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**CERTIFIED  
TRANSCRIPT**

U.S. Army Corps of Engineers - Alaska District

Public Scoping Meeting  
Anchorage, Alaska

NANUSHUK PROJECT  
ENVIRONMENTAL IMPACT STATEMENT

March 28, 2016

Crown Plaza Anchorage-Midtown  
109 West International Airport Road  
Anchorage, Alaska

1 INTRODUCTION

2 MS. JANET POST: So welcome to the U.S.  
3 Army Corps of Engineers Public Scoping Meeting for  
4 the Nanushuk Project Environmental Impact Statement.

5 My name is Janet Post. I'm a regulatory  
6 project manager. And with me this evening is Ryan  
7 Winn, our North Branch section chief, Maryellen  
8 Tuttell and Kristen Hansen of DOWL; also, Patrick  
9 Conway with Armstrong Oil & Gas.

10 On our agenda for this evening, we will  
11 provide information about the Environmental Impact  
12 Statement process, then Patrick Conway of Armstrong  
13 Oil & Gas will give a brief presentation on the  
14 proposed Nanushuk Project, and then we will be asking  
15 you, the public, for your comments on what you think  
16 should be studied in the Environmental Impact  
17 Statement.

18 So there are several ways that you can  
19 participate: You can comment in person at this  
20 evening's meeting; you can fill out a paper comment  
21 form, if you prefer to write out your comment; you  
22 can e-mail your comment or also mail in your comment.  
23 And there's a brochure outside on the table that list  
24 all these different ways.

25 So why are we doing an Environmental Impact

1 Statement? Well, the U.S. Army Corps of Engineers,  
2 we received a permit application from Repsol  
3 proposing to produce, process and transport  
4 sales-quality oil to the TAPS by placing gravel fill  
5 into 288 acres of wetlands to construct drill pads  
6 and roads, located approximately a half a mile from  
7 the East Channel of the Colville River and 7.5 miles  
8 from Nuiqsut, Alaska. The applicant is also  
9 proposing screeding, which is a scraping of the  
10 seafloor, 5.8 acres at the Oliktok Dock for barge  
11 offloading.

12 The National Environmental Policy Act  
13 requires the Corps to do an environmental review  
14 of the proposed project, and the Corps determined  
15 that the project would require the highest level of  
16 environmental review, which is an Environmental  
17 Impact Statement.

18 On our EIS team is the Corps of Engineers.  
19 We are the lead federal agency. We are responsible  
20 for the content of the EIS, to ensure an independent  
21 review, and the Corps is not a proponent or an  
22 opponent of the project. The agencies that have been  
23 invited by the Corps to be cooperating agencies in  
24 the preparation of the EIS and share their special  
25 knowledge are the Environmental Protection Agency,

1 U.S. Fish and Wildlife Service, State of Alaska  
2 Department of Natural Resources, and the North Slope  
3 Borough and the Native Village of Nuiqsut. DOWL is  
4 our third-party contractor, and they will prepare the  
5 EIS under the direction of the Corps.

6 So this shows the steps in the EIS process,  
7 and we are right here, in Public Scoping. The EIS  
8 process begins here, when you publish a Notice of  
9 Intent to prepare an EIS. Here we are; and this is  
10 where we'll be asking you, the public, for your  
11 comments on what you think should be studied in the  
12 EIS. That will help us to identify key factors to be  
13 studied and to develop alternatives. We'll also be  
14 asking you for ideas on what would make for good  
15 alternatives to be studied.

16 Then we'll prepare the Draft Environmental  
17 Impact Statement, and then, again, the public will  
18 have an opportunity to comment on the Draft EIS; 60  
19 days. We will also be repeating the same public  
20 meetings that we have been doing previously for the  
21 scoping period. Then there is a Final EIS, and  
22 again, the public has the opportunity to comment  
23 again, and then we'll reach -- or, make our Record of  
24 Decision. So, important to point out that we have  
25 not made any decisions yet.

1                   Here are some typical examples of resources  
2   that are studied in the EIS: Physical, such as  
3   water, air quality, hazard material spills;  
4   biological, such as wetlands, vegetation, fish, birds  
5   and mammals; and social, such as noise, subsistence,  
6   traditional land use; cultural; recreation; visual,  
7   and human health.

8                   So what is the public's role in the EIS?  
9   The public can provide information on how the  
10  proposed project may affect you, the land, the air,  
11  the water and subsistence resources. You can provide  
12  alternatives to the proposed project. For example, a  
13  different route that the road could go in. Or ways  
14  to reduce or minimize project impacts. For example,  
15  certain times when maybe it would not be a good idea  
16  for there to be helicopter noise.

17                  So this is our schedule for the EIS. It  
18  just shows that we published the Notice of Intent on  
19  February 4th, 2016. We have had scoping meetings in  
20  Nuiqsut and Barrow, currently we are at the scoping  
21  meeting in Anchorage, and later this week we'll be in  
22  Fairbanks. And the end of the scoping period is May  
23  1st, and we hope to receive your comments by that  
24  time.

25                  So now I'd like to call up Mr. Patrick

1 Conway from Armstrong Oil & Gas, and he will present  
2 the Nanushuk Project.

3 Patrick.

4 MR. PATRICK CONWAY: Okay. Thanks, Janet.

5 Is this too loud, not loud enough, good?

6 Thank you.

7 (Presentation portion untranscribed, as not  
8 requested)

9 MR. CONWAY: Does that work for you?

10 MS. POST: Uh-huh.

11 MR. CONWAY: I think that -- that was about  
12 it, for me, and if you have questions...

13 Do you want me to take questions now or  
14 later?

15 MS. JANET POST: (Indiscernible - lowered  
16 voice).

17 Thank you very much, Patrick.

18 We encourage you to participate, to provide  
19 comments on the proposed project: How the proposed  
20 project may affect you; for example, the land, the  
21 air, the water and subsistence resources, ways to  
22 reduce or minimize the project impacts, and  
23 alternatives to the proposed project.

24 I'm going to ask Maryellen Tuttell to come  
25 up now to facilitate your comments.

1 MS. MARYELLEN TUTTELL: Thank you, Janet.  
2 So, as Janet mentioned, these are issues  
3 that will help the Corps the most in the scoping  
4 process, and also, as she mentioned, you have several  
5 different ways to participate. In addition to  
6 providing comments or asking questions tonight, you  
7 can also go to the website and you can submit  
8 comments on the website, you can take one of the  
9 stamped postcards outside, put your comments on that  
10 and stick it in the mail, or you can take a comment  
11 form and turn it in later or fill it out here at the  
12 meeting and leave it with us.

13 So, with that, I'll open it up for comments  
14 and questions. And I know that --

15 UNIDENTIFIED SPEAKER: (Indiscernible -  
16 lowered voice).

17 MS. MARYELLEN TUTTELL: Yes.

18 We'll start with Marty Rutherford, who I  
19 know has already indicated that she had some comments  
20 to make.

21 MS. MARTY RUTHERFORD: Thank you,  
22 Maryellen.

23 Would you like me to be here or come up, or  
24 how would you like me to do this?

25 MS. MARYELLEN TUTTELL: However people are

1 more comfortable. If you want to come and speak here  
2 or just stand up where you are, that would probably  
3 work fine.

4 MS. MARTY RUTHERFORD: My boss is telling  
5 me to come up.

6 MS. MARYELLEN TUTTELL: Okay.

7 MS. MARTY RUTHERFORD: Thank you for the  
8 opportunity to be here tonight.

9 For the record my name is Marty Rutherford.  
10 I'm the Acting Commissioner of Department of Natural  
11 Resources. And I forgot my glasses. Just a  
12 moment.

13 So it's my pleasure to be here tonight.  
14 The State of Alaska is very encouraged to see the  
15 continued agency review and public involvement for  
16 the proposed Armstrong Nanushuk Project.

17 Armstrong and its partners have advanced  
18 significant exploration activity on a portion of over  
19 750,000 leased North Slope acres. Earlier this  
20 month, as was commented earlier, Armstrong took over  
21 operatorship of these leases. Armstrong's  
22 exploration efforts and successful drilling campaign,  
23 to date, has resulted in 12 drilled wells --  
24 including sidetracks -- in the East Alpine field and  
25 Nanushuk reservoir. All 12 wells have found



1 hydrocarbons, most with multiple pay zones. Seven  
2 appraisal wells have been drilled in the Nanushuk  
3 reservoir showing an oil pool that covers more than  
4 25,000 acres. While additional drilling is needed to  
5 better understand the size and the character of the  
6 discoveries, Armstrong has advanced its efforts to  
7 begin the permitting process to develop the Nanushuk  
8 Project within the Pikka Unit.

9           Recently, David Houseknecht, who is the  
10 senior research geologist and project chief for the  
11 USGS's Energy Resources Program in Alaska, said the  
12 Alpine field -- and I'd like to quote -- "remains the  
13 largest onshore accumulation discovered in the last  
14 30 years in the United States, and it is almost  
15 certain to produce more than 1 billion barrels of oil  
16 during its lifetime," end quote. Given what is  
17 currently understood about the Nanushuk Project, it  
18 appears Armstrong and Repsol's Pikka Unit will  
19 surpass Alpine and may have the potential to be  
20 second in size only to Prudhoe Bay.

21           At its peak, estimated daily oil production  
22 rates within the Pikka Unit is expected to be 120,000  
23 barrels of oil per day. Armstrong and their partners  
24 have reported a range of contingent oil resource  
25 volumes from the Pikka Unit on the North Slope, which

1 upon project commercialization will translate to  
2 proven reserves of 497 million barrels, probable  
3 reserves of 1.4 billion barrels, and possible  
4 reserves of 3.7 billion barrels.

5 Obviously, the State of Alaska continues to  
6 fully support increased exploration and production  
7 from the North Slope, which would help offset the  
8 current declines in production, and importantly,  
9 maintain efficiency of the Trans Alaska Pipeline  
10 System. Over the past 20 years, North Slope  
11 producing has steadily declined. It is now currently  
12 production about 546,000 barrels per day. In the  
13 face of steadily declining production, it's  
14 imperative to bring new production online.

15 It is critical to support this development  
16 and follow a timely and efficient NEPA/EIS process.  
17 In doing so, timely development will significantly  
18 help address Alaska state budget issues, while also  
19 providing good paying jobs to Alaskans. With oil  
20 currently expected to flow in 2021, successful  
21 Nanushuk Project development will provide increased  
22 economics and employment opportunities for Alaska.  
23 Given the current budget challenges that we are  
24 facing in Alaska, bringing new resource development  
25 and energy production online is more critical now

1 than ever. The reported size of the Pikka Unit's  
2 potential is one silver lining in the current fiscal  
3 outlook and demonstrates the North Slope's legacy and  
4 future as a premiere oil-producing basin.

5 The State remains committed to working with  
6 all of the participating agencies during the project  
7 review process. We will conduct the statutorily  
8 required and very robust State permitting review  
9 process to help encourage responsible resource  
10 development, fully addressing state -- excuse me --  
11 addressing all agency concerns and stakeholder input.  
12 We are a strong proponent for the timely, transparent  
13 decision making and collaborative working  
14 relationships among all the Cooperating Agencies  
15 throughout the remainder of the EIS process, as well  
16 as throughout the permitting of this proposed  
17 project. We look forward to continue working  
18 together with these federal agencies to see further  
19 success in completing the NEPA review and permit  
20 phase for the proposed Nanushuk Project.

21 And I really want to thank you for the  
22 opportunity to go first tonight and for you hearing  
23 my comments. Thank you very much.

24 MS. MARY TUTTELL: All right. Are any of  
25 the other Cooperating Agencies here?

1                   EPA, would you like to give comments or  
2     have any questions?

3                   MS. JENNIFER CURTIS: We're preparing  
4     written comments that we'll submit subsequently.

5                   MS. MARYELLEN TUTTELL: Okay. Anybody from  
6     Fish and Wildlife Service want to provide any  
7     comments?

8                   All right. So who wants to follow up with  
9     next comments or questions for the applicant on the  
10    project details, questions for the Corps on the  
11    process, comments on the most important issues to be  
12    studied in the EIS, thoughts on mitigation or  
13    alternatives?

14                  Don't be shy. We won't make you come up  
15    and stand here, if you don't want to stand up here.

16                  MR. CARL PORTMAN: Hi, good evening. My  
17    name is Carl Portman, and I'm the deputy director  
18    of the Resource Development Council here in  
19    Anchorage.

20                  RDC is a statewide, nonprofit business  
21    association comprised of individuals and companies  
22    from Alaska's oil and gas, mining, timber, tourism  
23    and fishing industries. And our membership also  
24    includes Native regional and village corporations,  
25    local governments, organized labor and industry

1 support firms. Our mission is to help grow Alaska's  
2 economy through the responsible development of our  
3 natural resources.

4 New production from the Nanushuk Project  
5 could add up to, as we heard, 120,000 barrels per day  
6 to the Trans Alaska Pipeline, which is Alaska's  
7 economic lifeline and is now running at two-thirds --  
8 actually, at three-quarters empty. TAPS and Alaska  
9 desperately need more oil production and the Nanushuk  
10 Project has the potential to deliver significant new  
11 volumes of oil.

12 The \$5 billion project is vital to Alaska's  
13 depressed economy. It could be one of the most  
14 significant discoveries on the North Slope since the  
15 discovery of Alpine and Kuparuk. The project could  
16 generate significant long-term economic activity,  
17 with up to 600 North Slope construction jobs and  
18 at least 60 direct jobs in Anchorage. For each  
19 direct oil-industry job, 20 additional jobs are  
20 generated across Alaska's economy.

21 Given the Nanushuk Project is located near  
22 existing infrastructure, environmental impacts are  
23 likely to be minimal. With evolving improvements in  
24 technology, best practices and oversight, the  
25 industry has demonstrated that North Slope energy

1 development and environmental stewardship can and  
2 does coexist.

3 In conclusion, RDC is confident this  
4 project can move forward in a way that protects the  
5 environment, wildlife and subsistence needs of local  
6 residents. The project has the potential to  
7 significantly boost TAPS throughput, create new jobs,  
8 generate needed revenues to the North Slope Borough,  
9 the state, the federal government, while reducing  
10 America's dependence on imported oil. And yes, we  
11 are still importing oil into this country.

12 We are confident the Nanushuk Project can  
13 be developed in a responsible and safe manner. We  
14 encourage the Corps to recognize these benefits in  
15 the environmental impact statements and the positive  
16 benefits that the -- Marty Rutherford also noted in  
17 her comments.

18 Thank you.

19 MS. MARYELLEN TUTTELL: We will definitely  
20 be looking at the local, regional and statewide  
21 economic issues as part of the Environmental Impact  
22 Statement.

23 So who else: Who has questions; questions  
24 for the Corps, for the applicant? Any other specific  
25 issues that people feel we may not be aware of that

1 need to have special emphasis during the  
2 environmental review process? Anybody else want to  
3 just make general comments for the record?

4 MR. BILL MARCH: Good evening. Bill March,  
5 and I'm here just as a private citizen.

6 And although it's been said twice now, the  
7 economic benefits are critical. The oil industry has  
8 been hurting lately and continues to hurt, and I  
9 encourage you to look carefully. And I want to  
10 promote this project. I encourage you to promote  
11 this project as an economic benefit to the  
12 state of Alaska.

13 MS. MARYELLEN TUTTELL: Thank you.

14 Anybody else: Comments or questions? If  
15 not, you'll have to stay here and eat cookies with us  
16 in the back and look some more at the boards and --  
17 and talk to us.

18 MS. DREMA FITZHUGH: Hi. My name is Drema  
19 Fitzhugh. I'm with Hawk Consultants.

20 Hawk is Alaska born and bred, 30 years  
21 ago -- over 30 years ago, and we just want to give --  
22 we're here to give our support to Armstrong and  
23 Repsol. We feel that this is a critical project and  
24 something that can certainly help with the efficiency  
25 of our TAPS pipeline, which is flowing at 25 percent

1 capacity right now. So we're really hoping this  
2 project is going to go through, and you've got 100  
3 percent support from us.

4 MR. RUSSELL SELL: Good evening. My name  
5 is Russell Sell. I am with -- I'm here as a public  
6 citizen, but I'm also here representing PRL  
7 Logistics. We're an expeditionary logistics company  
8 that provides services to resource extraction  
9 activities globally, and we have large clients here  
10 in the state of Alaska.

11 I want to follow back onto the Resource  
12 Development Council's comments on economic benefit.  
13 I don't know if you've done the math, but if you just  
14 had 660 jobs associated with this project, and if  
15 they only paid \$50,000 each a year, that equates to  
16 about \$600,000 a week coming -- gross dollars --  
17 coming back into this economy. I think that's  
18 important to note. In rural Alaska, that means more  
19 snow machines, more ammo, more hunting opportunities,  
20 more food, more fuel management for personal use. In  
21 the communities here in Alaska in the urban areas,  
22 that means more spendable income, more choices for  
23 education, more choices for what we do with our  
24 families, health and benefit. And I think all those  
25 are important aspects to a project like this.



1 Because when we get down to it, not only everybody  
2 here, who's a decision maker and a stakeholder, but  
3 in the broader sense, everybody in the state of  
4 Alaska is a producer, just like Armstrong, just like  
5 Repsol, just like the other providers here of  
6 resource development in the state of Alaska.

7 We have to make an informed decision based  
8 as producers to effectively demonstrate that we know  
9 how to manage our economy and grow that economy so  
10 we can have something for our families going forward.

11 Thank you.

12 MS. MARYELLEN TUTTELL: Thank you very  
13 much.

14 Anybody else have questions or comments?

15 I've got a big mouth, so I'm not going to  
16 use the mic.

17 MR. JEFF DOWLE: Yeah. And just to repeat  
18 what's actually been said -- I'm Jeff Dowle, with  
19 CH2M, and on behalf of my colleagues here, I just  
20 wanted for the record to say that we state strongly  
21 our support for this project and this development and  
22 strongly also that we, as a collection of contractors  
23 and engineers and support groups out there, that  
24 we can safely and environmentally soundly deliver  
25 this project and support it through first oil and

1 continuous operation.

2 Thank you.

3 MR. JOHN SHIVELY: Hi. My name is John  
4 Shively. I'm actually here as a -- on my own as a  
5 public citizen, but I was also a former commissioner  
6 of Natural Resources, harassing Marty for six years  
7 while she was my deputy.

8 I'd just like to say, when I first heard of  
9 this project, you know, it actually reminded me a lot  
10 of the excitement we felt when I was commissioner  
11 when Alpine was being developed. It was a big new  
12 field, a big opportunity for the state. It was an  
13 opportunity to test new technology that had not been  
14 used in Prudhoe Bay or Kuparuk, and from what  
15 I understand of this project, you're going to see the  
16 same thing here. The technology just gets better and  
17 better. This is a hugely important project to the  
18 state, and I'm confident as you scope the many  
19 environmental issues you're going to have to look at  
20 that you'll find that this is a project that will  
21 meet the very high standards we set in this state.

22 Thank you.

23 MS. MARYELLEN TUTTELL: All right. Other  
24 questions or comments?

25 MR. TONY SCHWARZ: My name is Tony Schwarz.

1 I have been working in the Prudhoe Bay environment  
2 since 1976, and I think what I'd like to add -- it  
3 has been kind of touched on here and not emphasized  
4 nearly enough -- is, as an engineer, we have  
5 developed a very well-balanced and sophisticated  
6 understanding of the environment, more so than we had  
7 when we first arrived, of course, and I think it's  
8 very important to note that whatever development is  
9 gone forward with here will be -- benefit from all  
10 of the knowledge that we have gained over these  
11 years. And I think that goes for the agencies'  
12 understanding of what they need to emphasize and for  
13 the engineering and design firms to emphasize what  
14 they've learned, none of which has been described  
15 here.

16 One of the ones I think that is most  
17 conspicuous is, for example, our footprint has gone  
18 down dramatically. He talked about pad size here.  
19 These pads are considerably smaller than anything  
20 that came before them. Same thing with how we do our  
21 pipelines. We no longer have roads that follow  
22 pipelines, and a lot of other impacts that have been  
23 alleviated. So I want that to be sure to be  
24 concerned -- to be involved in your deliberations.

25 Thank you.

1                   MS. MARYELLEN TUTTELL: All right. Who's  
2 next?

3                   If we don't have any more comments, we'll  
4 adjourn back to an open-house style, and we'll be  
5 back by the boards. And we'd be happy to answer any  
6 questions or hear any thoughts or input that you  
7 might have on the process or on issues. And you can  
8 help us eat all that food back there.

9                   So thank you so much for taking time out of  
10 your busy night. On behalf of the Army Corps of  
11 Engineers, I know they really appreciate everybody  
12 taking time out of -- out of your busy lives to come  
13 out tonight.

14                  Again, take a card with you that has the  
15 website. We will put all the boards and all the  
16 presentations up on our website. And we look forward  
17 to seeing you when the Draft EIS comes out.

18                  (Public Scoping Meeting concluded at 7:45 p.m.)

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C E R T I F I C A T E

I, GAIL RUTH PECKHAM, Registered Professional Reporter and Notary Public duly commissioned and qualified in and for the State of Alaska, do hereby certify that the foregoing proceedings were taken stenographically before me and thereafter reduced to typewriting by me or at my direction.

That the foregoing transcript is a full, true and correct transcript of the proceedings, including questions, answers, objections, statements, motions and exceptions made and taken at the time of the foregoing proceedings.

That all documents and/or things requested to be included with the transcript of the proceedings have been annexed to and included with said proceedings.

That I am not a relative or employee or attorney or counsel of any of the parties in these proceedings, nor a relative or employee of such attorney or counsel, and that I am not financially interested in said proceedings or the outcome thereof.

IN WITNESS WHEREOF, I have set my hand this 8th day of April, 2016.



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GAIL RUTH PECKHAM, RPR  
Notary Public for Alaska  
My commission expires: 3/26/14

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