufficient</b> 34:7 <b>intention</b> 19:25 <b>interested</b> 8:23 35:18 <b>introduce</b> 6:20 <b>intuitively</b> 12:15 <b>involved</b> 14:13 23:12 34:15 <b>issued</b> 5:9 <b>issues</b> 23:12,17 24:2,23 28:22 36:3 <b>items</b> 3:10 <hr/> <b>J</b> <hr/>
<hr/> <b>H</b> <hr/>		<b>idea</b> 8:6 17:23 <b>identify</b> 22:24 <b>imagine</b> 33:24 <b>improves</b> 29:22 <b>included</b> 7:25 14:25 30:7 31:22 <b>includes</b> 25:17 <b>including</b> 2:22 4:24 36:1 <b>inconsistency</b> 24:17 <b>increased</b> 29:24 <b>indicating</b> 35:1 <b>industry</b> 29:21 <b>influences</b> 27:21	
<b>guided</b> 6:18			
<b>guys</b> 4:25 17:13			
<b>habitat</b> 13:16,18 14:1 21:20 34:4,6,10			
<b>half</b> 4:9 15:3	<b>hearings</b> 34:4		
<b>hand</b> 6:4 9:22 28:6	<b>held</b> 9:7		
<b>hands</b> 34:24 35:9	<b>high</b> 13:25 14:15 18:20 19:23 20:11 21:15		
<b>happen</b> 22:1	<b>higher</b> 15:3, 22 20:13		
<b>happy</b> 3:5 5:5 17:4 36:14	<b>highest</b> 12:6 <b>historic</b> 9:9 <b>history</b> 8:10 <b>Holland</b> 3:2 6:17		
<b>haul</b> 11:7, 15 12:1 14:20,21, 23 20:21, 24	<b>home</b> 35:12 <b>hour</b> 4:8 <b>huge</b> 25:4		
<b>head</b> 19:18			
<b>health</b> 23:10			
<b>hear</b> 2:2 4:6 25:8 36:15			
<b>heard</b> 27:5			

**IN RE Little Rock Mine Public Hearing  
Public Hearing on 09/02/2015**

Index: keeping..majority

	17:12,21	<b>legal</b> 33:17	<b>loss</b> 29:24
<b>K</b>	18:3,7,10,	<b>letter</b> 24:22	<b>lost</b> 4:25
	14,17,25	<b>letters</b>	<b>lot</b> 13:20
<b>keeping</b>	19:7,13,	24:5,13	15:18
25:11,15	18,21	<b>level</b> 23:18	18:19
<b>Keith</b> 5:1	20:2,5,8,	32:9,12,14	<b>lots</b> 34:10
<b>kills</b> 33:19	18,25	<b>life</b> 22:2	<b>love</b> 10:9
	22:7,23	33:17	<b>low</b> 26:13,
<b>kind</b> 6:9	<b>landowners</b>	<b>limited</b>	20 27:4
11:14 12:7	22:10,12	34:11	<b>lower</b> 15:23
13:2 17:5	<b>language</b>	<b>limits</b> 10:7,	18:8,9
23:21 29:6	7:18	11	20:13
35:11	<b>large</b> 9:16	<b>lines</b> 11:1	<b>Lynn</b> 6:11
<b>kinds</b> 20:10	<b>larger</b> 13:11	<b>link</b> 21:14	20:19
<b>Kuipers</b>	29:1	<b>list</b> 24:23	21:11
28:16	<b>late</b> 23:25	<b>listening</b>	
<b>Kurt</b> 4:24	36:24 37:4	17:2	<b>M</b>
	<b>layoffs</b> 27:8	<b>livestock</b>	<b>machines</b>
<b>L</b>	<b>leach</b> 8:20	21:16 22:4	5:16
<b>labels</b> 20:8	9:9 18:12,	<b>load</b> 9:17	<b>made</b> 28:18
<b>lake</b> 14:9,	13,14	<b>locally</b>	30:19
24 17:8,	24:10	27:13	<b>magenta</b>
15,23 18:2	25:20,21,	<b>located</b> 8:1,	10:7,12,14
19:17	23 28:22	3,22 16:14	<b>main</b> 16:8
20:1,3	29:7,8,13	<b>location</b>	<b>maintain</b>
31:18	32:3,25	7:25 8:8	30:20 31:5
32:10,21,	<b>Lead</b> 6:16	<b>locations</b>	<b>maintenance</b>
25 33:20	<b>leads</b> 11:8	21:9 26:11	15:1
36:4	<b>learn</b> 29:6	<b>long</b> 4:10	<b>major</b> 13:10
<b>lakes</b> 33:15	35:13	7:2 17:15	31:11
<b>land</b> 13:15	<b>leased</b> 8:16	<b>long-term</b>	<b>majority</b>
<b>Lande</b> 5:19,	<b>left</b> 15:17,	14:25	10:15
25 6:1,6,	23 24:23		
7,11 10:23			
15:14 16:5			

**IN RE Little Rock Mine Public Hearing  
Public Hearing on 09/02/2015**

**Index: make..mining**

<b>make</b> 12:9 13:19,20	26:1 28:22,24	<b>microphone</b> 6:9 28:7	18 28:19 29:2
<b>makes</b> 29:11	29:4,8,13, 19 32:3,5	<b>middle</b> 22:17 23:23	30:10,13, 22 31:10
<b>making</b> 16:24	<b>materials</b> 8:11	<b>mile</b> 8:4	32:21 33:9 34:12,15, 17
<b>mammals</b> 33:10	<b>matter</b> 21:21	<b>miles</b> 8:3	<b>mine-impacted</b> 26:17,23
<b>managed</b> 30:1	<b>maximize</b> 35:23	<b>million</b> 13:13 15:2,3	<b>mined</b> 8:12
<b>Manager</b> 6:17,23,24	<b>means</b> 7:19 9:6 12:8	25:10 26:4 30:15,17, 21 31:6	<b>Mineral</b> 2:25 36:20
<b>Mangus</b> 29:5	15:24	<b>mind</b> 36:14 37:12	<b>mineralization</b> 16:20
<b>map</b> 7:25 8:8 11:6,7 15:17,18, 20,22,25 20:6 34:5	<b>medium</b> 28:25	<b>mine</b> 2:18 4:6,7,21 5:2 6:14 7:14,16 8:1,3,5,9, 17,23,24 9:1,3,11, 13,19,22, 24,25 10:1,7,12, 16 11:3,8, 12 12:6,8, 9,20 13:10,12, 14,21,23 14:1,18 15:6,7 16:2,3,6, 7,11,14, 19,20,23, 25 21:4,8, 24 26:16,	<b>Minerals</b> 2:21 4:15 5:8,11 24:7 26:21 28:4
<b>maps</b> 8:5	<b>meet</b> 23:22	<b>meetings</b> 35:6,13	<b>miners</b> 8:11
<b>Martin</b> 6:2, 22 10:21 17:5 19:14,19, 22 20:4,7, 14 22:7,8, 14,20	<b>meeting</b> 35:9 37:17	<b>meets</b> 24:10	<b>mines</b> 23:13 28:1,17 35:22
<b>mass</b> 23:4	<b>meetings</b> 35:6,13	<b>member</b> 23:16	<b>mining</b> 2:8, 10,20,25 3:13,15 4:14 5:8, 11 8:10, 11,15,17 9:14 11:4 18:1,24 19:3 23:17 24:7 25:12 26:21 28:3,5
<b>masse</b> 6:5	<b>mentioned</b> 25:19 30:11	<b>mention</b> 4:7 16:22	
<b>massive</b> 32:13	<b>mentioned</b> 25:19 30:11	<b>metal</b> 32:12, 15 34:2	
<b>material</b> 9:18,23 11:16 16:17,18, 19,21,23 18:15 24:4	<b>metals</b> 34:2	<b>metals</b> 34:2	
	<b>Mexico</b> 2:8 3:14 4:22 5:10 6:24 8:2 23:11, 16 35:17		

**IN RE Little Rock Mine Public Hearing  
Public Hearing on 09/02/2015**

Index: minutes..Orth

29:21	move 34:25	20:16	open 14:9,
36:20		33:14	24 16:8
minutes 25:6	moving 34:18	number 2:20	24:16 33:7
37:6	mulch 29:18	3:8 4:18	operate
MMD 6:16	N		11:20
7:20 11:1		O	operated
24:9	natural 8:15		8:16,18
25:21,24	23:11	O&m 29:25	operating
29:17	needed 35:12	oath 3:16	27:6
35:6,24	Network	23:2	operation
mobile 32:8	23:17	occasionally	2:10 4:20
model 14:11,	news 7:3	29:24	9:14
12,15	25:10	offer 35:1	operational
19:15	nice 10:8	36:13,16	10:24
modeling	NMED 4:24	37:12	13:13 21:7
26:15	5:12,13	offered 4:11	operations
31:20,22	19:10	OFFICER 2:1,	6:24 9:6
modern 8:14	24:10	4 3:25 4:5	19:2 27:6,
moment 37:2	nods 19:18	5:3 6:3,6	7
monitor		15:11	opinion 34:6
14:25	non-coal	19:12	opportunity
monitoring	3:13	22:6,21	36:17
14:25	nonprofit	23:3,5	order 5:21
26:9,10,	23:9	28:10,13	organic
11,15,22	normal 7:18	33:2 34:20	29:18
monitors	north 27:6	36:9 37:1,	organization
26:19	31:24	9	23:13,20
month 25:3	note 24:17	Ohori 3:3,	original
31:13	31:8,21	22,23 4:4	14:10 33:8
months 27:2	noted 31:8	6:16 36:25	Orth 2:1,4,
Morrison	32:4,5	37:2	5 3:25 4:5
35:3,4,5	notes 7:24	oil 27:4	5:3 6:3,6
36:10	nuisance	17	15:11

**IN RE Little Rock Mine Public Hearing  
Public Hearing on 09/02/2015 Index: out-slopes..potentiometric**

19:12	<b>party</b> 25:13	<b>piles</b> 33:15	<b>planners</b>
22:6,21	<b>past</b> 33:19	34:7	12:8
23:3,5	<b>patient</b> 17:3	<b>pit</b> 11:18,	<b>plans</b> 12:12
28:10,13	<b>pay</b> 35:17	21,22	19:9
33:2 34:20	<b>peak</b> 20:11	14:9,24	<b>plant</b> 8:19,
36:9 37:1,	<b>people</b> 17:22	16:8 17:8,	20
9	20:1	15 22:17	<b>plants</b> 28:25
<b>out-slopes</b>	<b>percent</b>	24:16,21	<b>plots</b> 29:7,
13:23	25:9,14	31:18	11 30:8,
<b>outer</b> 10:7	27:8 32:6	32:1,2,10,	19,24,25
<b>overburdened</b>	<b>performs</b>	14,19,20,	<b>point</b> 11:18,
8:21 9:23	29:14	22,25	20 13:1
16:17	<b>period</b> 12:7	33:7,13,	15:4,5
18:15,17	<b>permeability</b>	15,20,24	<b>pointer</b> 10:5
<b>overview</b>	26:13,20	34:1 36:4	<b>points</b> 28:8
7:15 9:13	<b>permit</b> 2:8,	<b>place</b> 6:8	<b>policy</b> 32:20
23:19	19,22 3:9	25:8,12,15	<b>ponds</b> 33:16
<b>owned</b> 22:19	5:2,9,18,	26:19	<b>portrayal</b>
<b>oxide</b> 32:7	24 6:16	34:10	17:8
<hr/>	7:20 10:2,	<b>places</b> 13:23	<b>possibly</b>
<b>P</b>	3,6,18	21:23	34:1
<hr/>	22:2 24:2	33:21	<b>post-mining</b>
<b>p.m.</b> 37:17	<b>permitting</b>	<b>plan</b> 2:9,11	13:15
<b>panel</b> 28:11	8:25 23:12	7:17,18,	<b>poster</b> 3:8
<b>part</b> 10:3	<b>ph</b> 34:2	19,20	7:10
11:5	<b>phonetic</b>	11:9,10	<b>potential</b>
14:22,23	31:23	13:2,8,14	31:24
21:2 33:13	<b>photographs</b>	14:10	32:18
<b>partially</b>	3:10	15:6,7	<b>potentially</b>
24:20 32:1	<b>picture</b> 9:17	19:15	34:14
<b>participation</b>	<b>pictures</b>	24:2,3,14	<b>potentiometric</b>
2:15 3:14	11:4	25:2,10,	15:17,18,
<b>partners</b>		17,23	
23:18		26:12 27:6	
		30:13	
		31:9,15	
		32:5,25	

**IN RE Little Rock Mine Public Hearing  
Public Hearing on 09/02/2015**

Index: precipitating..reasons

25	<b>problems</b>	10:19	27:19 28:2
<b>precipitating</b>	29:23,25	<b>protect</b>	<b>question</b>
32:13	35:19,20	24:11 28:2	15:9,12
<b>precipitation</b>	<b>procedural</b>	35:24	17:6 20:19
8:20	5:15	<b>protecting</b>	21:2,6
<b>preclude</b>	<b>process</b>	23:10	29:10
21:21 22:4	6:18,22	<b>proven</b> 30:2	<b>questions</b>
<b>prepare</b> 2:1	9:21 10:3	<b>provide</b>	5:15 6:21,
7:10	23:25	28:24	25 7:6,8,9
<b>prepared</b>	24:18	<b>providing</b>	17:3 19:13
2:22	32:23	4:23	22:6,21,22
<b>presentation</b>	<b>processing</b>	<b>public</b> 2:6,	28:11
5:18 7:2,	9:21	15 3:14,21	34:22
5,7 8:6	<b>produced</b>	4:11 24:1	36:11
23:6 31:19	8:18	<b>pump</b> 18:23	<b>quickly</b>
<b>press</b> 27:2	<b>profits</b>	19:2,3	35:17
<b>pretty</b> 10:11	35:23	<b>purchase</b>	<hr/> R <hr/>
13:7,9	<b>Program</b> 6:17	3:19	<b>rain</b> 18:20
14:1	<b>project</b> 10:4	<b>pushed</b> 34:8	<b>raise</b> 6:4
<b>prevent</b>	23:9 34:19	<b>put</b> 9:18	26:2
19:25	<b>projected</b>	13:3,5	<b>ramp</b> 18:6,
20:17	17:17,25	17:23	9,12
<b>previous</b>	<b>promotes</b>	19:23	<b>reach</b> 19:4
15:3	23:10	<b>putting</b>	<b>read</b> 19:14
<b>previously</b>	<b>property</b>	9:23,25	<b>readily</b> 32:7
25:19	22:11,16,	35:18	<b>reading</b> 22:9
<b>prices</b> 27:4	18	<hr/> Q <hr/>	<b>ready</b> 4:11
<b>primarily</b>	<b>proposal</b>	<b>quality</b>	<b>reason</b> 12:23
21:11	13:14	14:11,12	13:6 21:18
<b>private</b> 8:17	<b>proposed</b> 3:9	15:15 17:1	34:17
22:11,16,	11:10,23	19:1 24:11	36:21
18	13:2,8,15	26:11	<b>reasons</b>
	<b>proposing</b>		



**IN RE Little Rock Mine Public Hearing  
Public Hearing on 09/02/2015**

Index: recently..rock

21:12	<b>record</b> 3:21	26:5	<b>resources</b> 23:8,11
<b>recently</b> 16:13	<b>recorded</b> 3:17	<b>remained</b> 17:16	<b>respond</b> 25:4
<b>recess</b> 37:8	<b>recreation</b> 21:21	<b>remember</b> 35:7,9	<b>responsibility</b> 31:4
<b>reclaimed</b> 9:8 14:21 16:11,13, 16	<b>rectified</b> 31:16	<b>remobilized</b> 32:15	<b>rest</b> 21:16
<b>reclaiming</b> 24:21 27:15 29:3	<b>red</b> 14:2,3, 4	<b>repeat</b> 4:17	<b>restrict</b> 21:12
<b>reclamation</b> 7:13,19,20 12:17,18, 21 13:13, 17 16:21 24:3,10 25:9,10, 18,25 26:7 27:15 28:1,23 29:14 30:3,6,9, 14 31:4 34:8,9	<b>reduction</b> 30:16 31:1	<b>reporter</b> 3:18	<b>resulted</b> 33:17
	<b>references</b> 22:10	<b>reporting</b> 15:1	<b>revegetation</b> 14:23 29:19
	<b>referred</b> 4:6	<b>representative</b> s 2:25 4:23	<b>review</b> 7:12
	<b>regrade</b> 14:6	<b>reptiles</b> 33:11	<b>revised</b> 30:13
	<b>regrading</b> 12:24	<b>request</b> 31:1	<b>revision</b> 2:7
	<b>regulates</b> 4:21	<b>requesting</b> 9:5 30:16	<b>Richard</b> 19:14
	<b>regulation</b> 3:12	<b>require</b> 25:24 26:22	<b>rip</b> 14:6
	<b>regulatory</b> 4:18,19,20	<b>required</b> 24:16	<b>rises</b> 32:14
<b>reclamations</b> 6:14,23 12:13,21 21:10 27:22 29:23	<b>related</b> 23:12 24:24 25:1 28:23	<b>requirements</b> 24:11 28:5	<b>road</b> 11:7, 15 12:1 14:20,21, 23 20:21
	<b>relates</b> 5:8 31:18	<b>reseeding</b> 12:24	<b>roads</b> 20:24
<b>recognize</b> 27:13,23	<b>relationship</b> 16:1 35:21	<b>resembles</b> 2:18	<b>rock</b> 4:7,21 5:2 7:14 8:3,16 9:15,18, 22,24 16:1,4,5, 6,19,20,
<b>recommend</b> 30:7	<b>releasing</b>	<b>Resource</b> 8:16 35:10	

**IN RE Little Rock Mine Public Hearing  
Public Hearing on 09/02/2015**

Index: room..Smith

23,25	<b>seat</b> 37:10	<b>shirt</b> 3:3	18,19
24:18	<b>Section</b> 3:13	<b>short</b> 28:20	16:12
28:19	<b>sections</b>	<b>short-term</b>	21:4,24
30:4,9	20:22	29:23	26:24
31:10	<b>security</b>	<b>shovel</b> 9:16	34:12,15
33:10 34:8	20:15,18	<b>show</b> 3:8	<b>sites</b> 34:17
<b>room</b> 3:3	<b>send</b> 36:19	11:5,6	<b>situation</b>
9:7 23:14	<b>sense</b> 29:11	13:8 15:25	27:1,12,21
37:3	<b>sentence</b>	16:2,10	33:25
<b>rooms</b> 23:15	12:7	17:22	<b>Siwik</b> 5:20
<b>roughly</b>	<b>separate</b>	21:9,22	22:24
13:12	13:5	36:24	23:1,6,7
<b>row</b> 2:2	<b>September</b>	<b>shows</b> 8:1	28:12
<b>rules</b> 3:14	4:16 31:14	14:12	34:23
24:10	36:18	16:10 34:6	<b>six-foot</b>
25:13	<b>Service</b>	<b>side</b> 10:1	19:22
<hr/> <b>S</b> <hr/>	22:12	11:12	<b>size</b> 18:1
<b>safety</b>	<b>set</b> 8:19	15:17 20:9	<b>slide</b> 7:11,
14:17,18	<b>shape</b> 11:14	26:16,18	24 8:9
21:12	<b>share</b> 4:19	<b>sign</b> 5:22	13:6,20
<b>salesmen</b>	<b>sheet</b> 2:12,	<b>sign-in</b>	15:14
2:13	18	2:12,14	16:9,10
<b>Sally</b> 15:11	<b>sheets</b> 2:14	36:13	17:2,7
17:14	36:13	<b>signed</b> 2:13	<b>slides</b> 13:6
18:18 23:1	<b>Shelley</b> 5:25	5:21	<b>slopes</b> 14:19
33:6 36:3	6:2,23	<b>significant</b>	29:9
<b>salts</b> 32:12,	17:14,18,	24:2 33:18	<b>small</b> 13:5
15	20 21:5,	<b>Silver</b> 2:6	<b>Smith</b> 15:9,
<b>Santa</b> 23:15	15,25	8:4	13 17:6,
36:20	22:7,23	<b>similar</b>	17,19,25
<b>scenario</b>	<b>Shepherd</b> 3:2	13:7,9	18:5,9,11,
19:8	6:17	<b>simply</b> 12:19	16,22
		<b>site</b> 8:13,	19:5,11
			20:19

**IN RE Little Rock Mine Public Hearing  
Public Hearing on 09/02/2015**

Index: soil..talk

21:1,14,18	<b>species</b> 33:7	<b>stockpile</b>	<b>suggesting</b>
22:5 23:1	<b>speeding</b>	8:20,21	26:4
33:4,5,6	35:16	9:9,20	<b>sulfides</b>
34:21,23	<b>spelling</b>	16:11,12,	32:4,13
<b>soil</b> 28:23	2:15	24 18:12,	<b>suppose</b> 22:1
29:14	<b>spent</b> 13:20	13,14 19:1	36:22
30:3,9	<b>spoken</b> 36:3	30:25	<b>surety</b> 25:8,
35:25	<b>Sprouse-</b>	<b>stockpiles</b>	12,15
<b>Soltero</b> 6:2,	<b>copeland</b>	9:9 16:18	26:3,6
22 10:22	26:17	<b>stop</b> 19:3	<b>surface</b>
22:13,15,	<b>squared</b> 10:9	<b>stormwater</b>	12:21
23	<b>staff</b> 5:11	24:14	15:20
<b>soluble</b>	<b>stand</b> 6:8	31:9,14	<b>surfaces</b>
32:12	23:2	32:25	13:24
<b>solution</b>	<b>standards</b>	<b>strictly</b>	<b>surprise</b>
32:16	24:10	5:14 28:4	13:9
<b>sort</b> 3:7	<b>standby</b> 9:6	<b>strongly</b>	<b>suspect</b> 26:2
<b>south</b> 16:14	<b>Star</b> 31:24	27:24 28:3	<b>Sustainability</b>
22:18	<b>start</b> 5:17	34:18	6:13
<b>Southern</b>	9:11	<b>structure</b>	<b>sworn</b> 6:5
31:23	<b>started</b> 6:15	19:8	23:4 35:4
<b>southwest</b>	7:12 9:23	<b>stuff</b> 12:24	
8:4	<b>state</b> 23:18	<b>subject</b> 3:16	<hr/> <b>T</b> <hr/>
<b>southwestern</b>	31:3,8	<b>submit</b> 4:14	<b>table</b> 15:21
8:2 23:11	<b>States</b> 8:15	5:7 31:14	<b>tailing</b>
<b>spar</b> 8:12	<b>staying</b>	<b>submitted</b>	33:15,16
<b>speak</b> 2:24	26:23	9:12 31:10	<b>talk</b> 3:5
33:6 34:3	<b>Stephens</b>	<b>success</b> 29:2	5:6 7:16,
<b>SPEAKER</b> 2:3	31:21	<b>successful</b>	22 9:10
4:2 16:4	<b>Steve</b> 23:1	30:5	10:2,5,23
<b>speakers</b> 6:5	28:7,15	<b>sufficient</b>	12:3 15:16
23:4	33:25	25:24	23:20
<b>speaking</b> 3:4		26:10	26:25

**IN RE Little Rock Mine Public Hearing  
Public Hearing on 09/02/2015**

Index: talked..voluntary

<b>talked</b> 11:18 14:20,24 15:6,15 16:24	15:5 21:3	26:14	29:20
<b>talking</b> 21:11 34:1	<b>things</b> 21:15 <b>thinks</b> 36:23 <b>thought</b> 17:21 35:16	<b>tricky</b> 7:18 <b>trips</b> 28:18 <b>truck</b> 9:19 <b>trucks</b> 9:17 <b>Truenea</b> 3:18 <b>turn</b> 3:24 <b>typical</b> 9:14 <b>Tyrone</b> 6:22 8:5,23,25 9:8,11,19, 21,25 11:8 16:1,3,6,8 24:19 26:16 27:8 29:2 30:4 33:9	<b>UNIDENTIFIED</b> 2:3 4:2 16:4 <b>United</b> 8:15 <b>unpredictabili</b> <b>ty</b> 33:25 <b>unresolved</b> 24:3 <b>update</b> 30:13 <b>updated</b> 2:10 14:11,12 31:22 <b>USNR</b> 8:15 16:11 30:24
<b>Teasley</b> 3:18,20	<b>ticket</b> 35:16		
<b>ten</b> 27:18 28:19 29:3	<b>time</b> 2:18 9:8 13:20 20:14 24:19 30:1,25 32:11 36:7 37:6		
<b>term</b> 17:15			
<b>terms</b> 26:9 27:15,22 29:13			
<b>terrific</b> 2:5 27:14,17	<b>times</b> 23:15 <b>today</b> 6:22 7:13		
<b>test</b> 29:7 30:8,19	<b>Tom</b> 6:23		
<b>tested</b> 16:25 18:17	17:4 20:25 21:2,14 27:17		
<b>testify</b> 22:25	<b>tonight</b> 3:1 4:6,10,23, 24 5:7 37:7	<b>uh-huh</b> 10:22 18:4 19:21	<b>Valley</b> 29:5 <b>vast</b> 34:8 <b>vegetate</b> 14:6 <b>vegetation</b> 12:23 <b>vending</b> 5:16 <b>Vollbredt</b> 4:24 <b>volume</b> 3:24 <b>voluntary</b> 20:11
<b>testifying</b> 5:24		<b>ultimately</b> 30:8	
<b>testimony</b> 3:15	<b>top</b> 24:10	<b>underlie</b> 32:13	
<b>testing</b> 29:8 30:19	<b>total</b> 30:14	<b>understand</b> 5:10 24:25 27:10 32:22	
<b>tests</b> 30:22	<b>transcribed</b> 3:18		
<b>thicknesses</b> 29:9	<b>transcript</b> 2:16 3:19, 20	<b>understanding</b> 30:23	
<b>thing</b> 7:22 11:17 12:3	<b>transport</b>	<b>unfortunate</b>	

**IN RE Little Rock Mine Public Hearing  
Public Hearing on 09/02/2015**

Index: waiver..zone

	<b>widely</b> 29:5	12:9,13,
<hr/>		
<b>W</b>		
<hr/>		
<b>widely</b> 29:5		16,18,19
<b>widspread</b>		24:6
<b>waiver</b> 24:16	29:20	
<b>Walder's</b>	<b>wild</b> 33:16	<b>years</b> 16:13
31:19		17:9 19:16
<b>walked</b> 2:12	<b>wildlife</b>	27:18
<b>walking</b> 3:2	13:16,18,	28:19 29:3
<b>wall</b> 3:8	22 19:25	30:23
<b>walls</b> 13:25	20:16	32:10,19
21:15	21:17,20	33:23
<b>wanted</b> 7:12	28:2 33:19	35:6,11,16
11:17,20	34:13,18	<b>years'</b> 20:14
13:1,3,6,7	35:25	
16:2,9,22	<b>wondering</b>	<hr/>
17:22	17:11	<b>Z</b>
<b>warm</b> 35:9	<b>word</b> 7:21	<hr/>
<b>water</b> 14:10,	<b>words</b> 17:19	<b>zone</b> 33:9
12 15:20,	<b>work</b> 6:12	
24 16:7	7:4 12:11	
17:1 19:15	19:9 23:17	
26:17,23	27:14,19	
32:8,9,11,	36:7	
14 35:25	<b>worked</b> 24:24	
<b>Web</b> 2:21	<b>working</b>	
<b>Wednesday</b>	28:15,16	
36:18	35:21	
<b>weed</b> 29:24	<b>world</b> 8:7	
<b>week</b> 27:5	29:22	
<b>weird</b> 23:21	33:22	
<b>Wendy's</b> 35:8	<b>writing</b> 4:14	
<b>west</b> 9:25	5:7 36:19	
	<hr/>	
	<b>Y</b>	
	<hr/>	
	<b>year</b> 9:2,8	