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U.S. ARMY CORPS OF ENGINEERS
PUBLIC SCOPING MEETING
NANUSHUK PROJECT
ENVIRONMENTAL IMPACT STATEMENT (EIS)

Location: Unupiat Heritage Center
5421 North Star Street
Barrow, Alaska
Date: March 22, 2016
Time: 5:00 - 7:00 p.m.

P R O C E E D I N G S

1
2 JOY HUNTINGTON: It's 5:30. So I wanted to first
3 ask kind of a housekeeping, logistical question. Please raise
4 your hand or let us know if you feel like you need a
5 translator for this evening. We want to thank Martha
6 Stackhouse for being available to come assist us this evening.
7 We want to make sure everyone gets the most out of the
8 meeting, and so if you do -- if you would like translation of
9 what we present this evening, please raise your hand and let
10 us know.

11 Otherwise, we're going to probably not have Martha
12 translate, and then we'll have -- and if that's the case, then
13 we'll have more time for your input, as well, at the end.
14 Every --

15 GORDON BROWER: Just keep the option there in case
16 the elders come in.

17 JOY HUNTINGTON: Okay.

18 UNIDENTIFIED AUDIENCE MEMBER: Yeah.

19 JOY HUNTINGTON: Yeah, so Gordon asked if we'll just
20 keep the option open. Please don't leave. So she's stuck
21 here with us whether she likes it or not. So thank you,
22 again, Martha. And with everyone being comfortable with that,
23 we're going to go ahead and just get started. And we will
24 have Martha translate as needed if elders do show up. So
25 thank you for that.

1 First, I just wanted to say thank you for joining us
2 this evening. You are a very important part of the -- of this
3 process and you're going to hear a lot more about what this
4 EIS, the environmental impact statement for the Nanushuk
5 development project is about this evening. You have members
6 here from DOWL, from the Army Corps of Engineers, and as well
7 as representatives from Armstrong. So there will be people
8 here to talk to you more about the project.

9 I am your facilitator this evening. So my name is
10 Joy Huntington and I've been hired by DOWL to facilitate the
11 community meetings for the EIS. DOWL is the third-party
12 contractor hired by the Army Corps of Engineers to conduct the
13 environmental impact statement. So you'll hear more about
14 people's specific roles.

15 I own a consulting business in Fairbanks and so I do
16 community meetings around Nome, around Kotzebue, as well as in
17 the Fairbanks area. I've had the business for about four
18 years now. And right now, it's named, Huntington Consulting,
19 but I'm changing it to Uqaqti Consulting. So Uqaqti is my
20 Inupiaq name. It was given to me by two members of the
21 Northwest Arctic Borough Assembly, Vern Cleveland and Clyde
22 Ramoth, because I talk a lot, so as you will learn and see for
23 yourself over the next hour-and-a-half.

24 So I'm very, very happy about my name and it was an
25 honor to be given that. So very thankful to have you here.

1 And we have a lot of information to share with you.

2 And I also wanted to just let you know that because
3 of the full flights over the next few days, most of the people
4 that you see tonight, are leaving at 8:00, and so we're going
5 to try to end right at 7:00, if that's okay. I know you want
6 to spend the entire evening with us, but it is beautiful
7 outside and you probably will not hate us if we end up ending
8 right on time. So with that being said, I just -- I may
9 remind us, again, as we move through the meeting. And we'll
10 do our best to really be concise as well.

11 And so I first -- as we get started, I want to bring
12 up the folks from DOWL and the Army Corps of Engineers and
13 just let you know who we are. You know, whenever -- I grew up
14 15 years in villages around the Interior and it's exciting
15 when people come to the village that you don't know and Barrow
16 is a pretty bustling place. But it's still nice to just, at
17 least, get a chance to introduce ourselves, so you know the
18 new folks that are here.

19 So I've already introduced myself. This is
20 Maryellen Tuttell. She's a deputy project manager with DOWL.
21 So happy to have her here. Leyla Arsan is in the back and
22 Emily Creely. They're both with DOWL.

23 And with the Army Corps of Engineers, we have
24 Mr. Dave Hobbie who is the regulatory division program
25 manager. And we also have Mike Salyer who is the north branch

1 manager. And Ryan Winn will be presenting this evening with
2 the -- who is the north section manager.

3 So with that being said, these are the folks. And
4 Patrick Conway is here with Armstrong, and he has a team of
5 people here representing Armstrong, who is the applicant in
6 this EIS. And he will introduce his crew later.

7 And, sorry, Marci Lynch, who is very important.
8 She's always hiding, so I always forget to introduce her.
9 She's very important. She's our transcriptionist. And so one
10 of the most important factors of this EIS is that all of your
11 comments and input is recorded.

12 And so we're going to be taking notes during that
13 part of the meeting as well as the recording will be very
14 important, and Marci is going to be trying to record
15 everything as well. So we will bug you to have a microphone
16 later during the input-and-comment section, because it is much
17 easier for her to record the audio using a microphone. So
18 during that time, we will ask that you use a microphone and
19 state your name so that we can get it all recorded, because
20 it's really important that that be available for, you know, as
21 the EIS moves forward.

22 So with that being said, we're going to go ahead and
23 get started. I'm going to hand the microphone over to Dave
24 Hobbie. He is here to give some welcome remarks for the Army
25 Corps of Engineers. Thank you.

1 DAVID HOBBIE: Thank you, Joy. Good evening,
2 everybody. Thank you for being here. My name is David
3 Hobbie, and I'm sorry, I can't hardly stand still, so I'll
4 probably walk a lot.

5 I am the division chief for the regulatory program
6 for the Alaska district. What that means to you all is for
7 permitting, with regards to Army Corps of Engineers, all the
8 decisions are at my level or below. So with regula -- with
9 regards to regulatory matters for the Corps, I speak on behalf
10 of the Corps. That's why I'm here.

11 You know, as we started going down this process,
12 working this permit action for Respol/Armstrong, you know,
13 it's very important to me that we understand what the
14 communities want or the concerns are with these types of
15 projects. That is why I'm here this evening.

16 Joy had mentioned that this is really just the start
17 of the process for this project. This is the scoping -- the
18 time of the scoping for the project. There will be numerous
19 points along the way for you all to offer comments and
20 concerns, questions. So even though we're here tonight,
21 there's many other opportunities, so please don't think this
22 is your only opportunity to comment.

23 But as you're well aware, this is -- this project is
24 for some oil and gas extraction. It will cover -- it is just
25 east of the Colville River. It will have -- comprise of about

1 five pads and about 25 miles of road, approximately, 300 acres
2 of impact to waters of the United States, basically wetlands,
3 which is what we regulate.

4 We have two defined authorities under the Corps,
5 Section 404 of the Clean Water Act, and Section 10, Rivers and
6 Harbors Act. Those are the two primary authorities we work
7 under. And in this case, again, they are going to be
8 impacting a large number of acres of wetlands. That is how we
9 come -- that's how it falls under our regulatory jurisdiction.

10 We want to make sure, again, that your all comments
11 are heard, because as we go through the NEPA process, which
12 you'll hear much more about in a minute from Mr. Ryan Winn,
13 the lead project manager on this -- actually, the lead project
14 manager is sick. She had a bad case of the flu, so Ryan kind
15 of got the torch handed to him right now.

16 But we do want to make sure that you're all heard
17 and that we understand your concerns, because as we go through
18 this process, it's very important to us that we're able to
19 address your concerns, whatever those may be. And, again,
20 Mr. Winn will be talking about the different issues we look at
21 and what we all want to hear from you folks.

22 So please take this opportunity, because as we start
23 down this road in the scoping process, this really allows us
24 the opportunity to hear what you've all go to say, so as we go
25 into actually starting the EIS process, the environmental

1 impact statement process, we kind of know what to focus on,
2 you know, so we're not kind of hanging a hard right turn when
3 you really want us to turn left. So your comments are very
4 important to us.

5 We had the same meeting in Nuiqsut last night.
6 Heard a lot of good comments and feedback from them. Hoping
7 the same thing happens here. Because, again, these projects
8 do impact your all way of life, sometimes positive, sometimes
9 not. So we want to make sure that we take all that into
10 consideration.

11 Again, this is going to be a very tedious process
12 for us from the permitting side of it. And you'll hear a lot
13 more about that from Mr. Winn here in a few minutes.

14 But, really, I just want to say welcome. Thank you
15 all for being here, especially on a beautiful day. I don't
16 know about you, but sitting in a meeting room is probably not
17 where you want to be. I know it's not where I want to be at
18 times when we have days like this, so, again, thank you for
19 your time and consideration this evening. Thank you very
20 much. Mr. Winn?

21 RYAN WINN: Thanks, Dave. I'm Ryan. Thanks for
22 being here and welcome to the scoping meeting for the Nanushuk
23 project. Today's meeting is really twofold. One, to provide
24 information on the NEPA process, the EIS process that we're
25 going through. And, two, to take in public comment. Not only

1 will it be transcribed tonight, everything that's said, but
2 also to provide you with all the avenues that you can provide
3 comments throughout this multi-year process for this
4 environmental impact statement.

5 (Discussion regarding working the projector)

6 RYAN WINN: So as I said, we have multiple avenues
7 for you to provide comments through this process. You can
8 comment in person in tonight's meeting, which will all be
9 transcribed. You can submit a comment form. We do have
10 prepaid comment forms that you can submit and you can either
11 hand them to us tonight, take them home with you and mail them
12 in. And you can provide comments directly to the website that
13 was established for this project as you can see on the screen.
14 And you can mail comments directly to the Corps of Engineers.

15 Ms. Janet Post is the lead project manager for this
16 project. But as Dave said, she's sick, so I'm filling in for
17 her.

18 So the Corps of Engineers received an application
19 for this project in June of 2015. The reason why an
20 application was submitted to us, as Dave mentioned, we have
21 regulatory jurisdiction over discharge of fill material in
22 waters of the United States, as well as work and activities in
23 navigable waters in the United States. This project includes
24 discharge of fill material in 288 acres of wetlands, which are
25 waters of the United States, as well as dredging at the

1 Oliktok dock, which would be a Section 10 and 404 permit
2 required for that.

3 And I believe the rivers that are being crossed may
4 be navigable waters. I'm not sure about that. I believe they
5 are, so Section 10 permits are required for those crossings,
6 as well.

7 Under the National Environmental Policy Act, lead
8 federal agencies, if it's a federal agency that's a project
9 proponent, say that proposes to construct something, has to go
10 through the National Environmental Policy Act, which,
11 basically, an act which is designed to both require that these
12 federal agencies analyze environmental and social impacts, as
13 well as discloses those impacts to the affected public.

14 The Corps of Engineers is not a proponent of this
15 project, nor an opponent. What we are is a permitting agency.
16 Since there is not a lead federal proponent agency, we are the
17 lead federal agency for this project under NEPA.

18 The Corps of Engineers analyzed this project and we
19 determined that there may be significant impacts to the human
20 and natural environment. Because of that, we determined to do
21 the highest level of NEPA analysis that's afforded under that
22 act, and that is an environmental impact statement,
23 hereinafter, referred to just EIS.

24 As I just mentioned, the Corps of Engineers is going
25 to be the lead federal agency under the NEPA process for the

1 development of this document. And we've invited several
2 cooperating agencies to assist us in development of this
3 document. That includes the Native Village of Nuiqsut, the
4 North Slope Borough, U.S. Fish and Wildlife Service, EPA, and
5 the National -- or the DNR. As far as I know, at this time,
6 everyone has agreed, on this list, to be cooperating agencies
7 with the exception of the Native Village of Nuiqsut at this
8 time.

9 GORDON BROWER: I've got a question.

10 RYAN WINN: Yes, sir.

11 GORDON BROWER: Is there another level of invitees
12 like participating agency or are those synonymous with each
13 other? Cooperating versus participating?

14 RYAN WINN: You can be a commenting agency, even if
15 you're not a cooperating agency. A cooperating agency is kind
16 of a special designation where we determine you have -- you
17 know, significant and unique, special expertise, and you co --
18 and you -- and we actually sign an MOU with those agencies as
19 we develop this document, what the roles and responsibilities
20 are. So you're really taking on responsibilities in that
21 participation.

22 A commenting agency has opportunities afforded to
23 them to comment at any time throughout this EIS process. As
24 we previously mentioned -- okay, so DOWL, they're also writing
25 down any questions tonight. So DOWL is the third-party

1 contractor that's been hired to assist in the preparation, all
2 the logistics and the analysis for the preparation of this
3 document. The Corps will oversee that preparation. Yes, sir?

4 UNIDENTIFIED AUDIENCE MEMBER: Ryan, has the borough
5 (indiscernible - away from microphone)?

6 RYAN WINN: We have not. As far as I know, the
7 borough has agreed to become a cooperating agency, but this
8 time, we have not had our first cooperating agency meeting.
9 We're very early in the process right now and we will be
10 developing an MOU. We have a draft already that we'll be
11 sharing with the agencies and discussing the contents of that
12 MOU for their significant. Sir?

13 UNIDENTIFIED AUDIENCE MEMBER: I just have a
14 question on, you know, the applicant. I did see Repsol up
15 there, and I heard a little bit ago, Repsol/Armstrong.

16 RYAN WINN: Yeah. I'm going to have the applicant
17 answer that question for you, but I'll give you a very concise
18 answer at this time. The application that we received is from
19 Repsol. Since then, there's been a change in responsibility
20 to Armstrong. When I introduce Repsol to describe the --
21 excuse me, Armstrong to describe the project, they'll explain
22 that to you further. But, yeah, that's very confusing, and I
23 understand, and we'll certainly address that tonight.

24 So the steps in the EIS process, this really -- this
25 diagram is really meant to just show you where we are at in

1 this process. It's a multi-faceted process. Right now, we're
2 right in the beginning. On February 4th, 2015, we published a
3 notice of intent in the federal register, which basically just
4 puts everyone on notice that, hey, we intend to prepare an
5 EIS. We did that in the federal register. We also did local
6 public notices.

7 So right now, we've begun our public scoping
8 process, which, really, formally started with the NOI, but we
9 had our first public meeting last night. This is the second
10 one.

11 So, really, the purpose of the scoping is to
12 identify key -- there's always going to be generic factors
13 that are considered in the EIS process. But scoping is really
14 intended to reach out to people who are directly affected by a
15 project who might have special expertise to help the lead
16 federal agency, in this case, being the Corps, identify what
17 key issues are really important that we need to make sure we
18 focus our analysis on.

19 So that's what we're doing now is accepting any
20 comments. Where should we really be focusing our effort? And
21 from that, we're also soliciting impact on potential
22 alternatives, potential ways to avoid and minimize impacts.
23 And we're going to take all that information and we're going
24 to use that in the development of this draft -- the draft EIS,
25 which is, you know, quite a ways out, at this point. We're at

1 the very beginning.

2 And after the draft EIS is published, there will be
3 another co -- another opportunity to receive public comments
4 and then there will also be another opportunity after the
5 final EIS.

6 As I mentioned before about generic things that are
7 typically examples, that are typically analyzed in our EIS,
8 it's really three things: You know, the physical environment,
9 the biological environment, and the human environment, the
10 social impacts.

11 These are typical examples of physical stressors
12 that we'll be looking at in the EIS, that will be studied in
13 the EIS: Impacts to water quality, air quality, permafrost.
14 These are pretty standard, but we want -- what we want to hear
15 from you is if there's something else, there's something
16 unique that we really need to focus on. That's really the
17 purpose of public scoping.

18 Again, these are examples of biological resources
19 that will be analyzed in the EIS. You know, wetlands,
20 obviously, the Corps of Engineers, their big focus is going to
21 be impacts on aquatic resources, as well as wildlife,
22 vegetation, et cetera.

23 Typical examples of social impacts we'll be looking
24 at -- a project like this, there will be impacts to
25 subsistence. Obviously, that's a big one. We understand

1 that. Impacts -- noise impacts and traditional land use in
2 the area that might be altered by the project, aesthetics, et
3 cetera.

4 So as I previously mentioned, the public's role in
5 this EIS process is really to help the Corps determine where
6 we need to focus our efforts. How is the project going to
7 affect the communities that are directly impacted by this
8 project? Because, really, the people who live near and are
9 directly affected are, from our perspective, subject matter
10 experts that can provide useful information to us on how the
11 proposed project may impact you and where we need to focus our
12 efforts in the studies, where we need more information to be
13 analyzed, where there's data gaps that need to be focused on,
14 if there needs to be additional studies because something is
15 missing, information is not known, because the Corps of
16 Engineers needs this information to make decisions, right. So
17 what information is needed for the Corps to make reasonable
18 and balanced decisions? And that could include different
19 alternatives that need to be considered or different ways to
20 avoid and minimize impact.

21 GORDON BROWER: I got a question.

22 RYAN WINN: Sir?

23 GORDON BROWER: As we're going through this, are you
24 going to be talking about any aspects of Corps requirements
25 like compensatory mitigation or any of that stuff?

1 RYAN WINN: I think the mic -- was it not on? We
2 just want to make sure the comments are collected and the --

3 GORDON BROWER: Do you want me to repeat it?

4 RYAN WINN: No, I'll go ahead and repeat it for you.
5 The gentleman asked whether or not Corps requirements are
6 going to be addressed in the NEPA documents, such as
7 compensatory mitigation requirements. Was that your question?

8 GORDON BROWER: Yeah. Because I think there's some
9 concerns throughout the land about that the compensatory
10 mitigation offsets are either oversold or it's hard to --

11 RYAN WINN: Yeah.

12 GORDON BROWER: -- do that portion of it.

13 RYAN WINN: Right. So our NEPA document -- so the
14 requirements under NEPA is not specific to the Corps'
15 requirements for avoidance minimization and compensatory
16 mitigation under the EPA's 404(b)(1) guidelines, for example.

17 However, since it -- this is a Corps-led document,
18 they will be integrated, so, you know, our analysis of this
19 project under the 404(b)(1) guidelines requires the Corps to
20 ensure that all measures of avoidance have been addressed and
21 considered, all measures of minimization have been addressed
22 and considered, and whether or not compensatory mitigation is
23 both available, is both practicable and appropriate. So, yes,
24 that will be included in our analysis.

25 GORDON BROWER: Oh, just follow-up on (indiscernible

1 - away from microphone). Yeah, I think it's important when
2 you're talking about compensatory mitigation or offsets of
3 things like that, to hear about concerns from communities.

4 Because I've heard, in lieu of doing compensatory
5 mitigation, that you can be more creative because of that
6 program struggling. And things like repairing areas that
7 could benefit in the wetlands, and I think some of our
8 communities could benefit from some of these types of creative
9 compensatory mitigation programs. And we have a -- probably a
10 little laundry list of things that we could suggest.

11 RYAN WINN: Yeah. Yeah, that's exactly what public
12 scoping is about. That's exactly the type of information we
13 want to hear from the public. You know, the Corps especially,
14 as somebody is from Anchorage, what we really want to hear is
15 opportunities, right. So we want to hear both, you know,
16 information relative to the anticipated functional losses
17 associated with the proposed development. The goal of the
18 mitigational rule is to commensurately offset those losses,
19 those functional losses, and ecological service losses
20 associated with the development that we're authorizing.

21 And a big struggle that we have, especially on the
22 North Slope, is identifying opportunities for those offsets,
23 right. So that's something where local knowledge is very
24 useful; hey, these are some mitigation projects that you
25 should be considering to offset these impacts. So, yes, sir.

1 GORDON BROWER: Thank you. (Indiscernible - away
2 from microphone).

3 RYAN WINN: We need the mic back over here. There's
4 some love going on, so we'll get by -- right back on it.

5 GORDON BROWER: Just one last one and I'll shut up.

6 RYAN WINN: No, don't shut up.

7 JOY HUNTINGTON: Might as well just keep it.

8 GORDON BROWER: You said they're important because
9 it's local knowledge on some of these. But here is an
10 example, and see if this is something that you would look for.
11 And I think for a project like this, 25 miles of roads, lot of
12 acreage of land, that you'd be looking for a substantial
13 offset in some -- to do some of this stuff. There's a trail
14 here in our town; it's been there maybe 40 years. Goes about
15 20 miles up that way and it's heavily scarred, under damage
16 from local use. Can that be a candidate for an offset to
17 benefit a community to better that through some mechanism to
18 make it a real trail instead of a tundra-scarred --

19 RYAN WINN: Yeah.

20 GORDON BROWER: -- thing our there?

21 RYAN WINN: Right. Well, ideally, under the
22 mitigational rule, we're trying to offset the functional
23 losses associated with, you know, our permits and for it to be
24 commensurate. So, ideally, we'd be looking at like restoring
25 aquatic resources as opposed to just like a trail improvement,

1 which may be mitigation from a recreational aspect, but we'd
2 really be looking at maybe restoring that scarred tundra into
3 higher-functioning tundra. And our order of priority, of
4 course, when we're looking at practicability of mitigation,
5 would be in-kind mitigation. And so we would be looking at
6 offsets in the same watershed as the authorized impacts, and
7 focusing our efforts on similar aquatic resources of the same
8 type.

9 But if -- you know, if there's no opportunities,
10 then you start broadening your search. So, by all means,
11 that's sort of input for potential opportunities as things
12 that are examples of what we need to hear.

13 GORDON BROWER: (Indiscernible - away from
14 microphone).

15 RYAN WINN: Well, I would encourage you to focus any
16 sort of potential mitigation projects that it should be
17 focused on, you know, either creating, restoring, or enhancing
18 aquatic resources. Because that's really the goal of our
19 mitigation program.

20 DAVID HOBBIE: If you don't mind. Actually, sir,
21 what I would say -- a couple things. One, we're open to any
22 ideas, because we don't know what's really going to be
23 available. But, number two, if you came in and said, hey,
24 look, if we harden this trail, if we make this trail better,
25 what it's going to do is prevent other trails from popping up,

1 so it's going to prevent damage from other areas. That
2 probably makes it a little bit more palatable for us, because
3 now we're avoiding other impacts to other areas.

4 GORDON BROWER: Yes, that's what I (indiscernible -
5 away from microphone).

6 DAVID HOBBIE: Okay. So part of it is, the way we
7 tell the story, the way we explain it -- and, again, Mr. Winn
8 is right. We're going to be looking at areas we can restore
9 first, you know, or enhance first. But if those areas don't
10 exist anymore, then, right, we broaden our scope of what we're
11 going to look at and accept. So all suggestions are welcome.

12 RYAN WINN: Thanks, Dave. That's a perfect example
13 and I'm glad you brought that up, because I have been involved
14 in mitigation projects that weren't directly working on the
15 resources, but working on secondary impacts. So I worked on
16 projects where it's actually road improvements to prevent
17 sediment from running off into aquatic resources, right, so
18 that's a good example.

19 So if I'm improving a road, it prevents other roads
20 from coming in or prevents secondary impacts adjacent to
21 those -- you know, to aquatic resources, then that's
22 absolutely a good candidate, something to let us know. So
23 thank you.

24 UNIDENTIFIED AUDIENCE MEMBER: Yeah, on the same
25 subject, and then I'll let you move on, we're all aware that

1 the compensatory mitigation banks for the North Slope area are
2 out of credits right now, and so it makes it very difficult
3 for projects to move forward to meet their 404 requirements.

4 DAVID HOBBIE: Okay. Let me be clear. Those banks
5 are not out of credits. They've chosen not to sell any
6 additional credits, because they don't know if they can
7 fulfill their commitment. Because the banks that are
8 currently existing in the State of Alaska are either in-lieu
9 fee banks or certainly preservation banks.

10 In-lieu fee programs, what they do is they sell a
11 certain amount of advanced credits we've given them, but then
12 they must go out and do something on the ground to become
13 whole. Okay. Right now, they've sold enough credits and they
14 have a three-year time limit to do that. And right now, they
15 sold enough credits, they're concerned they might not be able
16 to put the stuff on the ground they've already committed to.

17 So they're not out of credits. They've chosen not
18 to sell anymore, currently. Okay. And when we talk about --
19 when this young man here talked about kind of us expanding our
20 aperture on how we look at mitigation, that is one of the
21 reasons is, because, again, the concept behind the mitigation
22 rule is to replace lost functions and values. That is why
23 we're really looking at restoration enhancements first.

24 And, again, if we can possibly avoid other impacts
25 by improving a trail system to try to prevent four-wheelers,

1 snowmachines, vehicles, whatever, kind of possibly damaging
2 other tundra areas, that may be something we look at. That's
3 kind of like barding of our aperture.

4 The only reason I want to be clear is I keep getting
5 questioned about why we told those mitigation bankers they
6 can't sell any credits. We haven't told them not to. They
7 made a business decision not to, because these are for --
8 these companies, they do get a fee to do this. So -- and if
9 they don't fulfill their commitments, well, then, we're
10 probably not going to be real happy with that, right. So
11 they've chosen not to sell any additional credits. It's not
12 that we told them to stop or they're out.

13 UNIDENTIFIED AUDIENCE MEMBER: Well, I mean, the
14 reason I bring that up is because, for whatever reason, it's
15 difficult to participate with that program. So there's --
16 we're looking at alternative programs that may be able to be
17 developed like a homegrown mitigation banking program,
18 something that's North Slope Borough based by North Slope
19 Borough landowners as a possible alternative.

20 And several other ideas Gordon brought up under
21 damage repair from old trail damage and subsistence use over
22 the years, is another thing. There's a half-a-dozen or a
23 dozen other ideas. And I don't know if this is the right
24 venue to approach the Corps with all of these ideas or if we
25 should do that as another discussion time to look at what are

1 all -- are the alternatives.

2 And did you hear in Nuiqsut last night, the idea
3 about maybe land leasing instead of setting aside land for
4 perpetuity as an option? Since these projects do have a
5 finite nature, that in 20 years, they're supposed to remediate
6 and put the land back to pristine condition, at which time, a
7 land lease could be ended, and the landowner wouldn't have to
8 give up ownership for perpetuity.

9 And that perpetuity language makes it tough to
10 monitor forever, as well, where a land-leasing option is
11 something that may have some attractiveness to it. So I don't
12 know if -- it's such a broad topic and so necessary. I don't
13 know if this EIS discussion is going to be the right vehicle
14 to hear all those possibilities.

15 DAVID HOBBIE: I've worked a lot of mitigation over
16 the past year. I've been back in Alaska for a little over a
17 year now. But when I say back, I've been here -- this is my
18 third time here. And I'm here to stay, so whether you -- if
19 that's good for you, that's awesome; if it's not, sorry.

20 But the thing with mitigation is, the mitigation
21 rule, into perpetuity is really not option for us. That's the
22 way the rule was written. But it's not about ownership,
23 really. It's about protecting land from future development.
24 That is kind of the challenge.

25 But, again, there's for every problem -- one of the

1 reasons we get paid is try to have solutions. So I would say
2 that the real time to have a discussion -- I have a young
3 lady, which her name is Sheila Newman, that handles all the
4 mitigation within the State of Alaska for the Corps. That is
5 the person to have this discussion with to kind of get the
6 ball rolling.

7 But within the realm of this project, compensatory
8 mitigation, there's going to be a discussion. So it's always
9 a good time to talk about it, kind of working out all the bugs
10 of that, so to speak. There's probably going to be, right, a
11 much a different conversation with all the right people in the
12 room.

13 And understand, when we do mitigation, it's not just
14 the Corps. We involve all the other state and federal
15 agencies, so they kind of all get a -- some input, too. It's
16 not just the Corps saying yes or no, here's how we're going to
17 go about it. So I just want to bring that up, because it is a
18 very collaborative approach, but on the other hand, it is a
19 challenge. I mean, it is complex. It's not a simple, hey, I
20 just want to do this; is this good? So I totally understand
21 that.

22 But -- so maybe afterwards or in a minute, you and I
23 can maybe discuss this offline and kind of come up with maybe
24 a plan to have a meeting to discuss this in more of a bigger
25 venue.

1 JOY HUNTINGTON: Ryan, I'm just going to interrupt
2 you for one second. I just wanted to recognize that we had a
3 community leader join us. So the mayor of the city of Barrow,
4 Bob Harcharek is here, so very privileged to have him in our
5 audience today, and thank you for coming. So just wanted to
6 recognize that he had joined us.

7 RYAN WINN: Excellent. Thanks for coming, sir.

8 BOB HARCHAREK: You're welcome.

9 RYAN WINN: And, yes, thanks. That is a very big
10 subject, so it's certainly applicable to this project. But
11 really the scoping for this project should be focused on this
12 project. That's a big subject and the chief of the special
13 actions branch, Ms. Sheila Newman, is the perfect person to
14 talk to about that. And I will just add that while we're
15 bound by the commensurate mitigation rule, you know, we can
16 only do what's practicable, right.

17 So if something is not practicable, like, say you
18 have a mitigation site that it's impossible to have any sort
19 of landownership of, then even though you -- we don't just
20 throw up our arms and do nothing. You should try and do the
21 best you can, right.

22 So, you know, the concept of in perpetuity is a
23 challenge and I appreciate that comment. And, yeah, it's a
24 serious issue and we have serious challenges, especially on
25 the North Slope with issues like perpetuity. So, you know, I

1 don't think -- I think we have the flexibility and the option
2 in our program to try and meet the mitigation rule to the best
3 that we possibly can, but not be completely bound by it. Does
4 that make sense?

5 GORDON BROWER: Well, it does, but we also have
6 development needs, so --

7 RYAN WINN: Yeah.

8 GORDON BROWER: -- having nothing isn't a bad option
9 right now.

10 RYAN WINN: Right. I got you. Thanks for your
11 comment. Oh, I just want to mention here that these are our
12 public scoping meetings. Like I said, we did Nuiqsut last
13 night. We're doing Barrow tonight. We're also doing public
14 scoping meetings in Anchorage and Fairbanks. And the end of
15 the formal scoping period is ending in May, but I would
16 implore you, if you have any comments, you're welcome to
17 submit them to the Corps at any time throughout this EIS
18 process. But try and get it in. If you have formal scoping
19 comments, try and get them in as soon as possible, because we
20 are in the time now where we're developing the plan of action
21 for writing and preparing this EIS. So now is the time.

22 At this time, I'll turn it over to the applicant to
23 discuss their proposed development. This is Patrick Conway
24 with Armstrong.

25 PATRICK CONWAY: Thanks, Ryan. As Ryan mentioned,

1 my name is Patrick Conway. I work for Armstrong Oil & Gas.
2 And I said the -- they informed you the first thing I was
3 going to do was address the relationship between Repsol and
4 Armstrong. For those of you who know me, you've seen me here
5 a couple of times over the last few years, and we've been
6 talking about a development project and -- for about two
7 years.

8 We submitted an application to the Corps of
9 Engineers back in June. During most of that time, it was
10 Repsol, as the operator and the applicant for the project.
11 And over the last several months, we've been involved in a
12 transition from Repsol to Armstrong. So all along, the
13 companies have been working together. They're going to
14 continue to work together.

15 But moving forward on the project, Armstrong is
16 going to be the operator of the leases on the North Slope and
17 the applicant for all of the development project permits.
18 Does that help?

19 UNIDENTIFIED AUDIENCE MEMBER: Oh, yeah.

20 PATRICK CONWAY: Okay. Thanks. So with me today,
21 anyway, are several of my colleagues, and I think I lost Nate.
22 Is he still in here?

23 UNIDENTIFIED AUDIENCE MEMBER: Nate went outside.

24 PATRICK CONWAY: Okay. So Cindy Bailey, some of you
25 know, is also with the project and with Armstrong Oil & Gas.

1 And Ed Teng is our project manager for Armstrong Oil & Gas.

2 One other thing I wanted to mention, as long as I
3 have the platform here, is that the environmental impact
4 statement and the Corps of Engineers permitting process is one
5 of many permitting processes that we need to go through.
6 Recognize that we have other federal, state, North Slope
7 Borough, as well as landowner approvals that we need in order
8 to move the project forward. So as we talk about this
9 tonight, this is really just one component of getting the
10 project approved for development.

11 PATRICK CONWAY: Closed again. This happened to me
12 last night, too.

13 MARYELLEN TUTTELL: You have a heavy hand.

14 PATRICK CONWAY: Is that what it is? Okay. So this
15 is -- we're just going to kind of -- over the next couple of
16 slides, we're going to zoom in a little bit to the project
17 area. I want to make sure everybody is familiar with the
18 region that we're talking about here. What you'll see is most
19 of the oil fields on the North Slope extending on the
20 right-hand side of the screen, Point Thomson, all the way to
21 the left-hand side, and you'll see the Alpine development and
22 the community of Nuiqsut.

23 Is -- let's see if this will work. Right over here,
24 this is Prudhoe Bay. This is the Kuparuk field. And some of
25 the newer developments for those of you familiar, this would

1 be Nuna and Oogurik and Nikaitchuq are up there. What we're
2 proposing to do here is circled in green on this slide.

3 Okay. Just getting a little bit closer, this is a
4 little bit of a busy slide, but it gives a lot of information
5 for those of you familiar with things like the units.

6 WASKA WILLIAMS: Can we focus?

7 PATRICK CONWAY: I'm sorry?

8 WASKA WILLIAMS: Can we focus a little bit
9 (indiscernible).

10 PATRICK CONWAY: Can we focus? I'm not sure if we
11 can.

12 WASKA WILLIAMS: (Indiscernible - away from
13 microphone).

14 PATRICK CONWAY: We did that on purpose, Waska. We
15 thought it would help you. All right, there we go.

16 WASKA WILLIAMS: Don't have to throw my glasses
17 away.

18 PATRICK CONWAY: Again, so I'm going to come back
19 here with you so I can see it. So the -- again, the community
20 of Nuiqsut is here. Alpine is here in the Colville River
21 unit. What we see here in this shaded color, as well as up
22 here, are leases that are controlled by Armstrong and Repsol.
23 The -- there is a unit here with the State of Alaska called
24 the Pikka unit or Pikka unit. And that is where the
25 development is being proposed.

1 Okay. Just another slide. Again, getting a little
2 bit closer for those of you familiar with the geography, just
3 want to point out the purple shading here, this is Kuukpik
4 Corporation surface. Everything here outside of that is State
5 of Alaska land. The cross-hatch here represents North Slope
6 Borough land, also up here. And, of course, where there is
7 Kuukpik's surface, there's ASRC subsurface shared with the
8 State of Alaska.

9 And what I was going to do here is go into the next
10 slide. The next slide is more of a cartoon. It shows
11 basically the same information. Waska has a question. Who's
12 got the microphone?

13 WASKA WILLIAMS: Yeah, before you go to the next
14 one, I do see the, you know, Corps maps over here, and then we
15 have, looks like maybe Armstrong's map. Just wondering, you
16 know, the difference between this one and the proposed project
17 maps over there. You know, we -- I do see alternative A, B,
18 or C on this wall over here with the maps. And what -- is
19 this Armstrong's map that -- no alternatives and it's just
20 what you had to do on this one?

21 PATRICK CONWAY: Right, that's a good question. So
22 prior to submitting the permit application, like I said, we've
23 sort of discussed the project for quite some time. And when
24 we put our application together, what we did was, we talked to
25 a lot of people and tried to identify what we thought would be

1 the best project to -- the project that we think we can build,
2 but also satisfy some of the concerns that we've heard over
3 the years.

4 In doing that, we looked at several different
5 alternatives for how we -- they're -- most of them are sort of
6 access alternatives, how we could approach the project area
7 and access the subsurface targets that we have. So what
8 you'll see on the poster over there, the one that is second
9 one from the right that has four figures on it, those are the
10 alternatives that we looked at. And it's submitted with our
11 permit application. As part of the EIS process, the Corps of
12 Engineers will develop their own alternatives and look at
13 those as well. So they'll consider what we sent them, but
14 they're responsible for developing their own set of
15 alternatives and reviewing those.

16 The other two figures that you'll see over there are
17 exact -- they should be exactly the same as the one here on
18 the screen. Okay.

19 RYAN WINN: Yeah, so basically this right here is
20 the preferred alternative at this point. We just started the
21 EIS development process, but this is what is proposed by the
22 applicant at this time.

23 PATRICK CONWAY: Okay. So going onto the next
24 slide, it's going to be a little bit more of a cartoon; it
25 helps sort of illustrate. But a couple of things I wanted to

1 point out here are, what you see here in blue represents
2 pipeline infrastructure. And this -- for those of you
3 familiar with the region, this is Central Process Facility 2
4 in the Kuparuk field, CPF2; it's labeled on the figure. And
5 then this is a drill site called 2M in Kuparuk. And then
6 everything that is red and blue represents gravel road
7 infrastructure that we're proposing to install.

8 Okay. So we, also, on this figure, before I go, are
9 showing Native allotments here in orange and a piece of
10 private land up here at the mouth of the Colville River. Any
11 questions about this slide?

12 UNIDENTIFIED AUDIENCE MEMBER: How close were you to
13 the Colville River at the closest point?

14 PATRICK CONWAY: It's a half -- every one of these
15 sites is at least a half mile away. This one is about -- the
16 question was, how close are we to the Colville River at the
17 closest point. And then the answer is a half mile, and that's
18 at this point right here.

19 GORDON BROWER: I got a question and we don't need
20 the mic anymore (indiscernible - away from microphone).

21 PATRICK CONWAY: I can repeat your question.

22 GORDON BROWER: Okay. You got the Alpine sales line
23 going all the way to the Colville River. That's a sales line.
24 It's been processed and it's crude oil ready to be refined;
25 goes to the Trans-Alaska Pipeline (indiscernible). Are you

1 proposing that line that says, pad with a CPF up there, Drill
2 Site 1, CPF in the purple --

3 PATRICK CONWAY: Up here?

4 GORDON BROWER: -- and right next to it is the
5 OCCASION, and then coming down to 2M, is that a sales-quality
6 line or is that a three-phase line?

7 PATRICK CONWAY: The question that Gordon is asking,
8 Gordon Brower is asking is hard to describe without have --
9 looking at it, Marci, but we're looking at the figure here and
10 asking about proposed infrastructure and whether or not that
11 is a sales-quality line. And the answer to the question is
12 yes. The -- what I will be describing on the next slide is
13 how we intend to build the infrastructure, and how we intend
14 to extract the oil, process the oil, and then bring it to a
15 point of sale.

16 GORDON BROWER: Can I just add just a little tiny
17 observation?

18 PATRICK CONWAY: It would be better if you had the
19 microphone.

20 GORDON BROWER: It seems like there's -- you got a
21 short distance from Drill Site 3 or whatever that one is at
22 the far southern portion. Only about five miles or less to
23 the sales quality line where you could plug in sales quality
24 line instead of building another, oh, what, about a 14-mile
25 line -- sales-quality line. I mean, isn't that a -- to

1 minimize this type of pipeline infrastructure where there's
2 known large-scale movement of caribou? Just an observation.

3 PATRICK CONWAY: Yeah, thank you for your question.
4 And we did -- we did actually -- if you look over at the
5 figures that are in the corner there, we did take a look at
6 that and there would -- so in order to do that, what we saw
7 here was a need to have a processing point further to the
8 south. There is, in all likelihood, going to be a need for
9 more gravel infrastructure in order to accomplish that than
10 what we're proposing.

11 And so while we didn't believe that this would be
12 the least environmentally-damaging alternative, it is
13 definitely something that the Corps is going to take a look at
14 themselves, and they'll consider that in the process.

15 VERA WILLIAMS: I'd like to ask a question.

16 PATRICK CONWAY: Yes. If you would -- if we
17 could -- maybe we'll just do this question and then if it
18 would be okay, I'll describe the project so everybody else
19 here that does -- that isn't familiar with it, can get a basic
20 understanding. It's a short description. They could get a
21 basic understanding of the project, and then I'll take some
22 more questions.

23 VERA WILLIAMS: My name is Vera Williams. And my
24 question would be, is that purple and reddish color the
25 pipeline or proposed project? If that number D53 or D52, have

1 you considered the fall, the spring breakup, and is this going
2 to have any significant impact of water coming down the river
3 from the overflows, and if there's a jam? Have you guys
4 considered those possibilities, also?

5 PATRICK CONWAY: Yes. The answer to that question
6 is, yes, we have. We've been studying the river for quite
7 some time. ConocoPhillips has been studying the river as
8 well. In the last three years, we've gone out and monitored
9 the breakup. And so what we do is model the hydrology. It's
10 a -- and predict what the flood events could be in increments
11 of 10, 50, 100, and 200-year events.

12 VERA WILLIAMS: The next question: On the contour
13 of the landscape, are you right on the wetlands where it's
14 mushy or is that all high ground on the contour of the land
15 itself?

16 PATRICK CONWAY: That is actually a little bit more
17 difficult question to answer. The Corps of Engineers
18 considers all of this region wetlands. Based on the survey
19 work that we've done, we think that -- of the almost 300 acres
20 that we're proposing to fill, all but a very, very small
21 amount of that is considered wetlands.

22 To get into the specifics of is it mushy or the
23 higher ground or dryer, right now would be sort of difficult.
24 But we have looked at that, and I would say the short answer
25 is, there's a little bit of a mix. We do try to avoid the

1 more sensitive areas, though, in the proposed development.

2 PATRICK CONWAY: Ryan, okay. Are you good with that
3 answer?

4 RYAN WINN: I'm good with that answer.

5 PATRICK CONWAY: All right, I'm kind of -- I'm
6 bridging some gaps here. Okay. So if it's okay, I'm going to
7 try to go onto the next slide, and just describe for those of
8 you who aren't aware, what the -- what we're proposing to do.
9 The project is an oil development project, and so, well, the
10 basis for the project really is the drilling of development
11 wells to extract oil from the subsurface and bring it to
12 market.

13 And in order to do that, we're proposing three
14 locations where we'll be drilling wells. They're here: Drill
15 Site 2, Drill Site 3, and this other location here, we call
16 the Nanushuk pad, because not only would we be drilling wells
17 there, but the fluids that would be coming out of these other
18 locations would be shipped via pipeline to this location where
19 we would separate out the water and the gas that comes up from
20 down haul from the oil, at a process facility.

21 From here, the -- as Gordon mentioned, the
22 sales-quality crude, as we call it, would follow in a separate
23 pipeline back to what we call a tie-in location near the place
24 that I was pointing to earlier, Central Process Facility 2 in
25 the Kuparuk field, or CPF2, and that's here at this tie-in

1 pad.

2 As it relates to wetland impacts and gravel
3 infrastructure, what we're proposing to do is install a gravel
4 pad that's about 18 acres at Drill Site 3, the same size here
5 at Drill Site 2, and then to accommodate the processing
6 facilities, we would need about 22 acres of impacts here at
7 the Nanushuk pad.

8 We're also proposing to build what we call an
9 Operations Center. That would be home to a camp as well as
10 storage and maintenance facilities here, and that's about a
11 10-acre pad. And then the other gravel pad that we would have
12 to build here would be at the tie-in location where there
13 would be pig launchers, pig receivers, and leak-detection
14 facilities, and that would be about one acre. Okay. And --

15 UNIDENTIFIED AUDIENCE MEMBER: How many wells per
16 pad?

17 PATRICK CONWAY: So right now, we're looking at
18 approximately 30 wells at each Drill Sites 2 and 3, and the 15
19 development wells at Drill Site 1, plus two disposal wells.

20 VERA WILLIAMS: Have you guys also considered the
21 caribou crossing impact area? Have you guys always considered
22 the caribou crossing sections for caribou to go to and from
23 like near Drill Site 3 to DS2M? I'm just kind of curious if
24 you're addressing caribous for crossing.

25 I know you need to elevate your pipes pretty high if

1 you want the caribous to cross or you're going to have to let
2 it go underground so the caribous could cross or the path on
3 gravel and possibly under the pipeline. Just wondering if you
4 could pinpoint if there's going to be any type of decision
5 that has been made regarding caribou crossing.

6 PATRICK CONWAY: So, yeah, again, that's something
7 that will be evaluated as part of the permitting process, not
8 only with the Corps of Engineers, but also the North Slope
9 Borough as we go through their permitting process, as well.

10 What I can say is that -- so you referenced sort of
11 the last part of this slide that I wanted to talk about, which
12 is the gravel roads that we're proposing. There's a 14-mile
13 gravel road that would extend from Drill Site 2M up to the
14 Nanushuk pad that would include a bridge crossing over the
15 Miluveach River, and about 11 additional miles of gravel road
16 here between these drill sites that would include a bridge
17 crossing over the Kachemach River.

18 And what we've done is proposed pipelines adjacent
19 to these roads, but separated a distance of not less than 500
20 feet, except at the road crossings here where they would be
21 encased buried crossings of the roads. The pipelines would
22 all be elevated at least seven feet from the tundra to their
23 lowest point, which would include the horizontal supports and
24 anything like power or fiber optic cable that would be tied to
25 or draped beneath the pipeline.

1 VERA WILLIAMS: Is that also called the VSMS that
2 you guys (indiscernible)?

3 PATRICK CONWAY: Yeah, so the VSMS are vertical
4 support members and HSMS are horizontal support members. And
5 the pipeline actually rests on the HSMS. Those are -- that's
6 a steel I-beam, and so the lowest point, really, is where we
7 would be measuring that from.

8 VERA WILLIAMS: Yeah, that would just be my concern
9 is thinking about -- Gordon mentioned something about caribou
10 crossing. I know gravel, you need to think about elevating or
11 kind of making it even enough for the caribou to come up that
12 are going straight up six feet on the gravel. You need to
13 have a leeway for, you know, a slanted thing where -- I
14 believe you guys understand what caribou crossing is.

15 So, you know, that's just my question to -- for the
16 caribous to cross, since they're trying to cross something
17 that's going seven feet up in the air, and then you go, and
18 you go seven feet back down. There should be areas where the
19 caribous should be able to go through to cross. So that was
20 my concern.

21 PATRICK CONWAY: Okay. Thank you for your comment.
22 With respect to the roads, we have sort of a tapered design.
23 The roads are proposed to be five feet thick, so not six or
24 seven. But they would have a -- sort of a taper that would
25 allow for the caribou to cross over the roads and they would

1 be going under the pipelines. Does anybody ever -- have any
2 other questions about what we're proposing to do? Okay.

3 Well, I'm going to hand it back to -- oh, sorry. I --

4 UNIDENTIFIED AUDIENCE MEMBER: Thank you. I have
5 question in regards of the project. And probably this is
6 something that is going to be discussed at a later section for
7 the impacts to health. But I'm seeing that your project has
8 got three sites. And one of the concerns out in Nuiqsut is
9 air quality. So what are some of the -- what is your
10 proposition as far as addressing air quality in this area?

11 PATRICK CONWAY: So the air quality, as Ryan
12 mentioned earlier, is a component of the NEPA process. As we
13 entered into that process and submitted our application, we
14 took a look at what the permitting process for air quality
15 would be, and we sort of described that in some additional
16 documentation that we submitted to them.

17 But, essentially, what it boils down to is the
18 requirement that we would have to obtain air quality permit
19 from the State of Alaska, and under the federal regulations.
20 And that that would require monitoring of the air quality
21 prior to even submitting the application and then estimating
22 what those impacts would be. And we've done the lion's share
23 of that work using air quality monitoring that was conducted
24 in the community.

25 We have one more question in the back here.

1 UNIDENTIFIED AUDIENCE MEMBER: How large is your
2 proposed man camp, and what are you going to do with water
3 waste, water, and solid waste?

4 PATRICK CONWAY: Okay. So the man camp proposed to
5 be about a 120. It's -- have beds for 120 individuals. And
6 that's the permanent camp. During construction, that number
7 would be higher with temporary camps. During construction,
8 water would be hauled in and haul -- and waste water would be
9 hauled off to Service Area 10 over in Deadhorse, and as would
10 the waste during construction.

11 During operations, we have proposed to use a water
12 source right here next to, what we call Drill Site 2, from
13 this lake. Water from that lake would be transported via
14 pipeline over to the operations center where that water would
15 be treated. We would also propose to treat the waste water
16 there and inject the treated waste water into the disposal
17 well of the Nanushuk pad.

18 Solid waste would continue to be transported back to
19 the landfill over near Prudhoe and -- except for drilling
20 waste, which we would propose to process and dispose of at the
21 disposal wells on site.

22 GORDON BROWER: I got question on that part.

23 PATRICK CONWAY: Yes.

24 GORDON BROWER: Just want you to be aware, the North
25 Slope Borough is a provider of utilities in the Service Area

1 10, which is between the Colville River and the Canning River,
2 I believe, maybe 25 miles. There's a delineated map and the
3 North Slope Borough provides the utilities services in these,
4 which is solid waste, waste water treatment, potable water.

5 And in order for companies wishing to create their
6 own facility, you would have to get a waiver. There's a
7 waiver process, and justify why you're not using the North
8 Slope Borough services. I thought I'd just bring that up,
9 because that is something to be aware of if you are planning
10 on developing waste management stuff.

11 PATRICK CONWAY: Yeah, that's an appreciated
12 comment. And we were aware of that. And it's definitely
13 something that we plan on discussing with you in the future.

14 JOY HUNTINGTON: Okay. We'll probably take one more
15 question, and then we want to probably get to the public
16 comment part of the meeting.

17 VERA WILLIAMS: I have a question in regard to your
18 air emissions. I know Nuiqsut has voiced out a lot on
19 possible contaminated air coming into Nuiqsut and people
20 getting sick.

21 On the air emissions, I was -- I'm kind of thinking
22 about your flares that -- possible flares that are going to be
23 going off, and just what kind of impact will Nuiqsut have on
24 the air emissions if -- you know, because there was a blowout
25 with Repsol. And, you know, they mentioned several meetings

1 that they had health problems afterwards. And I'm just
2 wondering about your air quality -- your air emissions
3 where -- how are they going to be monitored? Daily? Are they
4 going to be reported and stuff like that? I'm just kind of
5 concerned for the comment I heard from Nuiqsut about their
6 health issues.

7 PATRICK CONWAY: Okay. So I heard a couple of
8 different questions there. I'll -- how we monitor air quality
9 impacts after the facility is installed and operating, is part
10 of the air quality permitting process. And so what I can say
11 is that I believe there will be plans to continue operating
12 the air quality monitoring station that currently exists in
13 Nuiqsut. And so that's one of the tools that we could use.

14 You asked a little bit about flaring. And the
15 flaring is also part of the permitting process. Flaring is
16 not done as a general maintenance activity. It's more there
17 for emergency situations or upsets in the plant. So while the
18 flare operates with a pilot light, it's not something that
19 would be used as a regular activity. Did I -- does that --

20 VERA WILLIAMS: I was just concerned about what I
21 heard in Nuiqsut.

22 PATRICK CONWAY: Right. And that's exactly --
23 and --

24 VERA WILLIAMS: The concerns of health issues at --
25 you know, the air emissions. And is it really possible that

1 they all got sick from, you know, such a thing? But, you
2 know, we don't know what -- that's what their -- they claimed
3 is that people get sick at Nuiqsut from the fumes or whatever
4 it is that's in the air in that area out of Nuiqsut, because
5 of all this industrial work going on or it was the blowout
6 itself at one time at Respol.

7 I mean, those are things that, you know, we hear
8 about, and they talk about and express from Nuiqsut. And, you
9 know, I know more concerns are going to come out probably from
10 Nuiqsut as you go there for their -- your guys' meeting.

11 PATRICK CONWAY: Right. Yeah. And that's
12 exactly -- it's actually a fairly good segue here for moving
13 back over to Ryan, because that is one of the proponents of
14 the NEPA process and what they'll be evaluating is impacts to
15 air quality and human health, as well.

16 RYAN WINN: Thank you, Patrick, for describing your
17 proposed project. Ma'am, you came in a little bit later, but
18 I'll just --

19 UNIDENTIFIED AUDIENCE MEMBER: (Indiscernible - away
20 from microphone).

21 RYAN WINN: No problem. Right now, we're in the
22 very beginning of our process for the development of the
23 environmental impact statement for this project. So all these
24 concerns, air quality are certainly going to be addressed in
25 our document, and will be a component in our analysis over the

1 next few years.

2 So Nuiqsut expressed grave concerns over air quality
3 impacts to their village and their health. So we are aware of
4 that, and that -- and, really, the purpose of these meetings
5 is to solicit -- you know, it's a public scoping at the very
6 beginning of the process to solicit these concerns just like
7 you've expressed, to let us know, hey, Corps of Engineers, you
8 need to deal with this issue and address this issue. So well
9 noted, your concern over that. It was also expressed a lot
10 last night in Nuiqsut, so we're aware of it and it will be
11 something that we'll address.

12 I would like to remind everyone, also, I heard a few
13 things about what decisions have you made -- have been made.
14 There have been no decisions, so the Corps of Engineers are
15 going through this process to identify these issues. And
16 there have been no decisions made about height of the ascent
17 or anything else. There's something that's proposed, a design
18 that's proposed by the applicant, but what's actually
19 permitted has not been made. No decisions have been made yet.

20 So that's exactly what we want to hear from you, if
21 you have a recommendation on a number of factors. So we've
22 seen the proposal, right. But in our alternative analysis,
23 we're going to be looking at alternative locations,
24 alternative designs. So if you have the recommendations for
25 critical habitat areas that need to be avoided, we want to

1 hear it.

2 If you have recommendations on, hey, if you did it
3 this way, you'll have less impacts to the aquatic environment
4 or to caribou crossing, we want to hear it. We want to hear
5 suggestions for alternative locations and suggestions on
6 design, road thickness, vertical support member height. All
7 of those design considerations, we also need to address to
8 avoid and minimize impacts to the maximum extent practical.

9 So that's where we're at right now in the scoping
10 process is to hear your ideas, your suggestions, and your
11 concerns for what we need to analyze in this process.

12 So, at this point, I'll pass it back over to Joy and
13 we'll -- we've kind of integrated the comments in the
14 presentation, and that's okay. We're fluid here. We were
15 going to have a comment section at the end of this. We kind
16 of have had several during and that's fine.

17 But at this point, I'd like to really encourage you
18 to submit comments. We have four different ways to do it,
19 through the website. That first board there will tell you how
20 you can comment to us, to the website, mail directly to the
21 Corps of Engineers, submit a comment form, attending public
22 scoping meetings, which we'll be doing over the next few
23 years, submit a prepaid postcard. There's multiple ways that
24 you could do this, and I really encourage you to help us in
25 this process. And thank you for your time tonight. And

1 we'll, at this time, be recording any additional comments that
2 you all may have. Thank you.

3 JOY HUNTINGTON: So thank you, Ryan and Patrick, for
4 sharing more about the project that's being proposed. As Ryan
5 mentioned, you know, kind of -- just of what kind of comments,
6 you know, we're looking for, and, absolutely -- I mean, any
7 comments are helpful in this process. So there's no wrong way
8 to comment and there's no wrong comment to make.

9 And one thing that I just want to emphasize is the
10 purpose of the people that are here tonight, is that we hear
11 from you. And so we may not answer every question that comes
12 up. If you have a comment, everything is going to be taken
13 down. You've already seen Maryellen writing everything down.
14 You may not get a quick response this evening, because we
15 mostly want to just hear from as many people as possible, and
16 if we stop and respond to everyone, we may limit how many
17 people get to speak with us.

18 So the whole few -- next few years, as this process
19 continues, there's no specific time frame set out for how long
20 it's going to be. But there is going to be lengthy times for
21 folks to respond to your questions and concerns. But tonight,
22 we're really about, you know, capturing what you want to bring
23 in and suggest in terms of what Ryan has already mentioned.

24 So there's many ways, as he said. The comment
25 postcard has already been pos -- there's already a stamp on

1 it, so all you have to do, if you want to take one of these
2 and just write your comments on it and put it in the mail; you
3 don't have to pay for stamps on that. And there's also a form
4 here. So he's mentioned several of these. And the website is
5 also a direct way to comment.

6 So we have a wireless mic; we're going to try to get
7 that around to as many people as possible. Please let us know
8 if you'd like to make comments. And, again, we appreciate
9 your participation in this meeting. And anyone that you hear
10 of that you'd like to, you know, encourage them, to please
11 have them comment. We'd like to get as many comments in as
12 possible.

13 VERA WILLIAMS: I got a question on (indiscernible -
14 away from microphone). On that one map, you mentioned a
15 bridge. Are you guys going to put the pipe over the bridge?
16 Are you guys going to go under the bridge -- or under the
17 river with that pipe or no? Is it going to be over?

18 PATRICK CONWAY: The pipeline -- we're -- our
19 proposal has the pipeline crossing the river on vertical
20 support members, just as it does over land.

21 VERA WILLIAMS: How many feet is that?

22 PATRICK CONWAY: So that's based on the hydrology
23 modeling. So what it does is, it takes that -- how the
24 predicted high water, plus an additional several feet above
25 that.

1 VERA WILLIAMS: Because I was kind of thinking, you
2 might go under the river and come back up. I've seen --

3 VERA WILLIAMS: -- those couple in different places.

4 RYAN WINN: So that's not -- that's a design
5 alternative --

6 VERA WILLIAMS: Yeah.

7 RYAN WINN: -- that is already being transcribed
8 right now for the --

9 VERA WILLIAMS: Uh-huh.

10 RYAN WINN: -- for the Corps to consider the
11 practicability of that, HDD drilling underneath the river as
12 opposed to overhead crossing.

13 VERA WILLIAMS: Yeah.

14 RYAN WINN: That's something that we should be
15 looking at.

16 VERA WILLIAMS: Oh, yeah, because I've seen -- I
17 used to work at the planning department, and we went to Canada
18 and then to go look at the one pipeline by Norman Wells in
19 Canada, and their pipe had gone underground, under the
20 ground -- under the river and back up on the other side.

21 RYAN WINN: Yeah.

22 VERA WILLIAMS: And a --

23 RYAN WINN: That design alternative is something
24 that the Corps should certainly be looking at as a potential
25 design to reduce impacts.

1 VERA WILLIAMS: Uh-huh. So I was just kind of --
2 when I looked at the river and then there's a blue spot there
3 and (indiscernible) is that a river? I just decided to ask
4 this question.

5 RYAN WINN: Yeah. No, and these are a pretty
6 lengthy crossing, like 100 feet.

7 UNIDENTIFIED SPEAKER: 330.

8 RYAN WINN: 330-foot crossing, right, so --

9 VERA WILLIAMS: Yeah, (indiscernible - simultaneous
10 speech).

11 RYAN WINN: -- this is a big crossing. So that's
12 something pretty much by default, the Corps will be looking
13 at. Any time we have a crossing like this, doesn't make sense
14 to go under or over. And we'll look at the possibility of
15 that.

16 VERA WILLIAMS: Oh, you'll have a beam in the river,
17 too, holding up your pipes?

18 UNIDENTIFIED SPEAKER: There's a proposal for that,
19 yeah.

20 RYAN WINN: Yeah, so at this time, they do propose
21 to have a support beam in the channel.

22 VERA WILLIAMS: Okay. I know it's not a very big
23 river, but I'm just -- you know, I just kind of curious. But
24 if it was a bigger river, that would be another story for ice
25 flows and stuff like that when it broke up.

1 RYAN WINN: Okay.

2 UNIDENTIFIED AUDIENCE MEMBER: Can we go back to the
3 other map that shows the Alpine line? Gordon mentioned
4 earlier about maybe tie-in to the Alpine line or consolidating
5 the pipeline and making a transportation corridor on the
6 existing route, rather than a new route across that new, open
7 area. I think we worked with Repsol early on, and I suggested
8 that as an alternative.

9 RYAN WINN: Yeah.

10 UNIDENTIFIED AUDIENCE MEMBER: And how much will
11 that option be explored in this process?

12 RYAN WINN: Okay. So I'll tell you, just by default
13 in the Corps alternative analysis for this project, we're
14 always trying to avoid and minimize impacts, right. So the
15 first thing we're looking at, how can we minimize the square
16 footage of fill in wetlands, right?

17 So the first thing we're going to have to address is
18 how do we minimize the pad size, the road lengths, right. So
19 that's something that we're going to have to look at. I think
20 you're mentioning this line here, so if it makes sense to --
21 if it's practicable for the applicant to put in processing
22 facility here, avoid all of this line and just tie in here,
23 that's something that we at least have to evaluate the
24 practicability of that, so, yeah.

25 UNIDENTIFIED AUDIENCE MEMBER: Thanks for that. And

1 we realize there's a lot of challenges to do that, I guess, as
2 you are aware. And I suggested the alternative at one time to
3 be considered. And that's fine. I just wondered if it was
4 back for further review.

5 RYAN WINN: At this point, we're in the scoping
6 period, so everything is on the table, right.

7 UNIDENTIFIED AUDIENCE MEMBER: As a cooperating
8 agency, will the North Slope Borough have opportunity to talk
9 about some of their ideas on transportation corridors?

10 RYAN WINN: Absolutely.

11 UNIDENTIFIED AUDIENCE MEMBER: (Indiscernible -
12 simultaneous speech).

13 RYAN WINN: That's one of the purpose of them being
14 a cooperating agency, is they'll participate in multiple
15 meetings over the next years, so we --

16 UNIDENTIFIED AUDIENCE MEMBER: Because --

17 RYAN WINN: -- welcome your participation.

18 UNIDENTIFIED AUDIENCE MEMBER: -- I think it's not
19 only this development, but there's other development proposed
20 adjacent to this that will also have impact, so --

21 RYAN WINN: Yeah, cumulative impacts is going to be
22 a big part of this document.

23 UNIDENTIFIED AUDIENCE MEMBER: Thank you.

24 JOY HUNTINGTON: So I -- just as we kind of sort of
25 get close to the end of the evening, I just wanted to see if

1 there's anybody who hasn't made any comments yet that would
2 like to comment. We appreciate all the great input and
3 questions we've been getting. But I just want to make sure we
4 don't leave anybody out.

5 So is there anybody that hasn't had a chance to
6 share something that would like to have an opportunity at this
7 time? Don't mean to put you guys on the spot or anything. If
8 you don't, that's fine. We're happy that you're here even if
9 you're just listening tonight.

10 And, again, this is a long process, so you'll have
11 many opportunities. You know, maybe once you thought more
12 about things and talked to people, so no pressure to share it
13 all tonight. But we just want to make sure we don't leave
14 anybody out.

15 RYAN WINN: Please take one of these postcards and
16 think about it and provide comments at a later time; no
17 problem.

18 VERA WILLIAMS: (Indiscernible - away from
19 microphone). Since you're talking about a project, I know
20 they'll need to hire people. Do you know if there's any
21 stipulations about hiring people from the North Slope or
22 anything like that been talked for hiring local people from
23 the North Slope? For -- you know, there's a lot of
24 unemployment in the villages, in Barrow, and all the other
25 villages. I'm just wondering if --

1 RYAN WINN: Yeah, it just --

2 VERA WILLIAMS: -- that's been discussed also.

3 RYAN WINN: It will be a standard component of the
4 document to study the economic effects of the proposed
5 project, and employment will be one of those considerations,
6 what the applicant proposes to do, yes. The Corps of
7 Engineers is not in the business of requiring anybody to hire
8 anybody. That's not our role or responsibility, but it will
9 be something that will have to be addressed in our document.

10 UNIDENTIFIED AUDIENCE MEMBER: Thank you.

11 GORDON BROWER: I do work in the planning
12 department, and there's an active drilling program adjacent to
13 this one with a potential to be part of a development
14 scenario. And I would hope that the applicant and the Corps
15 look at the other projects that are right adjacent to this
16 in -- instead of piecemealing a large review like this.

17 RYAN WINN: Thank you for your comment. Yes, it's
18 our responsibility to do a thorough cumulative analysis, which
19 includes past, present, and foreseeable developments in the
20 area.

21 UNIDENTIFIED AUDIENCE MEMBER: What are you talking
22 about, Gordon, placer or (indiscernible - away from
23 microphone) or --

24 GORDON BROWER: In particular, placer. It's like
25 two miles from this or something.

1 RYAN WINN: The gentleman mentioned placer, in
2 particular, Marci, you got that.

3 COURT REPORTER: Yeah, I heard it. Hopefully, I got
4 it all.

5 UNIDENTIFIED AUDIENCE MEMBER: (Indiscernible - away
6 from microphone).

7 JOY HUNTINGTON: The question is, where is placer?
8 So we're going back to that slide now.

9 PATRICK CONWAY: This is the placer unit.

10 RYAN WINN: Well, if there's no further questions,
11 in person tonight, thank you all for coming. We really
12 appreciate your time. And we encourage you to, if you'd like
13 to take this home, digest it, give it some thought, and just
14 submit formal scoping comments to the Corps of Engineers as we
15 initiate the preparation of this document.

16 JOY HUNTINGTON: Yeah, thank you on behalf of DOWL
17 and the Corps of Engineers, and everybody here tonight. Just
18 appreciate your presence, and look forward to continuing to
19 hear your input over the next -- as we move forward to formal
20 input, comment period, and then beyond that as well if you
21 continue to have suggestions. So thank you and have a great
22 evening.

23 (Off record)

24 (End of Proceedings)

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TRANSCRIBER'S CERTIFICATE

I, Marci Lynch, hereby certify that the foregoing pages numbered 2 through 55 are a true, accurate, and complete transcript of the Nanushuk Project Public Scoping Meeting held in Barrow, Alaska, March 22, 2016, transcribed by me from a copy of the electronic sound recording to the best of my knowledge and ability.

April 11, 2016

Marci Lynch, Transcriber

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