Attachment 1

Public Meeting Transcript and Response to Public Comments

Response to the Comments on the Remedial Investigation and Focused Feasibility Study for U.S. Coast Guard Burrows Island Light Station

Public Meeting, Anacortes Public Library, January 10th, 2020

The following table summarizes comments received during the question and answer session of the public meeting for the USCG Burrows Island Light Station Remedial Investigation and Focused Feasibility Study report, conducted on January 10, 2020. The discussion was recorded by a stenographer and have been revised in the summary for clarity and brevity. Additional details have been added as noted based on research following the meeting. Questions that were similar in content have been composited. Questions of clarification on design elements are not included in the table but are provided in the transcript.

Comment Number	Commenter Name (s)	Summarized Comment	USCG Response	Location in Meeting Transcript
1	Dave Savage	Dave expressed interest in the landscaping of the property following soil removal, particularly concerning the difficulty bare rock and steep slopes would pose to vegetation management. Wanting no more bare rock than is there now.	The site will be graded following excavation in order to be compatible with expected future site uses. This will be discussed as part of the remedial design process.	pp. 6 - 8
2	Steve Anderson	Bullwhip kelp grows on the shoreline of the site and it may be a protected species with limited habitat. The kelp may be impacted by plans to anchor a barge for equipment.	As part of the CERCLA process, USCG will consult with state and federal agencies to ensure that the kelp and other species are protected.	pp. 10 - 12
3	Don Meehan	There are many maintenance and repair tasks at the light station that are not directly related to site cleanup but are essential for site safety and restoration. It would be valuable if the United States Coast Guard (USCG) could contribute to these efforts.	The USCG budget is only approved for site cleanup purposes, not restoration. However, some maintenance tasks will be included in the project scope for safety reasons during the cleanup. A review process ultimately determines which tasks are approved.	pp. 14 - 17
4	Max Schneider Dave Savage	Ms. Schneider and Mr. Savage questioned whether access to the site would be restricted during the cleanup process. Regular maintenance and restoration activities are ongoing. There are also up to 60 kayakers a day stopping at the site when the weather is good.	For safety reasons, no access to the site will be possible during the cleanup. USCG will consider hiring security to ensure safety. Site work will likely not coincide with the summer tourist season due to bird nesting season.	рр. 19 - 21
5	Doug Hennick Max Schneider Dan Call	Removal of the asbestos from the roof tiles is not currently planned under USCG's cleanup. The roof is damaged and there is concern that inclement weather could cause asbestos-containing tiles to fall to the ground with a potential for contamination.	Asbestos is not considered a hazardous material as long as the roof is functional. Despite the damage, the roof is still considered to be functional; therefore, USCG's funding will not cover asbestos removal. The NWSS is responsible for	pp. 21 - 29

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Comment Number	Commenter Name (s)	Summarized Comment	USCG Response	Location in Meeting Transcript
5 (continued)		There is concern that some areas of the roof have exposed asbestos that has become friable. There are also considerable difficulties for the Northwest Schooner Society (NWSS) to replace the roof given the presence of asbestos and island location.	 maintenance of the building, including protection from weather. POST MEETING UPDATE: Upon further consideration of this concern, removal and replacement of asbestos tiles will be incorporated into the final remedial design. The RI/FFS report text has been updated to reflect this addition. 	
6	Max Schneider	Ms. Schneider questioned whether the sidewalks will be removed from the site?	Sidewalks will be left in place when in good condition and if there is no excavation required. If areas of the sidewalks are considered a safety concern they will be replaced.	рр. 29
7	Max Schneider	Was testing for contamination done around the sidewalks?	Yes, sampling around the sidewalks was performed in the investigation, but not beneath sidewalks. Additional confirmation sampling will be performed after excavation around the sidewalks and other areas to ensure these areas meet the cleanup goals.	рр. 30
8	Max Schneider	Will foundation issues possibly caused by past excavations be fixed?	The cause of the foundation damage is not clear, and the USCG funding will not cover building repairs. Foundation repairs, if necessary, will fall to the NWSS.	pp. 32 - 35
9	Bobby Carson Dave Savage	It would be ideal if the barge for the remedial design activities could also convey roofing material for repairs to be performed by the NWSS. The NWSS has a grant from the state of Washington starting July 1 st for two years that is currently on hold. Coordinating roof repairs with remedial design would help make sure the money can be used effectively.	NWSS should discuss the possibility of coordinating roofing materials transport with the future remediation contractor.	pp. 36 - 37

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Comment Number	Commenter Name (s)	Summarized Comment	USCG Response	Location in Meeting Transcript
10	Max Schneider	Will the underground storage tank between the light station and the PCB area be addressed? It is believed to be an oil tank based on smell.	USCG will examine and address the tank if it is an oil tank. POST MEETING UPDATE: Upon further consideration of this concern, any remaining liquid in the cistern will be removed and disposed offsite. The cistern will then be plugged and filled with cement fill. This revision has been incorporated into the Remedial Design.	pp. 46 - 47
11	Steve Anderson	Will there be another public meeting after the work is completed?	There may be another public-comment period or action memo after the remedial design is in place, but its not part of the requirements for this site. Based on interest, these actions will be considered.	pp. 52 - 53
12	Max Schneider Dan Call	Helicopters sometimes land on the landing pad at the site but take off before they can be identified.	If this is a problem, USCG may be able to help if the tail number, description, date, and time are reported. USCG will look into the status and necessary markings of the landing pad.	54 – 57

Abbreviations and Acronyms:

CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act NWSS: Northwest Schooner Society USCG: United States Coast Guard

PUBLIC MEETING RE REMEDIAL INVESTIGATION AND FOCUSED FEASIBILITY STUDY AT б U.S. COAST GUARD BURROWS ISLAND LIGHT STATION, SKAGIT COUNTY, WASHINGTON FRIDAY, JANUARY 10, 2020 6:00 p.m. THE PUBLIC MEETING was held at the Anacortes Public Library, 1220 10th Street, Anacortes, Washington 98221 on the 10th day of January, 2020, beginning at 6:01 p.m., and public comments ran from 6:10 to 8:00 p.m., before Nor Monroe, Certified Court Reporter for the state of Washington.

1	APPEARANCES
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4	JAMES HALL, U.S. Coast Guard, Project Manager
5	JEFF ZAPPEN, U.S. Coast Guard, Lighthouse Coordinator
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7	PAUL MCCULLOUGH, Arcadis, Engineer of Record
8	JOSH GRAVENMIER, Arcadis, Project Manager
9	MARK ULLERY, Arcadis, Project Engineer
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1 (ANACORTES, WASHINGTON; FRIDAY, JANUARY 10, 2020) 2 (After a presentation by James Hall, public comment began at 6:10 p.m.) 3 4 JAMES HALL: And at this point, I'll open it up for questions or comments. 5 6 Sir. 7 DAN CALL: The maps didn't indicate where the 8 PCB spill occurred, or --9 JAMES HALL: Sure. 10 DAN CALL: -- if they did, I missed it. 11 JOSH GRAVENMIER: Can you state your name, 12 please, and spell it for our --DAN CALL: Dan Call, C-A-L-L. 13 14 JAMES HALL: So that is right in this area 15 right here [indicating]. That red . . . [indiscernible] 16 no, no, no. I'm sorry. It's down here [indicating]. 17 (Simultaneous talking.) 18 JAMES HALL: This is the -- this K section 19 down here, that is the PCB transformer spill. The PCB 20 transformer pad was right in this area [indicating]. 21 When the spill happened, the Coast Guard came in and dug 22 up a lotta soil. I think it was 170 cubic yards at the 23 time. We think they backfilled it with some concrete, 24 based on our sampling effort. That'll be further . . . 25 you know, that'll be further delineated. We -- we found

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1	some residual PCBs. Not a lot. Levels are pretty low.
2	The s the concentration that's acceptable in
3	Washington state right now is one part per million, or
4	one milligram per kilogram. We did have exceedances of
5	that, so that soil will need to be you know, that
6	soil will go off site.
7	DAN CALL: And as a follow-on question, if I
8	may, you mentioned that at the time of the original
9	spill, it was done to the then existing standards
10	JAMES HALL: Yep.
11	DAN CALL: and now you're proposing to do
12	it to the now existing standards. What are can you
13	check your crystal ball and see what might happen in the
14	future in that regard?
15	JAMES HALL: I cannot. I have no idea what
16	the future standard might be. But I will tell you that
17	one part per million is pretty low, and if we get it
18	down to one part per million, it's prob'ly pretty close
19	to zero.
20	MAX SCHNEIDER: Max, M-A-X, Schneider,
21	S-C-H-N-E-I-D-E-R.
22	What you're talking about doing involves some
23	pretty heavy equipment. It also involves being able to
24	move your equipment from the water to the land.
25	JAMES HALL: Right.

1 MAX SCHNEIDER: How are you gonna do that? 2 JAMES HALL: So there's two -- we're -- we're 3 looking at two methods, and it's gonna depend on the --4 the size of the equipment that ends up being needed. We 5 can lift hel- -- we can lift equipment in with a 6 helicopter if we have to, and we can also potentially 7 anchor a crane that can reach onto the island. 8 MAX SCHNEIDER: So I guess my potential 9 question here, with being part of the people that are 10 taking care of this property, is moving that amount of 11 material, even if it's done with a helicopter, is gonna 12 cause considerable damage to how you get on the island; how you get off. Is that written into how -- your 13 14 proposal for what you're gonna do there? 15 JAMES HALL: So we don't intend to impact the 16 landing site as it is right now. As a matter of fact, 17 we'll probably end up having to shore up part of that --18 that landing, 'cause it looks like it's washed out. MAX SCHNEIDER: Last year's storm was very 19 20 severe. 21 JAMES HALL: Yeah. 22 MAX SCHNEIDER: I guess that's my question in 23 a nutshell, is will you, you know, restructure that and -- you know, 'cause getting that soil off of there 24 25 is gonna be interesting.

1 JAMES HALL: S- -- yeah, so we're still 2 developing -- like, that'll be part of the remedial 3 design, is to how -- how we're actually going to 4 implement that. But most likely we'll end up anchoring 5 a bar- -- or -- yeah. There will be an anchor system 6 with a barge somewhere out -- off the side of this 7 island [indicating] --8 MAX SCHNEIDER: Mm-hmm. JAMES HALL: -- and some way soil will get 9 moved on and off. 10 11 But in order to get people on and off the 12 landing up here, which is washed out, will most likely have to be repaired. 13 14 MAX SCHNEIDER: And in this repairing, are you 15 planning on bringing people on and off every day or are 16 they staying over? 17 JAMES HALL: That hasn't been determined yet. 18 That'll be a question for the contractor who's awarded the contract. 19 20 MARK ULLERY: We got a historical site plan 21 [indiscernible]. 22 JAMES HALL: Sure. 23 Sir. 24 DAVE SAVAGE: Dave Savage, S-A-V-A-G-E. Ι 25 represent the Northwest Schooner Society --

1 JAMES HALL: Yes, sir. 2 DAVE SAVAGE: -- and I'm president of it. And 3 we have a license. We're eight years into ten years' 4 worth of license. And we're delighted you're here. 5 JAMES HALL: Happy to hear that. 6 DAVE SAVAGE: I mean, this is -- this is --7 we've been waiting. It's great. And I'm really 8 impressed with the sampling on the island. I mean, you 9 really do know what's there. 10 Okay. So we're all for number four. 11 JAMES HALL: Okay. 12 DAVE SAVAGE: Go get 'em. 13 (Laughter.) 14 DAVE SAVAGE: And what we'd like to see when 15 you're done is that there's no more bare rock than there 16 is now. Because -- for grass. I mean --17 JAMES HALL: Okay. 18 DAVE SAVAGE: -- so we have -- and that the 19 contours are fairly smooth, for kind of a simple reason: 20 that it's tough to mow steep-side hills, and they're all 21 volunteers. 22 JAMES HALL: Under- -- understood. So the --23 the cut where the helicopter pad is now --24 DAVE SAVAGE: Mm-hmm. 25 JAMES HALL: -- we'll probably try to smooth

1 that out. It's gonna d- -- what the final contouring 2 was gonna look like is gonna depend on the future site 3 uses. 4 DAVE SAVAGE: Yeah. 5 JAMES HALL: And we're gonna need to discuss 6 that further when we get to the remedial design. 7 But . . . yeah . . . we -- we understand that, and --8 DAVE SAVAGE: Yeah. 9 JAMES HALL: -- we're gonna work towards that. 10 DAVE SAVAGE: The . . . the helicopter -- the 11 landing pad with the Marston Mat that's in there now, 12 if -- if it could somewhat resemble what it is, a flat 13 area --14 JAMES HALL: We -- we under- --DAVE SAVAGE: -- when we're done --15 16 JAMES HALL: -- -stand the -- the flat area's 17 important to the future use of the property, and we will 18 work towards -- towards making it stay the same. 19 DAVE SAVAGE: Just wanted that in the record, 20 yeah. 21 We're delighted you're here. Thank you. 22 MAX SCHNEIDER: As you were saying -- sorry --23 to finish what I was talking about, where were you planning on putting a barge to offload on? 24 25 JAMES HALL: So we're not sure . . . we're not

1 100 percent sure yet. And some -- and to an extent, 2 that is gonna depend on the company that ends up winning 3 that job. 4 MAX SCHNEIDER: Right. 5 JAMES HALL: But our thought is that they will 6 anchor somewhere in here [indicating], using a -- an 7 anchor system. 8 MAX SCHNEIDER: It's a more feasible spot, 9 because the tides are severe. 10 JAMES HALL: Yes. 11 MAX SCHNEIDER: And trying to do it on the 12 stair side would be. . . . JAMES HALL: I don't think that the stair 13 14 sides is feasible, based on my experience with it. I --I don't think that that's gonna happen. 15 16 DAN CALL: It'll be too shallow on the stair 17 side. 18 JAMES HALL: Yeah. Sir. 19 20 STEVE ANDERSON: Steve Anderson, Northwest 21 Schooner Society. So let's see. Arcadis was the 22 testing company that did the site testing. You 23 mentioned going down a half a foot to three feet. Is --24 has that -- like, the limitation Arcadis was able to go 25 down with their testing tool, or the half-foot down to

three feet is some other. . . . 1 2 JAMES HALL: So -- so the --(Simultaneous talking.) 3 JAMES HALL: -- so either would have hit 4 5 bedrock or they would have hit clean soil. 6 STEVE ANDERSON: Okay. So they dug down as 7 far as they basically could? 8 JAMES HALL: Yes. 9 JOSH GRAVENMIER: We dug down; sampled. If it 10 was contaminated or above the level, then we would go 11 down more, unless --12 (Simultaneous talking.) 13 STEVE ANDERSON: Oh, you did it in steps. 14 JOSH GRAVENMIER: Yes. 15 STEVE ANDERSON: Ah, okay. 16 All right. Second, another -- something 17 slightly different. The place that you mentioned maybe 18 the company -- a company that gets a contract anchor off 19 that one site. They've got that bullwhip sea grass. 20 Apparently that is . . . 21 JAMES HALL: So --22 STEVE ANDERSON: . . . kinda delicate stuff. 23 Only coupla places it grows. [Indiscernible] Natural 24 Resources is gonna have a problem with that. 25 JAMES HALL: So as part of the CERCLA process,

1	we will consult with the the different agencies,
2	state and federal, and in part as part of that
3	consultation, we'll get either best management practices
4	or because it's CERCLA, there are no permits, but
5	we'll essentially have what we'll have consultation
6	in place that covers saving or or destruction. Yeah.
7	MAX SCHNEIDER: Is there a time frame involved
8	with this?
9	JAMES HALL: It
10	(Laughter.)
11	STEVE ANDERSON: Key question.
12	JAMES HALL: It it's a priority. I guess
13	that that's what I would say. I I I it's very
14	hard for me to put times in because there's a lot of
15	factors involved.
16	MAX SCHNEIDER: Right. [Indiscernible] shot
17	in the wind would be given the current situation that's
18	happening with the government, are we gonna get dinged
19	by that or we
20	JAMES HALL: No.
21	MAX SCHNEIDER: well on the roll here?
22	JAMES HALL: No, so so my job is to
23	to clean up properties. The Coast Guard essentially
24	gets the same pot of money every year to do cleanups
25	MAX SCHNEIDER: Mm-hmm.

1 JAMES HALL: -- and this is -- this is prob'ly 2 my highest and -- maybe second highest -- priority 3 cleanup that I -- that I have. So it's -- it's high up 4 on my list of projects to do. 5 Sir. 6 DON MEEHAN: Don Meehan, Lighthouse 7 Environmental Programs. So when it's all said and done, 8 you're replacing soil, and you're comin' back to the 9 level that was traditionally there. Is that correct? 10 JAMES HALL: So I don't know exactly what the 11 grading's gonna look like because -- and I don't have, 12 like -- so I have some historic t- -- topography, but I don't know for sure -- I don't have a hundred percent, 13 14 you know, what that is. But in the past, when they did 15 a previous remediation project in 2005, they dug out a 16 lot around the buildings. 17 DON MEEHAN: Yeah. 18 JAMES HALL: We're gonna replace that. We 19 don't want that negative grade there. 20 DON MEEHAN: Okay. That's what I w- -- and --21 and will you p- -- you know, compact it? 'Cause 22 you're --23 JAMES HALL: So --24 -- gonna go in there and then DON MEEHAN: 25 you're gonna leave.

1 JAMES HALL: So we are probably not going to 2 do, like, 95 percent compaction, because if we do that, 3 grass won't grow. We're gonna compact it to a point 4 where you're not gonna see subsidence, but we don't 5 wanna compact it to a point where you can't get 6 vegetation to grow back. 7 MAX SCHNEIDER: So the other involvement, when 8 you're cleaning up this area, there are quite a few 9 piping systems that are going on out there. 10 JAMES HALL: There are. And so part of what 11 Arcadis did this year was to trace out where those 12 piping systems are. As we dig, we may find other abandoned utilities that didn't show up. At that point, 13 14 we will probably remove them, unless there's a need for 15 them on site. Because it's a potential for 16 recontamination if those pipes aren't clean. 17 DAVE SAVAGE: One of the things we have to do 18 to get this site back functioning, where people can be 19 there, is restore those utilities. So we need at least 20 enough dirt to bury a pipe in and electrical that we --21 electrical from generator and -- since there's no 22 on-site electricity anymore. But -- so when they go 23 back and fill it in, we need to be able to have enough dirt to put utility, either water or electrical, in the 24 soil. 25

1 JAMES HALL: So I guess what I'm gonna say is that we prob'ly are not going to cover more bedrock than 2 3 what is already there. We're also not going to -- to, 4 like, take a -- we're not going to change the depth of 5 soil that's there in -- if we need to bring back -- fill 6 in, we would. We're gonna -- we plan to restore the 7 site as much as we can. 8 MAX SCHNEIDER: My assumption with that 9 restoration is that are you gonna replant grass seed 10 or. . . . JAMES HALL: So we will probably -- for -- for 11 12 erosion reasons, we'll prob'ly wanna come in and hydroseed or -- or try -- we'll try to match the grass 13 14 that's there. We may actually already have that data. We're gonna go back and check our reports. 15 That was one 16 of the things we talked about today. But . . . yeah, we 17 will most likely have to rehydroseed it, because we 18 don't want to have erosion issues during the year that we're [indiscernible]. 19 20 Sir? 21 Yeah, so James, on -- on the --DON MEEHAN: 22 where we come in to the -- to the lighthouse, and the 23 light station, you know, we've got a huge erosion problem there, with that concrete bulkhead that's 24 25 there --

1	JAMES HALL: This one right here [indicating]?
2	DON MEEHAN: Yeah.
3	JAMES HALL: Yeah.
4	DON MEEHAN: Yeah. And so are you guys gonna
5	fix that? I mean
6	(Simultaneous talking.)
7	JAMES HALL: So
8	DON MEEHAN: Here here's the why I'm
9	asking this question is that it's one thing to come in
10	and clean up all the nasty chemicals that have fallen
11	off the building through the years, but it's another
12	thing to think about preservation, and the fact that
13	when you guys are said and done, we really, as a
14	community, we want this facility to to be a shining
15	example of what a light station was. And we recognize
16	that it takes a hell of a lot of volunteer effort to get
17	there. And so I'm always very interested in, okay,
18	well, what capability are you giving us after you leave
19	that would help us to the next step up, to be able to do
20	these things that that need to be done. And as Dave
21	has already pointed out, they've been at it for eight
22	years, and I I can tell you a whole buncha
23	things that could make huge improvements there if and
24	would be very easy for the Coast Guard to actually do
25	those kinds of things. They don't have to do with the

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Ţ	removal of hasty chemicals that are on site. They have
2	to do with fixing structures there that make things work
3	better for the teams that come in later, years later,
4	literally.
5	JAMES HALL: So I understand, and I would love
6	to have the money to do that. Unfortunately, my funding
7	stream that I can use to clean this project up is
8	restricted only to cleaning up. Now, if I have to
9	repair something in the process, to make it safe for
10	people to get on and off, then that can be included in
11	the scope. But I cannot use the money just for for
12	other restoration. I I wish I could. I wish I could
13	go in and clean the entire place up and then restore it
14	all. That funding stream is
15	(Simultaneous talking.)
16	DON MEEHAN: recognize you're not gonna do
17	that. But but like I say, the fixin' fixin'
18	that whole staircase would be a huge huge asset to
19	everybody.
20	JEFF ZAPPEN: And and depending on the
21	scope of work and which contractor gets, they may get
22	there and realize that this isn't safe for their
23	employees, and that may be added to the scope to at
24	least repair from the landing to the boathouse
25	DON MEEHAN: Yeah.

JAMES HALL: Correct. 1 JEFF ZAPPEN: -- that would meet current OSHA 2 3 or --4 (Simultaneous talking.) 5 DON MEEHAN: You know what I'm talking about? 6 JEFF ZAPPEN: I do. I -- absolutely I do. 7 But --8 JAMES HALL: And we've -- we've noted it, as 9 well. 10 JEFF ZAPPEN: Right. 11 JAMES HALL: That . . . when we write a scope 12 of work for things like this, it goes through a review process, and they look and see, like, is this 13 14 appropriate or is it not. Things that I put in are 15 sometimes removed, as they say, even though I think that 16 it's appropriate for the use of funds. Like, it goes 17 through a process. So I -- I don't wanna promise 18 anything. I would say that I feel like it's unsafe and 19 I would want that fixed before I put people going in and 20 outta there. 21 DAVE SAVAGE: Do you think you'll be removing 22 much of the foundation from the officers' quarters? 23 JAMES HALL: We will be removing at least some 24 of it, because it's in the way of the cleanup. 25 DAVE SAVAGE: Yeah.

JAMES HALL: I don't know that we'll be 1 rem- -- I don't know how much of it will be removed. 2 3 JEFF ZAPPEN: You're talking about the OIC quarters that are no longer there? 4 5 JAMES HALL: Yeah. Sir. 6 7 KEN DINSMORE: What's -- what are you gonna do 8 with the helicopter landing pad? 9 JAMES HALL: We'll be removing that. We need 10 to clean up underneath. 11 MAX SCHNEIDER: Are you talking about the 12 materials or. . . 13 (Indiscernible talking.) 14 JEFF ZAPPEN: The metal grating will go away, then they'll remediate underneath it. 15 The -- the 16 purpose of landing a helicopter, at least from the 17 federal government standpoint, is no longer needed. But 18 again, to support the needs of the future, it'll more 19 than likely be left flat. 20 JAMES HALL: Yeah, we're gonna -- we're 21 gonna -- we're gonna leave it flat. 22 JEFF ZAPPEN: So --23 JAMES HALL: We understand that that's a 24 priority. 25 Tents, camping, other JEFF ZAPPEN:

[indiscernible] pavilions --1 2 (Simultaneous talking.) JEFF ZAPPEN: -- weddings [indiscernible] 3 4 still be supported. 5 DON MEEHAN: So how long is this gonna take 6 from the time you guys let your contractors go to work? 7 Do you have a deadline on when you wanna see this done? 8 (Laughter.) 9 DON MEEHAN: I -- I'm sorry. I ask all the 10 hard questions. JAMES HALL: No, no, it's fine. 11 That's 12 what -- that's why here. (Simultaneous talking.) 13 14 JEFF ZAPPEN: It's not a hard question. It's 15 a flexible answer. 16 JAMES HALL: Yes. So -- so, I mean, ideally, 17 we wanna see it happen as fast as possible. In realty, 18 I just can't give an answer as to, like, how long 19 it'll -- how long it'll -- how long the work will 20 actually take and how long it'll take to get to the point where the work is -- is . . . you know --21 22 (Simultaneous talking.) 23 MAX SCHNEIDER: I guess my only other question 24 about it would be: When you're in the midst of doing 25 all this, can we still continue on our projects?

1 JAMES HALL: No. When we start the work on 2 this, we will have to restrict access to the island. So 3 because of the lead contaminants and the PCBs, and also 4 just because the heavy equipment moving around, it just 5 isn't safe. DAVE SAVAGE: Currently we work, with good 6 7 weather, year-round, but really from May to September is 8 the active work season. Also during that time we can 9 have up to 60 kayaks show up on a day. 10 (Simultaneous talking.) 11 DAVE SAVAGE: On the weekends in the summer. 12 So there's a lot -- actually a lotta traffic for this 13 place. 14 MAX SCHNEIDER: There's a ton of traffic, and 15 we started installing game cameras to make sure that 16 people are on and off and not living there and things 17 like that. And there is a ton of traffic. So in 18 getting certain entities to cooperate with you in the 19 sense that they shouldn't go on the island. . . . 20 JAMES HALL: It -- it may come to the point 21 where we have to hire security. We've had -- I've had 22 to do that at other sites. Hopefully it doesn't come to 23 And it may be that the -- our -- really our work that. 24 window for this is outs- -- is -- is in -- outside of 25 nesting season, so I think it'll likely begin in August

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1	is the earliest that we can start work. So it may be
2	that we that the work window the way the work
3	window lines up is that we avoid, you know, that that
4	time of year.
5	(Simultaneous talking.)
6	UNIDENTIFIED MAN: Nesting of what?
7	JAMES HALL: Eagles.
8	JEFF ZAPPEN: And so even though it's a CERCLA
9	process, we're still worried about the Migratory Bird
10	Act; the Marine Mammal Protection Act; the murrelet; the
11	puffin.
12	JAMES HALL: Yeah. It's a cleanup project,
13	and we don't get permits, but we still follow all of the
14	same regulations and laws and rules. It's just a
15	slightly different process.
16	JEFF ZAPPEN: The world of work for most of
17	our ATON and lighthouse work is August to October.
18	Every year.
19	DOUG HENNICK: I'm Doug Hennick,
20	H-E-N-N-I-C-K. Can you explain why Coast Guard doesn't
21	have to handle the asbestos problem out there?
22	JAMES HALL: So the asbestos problem is
23	because it's inside the building. And so for my
24	projects, I am not allowed to using of the funding
25	stream that I have available, I'm not allowed to clean

up anything that is inside the building. 1 2 (Simultaneous talking.) DAVE SAVAGE: The tiles on the roof are 3 4 asbestos. 5 JAMES HALL: So the tiles on the roof are 6 asbestos. That becomes a little trickier. So --DAVE SAVAGE: Asbestos; reinforced concrete. 7 JAMES HALL: Right. And so that asbestos, 8 9 because it's encased, and as long as it's on the roof, it's preserving its function. If it falls off the roof, 10 11 then we can clean it up. 12 MAX SCHNEIDER: So I guess the question at this point about the roofing would be that there's been 13 14 considerable damage because of the weather. 15 JAMES HALL: Okay. 16 MAX SCHNEIDER: So . . . you know . . . if 17 it's not removed, it's gonna contaminate again. 18 JEFF ZAPPEN: James. 19 JAMES HALL: Yes. 20 JEFF ZAPPEN: So just -- just carefully review 21 License states that the Northwest your license. 22 Schooner Society is gonna ensure that the weather 23 envelope is there. So if we were to go in and remove, let's say, hap- -- we slip, we fell, a hundred asbestos 24 25 tiles slipped, and now you don't have a roof, that's

gonna fall on you to fix. 1 2 So what James is saying is currently . . . 3 70 percent of the tiles are in place; 80 percent; 90. 4 I -- I know there's pieces on the ground. But you have 5 a fairly intact roof on that one side. We're not gonna 6 remove, because it's doing its job. And our money --7 you said the current government budget. We're actually 8 doing pretty good, but as James pointed out, it's very 9 strict and very -- the protocols are ridiculous on what 10 we can spend our money on. 11 MAX SCHNEIDER: I understand what you're 12 saying, but to be very clear about it, that we have done repairs on that roof in order for it to s- -- be 13 14 working --15 JEFF ZAPPEN: Right. 16 MAX SCHNEIDER: -- and a roof --17 (Simultaneous talking.) JEFF ZAPPEN: And that's part of your license, 18 19 though . . . 20 MAX SCHNEIDER: I understand that. 21 JEFF ZAPPEN: . . . to do that. 22 MAX SCHNEIDER: But we're talking about 23 tarping and putting boards up and that sort of thing 24 instead of building a roof. 25 JEFF ZAPPEN: And at some point, I imagine,

1 like Mukilteo, Patos, Dungeness, you're prob'ly gonna end up replacing those roofs. 2 3 MAX SCHNEIDER: And I agree with that 4 full-heartily. But no, we're not like any of those 5 lighthouses. Everything we do is on an island. It's 6 very, very hard to get equipment out there. 7 JEFF ZAPPEN: I agree. 8 MAX SCHNEIDER: It's very, very hard to get 9 things on and off. 10 JEFF ZAPPEN: I -- I hear you. Trust me. 14 11 lighthouses fall under my office. 12 MAX SCHNEIDER: I understand that --JEFF ZAPPEN: You are --13 14 MAX SCHNEIDER: -- sir. JEFF ZAPPEN: -- an island, but so is Patos. 15 16 MAX SCHNEIDER: What I'm trying to explain at 17 this particular point is that there have been stop gaps done in order for it to be a roof. It's not a whole and 18 19 healthy roof --20 JEFF ZAPPEN: Agreed. 21 MAX SCHNEIDER: -- the respect that you're 22 talking about it. And all's it takes is another 23 windstorm, all's it takes is another wind --24 JEFF ZAPPEN: Mm-hmm. MAX SCHNEIDER: -- to blow all those onto the 25

1 And I -- at this particular point, as far as I ground. 2 understand, we're prepared to put a new roof on that. 3 JEFF ZAPPEN: Right. 4 MAX SCHNEIDER: We're not prepared to take 5 every single piece off that's contaminated, because 6 we're not really allowed to do that. So we're kinda in 7 a sticky wicket. 8 JEFF ZAPPEN: It's a unique site. Absolutely. 9 It is a unique site. 10 MAX SCHNEIDER: And, you know, if we keep that 11 And sort of thing in mind, that would be great. 12 considering that you're considering helicopters, a lotta that roof's gonna not exist. 13 14 JAMES HALL: Okay. Well, I mean, we can keep 15 that in mind and -- yeah. 16 MAX SCHNEIDER: Thank you. 17 DON MEEHAN: Did anybody mention how James? 18 much we appreciate you doin' this? 19 (Laughter.) 20 JAMES HALL: Well, I'm happy to be doing it. 21 MAX SCHNEIDER: Can it look like that when 22 we're done? 23 (Indiscernible talking.) 24 DON MEEHAN: -- we have some of that on the 25 island?

1 JEFF ZAPPEN: Unfortunately, that's not 2 indigenous to the island, so we can't bring that in. 3 (Simultaneous talking.) 4 JEFF ZAPPEN: The State won't allow that. 5 Woops. Go ahead, sir. DAN CALL: So I think I understood the 6 7 discussion that just went on about the roof, but that 8 means that you are abandoning in place hazardous 9 materials. Is that --10 JAMES HALL: So --11 DAN CALL: -- correct? 12 JAMES HALL: -- asbestos is an interesting substance in that it isn't a hazardous material as long 13 14 as it's performing the job that it's supposed to do. So if the tile falls off the roof, at that point it's a 15 16 waste and I can dispose of it. As long as it's on the 17 roof, I cannot touch it. 18 DAN CALL: But . . . but isn't that material 19 being weathered, and isn't it being exposed by 20 continuing to be on the building? Or are you saying 21 that if you walked away from it and nobody touched it, 22 ten years from now there wouldn't be any free asbestos 23 anywhere? 24 JAMES HALL: I'm not saying that. 25 (Laughter.)

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1	DAN CALL: I didn't think you were. I'm just
2	trying to get you to
3	JAMES HALL: I I can only clean up
4	hazardous materials that are that have been released
5	to the environment. I guess that's I I know I
6	know that is not the answer everybody wants, and I wish
7	I could give you the answer that I would like to give
8	you, but I I just can't. I mean, that's my
9	funding source will not cover me removing anything from
10	the roof or disposing of the tiles. I I
11	they'll I can we will clean up the tiles that are
12	on the ground, because that's been released to the
13	environment at that point, but I cannot clean up the
14	tiles that are on the roof.
15	DAN CALL: So if by some mysterious process a
16	bunch of those tiles ended up on the ground, you'd haul
17	'em away?
18	MAX SCHNEIDER: No. No.
19	(Laughter.)
20	(Simultaneous talking.)
21	BOBBY CARLSON: Don't put that in the
22	transcript.
23	(Indiscernible talking.)
24	DAN CALL: And let me clear: I'm not a member
25	of this society or

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1	(Laughter.)
2	MAX SCHNEIDER: Oh, this is
3	(Simultaneous talking.)
4	DAN CALL: I'm an Anacortes resident, not a
5	DON MEEHAN: James, do you do you have a
6	ballpark figure on what estimate this is gonna cost?
7	JAMES HALL: A million dollars.
8	DON MEEHAN: A million? That's all?
9	JAMES HALL: As a nice, round number.
10	DON MEEHAN: Yeah. Thank you.
11	DAN CALL: For sure.
12	DON MEEHAN: Thank you, taxpayer.
13	JAMES HALL: Is that
14	JOSH GRAVENMIER: I I think the only thing
15	I would mention is that asbestos, when it was installed,
16	and now that it's been there, gets kinda grandfathered
17	in. It's still encapsulated. It's only when it becomes
18	friable when when it becomes a hazardous waste. So
19	if you're gonna remove a piping that has asbestos on it,
20	you have to treat it as hazardous waste. But the piping
21	itself that has asbestos insulation on it can remain in
22	place and be fine. It's only when it becomes friable
23	that it is actually a waste or hazard.
24	JAMES HALL: When it when it gets disturbed
25	or when the fibers go into the soil, if, you know, you

1 the soil and there's fibers in there, that -- that 2 becomes a waste. But, yeah, as long as it's encased in the concrete, it's -- it's not --3 4 MAX SCHNEIDER: This is --5 JAMES HALL: -- friable. MAX SCHNEIDER: This is the 6 7 point [indiscernible]. I guess it's the point that 8 everybody's driving home time and time again is the fact 9 that it is. 10 JAMES HALL: Asbestos. MAX SCHNEIDER: It's been flying in the 11 12 breeze. 13 JAMES HALL: Oh. Okay. 14 MAX SCHNEIDER: So it's not encapsulated in 15 what -- any way, shape, or form. I have a HAZWOPER 16 myself, and I know exactly what to do with the stuff and 17 exactly what not to do with it, and it's at that point. 18 JAMES HALL: Okay. 19 DOUG HENNICK: Doug Hennick again. Are you gonna pour a new concrete sidewalk around that building 20 21 out there? 22 JAMES HALL: So no, we're not going to pour a 23 new concrete sidewalk around the building. I know the 24 sidewalk's been brought up. And the portions of the 25 sidewalk that are in poor condition, we'll -- we'll

1	remove that. There's a lotta sidewalk out there that
2	seems to be in in relatively decent condition
3	DAVE SAVAGE: Yes.
4	JAMES HALL: and we wouldn't want to remove
5	that. As a matter of fact, I think that it might be
6	historical, and so that would become kind of a problem
7	for us to remove. And it's unlikely to be contaminated
8	underneath. You know, it's prob'ly been there, frankly,
9	since the contamination started. Same with some of the
10	other foundations around. We'll likely clean up around
11	them, but we don't wanna remove, you know, other
12	foundations that are in good shape. If if it's
13	shattered and broken and it's in the way and it's you
14	know, there's contamination underneath it, we're gonna
15	clean that up.
16	DOUG HENNICK: Okay. And then so you'll just
17	leave grass in its place if you take it away?
18	JAMES HALL: Yeah.
19	MAX SCHNEIDER: That would be a curious
20	question. When you were testing, did you test around
21	the cracks in the sidewalks or pieces that were
22	missing or
23	JOSH GRAVENMIER: You were the one collecting
24	most of the samples.
25	MARK ULLERY: We collected samples close

1 within the concrete, both inside and outside, around the 2 duplex specifically, and we collected composite samples that were representative of that area around the duplex, 3 4 and included the sidewalk. 5 JAMES HALL: When we -- when we do the 6 remediation, there's gonna be confirmation sampling 7 that's done, and so when they dig down, they'll, 8 you know -- they'll sample along that sidewalk. 9 MAX SCHNEIDER: Thank you [indiscernible]. 10 DAVE SAVAGE: A detail. The 102 up here 11 that's the coal-oil storage shed for the lighthouse at 12 one time, and there's contamination around it, are you likely to remove that foundation or not? Be the same 13 14 answer as it's been there for so long that . . . that it's in terrible shape, but I'm not sure it'd be 15 16 reusable, but. . . 17 JAMES HALL: So if it's in terrible shape, you 18 know, if it's cracked and crumbling and there's contamination underneath of it, it'll be removed. 19 Ιf it's -- you know. If there's a good reason to leave it, 20 21 we -- we can certainly discuss it. DAVE SAVAGE: Well, at some point that 22 23 structure will be replaced. JAMES HALL: Okay. 24 25 DAVE SAVAGE: And if the foundation is usable

or repairable, we should keep what's there. 1 2 JAMES HALL: And we feel the same way. Ι mean, if there's a repairable in -- if in -- if there's 3 4 a repairable foundation that's in good condition and it 5 can be reused, we're open to leaving than in place. DAVE SAVAGE: And then on the foundation of 6 7 the main quarters building, there's a lotta paint 8 peeling off of it, especially at the interface where the 9 soil was at one time. 10 JAMES HALL: Right. 11 And so do you peel off that --DAVE SAVAGE: 12 the loose stuff and then repaint that? Or what's --JAMES HALL: So the areas on the -- the areas 13 14 on the -- the buildings that have peeling paint that the -- either the encapsulation has failed or it wasn't 15 16 encapsulated in the previous project, those will be 17 re-encapsulated, and in some cases it'll have to be 18 scraped off. But we're not going to leave the site in a 19 manner where it's gonna be recontaminated with flaking lead paint. 20 21 I've only been around -- I just DAN CALL: 22 moved here a couple years ago, so what went on 23 historically I'm clueless about. But I notice that some of the areas that I now understand you removed soil at 24 25 some point, there are cracks in the foundation of the
structure that I don't know if those resulted from the 1 2 removal of the lateral support to the structure or if it 3 was something else. Where does that fit into your 4 plans? 5 JAMES HALL: So I can't repair it. I wish 6 that they hadn't done that. 7 (Laughter.) 8 JAMES HALL: I'm going to put the soil back so 9 that it doesn't -- you know, so it has the lateral 10 support there and so that we don't have water, you know, 11 washing into the building. 12 MAX SCHNEIDER: So we don't really have anywhere to go with that, do we? 13 14 JAMES HALL: With. . . 15 MAX SCHNEIDER: The damage that was caused 16 because of that remedial. 17 JAMES HALL: No. I -- not that -- there's 18 nothing -- I -- I can't -- I can't do anything about that. 'Cause I can't even -- I can't even be sure that 19 20 that is the cause of that. So. . . . 21 MAX SCHNEIDER: Is there anywhere to go with 22 that or no? 23 JEFF ZAPPEN: Again, if you've read the 24 license, there's other -- I know you're unique. I know 25 you're an island. But this is the responsibility of

1	the of the licensee, to to assume the
2	responsibility of this. The Lighthouse Society U.S.
3	Lighthouse Society [indiscernible] Point Wilson, which
4	includes the riprap and sea wall. The last time the
5	Coast Guard fixed that was \$1.8 million. And I realize
6	accessibility's a lot easier, and the U.S. Lighthouse
7	Society's a much bigger organization, but that's a huge
8	take for a licensee to to assume. So there's a lot
9	of the stuff falls on the the individuals or the
10	agency that takes responsibility of the structure within
11	that government contract.
12	(Simultaneous talking.)
13	MAX SCHNEIDER: I have no confusion about the
14	responsibility, and I have no confusion about the
15	expense of it and the damage that's been done. What I
16	do have confusion about is that it was done by another
17	company, another agency, that was supposedly cleaning up
18	this site. So
19	(Simultaneous talking.)
20	JEFF ZAPPEN: I don't know we actually know
21	for a fact that that was a cause of the cracked
22	foundation. Do we?
23	MAX SCHNEIDER: Oh, it's structural. You can
24	look at it and you know right off that that's what
25	happened. I retired from construction.

1 You retired from house building. There's more than one person that's been out 2 3 there inspecting it, and it's very apparent that that's 4 what happened. 5 JEFF ZAPPEN: Well, it's -- that'd be another 6 funding stream outside of what James has with this 7 project. 8 MAX SCHNEIDER: Okay, James. It's all right. 9 (Laughter.) 10 JAMES HALL: Again, you know, I mean, I wish I I just -- that -- I just --11 could. 12 MAX SCHNEIDER: It's just to make it clear at 13 this point because, as you know, we've waited a long 14 time. You're our favorite son right now. 15 (Laughter.) 16 JAMES HALL: Sir. 17 STEVE ANDERSON: Steve Anderson. So 106 that 18 was on there, that's the old pump house. But is there 19 any plans of some involvement or work being done on 20 that? Was that -- is. . . 21 (Simultaneous talking.) 22 JAMES HALL: 106 way up there? No. That was 23 clean, and so we don't -- we're not touching that. 24 STEVE ANDERSON: Okay. 25 DON MEEHAN: Fixing the old crane there would

really be a help to the new contractor coming in. 1 2 (Laughter.) (Simultaneous talking.) 3 4 DON MEEHAN: I'm pretty sure. 5 JAMES HALL: So I'm gonna tell you, we -- we 6 actually did consider it. 7 DON MEEHAN: Did you? 8 JAMES HALL: Mark looked into it. But it is not a viable solution for us to use to remove soil on 9 10 and off the island. 11 Oh. Well. But there's other DON MEEHAN: 12 things you're [indiscernible]. . . . (Laughter.) 13 14 MAX SCHNEIDER: [Indiscernible.] DON MEEHAN: You should think about it. 15 16 BOBBY CARLSON: Your contractor is bringing 17 out a barge of some sort? 18 JAMES HALL: So we don't know yet. But yes. 19 It -- we suspect that that's how --20 (Simultaneous talking.) 21 BOBBY CARLSON: Some kind of conveyance. 22 JAMES HALL: Yeah. 23 BOBBY CARLSON: All right. Is there any way 24 that . . . we can hitch a ride on it? And what I'm 25 getting at is at some point we're gonna need to redo the

1 roof on the dwelling. We need to be able to take a lot 2 of roofing material out to the island. I can't speak to that at this 3 JAMES HALL: 4 point. It's I guess what I'm gonna say. DAVE SAVAGE: We would talk to the contractor 5 at the time. 6 7 JAMES HALL: Yeah. 8 DAVE SAVAGE: We have a grant from the State 9 for -- I think it nets out about 79,000, a two-to-one matching grant, that is on -- was supposed to start the 10 11 1st of July for two years, and is currently on hold, and 12 we'd love you -- to have you get right to this so that 13 we can capture that money. 14 JAMES HALL: Understood. 15 DAVE SAVAGE: First chance you get. You know 16 that, but. . . 17 JAMES HALL: I do. I do. 18 MAX SCHNEIDER: [Indiscernible.] 19 DAN CALL: My comments have been perhaps a bit critical of what damage has been done by previous work, 20 21 but let me also say that I hugely appreciate that you're 22 proposing to do what you're proposing to do. I'm just 23 trying to make sure that there's no -- no way to 24 hitchhike some of these other environmental problems on 25 top of what you're trying to do, so that --

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1	JAMES HALL: Understood.
2	DAN CALL: it all gets taken care of.
3	JAMES HALL: Yes, sir. Understood.
4	MAX SCHNEIDER: So the the pump house, the
5	106, there was sampling done there or
6	JAMES HALL: Yep.
7	MAX SCHNEIDER: Somebody else has already done
8	it and you did look at it
9	(Simultaneous talking.)
10	JAMES HALL: We sampled it. Yep.
11	MAX SCHNEIDER: That's interesting that there
12	was nothing found there.
13	JAMES HALL: Yeah, it was surprising, but
14	yeah. Nothing was found. So we used an ISM
15	technique, which is where we collect a whole bunch of
16	increments, and it kinda gives a good average
17	concentration of the soil across lead I I mean,
18	you might might know, but lead is metals in soil
19	tend to be really heterogeneous. I mean, it's you
20	can take a sample here and it can be a thousand and you
21	can take one here and it can be zero. So this gives us
22	a better understanding of what the contaminants actually
23	are around instead of, you know, it being luck.
24	MAX SCHNEIDER: I guess my only tangent that I
25	would be that there's a a well next to it.

1 JAMES HALL: Right. 2 MAX SCHNEIDER: Was that tested, also? 3 JOSH GRAVENMIER: There were three sample 4 points around there. So --5 (Simultaneous talking.) 6 JOSH GRAVENMIER: -- in addition to the composites, we also had individual readings, and so the 7 8 results that were shown on both [indiscernible] the 9 composites, which can average things out, but also 10 individual points, which the remediation footprint was 11 based on the worst case of all those situations. 12 JAMES HALL: Yeah, so -- so we -- we took a lot of XRF points before we -- to -- to develop the 13 14 decision units for the ISM sampling. [Indiscernible.] 15 MAX SCHNEIDER: 16 JAMES HALL: Yeah. And -- and so that was 17 how -- and when we looked at what the remediation 18 footprint is, we took into account the discrete XRF 19 samples, as well. 20 DON MEEHAN: Where can we find this -- these 21 documents that you've been showing? 22 (Simultaneous talking.) 23 JAMES HALL: In the library. 24 DON MEEHAN: Do you have 'em on the Web or 25 any -- anyplace?

1 JOSH GRAVENMIER: Didn't we send them to 2 Kitty? 3 DAVE SAVAGE: Kitty has a copy. I have a copy of it. 4 5 (Simultaneous talking.) 6 DAVE SAVAGE: I- -- I've forgotten. It's, 7 like, 486 pages. It's -- it's huge. But a lot -- the 8 last bit is -- are field notes s- -- which b- -- the 9 initial part, the summary of it, based on this mass of 10 field notes. So it -- it's actually about 150 pages of 11 reading. It's --12 (Simultaneous talking.) PAUL MCCULLOUGH: Yeah, it's -- if you were to 13 14 print it out, it's yea thick [indicating]. 15 (Simultaneous talking.) 16 PAUL MCCULLOUGH: Like they were saying, most 17 of it is -- you know, there's a lot of appendices, lab 18 reports, stuff like that --19 JAMES HALL: You're welcome to email me and I can send -- I can arrange to have it sent to you 20 21 electronically. 22 DON MEEHAN: Okay. As a PDF. 23 JAMES HALL: Yeah, yeah. DON MEEHAN: Excellent. 24 25 PAUL MCCULLOUGH: Too big to email sometimes,

1 so you gotta have a --2 (Simultaneous talking.) JAMES HALL: It may be too big to email, and 3 4 if it is, then I have a file-share program that I can 5 It's called DoD Safe. It looks strange when I use. 6 send it, but it -- it works. 7 MAX SCHNEIDER: Do you have any questions the 8 other way, James, or no? 9 JAMES HALL: I don't right now, not at -- not 10 for this meeting. But we will, you know, obviously be 11 talking to the Schooner Society and -- yeah, as we move 12 forward. 13 JOSH GRAVENMIER: Maybe --14 MAX SCHNEIDER: We have had divers down there, so if there's any question about sea life and what 15 16 critters live there, we can tell you. We actually have 17 photographs, also. 18 JAMES HALL: That information would be 19 helpful. 20 JOSH GRAVENMIER: Probably good to mention the 21 schedule of this project as we transition to the next 22 project that they're asking about. 23 JAMES HALL: Sure. So -- so why don't you 24 actually speak to that. 25 JOSH GRAVENMIER: Okay. So this is just the

1	remedial investigation focused feasibility study. We're
2	getting your comments. We're gonna incorporate them
3	into the document as an additional appendix. And then
4	from that we're going to take our preferred alternative,
5	option four which everyone is in agreement with;
6	right? and then develop the remedial design. So
7	basically the footprint of how that that's going to
8	happen. And that will be the basis of how Coast Guard
9	takes and creates their request for proposal for
10	contractor to then get the contractor on board. Right.
11	And so each one of these has steps and processes.
12	So when you're asking about how long is it
13	gonna take, we're not even at that point yet of talking
14	about the contractor. Right. We're still here's
15	what we proposed, then we're gonna get to the next step
16	with the design, then we're gonna get to the contract,
17	then we're gonna let [ph] the contract, and however long
18	it gets through that process. Right. Take a little
19	while.
20	DON MEEHAN: Which is to say if the work
21	period is August through October, we could be talkin'
22	2021.
23	JAMES HALL: We could be.
24	DON MEEHAN: Yeah. Yeah. This is federal.
25	JAMES HALL: It's federal.

1 DON MEEHAN: Maybe '23. 2 (Laughter.) 3 Hopefully before that. JAMES HALL: 4 MAX SCHNEIDER: You said that out loud. IJh. 5 DON MEEHAN: Well, this is really important, because they have a lotta work to do on that building, 6 to keep it from deteriorating, and so being able to --7 8 having to shut down this year . . . 9 JAMES HALL: Yeah. DON MEEHAN: . . . you know, I mean, that's 10 11 They should be fixin' the roof, you know, problematic. 12 if they possibly can. JAMES HALL: Understood. And -- and we're 13 14 happy to -- to engage. You know, we wanna engage with 15 you guys. We're -- we're happy to answer questions; 16 phone calls. Yeah. And as we move forward with the 17 schedule, we'll g- -- we'll -- we'll provide updates. 18 What Josh described is -- is essentially the 19 Once I have the remedial design, it's process. 20 delivered to me, and it goes through, you know, all the 21 comments, everything, then I'll write a scope of work 22 for that. Prob'ly actually end up having to write two 23 scopes of work because the way the contracting's gonna 24 work, I think. And then from there I'll have to get 25 funding for it. And then once I have the funding in

1	place, we can put it out to bid. And I don't get to
2	decide how that goes, so whatever contract mechanism the
3	contracting officer decides to use will determine the
4	amount of time that that takes.
5	MAX SCHNEIDER: There's a lot of things
6	pushing us along that we're all overachievers. Very
7	good points were made about the roof and everything
8	else. But we also need to consider the weather cycle
9	that we have, 'cause we're starting to get into that bad
10	part of it. So.
11	JAMES HALL: Yeah.
12	MAX SCHNEIDER: It's gonna be hard.
13	DAVE SAVAGE: You would not wanna be out there
14	tonight.
15	MAX SCHNEIDER: [Indiscernible.]
16	DAVE SAVAGE: Or have a barge tied up there.
17	MAX SCHNEIDER: It could go bad really
18	quickly.
19	JAMES HALL: Yeah. I mean, and that is
20	something that we do understand. W when the work is
21	awarded, I mean, that'll be one of the things we have to
22	look at, is what what is the time frame we're gonna
23	work work in. And the other part of it is that
24	there's also agency consultations that have to happen,
25	and so they may we already know, based on we

1 already know that to do the work on the land, we have to 2 do it between a certain time frame. But when we start talking about putting barges in the water, then it's 3 4 possible we'll have another time window that we have to 5 meet. They may not overlap, which then we have to work 6 through how -- how is that gonna play out. 7 MAX SCHNEIDER: [Indiscernible] quite a bit 8 because they changed the traffic speeds there, but you'd 9 be shocked at how much wave action you get just from 10 traffic that goes through there. 11 JAMES HALL: Yeah. 12 MAX SCHNEIDER: And it's large. It's not small. 13 14 JAMES HALL: Yep. We -- so I -- I have done a 15 lotta work in the Bay Area. And actually, Josh does a 16 ton of work in the Bay Area, doing dredging. And so yeah, we --17 18 MAX SCHNEIDER: [Indiscernible.] 19 JAMES HALL: Yeah. Yep. We get a big tanker 20 that goes by and. . . . 21 DON MEEHAN: Do you guys interact with U.S. 22 Army Corps Engineers? 'Cause seems to me they do all 23 this shoreline stuff for United States and. . . . 24 JAMES HALL: So we do. The Army Corps of 25 Engineers does a ton of dredging work. But when it

comes to projects like these, they might help us out in 1 2 some way, like if they happen to have a ship in the area and we need something dropped off, they will sometimes 3 4 be willing to accommodate us on that, but it's really 5 unpredictable. DAN CALL: Do you have any sense of the extent 6 7 or nature of uptake of the contaminants into the 8 vegetation that's grown on the site since the 9 Coast Guard moved onto it? Like, a lotta trees and stuff that aren't in the early pictures that are -- I've 10 11 seen. 12 JAMES HALL: So we did not do an actual risk assessment for this site to -- to look at that. 13 14 Typically lead from paint is not super soluble, so it's 15 probably unlikely that there's a lot of uptake. But 16 that being said, that's kind of a generality. We did 17 not do a study on that for this site. And I don't think 18 that there's any, like, fruit trees growing in the --19 the area, so it's not something we're super concerned 20 about. 21 [Indiscernible.] MAX SCHNEIDER: What about the PCBs on the south 22 DAN CALL: 23 side of the structure --24 (Simultaneous talking.) 25 JAMES HALL: We'll -- we'll be removing the

1	vegetation that's growing in that area. But yeah, once
2	that's removed, like PCBs, because there's no
3	groundwater, it's not probably super mobile, it's not
4	really a it's not really volatile. And as long as
5	I mean, we we found a pretty good footprint for where
6	it was at, so I don't think it's migrated very far, so
7	it's unlikely that, you know, once it's removed that
8	there would be any further impacts from that.
9	MAX SCHNEIDER: So there's a tank inside the
10	lighthouse itself, underneath the floor.
11	JAMES HALL: That we will look at.
12	DAVE SAVAGE: I think it overlaps
13	outside/inside. It's a cistern.
14	JAMES HALL: So if it's a cistern, I can't
15	touch it. If it's oil tank or a fuel tank
16	MAX SCHNEIDER: It's oil.
17	JAMES HALL: then I can
18	It's oil?
19	MAX SCHNEIDER: You can smell it.
20	JAMES HALL: Okay.
21	MAX SCHNEIDER: And there are [indiscernible]
22	plates that came off of it that have since rusted and
23	broken off and
24	JAMES HALL: Okay. That that we can
25	address.

1	MAX SCHNEIDER: I'd say it's time for beer,
2	but it should be doughnuts and coffee; right?
3	JOSH GRAVENMIER: We have two new
4	participants, too. You guys have come in late.
5	I don't know if you wanna rehash everything.
6	(Laughter.)
7	JAMES HALL: Are you gentlemen aware of the
8	project?
9	LARRY BECKER: I wasn't.
10	(Simultaneous talking.)
11	KEN REINEBACH: Curious about what was going
12	on.
13	JAMES HALL: Sure. So we're doing a
14	remediation project on Burrows Island for the former
15	light station, and this meeting is really just for
16	people that have answer questions. It was mostly
17	lead, and some PCBs from a former spill, and some
18	petroleum impacts. And our plan is to remove the the
19	impacted soil and clean up the site.
20	I'm happy to take any questions or comments
21	or
22	KEN REINEBACH: You mentioned lead. Is it,
23	like, a lead-based paint?
24	JAMES HALL: Yeah, it's from lead-based paint.
25	LARRY BECKER: Who's gonna be payin' for it?

1 JAMES HALL: The Coast Guard. 2 JOSH GRAVENMIER: We have a stenographer who's 3 recording our comments. Can you provide her with your 4 names, please? 5 LARRY BECKER: Sure. Larry Becker. KEN REINEBACH: Ken Reinebach. So how is the 6 7 lead paint being remediated? 8 JAMES HALL: So we intend to dig it up and 9 remove it from the island. Take it to a landfill. 10 KEN REINEBACH: Okay. So it's just . . . it's 11 just dust from -- from removing it or. . . 12 JAMES HALL: So over the years -- the lighthouse was established in 1906, and so over the 13 14 years it was painted over and over, and the -- as the --15 you know, it's -- it's weathered, and as it falls off, 16 the lead flakes off into the soil, it weathers and 17 deteriorates, and it can actually go down into the soil. 18 So our impacts were from half a foot to three feet deep. 19 KEN REINEBACH: So where is the -- the impact 20 from lead in the soil there? I mean, why couldn't you 21 just put another coat of paint on the existing lead 22 paint? 23 JAMES HALL: Well, we can't do that because 24 the lead is actually in the soil, all around the 25 buildings.

-	
1	KEN REINEBACH: Well, unless
2	(Simultaneous talking.)
3	KEN REINEBACH: [indiscernible] gardening
4	in the soil or eating the dirt, there's no exposure,
5	so what's the point? Is what I'm saying.
6	JAMES HALL: Well well, the the exposure
7	is to the folks that are gonna restore the island, and
8	potentially have caretakers out there for up to six
9	months out of the year. So at that point we need to
10	worry about, you know, people being exposed to the soil.
11	And also for any visitors that visit the site.
12	KEN REINEBACH: Uh-huh.
13	JAMES HALL: So we wanna make sure that when
14	we leave it, it's clean.
15	Also, because we're a federal agency, when we
16	have a property that's contaminated, in order to divest
17	of it, we have to meet certain requirements under
18	CERCLA. And so we have to sign off that it's we
19	either have to sign off that it's clean or we have to
20	put in institutional controls in place.
21	DON MEEHAN: James, are you satisfied that you
22	have not had a riot tonight and that your preferred
23	option is is good to go?
24	JAMES HALL: I think I am.
25	(Simultaneous talking.)

1 JAMES HALL: The comment period is open for a 2 while longer, so --3 Are there questions that we DON MEEHAN: 4 shoulda asked that we weren't smart enough to ask that 5 woulda scared 'ya that you can tell us what those are 6 right now? 7 JAMES HALL: No, actually, I've been really 8 pleased with the way the investigation went. I feel 9 like we have a really good product and a really thorough 10 analysis. 11 If you come up with JOSH GRAVENMIER: 12 additional questions after today's meeting, you can submit 'em to James via email up to February 5th. 13 So. 14 There's still plenty of time if other things come to mind. 15 16 JAMES HALL: So what I would say, too, you can 17 submit questions to me at any time. Up to February 18 5th they'll be included in the appendix [indiscernible]. 19 20 DON MEEHAN: Do we have your contact 21 information anywhere? 22 JAMES HALL: It is in the public notice, and I 23 can give it to you now if you'd like it. 24 DON MEEHAN: Sure. 25 So my email address is JAMES HALL:

1	james.c.hall, H-A-L-L, 2, the number 2, @uscg.mil,
2	M-I-L.
3	Yes.
4	STEVE ANDERSON: Yeah, Steve Anderson. So I
5	don't know if would it be standard procedure for you
6	to have another public meeting like this after
7	everything is said and done, even after the sample
8	testing is all finished, to say, "Hey, we've already
9	done all this"? Maybe not as long of a meeting and
10	what's going on now. I'm just curious. I don't know
11	what the procedure is.
12	JAMES HALL: So we may open another k
13	public-comment period after we have a design in place.
14	We may issue an action memo. At this point I I am
15	not certain that we're going to do that. 'Cause this
16	isn't an NPL site, we're not required to do much more
17	beyond this meeting. But if there's interest and
18	and and everybody feels that it's helpful, then we
19	can consider that.
20	JEFF ZAPPEN: The other thing we can do within
21	my office and the sector Coast Guard unit is share that
22	media that's positive. So if the project's done,
23	everybody's happy, and the NWSS has these grand plans,
24	it's like, "Coast Guard just did this, and this is the
25	future of the station." So we've got that the all

-	
1	the media's available to do that, to help the NWSS to
2	maybe kick off another fundraiser round for 'ya. But
3	that would be a good conclusion of this project to maybe
4	the next phase of renovation that the group may be
5	doing.
6	JAMES HALL: Sir?
7	LARRY BECKER: How sounds to me like this
8	is gonna be open to the public at some point?
9	JAMES HALL: Yes, aksh I I believe so.
10	LARRY BECKER: How
11	(Simultaneous talking.)
12	LARRY BECKER: how will people access it?
13	DAVE SAVAGE: By boat.
14	(Simultaneous talking.)
15	DAVE SAVAGE: We also have work parties pretty
16	regularly. Not right now, but when the season starts
17	opening up a little bit. Send a email to Northwest
18	Schooner Society. Google up Burrows Island Light
19	Station. And come out with us on a when we're going
20	out. We'll give you a ride and come on out and see it.
21	LARRY BECKER: That'd be great.
22	JAMES HALL: So there's a concrete dock out
23	there right now that that pretty open. I mean,
24	I don't think
25	DAVE SAVAGE: It's open to the public. And

1	that's part of our our agreement, our license, is
2	that it is open to the public. It's not a private
3	and never will be.
4	LARRY BECKER: Is there helicopter pad out
5	there?
6	JAMES HALL: It is.
7	LARRY BECKER: Is that open to the public,
8	too?
9	(Simultaneous talking. Laughing.)
10	DAVE SAVAGE: People people routinely land
11	a helicopter out there, I think for training purposes.
12	LARRY BECKER: Okay.
13	JAMES HALL: They do they
14	(Simultaneous talking.)
15	JEFF ZAPPEN: P public lands? We have
16	we have public entities, private citizens, landing out
17	there for training?
18	DAVE SAVAGE: We don't have a chance to talk
19	to 'em. They land and look around and then they leave.
20	(Simultaneous talking.)
21	JEFF ZAPPEN: If that's a problem for you,
22	just get us a tail number, and we'll solve that problem.
23	(Simultaneous talking.)
24	JEFF ZAPPEN: There's all kinds of safety
25	issues around a helicopter landing on an island, you

don't know they're comin'.

1

22

2 MAX SCHNEIDER: It's -- it's happened more 3 than once. And unfortunately, can't get their tail 4 number before they take off. So.

JEFF ZAPPEN: 5 If -- if that's a concern of 6 yours, then you provide me with as much information as 7 you can get. K- -- Kitty has all my numbers. And we --8 we have other agencies that we can help follow up on why 9 they were there, what they're doing, and maybe better 10 planning to let you know they're coming in the future. 11 'Cause you're right, it might be a good venue to have a 12 helicopter come out, you know, but. . .

MAX SCHNEIDER: As far as stationing a team, it's a great place to have, but there's also the problem of the naval base doing exercises there when you have unnotified flight there.

JEFF ZAPPEN: Yeah, if there's a -- a licensed pilot flying a helicopter anywhere near Whidbey, they're flying within the rules or Whidbey would be doing something about it. We get those notifications all the time.

(Simultaneous talking.)

23 MAX SCHNEIDER: I totally get what you're 24 saying, but I doubt very, very much that that was in 25 their flight plan. 'Cause you can see it. They're

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1	going on their flight plan and then, "Oh, look. That's
2	a landing pad."
3	JEFF ZAPPEN: Right. Yeah. It was an un
4	yeah, an unannounced landing. Agreed. Yeah. If you
5	have that information, if that's a problem I consider
6	that to be a problem, but I'm not there. So. If that's
7	a problem, and you get tail numbers, a description, a
8	date, a time, we we do work for the Department of
9	Homeland Security; we can prob'ly track down where the
10	plane took off from and where it landed. Pay a visit
11	and say, "Hey, don't do that again without permission."
12	'Cause we don't let all these other light stations
13	that we have that have landing pads similar to that,
14	they're not allowed to land there, either.
15	DAN CALL: I believe that that facility is
16	marked as a heliport, and it's not marked as a
17	out-of-service
18	MAX SCHNEIDER: It isn't.
19	DON MEEHAN: It's not. You're absolutely
20	right.
21	JEFF ZAPPEN: So the current FHA charts have
22	it listed as a viable
23	MAX SCHNEIDER: They have it listed as an
24	active pad.
25	JEFF ZAPPEN: All right.

1 MAX SCHNEIDER: Which is --2 JEFF ZAPPEN: I'll take that -- I'll take that 3 back with me. 4 DON MEEHAN: But it doesn't have an X on it, 5 which is what it should have --6 (Simultaneous talking.) 7 DON MEEHAN: -- as a decommissioned airstrip. 8 Landing strip. 9 JAMES HALL: And we can look into that. 10 DAN CALL: Of course if you disappear the 11 whole thing, that solves part of your problem. 12 KEN REINEBACH: Question. Where is the off-site disposal for the PCB-contaminated soil? 13 14 JAMES HALL: So it'll go to -- well, it's 15 actually below TOSCA limits, so -- but it will go to a 16 licensed RCRA -- you know, RCRA license --17 (Simultaneous talking.) 18 KEN REINEBACH: That doesn't really dispose of 19 it. It just stores it in the landfill until that 20 becomes a problem. 21 JAMES HALL: Correct. It is taking it from 22 one spot and just moving it someplace else. 23 KEN REINEBACH: Yeah. 24 JAMES HALL: But it'll be safer for the public 25 if it's in a landfill that is licensed and monitored

and -- and. . . . 1 2 KEN REINEBACH: [Indiscernible.] 3 DON MEEHAN: Thank you. 4 JAMES HALL: Great. 5 Thank you. I mean, if nobody has any more 6 questions, I'm -- we are here for a little while longer, 7 but we're happy to, yeah, answer any questions. 8 (Pause from 7:07 to 7:08 p.m.) 9 LARRY BECKER: I just would encourage you not 10 to just arbitrarily X out the helipad. It's a great 11 asset. The people that are flying helicopters, they can 12 call if they need -- if they wanna notification of it or 13 something, they can give 'em a number that they can call 14 and let them know that they're coming and that sort of thing. But it's really a -- a nice thing to have. 15 It's 16 great to have. That would be sad. 17 (No further public comment from 7:08 to 18 8:00 p.m., at which time the public meeting was 19 adjourned.) 20 21 22 23 24 25

1	CERTIFICATE
2	
3	STATE OF WASHINGTON)
4	COUNTY OF WHATCOM)
5	
б	I, Nor Monroe, Certified Court Reporter in and
7	for the state of Washington, do hereby certify to the
8	following:
9	That I reported by stenotype all proceedings
10	in the foregoing matter;
11	That my stenographic notes were reduced to
12	typewriting under my direction;
13	And that the foregoing transcript, pages 1
14	through 58, inclusive, constitutes a full, true, and
15	accurate record of all such testimony adduced and oral
16	proceedings had, and of the whole thereof.
17	Witness my hand this 24th day of January,
18	2020.
19	
20	
21	NOR MONROFA BDBA CBBA CBC
22	Stenographic Court Reporter Washington CCR No. 3442
23	Expiration: November 10, 2020
24	
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venue [1] 55/11 Т touching [1] 35/23 23/ 12 24/ 6 24/ 6 24/ 8 24/ 8 35/ 3 44/ 6 47/ 6 tough [1] 7/20 55/2455/24 towards [3] 8/98/188/18 via [1] 51/13 trace [1] 13/11 viable [2] 36/956/22 track [1] 56/9 visit [2] 50/ 11 56/ 10 traditionally [1] 12/9 visitors [1] 50/11 traffic [5] 20/ 12 20/ 14 20/ 17 45/ 8 45/ 10 volatile [1] 47/4 training [2] 54/ 11 54/ 17 volunteer [1] 15/16 transcript [2] 27/2259/13 volunteers [1] 7/21 transformer [2] 3/ 19 3/ 20 W transition [1] 41/21 treat [1] 28/20 waited [1] 35/13 trees [2] 46/946/18 waiting [1] 7/7 trickier [1] 22/6 walked [1] 26/21 true [1] 59/14 wall [1] 34/4 Trust [1] 24/ 10 wanna [11] 13/5 14/12 17/17 19/7 19/17 try [3] 7/2514/1314/13 30/ 11 43/ 14 44/ 13 48/ 5 50/ 13 58/ 12 want [5] 12/1914/1815/1417/1930/4 trying [5] 9/ 11 24/ 16 27/ 2 37/ 23 37/ 25 two [6] 5/25/337/937/1143/2248/3 wanted [1] 8/19 wants [1] 27/6 two-to-one [1] 37/9 was [41] 1/ 19 3/ 20 3/ 22 4/ 9 5/ 19 8/ 2 8/ 23 typewriting [1] 59/ 12 Typically [1] 46/14 9/21 9/24 10/10 12/9 13/11 14/15 15/15 28/ 15 32/ 9 33/ 3 33/ 15 34/ 5 34/ 16 34/ 17 34/21 35/18 35/20 35/22 37/10 38/5 38/12 **U.S [6]** 1/72/42/534/234/645/21 38/ 13 38/ 14 39/ 2 39/ 10 39/ 16 47/ 6 48/ 11 Uh [2] 43/4 50/12 48/ 16 49/ 13 49/ 14 55/ 24 56/ 3 58/ 18 Uh-huh [1] 50/ 12 washed [2] 5/ 18 6/ 12 ULLERY [1] 2/9 washing [1] 33/11 un [1] 56/3 unannounced [1] 56/4 59/359/759/22 under [5] 7/228/1424/1150/1759/12 wasn't [2] 32/1548/9 underneath [6] 18/ 10 18/ 15 30/ 8 30/ 14 waste [5] 26/ 16 28/ 18 28/ 20 28/ 23 29/ 2 31/1947/10 water [4] 4/24 13/24 33/10 45/3 understand [9] 8/7 16/5 18/23 23/11 23/20 wave [1] 45/9 24/1225/232/2444/20 way [13] 6/9 17/24 21/2 29/15 30/13 32/2 understanding [1] 38/22 35/ 22 36/ 23 37/ 23 41/ 8 43/ 23 46/ 2 51/ 8 understood [6] 7/22 26/6 37/14 38/1 38/3 we [184] We under stand [1] 18/23 43/13 we'd [2] 7/ 14 37/ 12 unfortunately [3] 16/6 26/1 55/3 unique [3] 25/825/933/24 unit [1] 52/21 14/ 13 18/ 1 18/ 9 29/ 25 29/ 25 30/ 10 43/ 17 United [1] 45/23 43/ 17 43/ 17 45/ 4 46/ 25 46/ 25 53/ 20 54/ 22 United States [1] 45/23 we're [60] we've [8] 7/7 14/23 17/8 17/8 20/21 35/13 units[1] 39/14 unless [3] 10/ 11 13/ 14 50/ 1 52/852/25 unlikely [3] 30/746/1547/7 weather [4] 20/7 22/14 22/22 44/8 unnotified [1] 55/ 16 weathered [2] 26/ 19 49/ 15 unpredictable [1] 46/5 weathers[1] 49/16 unsafe [1] 17/18 Web [1] 39/24 until [1] 57/19 weddings [1] 19/3 up [46] 3/53/225/45/175/176/46/129/2 weekends [1] 20/ 11 11/23 12/3 13/8 13/13 15/10 15/19 16/7 16/8 welcome [1] 40/ 19 16/ 13 18/ 10 20/ 9 20/ 9 21/ 3 22/ 1 22/ 11 23/ 23 24/ 2 27/ 3 27/ 11 27/ 13 27/ 16 29/ 24 30/ 10 30/ 15 31/ 10 34/ 17 35/ 22 43/ 22 44/ 16 48/ 19 50/657/14 49/850/851/1151/1351/1753/1753/18 went [3] 26/7 32/22 51/8 55/8 updates [1] 43/17 uptake [2] 46/746/15 55/959/11 us [11] 15/ 18 15/ 19 30/ 7 36/ 9 38/ 21 44/ 6 weren't [1] 51/4 46/146/451/553/1954/22 usable [1] 31/25 8/ 12 8/ 23 11/ 5 11/ 13 12/ 10 12/ 14 12/ 20 uscg.mil [1] 52/1 use [7] 8/17 16/7 16/11 17/16 36/9 41/5 44/3 29/ 17 32/ 22 34/ 15 34/ 24 35/ 4 35/ 6 36/ 24 used [1] 38/ 14 uses [1] 8/3 37/ 4 37/ 20 37/ 22 37/ 25 38/ 22 39/ 17 41/ 15 using [2] 9/621/24 42/15 43/18 44/22 44/22 46/22 48/11 50/5 utilities [2] 13/13 13/19 51/ 5 51/ 16 52/ 11 55/ 9 55/ 23 57/ 5 utility [1] 13/24 what's [6] 7/9 18/7 32/1 32/12 50/5 52/10 WHATCOM [1] 59/4 whatever [1] 44/2 vegetation [3] 13/646/847/1

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Υ years [9] 7/3 15/11 15/22 16/3 26/22 32/22 37/ 11 49/ 12 49/ 14 years'[1] 7/3 Yep [5] 4/ 10 38/ 6 38/ 10 45/ 14 45/ 19 yes [11] 7/19/1010/810/1419/1622/19 30/ 3 36/ 18 38/ 3 52/ 3 53/ 9 yet [4] 6/ 17 9/ 1 36/ 18 42/ 13 you [153] you know [1] 31/8 you'd [3] 27/16 45/8 51/23 you'll [2] 17/21 30/16 you're [32] 4/ 11 4/ 22 5/ 14 7/ 4 7/ 15 8/ 21 12/ 8 12/ 8 12/ 22 12/ 25 13/ 4 13/ 8 16/ 16 18/ 3 19/2423/1124/124/2125/1228/1933/24 33/ 25 35/ 14 36/ 12 37/ 21 37/ 22 37/ 25 40/ 19 42/ 12 55/ 11 55/ 23 56/ 19 you've [2] 33/23 39/21 **your [14]** 3/ 11 4/ 13 4/ 24 5/ 13 19/ 6 22/ 21 23/ 18 33/ 3 36/ 16 42/ 2 49/ 3 50/ 22 51/ 20 57/11 yours[1] 55/6

Ζ

ZAPPEN [1] 2/5 **zero [2]** 4/1938/21

Attachment 2

Figures



DIV/GROUP: ENV/IMDV DB: mayyar7350 LD: PIC: PM: TM: PROJECT: PATH: Z:\GISProjects_ENV\Burrows_Island_Lighthouse_2018\MXD\Figure1_SiteLocationMap.mxd [







- LEGEND
- 01 Decision Unit (DU) SU-2 DU Subunit Structures Lighthouse Oil and Paint Storage Building 🕗 Duplex Officer In Charge Quarters Boathouse Pumphouse and Spring Cistern Firehouse Pump Building Saltwater Flushing Pumphouse Water Tanks/Platforms Elevated 10,000-Gallon Fuel Oil Tank Septic Tank 675-Gallon Fuel Oil Tank Fuel Oil Tank Gasoline Storage Tank Landing/Dock

Notes:

1. Site features based on U.S. Coast Guard historical drawing Fire Protection, Water & Sewer Systems, Burrows Island Light Station, Dwg No. 60.5804, December 1960.





<u>LEGEND</u>

---- Fuel Pipe

(GRO

LEAD (

PCB/MINERAL OILS/DRO/HO

DRO/HO (

Structures



Notes: DRO - diesel range organics GRO - gasoline range organics HO - heavy oils PCB - polychlorinated biphenyl

Landing/Dock

Transformer Pad

Helicopter Pad Debris Pile

Septic Tank

Old Helicopter Pad

675-Gallon Fuel Oil Tank Gasoline Storage Tank

Elevated 10,000-Gallon Fuel Oil Tank



ARCADIS Design & Consultancy for natural and built assets

FIGURE 4



LEGEND 01 Decision Unit (DU) SU-2 DU Subunit Structures Lighthouse Oil and Paint Storage Building Duplex Officer In Charge Quarters Boathouse Firehouse Pump Building Saltwater Flushing Pumphouse Water Tanks/Platforms Elevated 10,000-Gallon Fuel Oil Tank Septic Tank 675-Gallon Fuel Oil Tank Fuel Oil Tank Gasoline Storage Tank Landing/Dock Lead Concentrations (mg/kg) No ISM Sample Collected 0 - 250 mg/kg 250 - 500 mg/kg 500 - 1,000 mg/kg > 1,000 mg/kg

- 1. Site features based on U.S. Coast Guard historical drawing Fire Protection, Water & Sewer Systems, Burrows Island Light Station, Dwg No. 60.5804, December 1960.
- 2. mg/kg milligrams per kilogram
 3. ISM incremental sampling methodology
- 4. > greater than





LEGEND 01 Decision Unit (DU) SU-2 DU Subunit Structures Lighthouse Oil and Paint Storage Building Duplex Officer In Charge Quarters Boathouse Firehouse Pump Building Saltwater Flushing Pumphouse Water Tanks/Platforms Elevated 10,000-Gallon Fuel Oil Tank Septic Tank 675-Gallon Fuel Oil Tank Fuel Oil Tank Gasoline Storage Tank Landing/Dock Lead Concentrations (mg/kg) No ISM Sample Collected 0 - 250 mg/kg 250 - 500 mg/kg 500 - 1,000 mg/kg > 1,000 mg/kg

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> 1,000 mg/kg

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- 2. mg/kg milligrams per kilogram
 3. ISM incremental sampling methodology
- 4. > greater than





LEGEND 01 Decision Unit (DU) SU-2 DU Subunit Structures Lighthouse Oil and Paint Storage Building Duplex Officer In Charge Quarters Boathouse Firehouse Pump Building Saltwater Flushing Pumphouse Water Tanks/Platforms Elevated 10,000-Gallon Fuel Oil Tank Septic Tank 675-Gallon Fuel Oil Tank Fuel Oil Tank Gasoline Storage Tank Landing/Dock Lead Concentrations (mg/kg) No ISM Sample Collected 0 - 250 mg/kg 250 - 500 mg/kg 500 - 1,000 mg/kg > 1,000 mg/kg

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- 2. mg/kg milligrams per kilogram
 3. ISM incremental sampling methodology
- 4. > greater than







ARCADIS Design & Consultancy for natural and built assets





LEGEND

- ---- Fuel Pipe
- (GRO/DRO/HO
- (DRO/HO/Mineral Oil
- Exceeds MTCA Method A standards

Structures

- Lighthouse
- Oil and Paint Storage Building
- Duplex
- Officer In-Charge Quarters
- Boathouse
- Firehouse Pump Building
- Saltwater Flushing Pumphouse
- Water Tank/Platform
- Fuel Oil Tank
- 540-Gallon Fuel Tank
- Z Excavated Transformer Area
- 690-Gallon Fuel Tank
- Old Cistern
- Transformer Pad
- Old Helicopter Pad
- Helicopter Pad
- Debris Pile
- Elevated 10,000-Gallon Fuel Oil Tank
- Septic Tank
- 675-Gallon Fuel Oil Tank
- Gasoline Storage Tank
- Landing/Dock

Sample	Units	MTCA Method A Screening Level
Depth	feet bgs	
TPH-DRO	mg/kg	2,000
TPH-HO	mg/kg	2,000

Notes:

bgs - below ground surface BTEX - benzene, toluene, ethylbenzene, xylenes DRO - diesel range organics GRO - gasoline range organics HO - heavy oil mg/kg - milligrams per kilogram MTCA - Model Toxics Control Act PCB - polychlorinated biphenyls SVOC - semivolatile organic compounds TPH - total petroluem hydrocarbons

1. Analytical samples from locations with GRO, DRO or HO concentrations above MTCA Method A screening levels were also analyzed for BTEX, SVOCs, and TPH fractions.



								De la contraction		Sample	SB-107
		V			101			in the second se	SB-101	Total PCBs	1.2
	Sample	SB-101-4	21	19	522	the Ma				Sample	SB-10 ²
	Depth	0-0.5	11.84		4 24		J. Tracks			Total PCBs	1.3
	Total PCBs	2.9	ball.	I_{c}		And	SB-101-6		RAR		
	Comple	SD 101 F			A 6 1		177		\sim	Sample	SB-101
		0-0.5			S. A. La			生	1 Bach	Depth	0-0.5
	Total PCBs	45			生活	NY N			A	Total PCBs	1.4
2.27				SB	-101-15						april.
	Sample	SB-101-16			E Part			5B-10	01-11		相比
	Depth	2.0-2.5			K				K	12 in	<u>. (b. 1</u>
	Total PCBs	3.8	THE REAL	2011 P					A PART		
	Sample	SB-101-14	SB-101-14	the.	Sample	SB-101-13	SB-101-13	1	Sample	SB-101-12	SB-101
	Depth	0-0.5	1.0-1.5	16	Depth	0-0.5	1.0-1.5		Depth	0-0.5	1.0-1
No.	Total PCBs	1.2 [1.7]	1.2	重	Total PCBs	6.4	4.9		Total PCBs	4.3	1.2
をあり	19	12 M	C. Herry			1740	THE OWNER		PT State	They -	248

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<u>LEGEND</u>

---- Fuel Pipe

PCB

Total PCBs > 1 mg/kg

Structures

- Lighthouse
- Duplex
- Fuel Oil Tank

540-Gallon Fuel Tank

- Excavated Transformer Area
- 690-Gallon Fuel Tank
- Old Cistern
 - Transformer Pad
 - Debris Pile
 - Septic Tank

675-Gallon Fuel Oil Tank

Sample	Units	MTCA Method A Screening Level
Depth	feet bgs	
Total PCBs	mg/kg	1.0

Notes: bgs - below ground surface mg/kg - milligrams per kilogram PCB - polychlorinated biphenyls > - greater than



UNITED STATES COAST GUARD BURROWS ISLAND LIGHT STATION SKAGIT COUNTY, WASHINGTON REMEDIAL INVESTIGATION AND FOCUSED FEASBILITY STUDY

Discrete Sample Results - PCBs

ARCADIS Design & Consultancy for natural and built assets



LEGEND

Discrete Sample Lead Concentration (mg/kg)

- Lead Concentration 0 250
- Lead Concentration > 250

Corrected XRF Lead Concentration (mg/kg). 0 to 6 inches bgs

- 0 250
- 251 500
- **O** 501 750
- 0 751 1,000
- >1,000
- Decision Unit (DU)
- DU Subunit
- ---- Fuel Pipe
- Structures
- Lighthouse
- Oil and Paint Storage Building
- Duplex
- Officer In-Charge Quarters
- Boathouse
- Pumphouse and Spring Cistern
- Firehouse Pump Building
- Saltwater Flushing Pumphouse
- Water Tank/Platform
- Fuel Oil Tank
- 540-Gallon Fuel Tank
- Excavated Transformer Area
- 690-Gallon Fuel Tank
- Old Cistern
- Transformer Pad
 - Old Helicopter Pad
- Helicopter Pad
 - Debris Pile
- Elevated 10,000-Gallon Fuel Oil Tank
 - Septic Tank
- 675-Gallon Fuel Oil Tank
- Gasoline Storage Tank
- Landing/Dock

- Notes: 1. XRF lead concentrations were adjusted based on the correlations between laboratory analytical and XRF field screening results. Results were corrected using the following formula: Y = 1.136X - 0.02354 where
- Y = 1.136X 0.02354 where
 Y = Log of the corrected XRF concentration
 X = Log of the XRF field measurement concentration.
 Logarithms in the equation are in base 10.
 2. Discrete samples were submitted for laboratory analysis to provide comparisons with XRF results.



- SCALE IN FEET
- UNITED STATES COAST GUARD BURROWS ISLAND LIGHT STATION SKAGIT COUNTY, WASHINGTON REMEDIAL INVESTIGATION AND FOCUSED FEASBILITY STUDY

November 2018 Sampling Results and ISM Decision Units

ARCADIS Design & Consultancy for natural and built assets

FIGURE 12

120



<u>LEGEND</u>

A Excavation Areas

Polychlorinated Biphenyl Area

- Structures
- Lighthouse
- Oil and Paint Storage Building
- Duplex
- Officer In Charge Quarters
- Boathouse
- Firehouse Pump Building
- Saltwater Flushing Pumphouse
- Water Tanks/Platforms
- Elevated 10,000-Gallon Fuel Oil Tank
- Septic Tank
- 675-Gallon Fuel Oil Tank
- Fuel Oil Tank
- Gasoline Storage Tank

EXX Landing/Dock

Excavation Depth (feet bgs)

0.5 foot
1.0 foot
1.5 feet
2.0 feet
2.5 feet
3.0 feet

- 1. Site features based on U.S. Coast Guard historical drawing Fire Protection, Water & Sewer Systems, Burrows Island Light Station, Dwg No. 60.5804, December 1960.
- 2. Removal depths and extents based on ISM and discrete data and are estimated where delineation with samples below the applicable Model Toxics Control Act Method A Cleanup Levels is not available.
- 3. bgs below ground surface
- Soil will be excavated to the target depths indicated or to refusal if bedrock is encountered before the target depth.
- 5. Obstructions present within the excavation areas, including trees, rocks, hard surfaces, or other natural features will be maintained to the extent possible and soil removal may be less than target depths.
- 6. Structures or other features, including fencing, sidewalks, and stairs, will be maintained. Soil may be sloped or offset from structures implemented to protect structures.
- 7. PCB soils may be segregated based on disposal facility requirements.





Attachment 3

Monitoring and Discovery Plan for Cultural Resources

CULTURAL RESOURCES REPORT COVER SHEET

Author: <u>Alicia Valentino</u>

Title of Report:Monitoring and Discovery Plan (MDP) for Cultural Resources Duringthe Burrows Island Light Station Remediation Project, Burrows Island, Washington

Date of Report: April 4, 2022

County(ies): Skagit Section: 32 Township: 35N Range: 1E E/W

Quad: <u>Deception Pass</u> Acres: <u>~3 acres</u>

Historic Property Inventory Forms to be Approved Online?
Yes No

Archaeological Site(s)/Isolate(s) Found or Amended?
Yes
No

<u>TCP(s) found? \Box Yes \boxtimes No</u>

Replace a draft? Yes 🛛 No

Satisfy a DAHP Archaeological Excavation Permit requirement?
Yes # No

Were Human Remains Found?
Yes DAHP Case #
No

DAHP Archaeological Site #:

- Submission of PDFs is required.
- Please be sure that any PDF submitted to DAHP has its cover sheet, figures, graphics, appendices, attachments, correspondence, etc., compiled into one single PDF file.
- Please check that the PDF displays correctly when opened.



MONITORING AND DISCOVERY PLAN (MDP) FOR CULTURAL RESOURCES DURING THE BURROWS ISLAND LIGHT STATION REMEDIATION PROJECT, BURROWS ISLAND, WASHINGTON

Willamette Cultural Resources Associates (WillametteCRA) was contracted by Arcadis U.S., Inc. (Arcadis) to conduct archaeological monitoring for the Burrows Island Action Memo and Confirmation Sampling at Burrows Island Light Station, Skagit County, WA project being undertaken by Arcadis for the U.S. Coast Guard (USCG) under Task Order No. 70Z08821FPXA00300 (Project). The Project will take place at the USCG Light Station at Burrows Island (near Anacortes, WA) in Section 32, Township 35N, Range 1E (Figure 1, Figure 2).

1. PROJECT BACKGROUND

The Burrows Island Light Station began operation in 1906 and has continued to serve local mariners since that time. Before the USCG presence, ancestors of the present-day Samish Indian Nation, the Swinomish Indian Tribal Community, the Lummi Nation, the Suquamish Tribe, the Upper Skagit Indian Tribe and the Tulalip Tribes lived on or visited the island for thousands of years. Historic operations of the facility have resulted in surface and near surface soil contamination by lead from lead-based paint, polychlorinated biphenyl (PCBs) from a transformer oil spill in 1980, and petroleum products from historic use for fuel and heat.

The Project entails cleanup of contaminated soils and other activities at the Burrows Island Light Station, currently owned by the USCG. The Project will involve excavation of contaminated soils to depth between one-half and three feet (15-91 cm) (see Figure 2).

Since the Project is taking place on federal land, it is subject to the Section 106 of the National Historic Preservation Act (NHPA), and its implementing regulations (36 CFR 800, as amended). Section 106 requires federal agencies to consider the effects of their undertaking upon Historic Properties within the project's "Area of Potential Effects" (APE), and to engage in consultation to resolve adverse effects that may occur. Historic Properties are those properties listed in, or eligible for listing in the National Register of Historic Places (NRHP).

Additional laws that apply to archaeological projects conducted within the State of Washington include: Archaeological Sites and Resources (RCW 27.53), Indian Graves and Records (RCW 27.44), Human Remains (RCW 68.50), and Abandoned and Historic Cemeteries and Historic Graves (RCW 68.60).

The structures at the Burrows Island Light Station have been determined eligible for listing in the NRHP, and are listed in the Washington Heritage Register. No archaeological resources have been recorded on the property. The light station includes the Light & Fog Signal Building, Boat House and Work Shop, and Keepers Quarters (Neblett and Williamson 1977). The other buildings and structures—two privies, the Oil and Coal House, the original helicopter pad, and an Officer in Charge cottage—have been razed (McKoon-Hennick 2010).

WillametteCRA reviewed available data on the Department of Archaeology and Historic Preservations (DAHP) WISAARD database for information on previous cultural resource surveyed conducted in or near the Project. Soils and geological data were also reviewed.

One cultural resources study has been previously completed on the project; it consisted of archaeological monitoring of exploration near the demolished paint storage building (depths reaching 6.5 to 12-inches) and near the southeast corner of the lighthouse in search of an underground oil storage tank (reaching 2.6 feet). Soils were interpreted as having been intact (Norman 1999).

Geological data indicates that Burrows Island a bedrock of ultramafic (low silica content) rock (Pessl et al. 1989; Schuster 2005). Soils data reports the APE as Guemes very gravelly loam, sandy substratum and Guemes very stony loam. The former is a deep, well-drained soil on mountainsides consisting of:

- 0 to 7 inches: very gravelly loam,
- 7 to 20 inches: extremely gravelly clay loam,
- 20 to 30 inches: extremely gravelly sandy loam, and
- 30 to 60 inches: very gravelly sand.

The Guemes very stony loam is:

- 0 to 8 inches: very stony loam,
- 8 to 14 inches: extremely gravelly loam,
- 14 to 44 inches: extremely gravelly clay loam,
- 44 to 58 inches: very gravelly loam, and

• 58 to 62 inches: very gravelly sandy loam (USDA 2021).

2. AREAS REQUIRING MONITORING

The USCG is requiring an archaeologist monitor all ground-disturbing excavations for the Project. Excavations will range between one-half and three feet (15-91 cm), in specific areas across the site (see Figure 2).

3. MONITORING PROCEDURES

A minimum of 3-weeks advance notice will be required to schedule a monitor. The archaeological monitor will ensure that every reasonable effort is made to fully document archaeological resources discovered during the removal action. The monitor will be allowed to document the discovery of any precontact and significant historical archaeological materials exposed during the removal actions. Monitoring may include examination of spoils, if it can be done safely, to identify and record cultural material that may be exposed during excavation.

- Health and Safety. The monitor will be informed of and adhere to specialized safety
 procedures that need to be followed while on site and will provide necessary personal
 protective equipment. The Archaeological Monitor will work in close proximity to the
 excavation, and subject to safety constraints, will be allowed to be at the edge of excavated
 areas.
- *Pre-Construction Briefing.* Prior to construction excavations, or on the first day of excavations, the Monitor will brief construction personnel on cultural resource issues. The briefing will include information on the legal context of cultural resources protection and on the kinds of cultural resources that may be encountered during construction. The primary goal of the briefing is to familiarize construction personnel with the monitoring procedures and contact protocol to be followed if archaeological resources are discovered during construction.
- Personnel Qualifications and Chain of Communication. All monitoring activities will be supervised by staff (Monitoring Supervisor) who meet the Secretary of the Interior's Professional Qualifications Standards for Archeology (48 FR 44738). One archaeological Monitor is required to be on site during the project-related ground disturbance as described above in Section 2.
- Notification of Discoveries. The Monitor will be responsible for notifying the Monitoring Supervisor of any archaeological discoveries. The Monitoring Supervisor is responsible for notifying DAHP of any significant archaeological find. All contact numbers are listed at the end of this MDP.

- *General Monitoring Procedures*. The Monitor will visually inspect ground disturbances and physically examine excavated sediments wherever possible. Other duties of the Monitor will include photo-documentation of excavations and exposures, describing both horizontal and vertical exposures, and maintaining a detailed monitoring log.
- The Monitor will check in daily with the Construction Supervisor via phone or in person daily for scheduling information. The archaeological monitor must receive up-to-date construction plans and schedules.
- Construction activities and discovery locations will be documented on scale plans and site maps and plotted using GPS.
- The Monitor may communicate with the Construction Supervisor about equipment movement, placement of spoils for examination, or access to areas in a manner that follows established safety protocols. The Monitor may also communicate directly with equipment operators to determine the appropriate timing and procedures for accessing open excavations. The Monitor may request that operators temporarily pause or modify excavations to avoid suspected intact archaeological deposits and modify excavation procedures to remove sediments in thin lifts to assess potential archaeological discoveries. More information is provided in Section 5.
 - If the Monitor suspects or observes that archaeological materials or features are present, the Monitor will halt excavation in the immediate vicinity and document the find. All precontact and historic cultural material discovered during project construction shall be professionally recorded on a State of Washington Archaeological Site Inventory or Isolate Form using standard techniques. Site overviews, features, and artifacts shall be propared for any subsurface exposures. Discovery locations shall be documented on scaled site plans and site location maps. If assessment activity exposes human remains (burials, isolated teeth, or bones) all defined procedures outlined in Section 4, below, shall be followed. Sites, features, and artifacts will be digitally photographed as applicable.
- *Moving or Proceeding with Construction:* Construction outside of the discovery location may continue while documentation and assessment of the cultural resources proceed, if logistically possible, and the horizontal extent of the resource has been established.
 - To protect the integrity of a discovery, on-site construction staff shall take appropriate steps to protect the discovery site by ceasing all work within a 30-foot radius of the find spot to provide for the security, protection, and integrity of the resource. The protected area around the find will be marked with flagging or other visible materials. Vehicles, equipment and unauthorized personnel shall not

be permitted to traverse the discovery site. Work outside of the 30-foot radius may continue once the resource is secure.

- After Hours Discovery. If a potential cultural resource is encountered after normal business hours (Monday-Friday, 9am to 5pm), the Monitor will follow the protocols above and contact the Monitoring Supervisor as soon as possible. Work in the area of discovery may remain paused until the USCG and DAHP can be consulted.
- The Monitor will not collect or remove any precontact archaeological material from the site.

4. SPECIAL PROCEDURES FOR THE DISCOVERY OF HUMAN SKELETAL REMAINS

Upon discovery of human remains - Immediately Call:

•	Skagit County Sheriff	(360) 428-3212	1
•	Skagit County Coroner's Office	(360) 416-1996	ô
•	Dr. Guy Tasa, State Physical Anthropologist, DAHP	(360) 790-1633	3
•	James Hall, U.S. Coast Guard	(916) 813-8160	C
•	Jackie Ferry, THPO, Samish Indian Nation	50) 293-6404, ext.126	6
•	Josephine Peters, Swinomish Indian Tribal Community	(360) 466-7352	2
•	Dennis Lewarch, THPO, Suquamish Tribe	(360) 394-8529	Э
•	Lena Tso, THPO, Lummi Nation	(360) 312-2257	7

Do Not Speak to the Media. Any human skeletal remains, regardless of ethnic origin, which may be discovered during this Project, shall be treated with dignity and respect at all times.

Pursuant to the Native American Graves and Repatriation Act (NAGPRA) (43 CFR 10), if funerary objects or human remains are found on federally-managed land, then "any person who knows or has reason to know that he or she has [made such discovery] must provide immediate telephone notification of the inadvertent discovery, with written confirmation, to the responsible Federal agency official" (43 CFR 10.4(b)). The person "must stop all activity in the area of the inadvertent discovery and make a reasonable effort to protect the human remains [or] funerary objects" (43 CFR 10.4(c)). Pursuant to 43 CFR 10.4(d), the responsible Federal agency official must respond within three working days to secure the discovery, notify lineal descendants, initiate consultation, and determine the appropriate next steps. During all project operations, if any construction staff or subcontractors believes that they have made an unanticipated discovery of human skeletal remains, all work adjacent to the discovery shall cease immediately and the above contacts be notified. A 50-yard work stoppage area shall be maintained around the discovery to provide for the total security, protection, and integrity of the human skeletal remains, in accordance with federal requirements and Washington State Law. The remains shall not be touched, moved, or further disturbed. No persons other than the proper law enforcement personnel shall be authorized direct access to the discovery location after the area is secured. The strict control of a burial location is mandated to ensure the safety and integrity of the burial feature and remains.

 Construction staff are responsible for taking appropriate steps to protect the discovery. A 50foot diameter area shall be secured to provide for the total security, protection, and integrity of the resource. Vehicles, equipment, and unauthorized personnel shall not be permitted to traverse or enter the discovery site.

Following the specific guidance set forth here, the Monitoring Supervisor shall immediately contact the USCG. The USCG will notify local law enforcement officials (Skagit County Sheriff and the Skagit County Coroner) and shall insure an individual competent and qualified to identify human skeletal remains is present. The county coroner will assume jurisdiction over the human skeletal remains and determine whether those remains are forensic or non-forensic. If the county coroner determines the remains are non-forensic, then they will report that finding to the DAHP who will then take jurisdiction over the remains. DAHP personnel will notify any appropriate cemeteries and all affected tribes of the find. The State Physical Anthropologist will determine whether the remains are Indian or Non-Indian and report that finding to any appropriate cemeteries and the affected parties as to the future preservation, excavation, and disposition of the remains. If the human skeletal remains are determined to be Native American, the participating parties shall consult to determine what treatment is appropriate for the human remains.

5. INADVERTENT DISCOVERY PROCEDURES

If construction activities cause disturbance to underground cultural/archaeological resources, *when the archaeological monitor is not present*, the following section establishes provisions for the professional archaeological treatment of cultural materials discovered during usual construction activities.

Provisions of the Cultural / Archaeological Resource Procedures are as follows:

- If construction contractors or subcontractors believe that they have uncovered any cultural
 or archaeological resources when the archaeological monitor is not present, all work
 adjacent to the discovery shall cease immediately and the archaeological monitor will be
 contacted to examine the possible resource. If they cannot be reached, work adjacent to the
 discovery shall not resume until the Monitor can determine whether actual resources have
 been encountered. If such a determination has been made, the monitor shall immediately
 notify the Monitoring Supervisor. The Monitoring Supervisor is responsible for notifying the
 DAHP of any significant archaeological find. All contacts are given at the end of this MDP.
- The contractor's construction personnel will report any items of potential archaeological interest encountered during the project to the Monitor, if they are not present at that time. Collection of any archaeological materials by employees, construction personnel, or others with access to the APE is strictly prohibited by state and federal heritage laws.

Discovery of Precontact-Period Archaeological Materials

- If the Monitor suspects or observes that <u>precontact-period</u> archaeological materials or features are present, the Monitor will pause excavation in the immediate vicinity, determine the extent and nature of the find, and consult with the Monitoring Supervisor. The Monitoring Supervisor will consult with the DAHP and the USCG to determine the appropriate level of documentation and treatment of the resource.
- A precontact archaeological discovery may consist of the following types of materials separately or in combination:
 - o Areas or bands of charcoal or charcoal-stained soil and stones;
 - o burned earth that is orange in color; or dark colored organic-rich soils
 - o stone tools or waste flakes (e.g. an arrowhead, or stone chips); and
 - buried fire pits or ovens; clusters of shell and/or animal bones, especially if associated with burned rocks, charcoal and/or stone tools.

Discovery of Historic-Period Archaeological Materials

If the Monitor suspects or observes <u>historic-period</u> archaeological materials, the Monitor will pause excavation in the immediate area and will determine if the materials constitute a resource. If it is a resource, they will contact the Monitoring Supervisor. Once artifacts are sufficiently documented and diagnostic artifacts collected, construction can proceed; an archaeological site form will be completed at the end of the Project. If an archaeological feature is encountered and cannot be avoided, the Monitoring Supervisor will consult with the DAHP and the USCG to determine the appropriate level of documentation and treatment

of the resource. If it is not a resource, the Monitor may quickly record the item(s) and allow project activities to continue.

- An historic archaeological discovery may consist of the following types of materials separately or in combination:
 - prepared surfaces that suggest temporary stability, such as a corduroy road, a flat lying layer of brick, or a plastered surface;
 - o old privies; buried foundations or intact walls;
 - isolated or clustered occurrences of flat (window) glass, broken bottle glass, nails, wire, brick, lumber, or other materials; and
 - o industrial or agricultural equipment older than 50 years.

6. CONFIDENTIALITY

The Removal Contractor shall make their best efforts, in accordance with state law, to ensure that its appropriate personnel and contractors keep the discovery of any found or suspected human remains, cultural items, and potential historic properties confidential. Contractors may not contact the media or any third party or otherwise share information regarding the discovery with any member of the public. The USCG is to be immediately notified of any inquiry from the media or public.

7. REPORTING PROCEDURES

Within 90 days of concluding fieldwork, a management summary describing any and all monitoring and resultant archaeological observations shall be provided to the USCG and the DAHP.

8. REFERENCES CITED

McKoon-Hennick, Kathleen

2010 Draft: National Register of Historic Places Inventory—Nomination Form: Burrows Island Light Station. On file, Department of Archaeology and Historic Preservation, Olympia, WA.

Neblett, N.P. and R.J. Williamson

1977 National Register of Historic Places Inventory—Nomination Form: Burrows Island Light Station. On file, Department of Archaeology and Historic Preservation, Olympia, WA.

Norman, Leslie K.

1999 Letter Report: Archaeological Monitoring of Excavations at the Burrows Island Coast Guard Light Station. Submitted to AGI Technologies, Bellevue, WA. Prepared by Northwest Archaeological Associates, Inc., Seattle, WA. On file, Willamette Cultural Resources Associates, Seattle, WA.

Pessl Jr., Fred, D.P. Dethier, D.B. Booth, and J.P. Minard

1989 Surficial geologic map of the Port Townsend 30- by 60-minute quadrangle, Puget Sound region, Washington. Miscellaneous Investigations Series Map I-1198-F. U.S. Geological Survey.

Schuster, J.E.

2005 *Geologic map of Washington State*. Geologic Map GM-53. Washington Division of Geology and Earth Resources

US Department of Agriculture (USDA)

2021 Web Soil Survey. Electronic document,

https://websoilsurvey.nrcs.usda.gov/app/WebSoilSurvey.aspx; last accessed July 7, 2021.

Contact	Organization/Agency	Phone Number
Dr. Rob Whitlam	State Archaeologist, Department of Archaeology & Historic Preservation (DAHP)	(360) 586-3080
Dr. Guy Tasa	State Physical Anthropologist, Department of Archaeology & Historic Preservation (DAHP)	(360) 790-1633
-	Skagit County Sheriff's Office	(360) 428-3211
-	Skagit County Coroner's Office	(360) 416-1996
James Hall	U.S. Coast Guard	(916) 813-8160
Mark Ullery	Arcadis Field Team Leader	(360) 292-8990
Stephenie Kramer	WillametteCRA Monitoring Supervisor	(360) 208-8805
Jackie Ferry, THPO	Samish Indian Nation	(360) 293-6404, ext.126
Josephine Peters	Swinomish Indian Tribal Community	(360) 466-7352
Dennis Lewarch, THPO	Suquamish Tribe	(360) 394-8529
Lena Tso, THPO	Lummi Nation	(360) 312-2257

9. CONTACT LIST

Monitoring and Discovery Plan Burrows Island Remediation, Burrows Island, Washington April 4, 2022



Figure 1. Area of Potential Effects on USGS topographic map.



Figure 2. Area of Potential Effects and excavation depths overlaid on aerial map.

Attachment 4

Photograph Log



United States Coast Guard Burrows Island Light Station Skagit County, Washington





Description:

Layout of ISM sampling increment locations marked with yellow pin flags. Locations were marked using tablet and GPS.

Location:

Burrows Island Light Station

Photograph taken by: Mark U. Date: 3/27/2019

Photograph: 2

Description:

Collection of ISM sampling increments using hand auger. Soil was collected and placed in bags. Time and date recorded in the tablet.

Location: Burrows Island Light Station

Photograph taken by: Mark U.

Date: 3/27/2019





United States Coast Guard Burrows Island Light Station Skagit County, Washington





Photograph: 3

Description:

Increment sample from DU-02 marked with unique identifier indicting location and depth and ready for processing.

Location:

Burrows Island Light Station

Photograph taken by: Mark U.

Date: 3/25/2019

Photograph: 4

Description:

Increment samples organized by DU and awaiting processing. Samples were processed after all the increments for an ISM sample were collected and confirmed.

Location: Burrows Island Light Station

Photograph taken by: Julia V.

Date: 3/26/2019



United States Coast Guard Burrows Island Light Station Skagit County, Washington





Photograph: 5

Description:

XRF analysis station. Samples were selected for analysis that were spatially representative of the DU. Average concentration from XRF was them compared to cleanup level.

Location: Burrows Island Light Station

Photograph taken by: Julia V. Date: 3/26/2019

Photograph: 6

Description:

After analysis, composite samples were collected using decontaminated metal spoons. SUs were also collected in addition to primary DUs.

Location: Burrows Island Light Station

Photograph taken by: Julia V.

Date: 3/26/2019



United States Coast Guard Burrows Island Light Station Skagit County, Washington



Photograph: 7

Description:

ISM composite samples were collected following XRF analysis and QC'ed using the tablet. An equal soil volume was collected from each increment and composited.

Location: Burrows Island Light Station

Photograph taken by: Julia V.

Date: 3/26/2019



United States Coast Guard Burrows Island Light Station Skagit County, Washington



Photograph: 8

Description: Beach area adjacent to the dock during low tide.

Location:

Burrows Island Light Station

Photograph taken by: Mark U. Date: 3/26/2019



Photograph: 9

Description: Beach area adjacent to the dock during high tide.

Location: Burrows Island Light Station

Photograph taken by: Mark U.

Date: 3/27/2019
PHOTOGRAPH LOG



United States Coast Guard Burrows Island Light Station Skagit County, Washington





Description: Beach area adjacent to the dock during low tide.

Location:

Burrows Island Light Station

Photograph taken by: Mark U. Date: 3/26/2019



Description: Beach area adjacent to the dock during high tide.

Location: Burrows Island Light Station

Photograph taken by: Mark U.

Date: 3/27/2019



PHOTOGRAPH LOG



United States Coast Guard Burrows Island Light Station Skagit County, Washington





Photograph: 12

Description: Building 106 building inspection and sampling.

Location:

Burrows Island Light Station

Photograph taken by: Mark U. Date: 3/31/2019

Photograph: 13

Description: Building 106 seep outlet.

Location: Burrows Island Light Station

Photograph taken by: Mark U.

Date: 3/31/2019

PHOTOGRAPH LOG



United States Coast Guard Burrows Island Light Station Skagit County, Washington



Photograph: 14

Description: Waste containers staged in north basement of duplex.

Location: Burrows Island Light Station

Photograph taken by: Mark U.

Date: 4/1/2019

Attachment 5

Applicable or Relevant and Appropriate Requirements

U.S. Department of Homeland Security United States Coast Guard Commanding Officer United States Coast Guard Civil Engineering Unit Oakland 1301 Clay Street, Suite 700N Oakland, CA 94612-5203 Staff Symbol: EM Phone: (510) 637-5567 FAX: (510) 535-7288

> 5090 28 January 2019

Ms. Sandra Caldwell Land Unit Supervisor Washington State Department of Ecology Toxic Cleanup Program HQ 300 Desmond Dr. SE Lacey, WA 98504

Dear Ms. Caldwell:

The purpose of this letter is to request an updated identification of specific requirements that are considered applicable or relevant and appropriate (ARARs) for the remedial investigation, focused feasibility study, remedial design and potential removal of metals and petroleum in soil at the United States Coast Guard (USCG) Light Station, located at Burrows Island, Skagit County, Washington (Site). As provided in Executive Order 12580 and the National Oil and Hazardous Substances Pollution Contingency Plan (NCP), the USCG is acting as the lead agency for the remedial investigation, focused feasibility study, remedial design and potential removal/remedial response actions at the Burrows Island Light Station. At this time, the USCG anticipates conducting a soil removal action and/or installing a protective cover or encapsulation where soil removal is not practicable. The work will be completed in the upland portion of the Light Station and is not anticipated to involve in-water or near shore sediment investigation or remediation. The reasonably anticipated future use of the Site will be Recreational for use by the Northwest Schooner Society and the public.

This request is made pursuant to 40 Code of Federal Regulation (CFR) Section 300.400 (g) (5) of the NCP. As provided in the NCP, we anticipate a response from you within 30 working days of the receipt of this letter. The ARARs provided will be addressed in a Remedial Investigation/Focused Feasibility Study Report to be completed and made available for public review and comment prior to implementation. We appreciate your prompt attention to this matter.

Subject: USCG Burrows Island Project ARARs

Thank you for your consideration of this matter. Please contact Mr. James Hall at james.c.hall2@uscg.mil or by phone at (510) 637-5593 if you have any questions.

Sincerely,

al Statter David W. Stalters

Chief, Environmental Management Branch U.S. Coast Guard By direction of the Commanding Officer

Potential Federal and State Chemical-Specific A	oplicable or Relevant and Appropriate Require	ements and To Be Considered Guidance, U.	LS. Coast Guard Light Station Burrows Isla	nd, Skagit (

Constituent of Concern and Media	Authority	Act	Statute, Regulation, Administrative Code, or Guidance Document	Status	Synopsis
	Federal Regulatory Requirement and/or Criteria	Toxics Substances Control Act	15 U.S.C. §2601 et seq. 40 CFR 761.61	Applicable	This section provides cleanup and disposal optic requirements and disposal requirements for PCE
Soil	Federal Advisories, Guidance, and Training Material	NA	United States Environmental Protection Agency (USEPA) Recommendation of the Technical Review Workgroup for Lead for an Approach to Assessing Risks Associated with Adult Exposures to Lead in Soil. www.epa.gov/superfund/lead/products/adultpb.pdf	To Be Considered	This document is a non-promulgated guidance p adult exposures to lead in soil.
	State Regulatory Requirement and/or Criteria	MTCA Regulations	WAC 173-340-740(3) and WAC 173-340-355	Relevant and Appropriate	WAC 173-340-740(3) provide requirements for M provide requirements for development of cleanu used to identify the concentration (or other meth action components will be used. Remediation le
	State Advisories, Guidance, and Training Material	Ecology Guidance for Remediation of Petroleum Contaminated Sites	Publication No. 10-09-057, Revised June 2016	To Be Considered*	This document is generally applicable to all type with mixtures of other hazardous substances.

Notes:

NA Not Applicable

* The U.S. Coast Guard solicited ARARs from Ecology in a letter dated January 28, 2019. A response from Ecology was received on February 14,2019. Potential State of Washington ARARs and To Be Considered guidance provided by Ecology has been incorporated into this table.

County, Washington

of Requirement, Criteria, or Guidance

ions for PCB remediation waste, including but not limited to notification B remediation waste.

prepared by USEPA to provide guidance on assessing risks associated with

Method B soil cleanup levels for unrestricted landuse. WAC 173-340-355 up action alternatives that include remediation levels. Remediation levels are nods of identification) of hazardous substances at which different cleanup evels, by definition, exceed cleanup levels.

es of petroleum contaminated sites and media and may be applicable to sites

Location	Authority	Act	Statute, Regulation, Administrative Code, or Guidance Document	Status	Synopsis
		National Historic Preservation Act of 1966	National Historic Preservation 16 USC 470. http://www.achp.gov/NHPA.pdf	Applicable	These rules require the identification and prese Register of Historic Places, the list of National
		National Historic Lighthouse Preservation Act of 2000 (NHLPA)	54 USC 305101-305106 (formerly at 16 USC 470w-7)	Applicable	An ammendment to the National Historic Prese Federally-owned historic light stations that hav
Federally owned property	Federal Regulatory Requirement and/or Criteria	Endangered Species Act of 1973	Endangered Species 16 USC 1531-1543, 50 CFR 402, 50 CFR 17. <u>16 USC Chapter 35</u> <u>Endangered and Threatened Wildlife and Plants (50 CFR Part 17) 50 CFR 17</u> <u>Cooperation of Endangered and Threatened Species of Fish, Wildlife, and plants –</u> <u>Cooperation with the States (50 CFR Part 81) 50 CFR 81</u> <u>Threatened Marine and Anadromous Species (50 CFR Part 223) 50 CFR 223</u> <u>Endangered Marine and Anadromous Species (50 CFR Part 224) 50 CFR 224</u> <u>Designated Critical Habitat (50 CFR 226) 50 CFR 226</u> <u>Interagency Cooperation Endangered Species Act of 1973 (50 CFR 402) 50 CFR 402</u>	Relevant and Appropriate	These rules require federal agencies to ensure or endangered species or adversely modify the and
Fede Requ	Federal Regulatory Requirement and/or Criteria, Continued	Archaeogical and Historic Preservation Act	<u>16 USC 469</u>	Applicable	It is the purpose of sections 469 to 469c–1 of the specifically providing for the preservation of his otherwise be irreparably lost or destroyed as the workmen's communities, the relocation of railroc construction of a dam by any agency of the Ur by any such agency or (2) any alteration of the licensed activity or program.
		Archaeological and Historic Preservation Act	<u>16 USC 470aa, 43 CRF 7</u>		The purpose of this chapter is to secure, for the archaeological resources and sites which are of exchange of information between governmenta individuals having collections of archaeological
Federally owned property, Continued	Federal Advisories, Guidance, and Training Material State Regulatory Requirement and/or Criteria	NA	NA RCW 90.58; WAC 173-27-060; 15 CFR 923-930	NA Applicable	None This section requires that federal agency activi maximum extent practicable with the enforceal zone management program pursuant to the Fe federal regulations adopted pursuant thereto.
	State Advisories, Guidance, and Training Material	NA	NA	NA	None

Potential Location-Specific Applicable or Relevant and Appropriate Requirements and To Be Considered Guidance, U.S. Coast Guard Light Station Burrows Island, Skagit County, Washington,

Notes: NA Not Applicable

* The U.S. Coast Guard solicited ARARs from Ecology in a letter dated January 28, 2019. A response from Ecology was received on February 14, 2019. Potential State of Washington ARARs and To Be Considered guidance provided by Ecology has been incorporated into this table.

of Requirement, Criteria, or Guidance

ervation of historic and archaeological sites. The act created the National Historic Landmarks, and the State Historic Preservation Offices.

ervation Act of 1966, the NHLPA provides a mechanism for the disposal of re been declared excess to the needs of the responsible agency.

that their actions do not jeopardize the continued existence of any threatened habitat of such species. The rules provide criteria for determining threatened

his title to further the policy set forth in sections 461 to 467 of this title, by storical and archeological data (including relics and specimens) which might he result of (1) flooding, the building of access roads, the erection of oads and highways, and other alterations of the terrain caused by the nited States, or by any private person or corporation holding a license issued e terrain caused as a result of any Federal construction project or federally

e present and future benefit of the American people, the protection of on public lands and Indian lands, and to foster increased cooperation and al authorities, the professional archaeological community, and private resources and data which were obtained before October 31, 1979.

ties in or affecting Washington's coastal zone shall be consistent to the ble policies of the most recent federally approved Washington state coastal ederal Coastal Zone Management Act, 16 U.S.C. 1451 et seq. (CZMA) and

Potential Action Encoific Applicable or Polovant and /	Appropriate Beguireme	ate and To Be Considered Cuidene	a LLS. Coost Cuard Light Statio	- Burrows Island Washington
Potential Action-Specific Applicable of Relevant and A	Appropriate Requirementer	its and to be considered Guidance	e, u.s. Guasi Guaru Liyni Siano	i, Durrows Islanu, Washington.

Action	Authority	Act or Statute	Regulation, Administrative Code, or Guidance Document	Status	
Federal Regula In-Water Work Requirement ar Criteria	Federal Regulatory Requirement and/or	Tederal Regulatory Requirement and/or Criteria	Section 404 - Dredge or Fill Requirements Regulations, 33 U.S.C. 1344(a)-(d); 33 CFR Parts 320-330; 40 CFR 230	Potentially Applicable	Section 404 of the CWA establishes a program States, including wetlands
	Criteria		Section 401, Water Quality Certification, 33 U.S.C. 1340; WAC 173- 225-010.		Section 401 of the CWA requires an applicant for the facility will comply with the CWA, including s
Fedd Req Crite	Federal Regulatory Requirement and/or Criteria	Storm water discarges (applicable to State NPDES programs)	40 CFR 122.26		Provide requirements when a storm water perm
Stormwater	State Regulatory Requirement and/or Criteria	Stormwater Permit Program	RCW 90.48.260; Chapter 173-226 WAC		Provides requirements for obtaining construction five acres may be exempt from permit requirem erosivity factor is less than five; (2) Project distu within the following timeline - June 15 - Septem
	State Advisories,	Guidance for contaminated	Treatment Systems for Contaminated Construction Runoff (TSCCR)		
Stormwater, Continued	Guidance, and Training Material	water on construction sites	water on construction sites https://ecology.wa.gov/Regulations-Permits/Guidance-technical- assistance/Stormwater-permittee-guidance-resources/Contaminated- water-on-construction-sites	TBC	This spreadsheet shows treament systems that
	Comprehensive Environmental Response, Compensation and Liabilit	Reporting Hazardous Substance Activity When Selling or Transferring Federal Real Property (Title 40 Code of Federal Regulations [CFR] 373)		These rules require notifications related to haza federal government. This is applicable if a prope	
		Act (CERCLA), as amended by the 1986 Superfund Amendments	National Contingency Plan (42 USC 9605).	Applicable	These promulgated rules require performing a F documents (e.g., Quality Assurance Project Plan Feasibility Study Report (RI/FS).
		and Reauthorization Act (SARA)	Executive Order 12580- Superfund Implementation		The Executive Order provides federal agencies, CERLCA responsibilities under the National Con
Remedy Implementation and Waste Management Criteria		Clean Air Act of 1970	National primary and secondary ambient air quality standards 42 USC 7409.	Applicable	Engineering controls may be required to reduce encapsulation, as needed, to maintain ambient a
	Federal Regulatory Requirement and/or Criteria	Resource Conservation and Recovery Act of 1976 (RCRA)	42 USC 6921; 40 CFR 261; 40 CFR 268	Applicable	These regulations establish requirements for ide removal action. Not applicable regarding soil, as based paint on Site structures.
		Hazardous Materials Transport Act (HMTA) as Amended by the Hazardous Materials Transport Uniform Safety Act of 1990	49 CFR 51	Applicable	The HMTA regulates the transportation of certai
	Occupational Safety & Health Administration Act (OSHA) of 1970	Occupational Safety & Health Administration Act (Public Law 91-596 84 STAT. 1590).	Applicable	These regulations specify requirements for heal during hazardous waste site remediation.	

Synopsis

to regulate the discharge of dredged or fill material into waters of the United

for a federal license or permit provide a certification that any discharges from state-established water quality standard requirements.

nit is required under the NPDES program. See state requirements below.

on stormwater permit and stormwater pollution prevention plan. Sites under nents if the site meets the requirements for low erosivitiy waiver: (1) the urbs less than five acres; (3) Construction desturbance starts and finishes uber 15 of the same year.

t may be effective in treating specific contaminants.

ardous substances prior to the sale or transfer of real property owned by the erty with residual contamination is transferred.

Removal Site Evaluation and a Removal Action including preparing certain an [QAPP], Sampling and Analysis Plan (SAP), and Remedial Investigation/

, including the United States Coast Guard, the authority to carry out their ntingency Plan as a lead agency.

e emissions associated with the excavation and off-site transportation and/or air quality standards.

entifying any hazardous wastes that may be generated in the course of the s no removal action. Potentially applicable with regard to abatement of lead-

in hazardous materials.

Ith and safety protection for workers potentially exposed to contaminants

Action	Authority	Act or Statute	Regulation, Administrative Code, or Guidance Document	Status	
Remedy Implementation and Waste Management, Continued	Federal Regulatory Requirement and/or Criteria	Toxics Substances Control Act	15 U.S.C. §2601 et seq. 40 CFR 761.61	Applicable	This section provides cleanup and disposal opti requirements and disposal requirements for PC
		Dangerous Waste Act and Regulations	RCW 70.105, Chapter 173-303 WAC	Relevant and Appropriate	Provide requirements for classification and disp
		Regulation and Licensing of Well Contractors and Operators	Chapter 18.104 RCW; WAC 173-162-020-030	Potentially Applicable	This section provides regulations that apply to v constructing wells in the state of Washington.
	State Regulatory Requirement and/or Criteria	Washington Clean Air Act, General Regulations of Air Contaminant Source	Chapter 70.94 RCW	Applicable	Provides requirements to protect air from harmf
		Puget Sound Clean Air Agency Regulations, Fugitive Dust Control Measures	Regulation 1, Section 9.15	Applicable	This rule prohibits visisible emissions of fugitie of
		Shoreline Master Program (SMP)	RCW 90.58; WAC 173-27-060	Applicable	This section requires federal agency activities i extent practicable with the enforceable policies management program pursuant to the Federal regulations adopted pursuant thereto.
		The State Environmental Policy Act (SEPA)	Chapter 43.21C RCW; Chapter 197-11 WAC and the SEPA procedures (Chapter 173-802 WAC)	Applicable	SEPA is a process (not a permit decision) inc making by state and local agencies. Substanst
	State Advisories, Guidance, and Training Material	Ecology Guidance for Remediation of Petroleum Contaminated Sites	Publication No. 10-09-057, Revised June 2016	To Be Considered*	This document is generally applicable to all type with mixtures of other hazardous substances.

Potential Action-Specific Applicable or Relevant and Appropriate Requirements and To Be Considered Guidance, U.S. Coast Guard Light Station, Burrows Island, Washington.

Notes: NA Not Applicable

* The U.S. Coast Guard solicited ARARs from Ecology in a letter dated January 28, 2019. A response from Ecology was received on February 14, 2019. Potential State of Washington ARARs and To Be Considered guidance provided by Ecology has been incorporated into this table.

Synopsis

ions for PCB remediation waste, including but not limited to notification B remediation waste.

oosal of Washington State Dangerous wastes.

well contractors and operators who are contracting for well construction or

ful levels of pollution.

dust unless reasonable precautions are employed to minimize the emissions.

n or affecting Washington's coast zone to be consistent to the maximum of the most recent federally approved Washington state coastal zone Coastal Zone Management Act, 16 U.S.C. 1451 et seq. (CZMA) and federal

dended to ensure that environmental values are considered during decisiontative requirements of SEPA will be achieved by public participation as part of the CERCLA process.

es of petroleum contaminated sites and media and may be applicable to sites

Attachment 6

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