

RESOLUTION COPPER PROJECT AND LAND  
EXCHANGE EIS PUBLIC MEETING

Held at:

Queen Valley Recreation Hall  
1478 East Queen Valley  
Queen Valley, Arizona

March 31, 2016

5:00 - 7:30 p.m. (MDT)

Comments taken by:

Alisa Smith, AZ CR 50712

1 MS. ROZELLE: So as I said at the  
2 beginning, we want to keep it informal. And so  
3 first we'd like to take questions, and then if you  
4 have comments, we could follow up with those, or if  
5 you want to slip into your comment, that's fine too.

6 But we've got two note-takers. Jill is  
7 going to take notes, and they're going to be  
8 projected up on the screen, so she's going to work  
9 at getting the questions for sure, because we want  
10 to make sure those get turned into the Web site  
11 eventually and add to the questions and answers that  
12 are there. She'll also take down the key issues  
13 that she's hearing.

14 Then we have Alisa over here who will  
15 be taking notes. And then if you want to make a  
16 formal comment tonight, the way to do that is to go  
17 into the kitchen area and visit with Charlotte who  
18 is our court reporter, and you can make a formal  
19 comment for the record tonight. There's all the  
20 ways there are to make comments as Mark said, but  
21 that's how we're going to sort of manage this  
22 tonight.

23 So with -- here's how I want to run the  
24 questions. I'm going to kind of take you section by  
25 section, and I would like about two or three folks

1 to come on up. A couple of seats up here I put the  
2 yellow paper on so you can sit down and wait. I  
3 just always like to have somebody on deck so we  
4 don't take time moving around too much.

5 If you aren't able to get up, just let  
6 us know, and Chris will bring the microphone to you,  
7 but we'd like to take your questions from the  
8 microphone.

9 So ask your question. Mark will either  
10 answer it or have the right person answer it. And  
11 I'll say, do you have a follow-up, and do that. And  
12 then we'll just go around the room until all the  
13 questions that people have asked for the first time  
14 get asked. If you have one and it's your second  
15 turn, that's fine too.

16 If you do want to slip into comments  
17 and make comments, let me know, because I would like  
18 for you to just keep it to about three minutes. And  
19 I've got a little sign here that says, you've got 30  
20 seconds left and you're done. Okay. So, again, I  
21 want to kind of keep it loose and informal.

22 We are going to go for 45 to 60 minutes  
23 on questions, but we can go longer if you want to.  
24 We do want -- I hope you will want to take some time  
25 to talk to some of the individuals around, the

1 specialists, and look at the boards and that sort of  
2 thing.

3 All right. So just the first half over  
4 here, does anybody have questions starting over  
5 here? All right. Yes, sir. Those -- you two and I  
6 need one more to come on up. Does one more person  
7 have a question over here? All right. If you don't  
8 mind, come on up here and have a seat. Have a seat,  
9 and one of you can just go first.

10 AUDIENCE MEMBER: First of all, I want  
11 to give you credit for a good presentation here in  
12 regards to giving us an overview of the project.

13 My name is Jim Craig. I have property  
14 at 1097 North Sherwood Way here in Queen Valley.  
15 And, obviously, Neil and the gang, you've got a big  
16 task in front of you and a lot of challenges.

17 I just wrote down a few of my concerns  
18 that I have here. It talked about block mining, and  
19 I thought there's other types of mining available to  
20 you.

21 Can we -- do we have the opportunity to  
22 say -- and block mining is most environmentally --  
23 has the most environmental impact on the property,  
24 and that's well known.

25 Is there another alternative to block

1 mining that we could throw to Resolution Copper and  
2 say, this is what we want you to do?

3           Granted, they have the right to do the  
4 block mining in that area, but also we have the  
5 right to look at it and say, we cannot accept the  
6 environmental impact and all the tailings that go  
7 into block mining because we're going to have a  
8 thousand foot hole in Superior, we're going to have  
9 4,000 acres dump just -- just east of Queen Valley,  
10 and the air and the water quality are going to be a  
11 major concern for us.

12           MS. ROZELLE: So your question in that  
13 is, are alternatives to block mining going to be  
14 studied?

15           AUDIENCE MEMBER: That's right. And  
16 the next question -- I got to throw it out there,  
17 Mark, because it was -- you know, you said we have  
18 to -- approval of the proposed --

19           MS. ROZELLE: Let me just do that one,  
20 and that will be -- you're going to follow-up.

21           MR. NELSON: Yeah, thanks. It's nice  
22 to meet you in person. We've spoken on the phone a  
23 time or two. Nice to meet you in person.

24           AUDIENCE MEMBER: By the way, you  
25 probably spoke with my brother. He's in the back

1 here, so --

2 MR. NELSON: You're Jim?

3 AUDIENCE MEMBER: Yes, I'm Jim, and  
4 John is in the back.

5 MR. NELSON: I spoke with John, yes.  
6 Excuse me. Nice. Thank you.

7 We will look at alternatives to block  
8 caving in the Environmental Impact Statement. The  
9 NEPA process requires us to look at alternatives  
10 even if they're beyond our regulatory authority to  
11 require, so we will look at alternatives to block  
12 caving.

13 However, based on the National Defense  
14 Authorization Act, the Oak Flat parcel will become  
15 private property 60 days after the final EIS is  
16 published. And at that time, the Forest Service  
17 will no longer have any regulatory jurisdiction for  
18 mining activities on that parcel.

19 So we'll look at alternatives and, you  
20 know, if we can identify an alternative that would  
21 work and that would have reasonable economics, it's  
22 possible that we can work through negotiations with  
23 Resolution to -- to try and get them to voluntarily  
24 implement that. But we won't have any regulatory --  
25 regulatory authority for the Oak Flat parcel at the

1 time mining would begin.

2 AUDIENCE MEMBER: Doesn't the NEPA  
3 purchase, though, require them to look at the most  
4 feasible mining process that would have the least  
5 economic or least environmental impact on the  
6 ground?

7 MR. NELSON: We will -- we will  
8 definitely look at that in the NEPA process, but  
9 remember that -- that one thing we talked about was  
10 that NEPA doesn't provide any authority in and of  
11 itself.

12 It's just law about -- about analysis  
13 and disclosure of the environmental effects of  
14 federal actions. And so the authority that we have  
15 to regulate mining activities only applies to Forest  
16 Service lands.

17 AUDIENCE MEMBER: Okay.

18 MS. ROZELLE: So, Jim, I know you had  
19 another question. I'm going to ask you if you will  
20 wait until we've gone all the way around again.

21 AUDIENCE MEMBER: Sure.

22 MS. ROZELLE: Thank you. Yes, sir.

23 AUDIENCE MEMBER: I know that my  
24 questions probably can't be answered at this meeting  
25 from the sounds of the way we started the meeting.

1                   My big question is, is what kind of  
2                   protections does the U.S. Forest Service give us in  
3                   Queen Valley on this proposed project?

4                   MS. ROZELLE:   What kinds of  
5                   protections?

6                   AUDIENCE MEMBER:   Yes.

7                   MS. ROZELLE:   Could you be a little  
8                   more specific?

9                   AUDIENCE MEMBER:   Environmental  
10                  protection.

11                  MS. ROZELLE:   Environmental  
12                  protections.

13                  MR. NELSON:   Not specifically related  
14                  to Queen Valley but an important aspect of -- of the  
15                  Forest Service Mining Regulations -- it's 228.8.  
16                  Our mining regs are 36 CFR 228.

17                  At 228.8 are the requirements for  
18                  environmental protection.   And one of the things  
19                  that that says is that mining operations must be  
20                  conducted in compliance with all other environmental  
21                  laws.

22                  And so, for example, they -- they would  
23                  have to comply with the Clean Air Act.   They would  
24                  have to comply with the Clean Water Act.   They would  
25                  have to comply with groundwater quality regulations,



1 which are state laws in Arizona.

2 So in order to be in compliance with  
3 the Forest Service mining regulations, they would  
4 have to comply with all those other environmental  
5 laws.

6 And so from an environmental  
7 perspective, there's really quite a large regulatory  
8 framework that we can apply to address things like  
9 dust blowing from the tailings, potential discharge  
10 of process water or other mining-affected waters  
11 from their proposed tailings facility.

12 AUDIENCE MEMBER: And so would that be  
13 after we find out during the process of mining, or  
14 is that something we can figure out before they  
15 start mining?

16 MR. NELSON: Our Environmental Impact  
17 Statement team, the 19 folks that Raul is leading,  
18 plus those folks on the ID teams, as well as our  
19 technical specialists on the SWCA team, we're going  
20 to work like crazy to assess those issues and try  
21 and make the best estimates, the best predictions  
22 that we can make in terms of, you know, likely  
23 environmental compliance of the mine.

24 But, you know, one thing that I  
25 certainly learned throughout my career and I think

1 that all of us are aware of is that you can't always  
2 predict everything.

3 And so there's several things that --  
4 that are done to address that. Commonly for large  
5 scale mines, there's very robust environmental  
6 monitoring.

7 There would -- there would need to be  
8 air quality monitoring stations that would actually  
9 measure dust in the air to -- to monitor whether or  
10 not they were complying with the Clean Air Act.

11 There would be likely dozens and dozens  
12 of groundwater monitoring wells that would be set up  
13 and sampled regularly to detect groundwater  
14 contamination if it occurred.

15 In any event that some unforeseen  
16 environmental issue like that arises during the  
17 course of a mining project on Forest Service lands,  
18 then Neil has the authority to require them to go  
19 back, modify their proposed -- modify their plan of  
20 operations, make additional proposals, and then we  
21 would go through the NEPA process again to identify  
22 what changes had to be made.

23 AUDIENCE MEMBER: Am I done?

24 MS. ROZELLE: Yeah. Thank you. Thank  
25 you. But you can get another turn.

1           So while you're coming forward, a  
2 couple more questions on this side. Yeah. Why  
3 don't you come on up and one more in the back.

4           Sir, come on up, and then we'll keep  
5 working on this side, and maybe we'll go to this  
6 side next.

7           AUDIENCE MEMBER: I'm Bob Mickthall  
8 (phonetic), and I just moved here in the last six  
9 months or so. I have a residence here in town now.

10           And being new, I was not necessarily  
11 aware of what NEPA was. I know what EPA is. I know  
12 EPA in Alaska shuts down proposed mines if they want  
13 to. It's a federal land. The Forest Service is a  
14 federal land. It's all owned by us.

15           And all of a sudden we're going out and  
16 hiring a contractor to do all the environmental  
17 impact study and the government has -- from what I  
18 understand, you've got 19 Forest Service people on  
19 this right here doing an environmental impact study.  
20 We're hiring an outside contractor to do all this  
21 environmental impact study.

22           Where does the Forest Service get all  
23 the money to pay for it? And at the same time,  
24 you're going, look at how much economic stuff we're  
25 going to be getting in the area. What's that have

1 to do with the Forest Service? What's your mission  
2 statement? Is your mission statement to provide  
3 everybody jobs in the area or to regulate a mine or  
4 to take care of the forest or the saguaros or the  
5 hedgehogs? Just a question.

6 MR. NELSON: So I heard two questions.  
7 Let me tackle the first one, and I'll let Neil  
8 tackle the second one.

9 The first one was, who's paying for all  
10 this. The National Defense Authorization Act for  
11 2015 is very clear in that Resolution Copper must  
12 pay for all costs associated with the Environmental  
13 Impact Statement.

14 So they're paying for all costs that --  
15 you know, associated with this meeting tonight.  
16 They're paying -- they will pay for all -- all  
17 experts we need to engage, regardless of what the  
18 Forest Service chooses.

19 And the way that process works is all  
20 Resolution gets to do is pay the bills. They don't  
21 supervise. They don't direct those contractors.  
22 They have no say in what we study or who we use, and  
23 those contractors are all directed by the Forest  
24 Service.

25 And I think Neil would be the best

1 person to address your question about the mission of  
2 the Forest Service.

3 MR. BOSWORTH: So, yeah. The  
4 mission -- I mean, so the answer to your question  
5 was, yes. You know, I don't know if you want more  
6 explanation than that, but, yeah, our mission is all  
7 those things.

8 It is to look at the economic viability  
9 of the communities that we serve. It's all about  
10 the -- I mean, it is a Forest Service. It's all  
11 about the communities we serve and the people we  
12 serve, so it is looking at hedgehog cactus. It is  
13 looking at trails to make sure people can recreate  
14 on the National Forest, which is a big deal in the  
15 Phoenix area. It is. It's looking at -- actually,  
16 it's looking at mines, too. That's part of our  
17 mission. That's part of -- it's multiple use.

18 We do timber sales. We do -- we allow  
19 grazing to occur on National Forest. We are a  
20 working forest is the answer to that, but the whole  
21 purpose of this is to provide these forests for the  
22 people that use them and for the nation as a whole.

23 Now, I don't know -- your question --  
24 you were talking about the mission, but I'm not sure  
25 if I'm capturing the essence of what you were

1 asking. Did I?

2 AUDIENCE MEMBER: I just didn't know if  
3 there was actually a mission statement for the  
4 Forest Service.

5 MR. BOSWORTH: I should have it  
6 memorized.

7 MS. ROZELLE: It's at the top of your  
8 Web site.

9 MR. BOSWORTH: This is what Tom does.  
10 He just shoves it in front of me on his phone.

11 The mission statement is to sustain the  
12 health, diversity, and productivity of the nation's  
13 forests and grasslands to meet the needs of present  
14 and future generations.

15 Now, don't tell my boss I couldn't  
16 memorize that.

17 MS. ROZELLE: Luckily, Tom had it on  
18 his phone.

19 All right. Thank you. Good. Thank  
20 you. Thank you.

21 Yes, sir, go ahead.

22 AUDIENCE MEMBER: My name is Mike  
23 Nigowski (phonetic), and I've got a twofold  
24 question. And, first of all, thank you for the  
25 introduction because it did answer a lot of things.

1                   But on the NEPA process itself, is it  
2 the Forest Service's responsibility to educate the  
3 public as you get more and more information from  
4 Resolution?

5                   Because we've got a lot of issues that  
6 we just talked about, and those issues will just  
7 continually be over and over until we get tired of  
8 hearing them, or are you going to educate as that  
9 comes and put out information so that we become a  
10 more informed audience when we come to these sort of  
11 things?

12                   MS. ROZELLE: You mean as the studies  
13 and the analysis is happening?

14                   AUDIENCE MEMBER: That's the first  
15 part.

16                   MS. ROZELLE: Okay. Mark.

17                   AUDIENCE MEMBER: Is that part of the  
18 NEPA process?

19                   MS. ROZELLE: Would you like to address  
20 that?

21                   MS. THOMAS: Can everybody hear me? I  
22 have a tendency to shout into microphones.

23                   So I'm the NEPA coordinator, and when  
24 they developed the National Environmental Policy  
25 Act, one of the things that was important was for

1 the public disclosure piece.

2 Now, that can be just us throwing  
3 information at you. I mean, that's definitely one  
4 way to interpret that.

5 The other half of the National  
6 Environmental Policy Act was for Neil to get enough  
7 information to understand the issues, to understand  
8 the consequences and the effects, in order to make  
9 that informed decision.

10 And Neil is not -- no offense, boss,  
11 but Neil is not a mining expert, so I anticipate  
12 that a lot of the information that is provided  
13 through this process will be very educational and  
14 informative.

15 And working with SWCA and working  
16 through this process and working with Neil, as I  
17 have on this forest for four years, he takes -- he  
18 is -- it's very important for him for that  
19 disclosure, that transparency, and also that  
20 understanding.

21 So when Mark says, if you have a  
22 question, call me, when Mark says, we're taking your  
23 input and we're taking these questions and we're  
24 creating this information about, you know, questions  
25 asked, common questions and whatnot, we are taking



1 that seriously.

2           The one piece that kind of will fall to  
3 you as the public is, are we getting it right? So  
4 if we're providing the information, is it in a  
5 format that is useable? Is the information  
6 understandable from where you come from?

7           And so we're going to think we get it  
8 right, but we're going to have no idea if we do  
9 unless you communicate.

10           So one of the things about NEPA is it  
11 is kind of the structured process, but the biggest  
12 element of NEPA is that until Neil signs on the  
13 solid line for that decision, we will continue to  
14 take input from you. It's more meaningful at  
15 certain times, but we'll continue to have those  
16 conversations.

17           And so that is not just the essence of  
18 the rule, but it's also something that I can tell  
19 you, working with Neil on other projects, that he  
20 takes very seriously. And I don't know if you just  
21 want to nod and say, yes, Anne's right, or if you  
22 want to say more.

23           And did I address your questions?

24           AUDIENCE MEMBER: Somewhat.

25           MS. ROZELLE: You had a second part to

1 it.

2 AUDIENCE MEMBER: And the second part  
3 of the question is the reason for the first part, is  
4 tailings stands or tailings facilities strikes fear  
5 in the hearts of anyone that pays attention to  
6 mining, especially given the recent history  
7 internationally of what's going on with tailings  
8 dams and breaches.

9 So with that given -- that was the  
10 reason for my question -- are we going to get  
11 information to the public? I know you're going to  
12 be assessing and asking those very questions. You  
13 have the specialists that look at it.

14 Are we going to know about what kind of  
15 slurry is going to those dams, and is it a wet dam,  
16 or are you going to require dry tailings? Are you  
17 going to dry tailings? Are we going to decamp and  
18 put dry tails up so it has less chance of being the  
19 600-kilometer spill that wipes out villages in  
20 Brazil and that sort of thing?

21 So to me that's the information that's  
22 good and they can put away some of the fears and  
23 some of the things that we hear in mining, so that  
24 was my question.

25 MR. NELSON: Yeah. Maybe I'll just

1 quickly address that one.

2           You're -- you're right on the money, I  
3 mean, with a lot of things we've thought about. We  
4 had several of our tailings experts here tonight,  
5 and, you know, what a disaster in Brazil.  
6 Unbelievable. Killed 19 people. What was that?  
7 Last November?

8           The year before there was a major  
9 tailings dam failure in Canada at Mount Polley. You  
10 don't have to go to Canada and Brazil. In the late  
11 '90s, there was a large tailings dam failure right  
12 on Tonto National Forest up in Pinto Creek.

13           And so we're going to be looking at  
14 that extremely closely, and as you mentioned, we'll  
15 be looking at other methods that could be used.  
16 And, you know, we look at it from the long-term  
17 outlook. 100 years from now, is that facility still  
18 going to be stable? And so those are really tough  
19 questions.

20           We're going to -- the standard approach  
21 in the NEPA process is we do public scoping. Then  
22 we study things, and then you do -- you release a  
23 draft, Environmental Impact Statement, and you allow  
24 the public to comment on the draft. And then you  
25 move forward and produce the final.

1           We're currently working on developing a  
2 plan that's going to provide for much more public  
3 involvement because we think it's important.

4           Throughout this year, we're really  
5 going to be focused on identifying issues. We'll --  
6 towards the end of this year, we will prepare issues  
7 reports that summarize and discuss the issues. And  
8 then the next phase of the process is to look at  
9 alternatives.

10           And so one thing that we're working on  
11 now is developing some plans to potentially hold  
12 some public workshops or other types of meetings  
13 where we can, you know, inform you of what we found  
14 and what we're thinking and -- and give you a chance  
15 to provide further input.

16           So we're really working towards public  
17 involvement throughout the process.

18           AUDIENCE MEMBER: Thank you.

19           MS. ROZELLE: Yeah. Neil has something  
20 to add.

21           MR. BOSWORTH: To get to the education  
22 of the public component of your question, the way I  
23 view it is it goes both ways. So, you know, we have  
24 experts. We have tailings experts. We have  
25 minerals experts. We will provide information to

1 you on that.

2                   The other piece, though, is we need to  
3 get information. We don't know everything. We  
4 don't know -- I mean, already we're getting -- we  
5 don't know what's important to the stakeholders  
6 regarding trails that they want, what's important  
7 for people regarding any other kind of value in the  
8 national forest.

9                   And so it really is -- the NEPA process  
10 kind of forces us in a good way to get into a  
11 collaborative environment with stakeholders, with  
12 partners, with interested public, whoever. And it  
13 goes both ways, the information flow.

14                   MS. ROZELLE: Thank you. All right.  
15 Yes, sir, and some questions on this side. Yes,  
16 sir, yes, sir. Yeah, we'll get there. Yeah. These  
17 two and you, and then we'll come back over.

18                   Go ahead.

19                   AUDIENCE MEMBER: My name is John  
20 Craig, and, you know, I've talked to you before,  
21 Mark.

22                   You mentioned that one of the things  
23 that the Forest Service does is make sure that all  
24 these mining operations are abiding by federal and  
25 state laws.

1                   There's a tailing impoundments  
2 specification. It's 2.5, 2.4 on liner  
3 specifications. Page 2-45 said tailing impoundments  
4 will be designed with a composite liner. In the  
5 Resolution's plan -- mining plan of operation, they  
6 specifically say that there is going to be no liner.  
7 So there's one -- just one instance where they're  
8 not going to go by the state laws on that.

9                   And you say that, well, let's not  
10 speculate. Well, when sulfides are mixed with  
11 oxygen and water, acid rock drainage occurs.  
12 That's -- that's not an opinion, so you can't say  
13 that we shouldn't speculate on that because it  
14 happens. It's happened every time that sulfides are  
15 mixed with oxygens and water, and water runs  
16 downhill.

17                   That tailing pile is going to be  
18 directly uphill from Queen Valley. We rely on  
19 between 1,000 and 1,500 gallons a minute coming  
20 through that dam to feed Queen Valley. It feeds our  
21 aquifers, it feeds our ponds, and everything else.

22                   If that gets polluted, it would be a  
23 disaster for Queen Valley, and I'm not talking about  
24 all the pipelines that could rupture or anything  
25 like that. I'm just strictly talking about the

1 tailing pile and its location and the design of it.

2           It's -- it's so much bigger than -- you  
3 know, you talked about the Brazilian tailing pile  
4 breach. This would be a much, much bigger tailing  
5 pile than what was in Brazil.

6           So those are my questions. And -- and  
7 I don't know how Resolution Copper can say  
8 definitively that they are not going to pollute the  
9 water -- the surface water and the ground water of  
10 Queen Valley.

11           MS. ROZELLE: I think that was  
12 specifically about the liner -- a question about the  
13 liner.

14           MR. NELSON: Yeah. I appreciate your  
15 comments. You know, those are valid points.

16           One thing to consider is that their  
17 proposed general plan of operations is just a -- is  
18 just a proposal. And that's what we start with in  
19 the NEPA analysis.

20           And, you know, your concerns related to  
21 potential for groundwater contamination and whether  
22 or not groundwater contamination can be prevented  
23 without a liner, that's a really good example of an  
24 issue that, you know, we can take from this meeting  
25 and then develop an approach to analyze those

1 questions in the EIS.

2           You know, we're going to do an  
3 independent and unbiased analysis. We're going to  
4 analyze these ourselves and not rely on what  
5 Resolution has proposed as adequate.

6           And although Neil's authority is  
7 limited in a lot of cases, he has -- he has plenty  
8 of authority to affect the design of that facility.  
9 It could be a totally different type of facility.  
10 It could be totally lined. It could be double  
11 lined. There's a lot of different alternatives.

12           It could be in a different location.  
13 For example, there's a proposed mine up in Montana  
14 called Mount Moore, which they submitted their  
15 proposed plan of operations in 2004. It was just --  
16 they just completed the NEPA process in January.

17           At that site, the Forest Service  
18 required the company to move the tailings to an  
19 entirely different location prior to approval of  
20 that plan of operation.

21           So, you know, keep in mind that they've  
22 just given us a proposal, and we're going to take a  
23 really hard look at that. And, ultimately,  
24 things -- things are likely to look very different  
25 than what has been proposed at this point.



1           AUDIENCE MEMBER: Right. And not just  
2 the possibility of pollution. The 12 square miles  
3 that it's covering, that's covering our watershed.  
4 That's where we get our water.

5           So lined or not lined, we're losing  
6 that, you see, and we lose that water. And one  
7 other point I would like to make --

8           MS. ROZELLE: Is this another question?

9           AUDIENCE MEMBER: This is another  
10 question.

11           I think that a public meeting may be --  
12 over towards San Tan where they're going to have  
13 that facility would be important because I think  
14 those people would like to know about that this is  
15 going to come down their way.

16           MR. NELSON: Okay.

17           MS. ROZELLE: Thank you.

18           MR. NELSON: I appreciate that.

19           MS. ROZELLE: Would you like the  
20 microphone to be --

21           AUDIENCE MEMBER: That would be great.

22           MS. ROZELLE: All right. Go ahead.

23           AUDIENCE MEMBER: I'm Dolores Benjamin  
24 from Queen Valley, and I have a question that may be  
25 answered in the information we have already. I

1 don't know.

2 But the 4,000 acres that is going to be  
3 used for the tailings facility, which is going to  
4 affect us the most, I think, is not part of the land  
5 deal that's been passed by congress, as I understand  
6 it.

7 How is the -- and why -- is the Forest  
8 Service providing this land for the mining company?

9 MR. NELSON: That's a great question,  
10 and, you know, that -- that goes back to the days of  
11 Ulysses S. Grant and the 1872 mining law which was  
12 passed 25 years before the Organic Act, 25 years  
13 before anyone ever thought of the Forest Service.

14 What were they called in those days?  
15 Forest Preserves? Forest Reserves? The -- that  
16 1872 mining law gave miners the right to go out on  
17 public lands and to locate mineral deposits and to  
18 mine them and to develop those -- those deposits  
19 into mines.

20 And when the Forest Reserves were first  
21 started in the very late 1800s, in our Organic Act,  
22 it provides for that continuing right of miners to  
23 use those lands.

24 And over the last century, the mining  
25 law has been amended in a lot of different ways and

1 modified and changed. But one of the things that  
2 remains is that those lands are open to these types  
3 of land uses associated with mining. And Neil does  
4 not have the regulatory jurisdiction to prohibit  
5 mining on those lands.

6 AUDIENCE MEMBER: That's not mining,  
7 though.

8 AUDIENCE MEMBER: That's not mining.  
9 I'm talking about just the facility for the  
10 tailings.

11 MR. NELSON: Right.

12 Those uses are what's called uses that  
13 are reasonably incident to --

14 MS. ROZELLE: That's the language in  
15 the --

16 MR. NELSON: -- extraction or  
17 processing of mining -- of reserves.

18 MS. ROZELLE: I think that Neil was  
19 going to add to your question.

20 MR. BOSWORTH: And you just expanded on  
21 the part. You were talking about mining. This is  
22 tailings. But they are associated and law and, you  
23 know, court rulings and everything shows that  
24 anything associated in practice with the mine is  
25 also considered part of that mine, and so we have to

1 allow it.

2           The other thing that, you know, Mark  
3 has mentioned a couple times is my authorities on  
4 mining. It's somewhat different than anything else.  
5 It's very unique.

6           When we do some kind of NEPA analysis,  
7 throughout my decision, I have no action alternative  
8 that says that, you know, I will choose not to do  
9 this, period. With mining, I really don't have  
10 that. That's like the one thing that I don't have,  
11 the alternative to say no.

12           I can just say, you're going to do it  
13 in a different way, and that's -- it's just  
14 different than anything else. You do a timber sale,  
15 I can actually say at the end of the day, no, we're  
16 not going to do it.

17           AUDIENCE MEMBER: This isn't really a  
18 question, but I'm going to throw this out anyway.

19           Have you considered an environmental  
20 part of earthquakes occurring in this kind of deep,  
21 deep mining and the way it's being handled like it's  
22 occurring right now in northern Oklahoma and  
23 southern Kansas because of the oil well fracking?

24           MS. ROZELLE: That's a comment, then, I  
25 guess.

1 MR. NELSON: Yeah, that's a great  
2 issue, and, no, I haven't thought about that, so I  
3 appreciate that. And we'll add that to our issues.

4 MS. ROZELLE: All right. Go ahead.

5 AUDIENCE MEMBER: Well, this prior  
6 gentleman just a moment ago actually covered quite a  
7 bit of what my concerns are. A lot of people in  
8 this room seem to be really concerned about the  
9 tailings.

10 My first question is you showed a slide  
11 earlier about the Benson Springs earlier. That  
12 seems to be a hydrostatically active area in a  
13 spring. Why would you -- why would that be chosen  
14 to put a tailings pond on, especially one that's  
15 unlined? That would seem like a highway to the  
16 aquifer for any sort of chemical to leak into it.

17 As a geologist, you would probably be  
18 best to discuss that or explain why that decision  
19 was made for Benson Springs.

20 MR. NELSON: I can't -- I can't explain  
21 why they made that decision because that -- you  
22 know, this is a proposal that Resolution developed  
23 and supported to the -- and provided to the Forest  
24 Service and requested that we approve. So I can't  
25 tell you why they proposed to build the tailings dam

1 right on Benson Spring.

2 It essentially -- their -- their  
3 tailing span would cover Benson Spring, but I can  
4 tell you as a geologist I had the exact same thought  
5 when I looked at those rocks out there and looked at  
6 the water movement in Benson Spring.

7 And, you know, that -- that's a really  
8 good observation that relates very much to the  
9 overall issue of, you know, what's the potential for  
10 that facility if constructed at that location to  
11 contaminate groundwater.

12 AUDIENCE MEMBER: One last quick thing,  
13 and then I'll leave you alone.

14 It was discussed the flotation process  
15 that separates the copper from essentially the  
16 tailings. I'm assuming that's not just straight  
17 water. I'm assuming there's some sort of chemical  
18 process that goes on.

19 MR. NELSON: Right.

20 AUDIENCE MEMBER: My question is, what  
21 are those chemicals? How much -- percentage of  
22 those chemicals will attach themselves to the  
23 tailings that will then get dumped on top of Benson  
24 Springs with no liner?

25 MR. NELSON: Yeah. They do add

1 different chemicals in the flotation process. I  
2 don't know the details to those questions, but  
3 that's something that we can definitely find an  
4 answer to, and we'll get that up on our Web site on  
5 the frequently asked questions.

6 AUDIENCE MEMBER: I think that would be  
7 greatly appreciated by everyone in this room.

8 MR. NELSON: Thank you.

9 MS. ROZELLE: All right. Good. Thank  
10 you.

11 Yes, sir. And then some questions from  
12 the back, so a couple people come on up. And  
13 there's some chairs up here. If some of you who  
14 have been standing would just like to sit down,  
15 please do.

16 Go ahead, sir.

17 AUDIENCE MEMBER: My name is Tim Stone.  
18 I'm a Queen Valley resident.

19 I was going to make a statement about  
20 snowball's chance and water is not the only thing  
21 that flows downhill, but I won't do that.

22 My question is kind of to the panel and  
23 probably Mark especially. How many mining proposals  
24 have you been subject to in your career?

25 You've hired outside consultants,

1 because I know this is all Forest Service. Have you  
2 ever come across any mining proposals of this  
3 magnitude, this size, and what percentage of mining  
4 proposals have been disallowed or modified?

5 MS. ROZELLE: Wait. You've got four  
6 questions there. Let's start with the first one.

7 So the first one is how many mining  
8 proposals has Mark worked on in his career. I think  
9 that was your first one?

10 AUDIENCE MEMBER: Yes.

11 MR. NELSON: Well, gosh. I've worked  
12 on probably 80 or 100 different mining projects over  
13 the years. Not all of them were proposed projects.  
14 I've worked on a lot of projects that were  
15 mining-related Superfund sites, mining cleanup  
16 projects.

17 I've probably worked on several dozen  
18 mining proposals. Some of the largest proposals are  
19 in copper mines. These -- these porphyry copper  
20 deposits are the largest type of metal mines that  
21 there are.

22 There's huge surface coalmines that are  
23 really the largest mines in the world, but if you  
24 look at metal mines, it's porphyry copper mines  
25 like -- like occur in Southeastern Arizona and



1 Southwestern New Mexico which are very large.

2 An example is a proposed copper flat  
3 mine in New Mexico, a proposed porphyry copper mine.  
4 One that I didn't -- I didn't personally work on,  
5 but Marty has worked on and the SWCA team and the  
6 Forest Service, of course, is Rosemont outside of  
7 Tucson, a very large proposed mine.

8 In terms of how many are -- are not  
9 approved, in my experience, the mines that are not  
10 successful in getting their permits don't really get  
11 to a point where government regulators just say no.

12 They kind of work so hard that they  
13 eventually tucker out, and they don't have any more  
14 money to continue investing in permits.

15 That copper flat mine in New Mexico is  
16 a great example. They opened initially in about  
17 1980, and they mined for about three months, and  
18 then they shut down, and they removed the processing  
19 facility.

20 And then they -- they had to shut down  
21 because of low copper prices. They removed the  
22 processing facility, reclaimed the mine in the '90s.  
23 A company called Alta Gold took another run at  
24 getting the permits.

25 Metal prices were high for a period.

1 Metal prices declined. They couldn't raise any more  
2 money. They got tuckered out. It didn't go  
3 through. And in the last five or six years, another  
4 company called TMAC Resources has been taking a run  
5 at trying to permit the deposit. I don't know if  
6 they will ever get it permitted or not.

7 So that's usually the way that  
8 unsuccessful mine permits go. Although, you know,  
9 there have been a handful of mines that do get  
10 turned down from time to time.

11 And, you know, one thing I've seen in  
12 my career is there's certainly mines that should  
13 have been turned down when you look at some of the  
14 Superfund sites. And so we're learning a lot as the  
15 decades go on.

16 And over the course of my career,  
17 environmental laws have become much more stringent,  
18 which I think is a good thing. And the NEPA process  
19 is getting -- is getting better and more  
20 comprehensive. And all we can do is the best we can  
21 to -- to try and do the right thing on these types  
22 of projects.

23 MS. ROZELLE: Why don't you just pick  
24 one follow-up question, and if you still have some,  
25 come back.

1                   AUDIENCE MEMBER: Perhaps you can just  
2 explain a little bit on the reasons that  
3 modifications have been made. Were they  
4 environment, or were they economic?

5                   We hear a lot about the number of jobs  
6 that will be ancillary or directly related to this  
7 mine. I've never seen a list of those jobs, and I  
8 would really like to.

9                   MR. NELSON: Yeah. Well, we -- the  
10 reasons that modifications are made is -- is to  
11 protect the environment. And specifically to -- as  
12 it's mentioned in our regulations, to protect  
13 surface resources of Forest Service lands.

14                   So that's -- that's the reason that  
15 modifications are made. And, you know, I would  
16 think it's extremely unlikely that any mine has been  
17 approved in recent decades that hasn't required some  
18 modification to the initial proposal.

19                   And that's going to be a big part of  
20 the work we do on the EIS is, you know, figure out  
21 what modifications may be necessary on this one.

22                   MS. ROZELLE: Thank you. Yes, sir.

23                   AUDIENCE MEMBER: I don't know whether  
24 this is a question or whatever. [indiscernible]  
25 expert on the tailings, you should be knowing what

1 kind of chemicals these companies use because all  
2 companies use the same type of chemicals in the  
3 flotation.

4 MR. NELSON: Right.

5 AUDIENCE MEMBER: Kennecott, ASARCO,  
6 they're all typical when you strike a copper -- you  
7 should know what kind, and I can tell you what kind.  
8 It's arsenic, lead, zinc.

9 And arsenic a long time -- I'm from  
10 Superior, Arizona. The last mine where the tailings  
11 was left there, we have 350 people who have died of  
12 cancer because -- related to the tailings.

13 People here in Queen Valley, wake up,  
14 because it's going to happen. These tailings, what  
15 you're saying here, when it dries, where do you  
16 think that dust is going to go?

17 It's not going to be damp all the time.  
18 No way you're going to have tailings that are damp  
19 all the time. When that section is dry, the dust is  
20 going to flow different directions. Even in the  
21 state park, it can go that far. It's only three  
22 miles. That wind blows all over in this area.

23 We have to -- we have -- you got to  
24 take a good look at this mine that we're trying to  
25 create. When I talked to the president of

1 Resolution, he said they were going to have three  
2 and a half million tons, three and a half million  
3 tons of contaminated waste. He didn't say  
4 contaminated waste, but it's going to be from the  
5 tailings.

6           They need to figure it out. If they're  
7 going to produce 1 billion tons, you can just  
8 imagine how much waste it's going to produce.

9           But what our concern is in Superior,  
10 and the next hearing is going to be, let these  
11 people here know that this tailings is going to seep  
12 through the ground, go into your water system.  
13 They've got water that does -- that has the  
14 contamination and has arsenic.

15           That's why people in Superior -- 200  
16 people in that -- I mean 200 homes. In that area  
17 alone, there's -- 80 people have died of cancer --  
18 fathers, brothers, sons, and all that.

19           You guys should take a good look at are  
20 we putting jobs ahead of lives? And that's what's  
21 going to happen in the future around here.

22           Resolution should be telling you what  
23 they're going to be doing. I've dealt with  
24 Resolution from 2005 when they first started. We  
25 had four different managers. Whenever they started

1 from 1,000 jobs to 3,700 jobs.

2 They buy out the politicians, you know,  
3 so they can get their way, and they give nothing to  
4 the schools in Superior.

5 But what they're saying is look at  
6 their -- what's happening before you approve  
7 something like that. And I'll be back. I'll be in  
8 Superior, give me more time over there.

9 But you people in Queen Valley, watch  
10 what you agree to.

11 MR. NELSON: Thank you very much.

12 AUDIENCE MEMBER: If you want, you can  
13 call me, and I'll tell you more stories on it.

14 MS. ROZELLE: All right.

15 Tom wanted to make a comment about  
16 something earlier.

17 MR. TORRES: Tom. Yeah. I just wanted  
18 to sort of -- there's been a couple of questions --  
19 maybe three questions that reference the liner, the  
20 lack of a liner.

21 And I just wanted to say -- as I was  
22 saying, the liner issue came up a couple of times,  
23 and I just wanted to address that a little more  
24 fully.

25 The liner as proposed in the plan of

1 operations is just that, the proposal based on  
2 assumptions. Now, we're taking that at face value,  
3 but during our due diligence, as part of developing  
4 the EIS, we will validate the assumptions made where  
5 they say they do not need a liner.

6 Part of our due diligence is evaluating  
7 the information that's going to be collected as part  
8 of the baseline hydrological and geotechnical  
9 testing.

10 So when they actually get out there and  
11 drill the holes, dig the trenches, we'll have a much  
12 better handle on the rock units, the soils, the  
13 depths, the connection to the springs, et cetera, so  
14 that project is directly related to the need for or  
15 the assumption of the liner and also the engineering  
16 aspects of the tailings itself.

17 So I just wanted to address that a  
18 little bit more fully.

19 MS. ROZELLE: Come on up. A couple  
20 more questions. Back over here. You got any more  
21 over here? Over here? Yes, sir. You will be on  
22 deck next, and one more anywhere? All right. Go  
23 ahead.

24 AUDIENCE MEMBER: Yeah. My name is  
25 Tony. I got a question here. Here it says that a

1 copper concentration concentrate filtration plant  
2 and concentrate layout facility will be constructed  
3 of an already disturbed part of the land near Magma  
4 Junction.

5 I'm from Superior. So these disturbed  
6 lands means that they've already had tailings down  
7 there, and they've already been contaminated,  
8 period. And I know where they're talking about.  
9 Magma runs across the property on the west --  
10 northwest side of Superior.

11 Now, you're redisturbing these lands,  
12 and the cancer rate is getting -- daily people are  
13 coming up with cancer. This is what has to be  
14 addressed because there's not just cancer.  
15 Breathing disorders. There's a lot of things.  
16 Babies -- you know, stillborns that I've heard of.

17 And just this type of contamination has  
18 got to be stopped. You just can't allow it.  
19 Because Superior is 68 percent Hispanic or whatever,  
20 you just can't allow anything to happen, you know,  
21 to the people and to the children's children and to  
22 the children that, you know, still need to be born,  
23 are going to be born. This is what I'm concerned  
24 about.

25 The other part -- one more question,



1 just the other part is about the jobs. Now,  
2 ASARCO -- Ray Mine, ASARCO, Hayden, the whole -- the  
3 whole kit and caboodle there, they've got 1,400  
4 people working for them.

5 They've been destroying the land since  
6 1892. 1,400 people. 1,200 are hourly; 200 are  
7 salary. Now, Resolution is saying that they've got  
8 3,800 jobs. Where are they going to -- and this is  
9 a bigger operation than Resolution can -- will be  
10 according to this project alone. It can't be as big  
11 as ASARCO, but it will be, and it will do the  
12 destruction.

13 Even right now with the pollution and  
14 the contaminants they're putting into the air,  
15 they're redisturbing the grounds in Superior.

16 Thank you. My question is if you can  
17 do something about it.

18 MS. ROZELLE: Thank you. Yes, sir.

19 AUDIENCE MEMBER: My name is Larry  
20 Fromm. I'm a resident -- winter resident over in  
21 the Arizonian RV park on U.S. 60.

22 I ride an ATV-type vehicle,  
23 side-by-side unit. This tailing pile will be put  
24 right on top of some very choice trails out there.  
25 But that doesn't concern me near as much as the idea

1 that a huge tailing pile represents an  
2 environmental -- potential environmental  
3 hazard/disaster.

4           It occurred to me that the ideal  
5 properties -- and I don't claim to know all of  
6 them -- but certainly the ideal properties of a  
7 tailing pile would be somewhere where it isn't going  
8 to expand, burst a dam; and it isn't going to leech  
9 into the groundwater that people are going to drink;  
10 and it wouldn't have winds blowing all around it to  
11 blow the dust around and distribute it. In other  
12 words, a big hole in the ground that's really  
13 secure.

14           Can anybody think of a big hole in the  
15 ground around here? Well, there must be some pretty  
16 big hole in the ground like the Ray Mine out there.  
17 There must be some spots in that Ray Mine that  
18 negotiation could produce a favorable outcome.

19           By the way, one of the properties I  
20 didn't mention was the idea that it's away from  
21 urban areas.

22           So my question now, with that preface,  
23 has any thought been given to sites such as a hole  
24 in the ground out here?

25           MS. ROZELLE: Mark.

1                   MR. NELSON: You know, one of our --  
2 one of our goals in public scoping, along with  
3 identifying issues, is, you know, getting ideas for  
4 alternatives. And what you brought up is a great  
5 idea for an alternative that -- that we should be  
6 looking at with respect to tailings -- tailings  
7 disposal.

8                   You know, my understanding is that at  
9 one point Resolution was looking at putting tailings  
10 in the Pinto Valley Pit near Globe. But after BHP  
11 sold that property, that -- that they moved away  
12 from that option.

13                   So we have thought a little bit of that  
14 option, but -- but, you know, that's something that  
15 as we move forward and start developing alternatives  
16 that address the key issues and meet the purpose of  
17 the action, you know, that's a -- that's a great  
18 example of an idea for an alternative.

19                   So, you know, thanks for mentioning  
20 that, and we'll make sure we note it and, you know,  
21 work more in the future to -- to investigate that.

22                   AUDIENCE MEMBER: I have a second  
23 issue.

24                   The -- the groundwater itself, both  
25 quality and quantity, are an issue. Now, the

1 Arizonian is I think probably about four miles north  
2 of the junction, with Florence Junction, I should  
3 say. And Queen Creek runs right across 60 probably  
4 about three miles away from us.

5 Our well over there is 800 feet deep,  
6 but not only quality of water but quantity of water  
7 could very well become an issue all around the area.

8 Some of the information contained here  
9 indicated there would be 30 more wells drilled along  
10 this corridor to carry the concentrate to a shipping  
11 site or dewatering/shipping site.

12 So my question is, in addition to water  
13 quality, is some thought being given to water  
14 quantity? And another companion question is, now  
15 that the well -- the shafts have been sunk down to  
16 7,500 feet and they're dewatering at 7,500 feet,  
17 will Queen Creek actually flow again ever?

18 MR. NELSON: Those are great issues  
19 that we're going to have to study.

20 AUDIENCE MEMBER: I bet a dollar to a  
21 doughnut that our water supply is dependent on the  
22 aquifer that's recharged by Queen Creek.

23 And I think the people in -- I'm  
24 sorry -- Queen Valley people have a real concern  
25 about their water supply too, not only quality but

1 quantity.

2 MR. NELSON: Right.

3 AUDIENCE MEMBER: So if you haven't had  
4 that on the issue or burner for consideration, I  
5 certainly think it would deserve to be there.

6 MR. NELSON: Absolutely. Absolutely.  
7 Those are very valid concerns. Thank you.

8 MS. ROZELLE: Thank you. Yes, sir.

9 So anyone else with a question, come on  
10 up. You and straight back and over here and over  
11 here. Yeah, we'll get to you. I've got two more.  
12 Go ahead.

13 AUDIENCE MEMBER: I'm just going to add  
14 to the last.

15 AUDIENCE MEMBER: [inaudible] --  
16 comment or question. He stated it as more of a  
17 comment, but he had a couple of questions that  
18 didn't -- that have not appeared on the question  
19 list.

20 Did you get those?

21 He had health concerns about disturbing  
22 the ground.

23 MR. NELSON: Disturbing the previously  
24 contaminated areas near Superior. Yeah, that's  
25 good.

1 MS. ROZELLE: Thank you. Thank you.

2 And luckily we've also got Alisa over here taking  
3 notes, too, so thank you, though. Yes, sir.

4 AUDIENCE MEMBER: Just for the last  
5 comment about groundwater, groundwater is a -- you  
6 know, it's a declining resource. It's not only the  
7 amount of groundwater that's going to be required to  
8 process 50 million pounds of copper, but what about  
9 the groundwater that's going to be required to  
10 support the -- the influx of workers and the support  
11 mechanism that's going to be needed for the mine  
12 itself?

13 So in other words, if you've got 3,800  
14 employees and each employee is now, you know, three  
15 or four individuals in that home, and supporting  
16 multiples of -- of service individuals for each of  
17 them, you're now talking about groundwater required  
18 for maybe a community of 30,000 people.

19 So it's not only the amount of water  
20 that's going to be used for the -- you know, that is  
21 going to be taken out of the aquifer for the 30  
22 wells that they want to drill, but supporting all  
23 the additional people that are going to move into  
24 this community.

25 MR. NELSON: That's a great -- that's a

1 great comment, and that's something I hadn't thought  
2 about. That's what we call indirect effects; right?  
3 Right, Anne? That's a good comment. We'll get that  
4 noted.

5 AUDIENCE MEMBER: One quick comment.

6 MS. ROZELLE: Well, I would rather get  
7 these two. Please just stay there, and we will --  
8 yes, sir. You had a question.

9 AUDIENCE MEMBER: I'm Roy Chavez. I'm  
10 a lifelong resident of Superior, former mayor,  
11 chairperson for Concerned Citizens and Retired  
12 Miners Association.

13 On that water issue, the other loss  
14 will be evaporation. In the time spent at the mine,  
15 our calculations are up at over half a billion  
16 gallons of water would be lost completely.

17 But my -- my question is in reference  
18 to the legislation that's being proposed at this  
19 time as we speak in regards to the Hoover Bill and  
20 the Bernie Sanders Bill.

21 If we're successful with that, what  
22 will that then mean to this process in determining  
23 that the bill that was violently passed in the  
24 method it was, getting turned around?

25 MR. BOSWORTH: So it depends. That's

1 the answer on that.

2 If that were to pass, then we would  
3 have a new law. With that, the devil's in the  
4 details. What's that law look like, you know?

5 I mean, as you know, Roy, the law we're  
6 working under has a ton of details that are  
7 complicated and difficult to implement.

8 And so if there was a complete repeal  
9 of it, then that would be -- that would be  
10 something -- you know, we'll implement whatever law  
11 is currently on the table.

12 And so right now I know that that's out  
13 there and that -- and there's lots of support for  
14 that, but right now we do have law that's been  
15 signed by the president that we are required by law  
16 to implement, and that's what we're going to do.

17 MS. ROZELLE: Yes, sir.

18 AUDIENCE MEMBER: Yeah. My name is  
19 Joe. I live here in Queen Valley, but I also used  
20 to work over for cementation on their construction  
21 part. And also on their truck.

22 Now, when I was working on cementation,  
23 before -- like about before they got all the way  
24 down to the bottom, like let's say about the last  
25 400 foot or so, they hit a lot of water.



1           And when I say a lot of water, they had  
2 actual cement trucks filled with grout -- not  
3 concrete, grout -- to try to fill up the holes to  
4 stop the water, and they couldn't do it. I mean, it  
5 was like a river down there.

6           So why can't you get some kind of a  
7 chemical to put into it, drill a hole -- they have  
8 all kinds of holes out there -- and inject it and  
9 find out where that water actually goes.

10           If it does come down here to Queen  
11 Valley and if it does show that it's coming to Queen  
12 Valley, that means then whatever is going on over at  
13 that mine, eventually when it collapses, then you  
14 have all of that sulfuric acid and everything that's  
15 in it, it's eventually going to make its way over  
16 here.

17           You can find out ahead of time instead  
18 of waiting to the end. You can also do the same  
19 thing around your holes that you're drilling over  
20 here -- inject them and find out.

21           MR. NELSON: Joe, that's a really  
22 interesting idea. That's what hydrogeologists call  
23 tracer tests. And, you know, a lot of what they're  
24 looking for -- looking at for studying in the Oak  
25 Flat area is fracture flow aquifers.

1           So it's not like a sand where it's  
2 porous media, but it's discrete fractures and water  
3 flowing through discrete fractures, and it's very  
4 difficult to study fracture flow aquifer systems.

5           And one of the tolls that  
6 hydrogeologists use are tracer tests, and they will  
7 inject either a fluorescent dye or sometimes a salt,  
8 and then you can -- you can see if -- that's exactly  
9 what you're saying. See if that turns up and study  
10 how that moves.

11           And so right now we're at the issues  
12 phase, and the next phase, once we -- once we  
13 identify these issues, we're going to have to figure  
14 out how to -- how to solve -- how to study the  
15 issues, how to come up with the answers we need.  
16 And so that's a great suggestion that we'll have to  
17 think about.

18           AUDIENCE MEMBER: Every time they'd  
19 pour it, it was a 20 foot pour, and you would drop  
20 it and go down 20 foot.

21           When we hit the water over there, you  
22 couldn't do it, and they tried to stop it for  
23 months, and they couldn't do it.

24           So they have to go back and pour -- I  
25 think it was either 4 or 5 foot at a time because

1 there was no way you could stop it. They actually  
2 had to go back and just pour the whole bottom solid  
3 and then continue again.

4 MR. NELSON: Yeah.

5 AUDIENCE MEMBER: So, you know, you got  
6 a big 'ole river down there that you're going to be  
7 hitting. The water is moving constant.

8 MR. NELSON: With water moving through  
9 this fracture flow system.

10 AUDIENCE MEMBER: And it's moving very,  
11 very fast. If it moves that fast, I'm sure you  
12 could put a tracer, like you said, on it, and you  
13 could probably find out in about a week if it's  
14 going to come down here or not.

15 MR. NELSON: That's interesting. Thank  
16 you.

17 MS. ROZELLE: Thank you. Thank you.  
18 Before the final comment here, any other questions?

19 All right. Yes, ma'am. Come on in.  
20 You can go and give your comments to Charlotte at  
21 any time if you want to. We're getting towards the  
22 end, I think, but go right ahead.

23 AUDIENCE MEMBER: Okay. Is anybody  
24 familiar with the Eisenhower protected area at Oak  
25 Flat? Why is that not still in effect and protect

1 that from this mining venture?

2 MR. BOSWORTH: So the withdrawal, so  
3 when we talk about a mining withdrawal, it -- we  
4 actually have a lot of variance withdrawal from  
5 mining, that you cannot mine, you know, so a mining  
6 company can pick a lot of places on initial plans,  
7 as Mark had mentioned earlier, and just say -- based  
8 on the mining law, say, hey, we're going to build a  
9 mine here. Okay. Go nuts.

10 There are -- we have withdrawn areas  
11 and a lot of them are on sacred areas. A lot of  
12 them are on our recreation sites. Oak Flat is a  
13 good example of that. It was withdrawn -- I don't  
14 know how many years ago. Several years ago.  
15 Seventy years ago. And so it was administratively  
16 withdrawn.

17 They -- the act that was passed  
18 recently will change that. It will -- it makes that  
19 withdrawal area no longer a withdrawn area. It  
20 treats it -- but I guess it's no longer withdrawn.  
21 It's available to be mined. That's what the act  
22 does.

23 So did I answer that question?

24 MS. ROZELLE: I think so. Thank you.  
25 Thank you.

1                   So did you have a question?

2                   AUDIENCE MEMBER: Okay.

3                   She said for me to interpret this  
4 portion. She said her name is Gladys Hemplen  
5 (phonetic), and she's a member of the San Carlos  
6 Apache tribe, and she's an elder, and she said she's  
7 quite concerned about the water aquifer at Oak Flat.  
8 She's concerned about the water that will  
9 contaminate the aquan (phonetic) that is used for  
10 traditional purposes, that the aquan sought there  
11 will be contaminated, and they will no longer be  
12 able to use it for the ceremonies that they have.

13                   She said that for this portion she  
14 would like to say that she -- when she was a little  
15 girl, she had a coming of age puberty right  
16 ceremony, and those ceremonies are continued to be  
17 held there at Oak Flat.

18                   And if there is a big block cave mining  
19 that will be set there, there will be a subsidence,  
20 and that will ultimately destroy their cultural  
21 property that is sacred to her and the way she was  
22 taught all her life.

23                   And she said for her final comment she  
24 would like to remind everyone that the Apaches  
25 roamed all over the state of Arizona and New Mexico

1 until they were all removed from that area.

2 But that's the ancestral Apache land,  
3 and that there are burial sites there. And that in  
4 a way, the Apache believe that once the deceased are  
5 buried, that they are supposed to remain there, and  
6 they are not to be bothered or touched in any way.

7 If they are tampered with, the spirits  
8 will come back and haunt those who are tampering  
9 with it, and she would like for you to show respect  
10 for them.

11 Thank you.

12 MS. ROZELLE: Thank you. Yes, sir.

13 AUDIENCE MEMBER: I just had a couple  
14 quick questions. I'm Roger Featherstone. I'm  
15 director of the Arizona Mine Reform Coalition.

16 I want to focus a little bit on the  
17 longevity of water problems that this would create.  
18 I know, Mark, you and I have talked a little bit  
19 about the cone of depression that would be caused by  
20 the drawdown of the continued dewatering of the Oak  
21 Flat area. And I'm wondering if you have any  
22 indications yet as to the span of time it would take  
23 for that equilibrium to come back. Are we talking  
24 half a millennia? You know, what are we talking  
25 there?

1                   And then along those lines, at the  
2 tailings facility, the model is based right now on  
3 catch dams, catch basins basically at the tall of  
4 the tailings dam.

5                   And those would -- would presumably  
6 collect the water, pump it back up. And, again,  
7 what's the time span there? A couple hundred years  
8 of what -- and what kind of -- of potential do we  
9 have as owners of the land to make sure that we're  
10 not going to be responsible to clean up after them  
11 once they're long gone?

12                   MR. NELSON: Yeah. Those are great  
13 questions.

14                   You know, the first question relates to  
15 the underground mine. The mine is going to be very  
16 deep, 5- to 7,000 feet deep. And when they dewater  
17 that underground mine, they're going to create  
18 what's called a cone of depression.

19                   Here's the surface, and here's the  
20 5,000 feet. You have a cone of depression that's  
21 dewatered and dry.

22                   And after mining stops and they stop  
23 dewatering, that cone of depression is going to  
24 slowly dissipate, and the groundwater table will go  
25 back to some eventual equilibrium level.

1           And those are -- those are really tough  
2 questions that absolutely need to be addressed in  
3 the EIS and that we don't have time to -- or we  
4 don't have the knowledge to try to address now. But  
5 we're going to have to find answers.

6           The other related to seepage from the  
7 tailings, how long would that last? It's another  
8 great issue and, you know, we'll get those issues  
9 noted and try and figure that out in the coming  
10 years.

11           MS. ROZELLE: Okay. Thank you.

12           AUDIENCE MEMBER: Mine is really easy.  
13 We got a couple people here from Superior.

14           I took the mine tour, and at the mine  
15 tour, I asked specifically where Superior gets their  
16 water. Do they get it from the water wells around  
17 Superior? No.

18           Even though supposedly it's not  
19 contaminated, all Superior's drinking water comes  
20 from Arizona Power. Not SRP but the other Arizona  
21 Water & Power. Not from the wells around Superior.

22           And the Superior gentleman can probably  
23 attest to that, but I just thought that was kind of  
24 curious, yeah, the wells aren't contaminated, but  
25 they're not using them.



1 MS. ROZELLE: Okay. All right.

2 AUDIENCE MEMBER: Our drinking water  
3 comes -- just across the road comes from -- there's  
4 pumps along the railroad tracks, the same rail that  
5 had the pipeline that's taking and dewatering into  
6 the Queen Creek area. There's an indigent pipeline  
7 running through there that pumps water into the town  
8 of Superior.

9 MS. ROZELLE: Okay.

10 AUDIENCE MEMBER: And it's dispensed by  
11 Arizona Water Company.

12 MS. ROZELLE: Thanks, Roy. All right.  
13 Thank you.

14 Yes.

15 AUDIENCE MEMBER: I just got another  
16 quick question for you. Since the land exchange has  
17 gone through, the Oak Flat area has been put on the  
18 National Historic Registry.

19 Now, how is that going to change this  
20 process?

21 MS. ROZELLE: Is that Mark or Neil?

22 MR. BOSWORTH: So the purpose of that  
23 is to raise awareness of the cultural sensitivity,  
24 the cultural importance of an area. That's why we  
25 worked with the National Park Service to get it on

1 that.

2           The answer to that is that we'll -- as  
3 part of the analysis and part of the requirements  
4 that I feel are, you know, the legal and ethical  
5 requirements that we have for consultation with  
6 tribes that kind of gives us a basis to kind of work  
7 off of, that we know that this is a traditional  
8 cultural property, what it is, but it doesn't  
9 necessarily alter a project.

10           That finding -- that registry notice  
11 does not have any kind of legal binding to this  
12 project, so the project can still go forward. In  
13 fact, you know, it pretty much says that you can  
14 even destroy a project.

15           What it does is it helps give us a  
16 starting point working with a tribe or several  
17 tribes to talk about why this is a traditional --  
18 why this is a traditional cultural property and why  
19 it is important to them.

20           AUDIENCE MEMBER: It's all lip service.

21           MS. ROZELLE: All right. So please  
22 stay and visit with any of the folks around the  
23 room, the resource folks around the room, the Forest  
24 Service.

25           If you would like to make a formal

1 comment for the record, you can see Charlotte in  
2 here, and there's other ways to comment. I think  
3 you probably got a comment form.

4 Thank you very much, and we will be in  
5 Superior Monday night, Globe Tuesday, and Gilbert  
6 Wednesday.

7 (Concluded at 7:30 p.m.)

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