In The Matter Of:

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
RE: ESTIMATED INCREASED CLEANUP COSTS

USS LEAD SUPERFUND SITE February 15, 2018

BOSS REPORTERS

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1	UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
2	PUBLIC MEETING
3	RE: ESTIMATED INCREASED CLEANUP COSTS
4	USS LEAD SUPERFUND SITE
5	at
6	PASTRICK BRANCH LIBRARY
7	1008 W. Chicago Avenue, East Chicago, Indiana
8	Thursday, February 15, 2018
9	5:30 o'clock p.m.
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1		APPEARANCES		
2	ON BEHALF OF THE U.S. AGENCY:	ENVIRONMENTAL PROTE	CTION	
3			. 1	
4	Janet Pope, Community & Hearing Facilitator Sarah Rolfes, Remedia			5
5	Leonardo Chingcuano, Tim Fischer, U.S. EPA		ouncil	-
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8				
9	ALSO PRESENT:			
10	Cheryl Vaccarello, Te	tra Tech		
11	Members of the Public			
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1 MS. POPE: Hello, everybody. Thank you 2 for coming to the meeting tonight, the hearing. My name is Janet Pope, and I'm the community 3 involvement coordinator for the USS Lead Site. 4 Tonight this meeting is about the 5 Explanation of Significant Difference, and 6 that's all that the meeting is about. Any 7 other questions regarding anything else 8 9 concerning the site will not be addressed at this meeting. This is only about the ESD; 10 11 okay? 12 Another thing that I would like to remind people is we are in a Public Comment Period for 13 the ESD. Tomorrow is actually the last day of 14 15 the Public Comment Period. Now, you can stand up. When we get to the Public Comment Period 16 17 in this hearing, you can give it orally. 18 have sheets back there. You can write them down on the sheets in the back. You can also 19 20 email them to me. But remember, it ends 21 tomorrow; okay? 22 When we get to the Public Comment Period, 23 I'll take back over, I'll let you know what the rules are at that time; okay? 24 25 So we have -- Sarah Rolfes is going to

come up, and we have Leo here as well. Sarah's going to come and do the presentation on the ESD; okay?

MS. ROLFES: Okay. So this evening we're here to discuss the Explanation of Significant Differences, as Janet said earlier. It was proposed in December, and it's docu-- it's to document an estimated cost increase to implement the remedy in Zones 2 and 3 of the USS Lead Site.

Now, an ESD documents significant but not fundamental changes to remedial actions after a Record of Decision has been issued. So ESDs are used for changes that affect features of a remedy. So they don't actually change the cleanup approach itself. So it affects features like timing and cost. So this ESD documents an estimated increase in cost.

Okay. So in 2012, we did a cost estimate for the remedy for Zones 2 and 3, and that estimate was \$22.8 million. The current cost estimate described in the ESD is 84.9 million. Again, I want to reiterate that the remedy that was chosen, the cleanup approach, is not changing, just the estimated cost to implement

that remedy.

The original cost estimate completed in 2012 was based on samplings that were conducted as part of the Remedial Investigation Phase.

Approximately 7 percent of the properties in Zones 2 and 3 were sampled. Now, this sampling was designed to provide spacial coverage across the entire site. We do sampling as parts of an RIFS to design the remedy, to determine the remedy, and issue a ROD.

so now we're in the Remedial Design Phase and the Remedial Action Phase. So now we've sampled over 90 percent of properties in Zone 2 and 3. This sampling is different from RIFS sampling. This sampling we conduct at each property to determine if that property needs to be cleaned up and how much of that property needs to be cleaned up.

assumptions that were used to calculate the cost have changed. One of those assumptions is the volume of soil that needs to be cleaned up. The volume has increased. It went from 47,000 cubic yards in 2012 to over 88,000 cubic yards now. So why has that number changed? There's

three factors. They're all listed here (indicating).

The number of properties increased. We estimated about 580 were needed to be cleaned up in 2012. Now that number is over 750.

The average size of those yards also has increased. So with that small sample set, the properties were smaller. Now we sampled over 90 percent; the yard average size is larger.

Also, the extent of contamination has changed. So for instance, in 2012 we estimated that 4 percent of properties in Zone 2 would need to be excavated to 24 inches. Now that number is 17 percent. So the estimates that we did in 2012, we underestimated them for each integral.

Some additional factors that have led to the increased cost include updated construction management and oversight costs. This is largely due to a larger volume. Since we have more soil to take off site, it's going to take us longer to do it, and we need more people on site.

The cost to complete the excavation has also increased. One of these is due to more

1 hand digging we've had to do in the yards, as 2 well as utilities. We didn't anticipate having to do hand digging. We anticipated we could 3 use a large excavator and do it very quickly. 4 Now it's a little bit slower, so that cost has 5 increased. 6 Additionally, our new cost estimate 7 includes the 2017 prevailing wage numbers. 8 9 So all of these factors together have led to an increased cost estimate, going from 10 22.8 million to 84.9 million. 11 12 And I do want to the stress that the actual implementation of the remedy hasn't 13 changed. We're doing everything the same, just 14 our estimated cost has increased. 15 16 Leo? 17 MR. CHINGCUANCO: So you might have heard 18 me say this at some other public meetings in the past, but I just want to reiterate that the 19 ESD is -- clarifies how much the cost of the 20 21 remedy will be, but the ESD itself is not a 22 funding mechanism. It doesn't provide money to 23 EPA, and there's not a commitment for money under the ESD to do this work. 24 That said, EPA has other enforcement 25

mechanisms in place. It has a Consent Decree from 2014, and it has two unilateral orders out right now that will implement this work. But since it's a common misconception that, you know, EPA now says that there's a remedy for \$80 million, EPA must have a pot of \$80 million that it must, you know, be able to do whatever it wants with, I just want to be clear that that's not the case.

Right -- the companies, essentially, for

Zone 3, give us money on a rolling basis for

specifically this work. And under the UAOs,

the companies will be performing the work

themselves. So even though the value of that

work might come out to something like 40 or \$50

million, all of those costs will be paid

directly by the companies when they hire a

contractor to do the work.

So just, again, we don't have \$80 million as a result of this ESD.

MS. POPE: Okay. So actually, that really concludes what we have about -- what we have about the ESD. So at this time, we'd like to open the floor for general questions. So if you have a question, we'd like you to stand up

1 so the -- because this meeting is being 2 recorded. We have a stenographer here, so 3 she's going to be recording the whole meeting. So if you have any questions about 4 Okay. the ESD at this time, if you could stand up and 5 ask your question, and Sarah and Leo will 6 answer your questions. 7 Could you stand up? 8 REMONSTRATOR: Yes, I believe the numbers 9 are -- from 2012 to 2017, the cost to excavate 10 and replace a cubic yard of soil went from \$115 11 12 to \$471. Could you explain why that cost increased over four fold in five years? 13 MS. ROLFES: Sure. The number -- the 14 15 115 cubic yards that was included in the 2012 estimate did not include the prevailing wage. 16 17 So these new numbers are much higher due to 18 that and also the type of excavation that we're doing. When we estimated the 115 cubic yard, 19 we estimated we'd be able to use a backhoe. 20 21 That goes much quicker. Now we have several guys that need to hand dig around utilities and 22 23 backyards; it's much slower. So both of those factors together make that cost increase. 24 25 REMONSTRATOR: Thank you.

REMONSTRATOR: Hi, I'm Thomas Frank. I recognize that this is an adjustment on the cost of the project and not any -- there is no change -- no fundamental changes in the definition or scope. I'm concerned about the other issues that we're finding, perhaps with the hydrology of the area and issues like that as well. Is there an opportunity to have the EPA readdress those issues in terms of the cost as well?

We've asked the EPA to do a hydrology study, and we don't know if that is being encompassed in this.

MS. ROLFES: I'm going to have Tim talk for a second because Tim is actually dealing more with the groundwater investigation; he knows more about that than me.

MR. FISCHER: Yeah. I know there are a lot of -- there's a lot of new information you guys have brought up at other meetings previously and the information that you were going to share with the agency. We do have an ongoing remedial investigation related to groundwater at the site, and so those issues will be addressed as part of the groundwater

1	investigation.
2	This relates strictly to the soil.
3	REMONSTRATOR: So this is not reflective
4	of any of that additional, perhaps, cost coming
5	forward?
6	MR. FISCHER: Right.
7	REMONSTRATOR: Okay.
8	MS. ROLFES: Yeah, this is only, again,
9	with the soil for Zone 2 and Zone 3.
10	REMONSTRATOR: Okay.
11	REMONSTRATOR: My question
12	Maritza Lopez with the CCCAG, Zone 3, life-long
13	resident. The reason my question is, is
14	part of this increase due to, also, with the
15	remedial you're finding in Zones 2 and 3?
16	Because back in 2012, paperwork assumed it was
17	airborne, and now you're finding further
18	contamination. Is part of that including also
19	the indoor testing that you're including into
20	this cost?
21	MS. ROLFES: No. This is only for soil.
22	REMONSTRATOR: Okay.
23	MS. ROLFES: Only for soil. And again,
24	this is largely due to when we did the RI, we
25	only sampled 7 percent of the properties so we

1	could determine a remedy. Now we've sampled
2	over 90 percent, so that's why the volume has
3	increased; we had more properties to sample.
4	MS. POPE: Any more questions?
5	REMONSTRATOR: I know that you were
6	originally slated to test all the properties at
7	the early stages before the RAD or the ROD
8	was issued, and then you only investigated 80
9	properties at first. Have you done the testing
10	on all the properties at this point, every
11	single property in Zones 1, 2, and 3?
12	MS. ROLFES: We've only sampled over
13	90 percent. We're still missing access at some
14	of those properties, and we're trying to get
15	access. We've actively been calling them
16	calling them, knocking on doors, sending out
17	mailings. So right now, we're still at over
18	90 percent.
19	REMONSTRATOR: Okay.
20	REMONSTRATOR: Is the ESD also increasing
21	the time frame as well as the money, or
22	MS. ROLFES: No. This is only money.
23	REMONSTRATOR: Could you repeat the
24	question, please?
25	MS. ROLFES: She asked if this ESD also

1	increased the time frame. And I said, no it's
2	only an increase in cost.
3	REMONSTRATOR: Thank you.
4	MS. POPE: Any other questions?
5	REMONSTRATOR: What is the average cubic
6	yard unit taken out of every property?
7	MS. ROLFES: Every property is different.
8	You mean the depth or how much volume from each
9	property?
10	REMONSTRATOR: Well, you should have an
11	average of what the number of properties and
12	how much cubic yards
13	MS. ROLFES: Well, it really depends. I
14	mean, because some of the properties are very
15	small, and some include three or four lots of
16	them. So, you know, on average, we take about
17	12 inches from each property. On average.
18	Some are only 6 and some are 24.
19	REMONSTRATOR: I live in the area, so I
20	understand that you have smaller lots, bigger
21	lots. But if you add all the lots and all the
22	excavation that is done, you should have an
23	average per lot; right?
24	MS. ROLFES: Correct.
25	REMONSTRATOR: Okay. So what is the

1	amount that you're pulling out, and what does
2	it cost per the property?
3	MS. ROLFES: I have a cost per cubic yard
4	in this. I mean, I have an average cost per
5	property.
6	MR. CHINGCUANCO: About \$65,000.
7	MS. ROLFES: It depends. It's about 60,
8	65,000. But that's for everything. That's not
9	just for the excavation. That's for, you know,
10	restoration and everything. So about 60,
11	65,000.
12	REMONSTRATOR: The last time you gave us
13	an estimate of 50,000. Now it's gone up to 65?
14	MS. ROLFES: That's on average. Sixty, 65
15	is probably the highest. We say it is 60, 65.
16	REMONSTRATOR: Okay.
17	REMONSTRATOR: Hi. Bill Emerson,
18	Lake County Surveyor. I just had a question on
19	the location of those properties, the 785, and
20	how if one property may not test you
21	know, may not have a significant amount of lead
22	in the soil, and then although it's an area
23	you tested, but do you have like a map of of
24	the properties, how they're laid out and what
25	the 785 probably not with you now, but is

1	this available?
2	MS. ROLFES: We have a viewer online, and
3	you can look at it block by block.
4	REMONSTRATOR: Okay.
5	MS. ROLFES: But we won't give out
6	anything like property specifics because
7	that's, you know, identifiable information. We
8	don't give that out.
9	REMONSTRATOR: Okay. Thank you.
10	REMONSTRATOR: Hi. I'd like to know, are
11	you guys going to complete the remediation at
12	all in Zone 2?
13	MS. ROLFES: So this year we have at
14	least we have the PRPs on board to do the
15	construction and remediation in Zone 2. We
16	haven't set a schedule yet for how many
17	properties, but we anticipate that they'll at
18	least get a hundred because we did over a
19	hundred last year. That's what we're hoping
20	for. So we're thinking that it will take two,
21	maybe three years to complete Zone 2. That's
22	our schedule.
23	REMONSTRATOR: So how can someone get to
24	the top of the list?
25	MS. ROLFES: I suppose, you know, we could

1	talle Wa sould more priority manageries to the
1	talk. We would move priority properties to the
2	front of the list. But other than that, you
3	know, if there's extenuating circumstances, you
4	might talk to the construction managers when we
5	start meetings this spring. But, you know, we
6	generally only move people to the front of the
7	list if they've been considered a priority
8	property.
9	REMONSTRATOR: Yeah, that's what I'm
10	talking about. If someone is sick, you know
11	what I mean, and they need their property taken
12	care of, you know what I mean, before someone
13	that doesn't have a medical problem or a health
14	problem.
15	MS. ROLFES: Sure. We can talk.
16	REMONSTRATOR: Okay.
17	MS. ROLFES: That would be great.
18	REMONSTRATOR: When is the comment period
19	over?
20	MS. ROLFES: It ends tomorrow.
21	REMONSTRATOR: Okay.
22	REMONSTRATOR: Yeah, I was curious.
23	You're doing dust removal on the interior of
24	houses. Why wasn't that included as part, and
25	why aren't the Administrative Orders being

1	included as part of the Estimated Significant
2	Difference since that is cleanup money or
3	removal money that's being spent on the
4	Superfund Site? Why aren't all these other
5	costs being included?
6	MR. CHINGCUANCO: I think there's two
7	things to unpack there. Well, I guess, could
8	you clarify what you mean by the Administrative
9	Orders? Do you mean that separate from the
10	UAOs which were just issued or
11	REMONSTRATOR: My understanding is that
12	the interior dust removal is being done under
13	the Administrative Orders; is that correct?
14	MR. CHINGCUANCO: Yes, but so is the soil
15	cleanup in Zone 2.
16	REMONSTRATOR: Well, that's because Zone 2
17	was left out of the Consent Decree.
18	MR. CHINGCUANCO: Yes.
19	REMONSTRATOR: Uh-huh.
20	REMONSTRATOR: Yeah, we still are not
21	happy about that either, but why aren't these
22	other costs and other actions that weren't
23	originally proposed that are now undergoing
24	being included as part of the Explanation of
25	Significant Difference?

MR. CHINGCUANCO: Sure. So the

Explanation of Significant Difference is
essentially a footnote to the Record of
Decision that was issued in 2012. And the
Record of Decision only covered the soil at the
site, where the Record of Decision did not
include a discussion of interior dust. And
that's just a function of the -- the remedial
work that we're doing there.

Now, in 2016, as you know, we issued several action memoranda; and again, in 2017 that expanded EPA's authority to do work at the site, to the interior work. Now, those other authorities that are being used have a different, essentially, decision documentation process. And since -- essentially, to maintain consistency with the work that we did in 2016 and 2017 as part -- for the indoor work, it didn't make sense for us to fold back into the remedial process that we have now.

So the ESD is a function of the process that we use to decide a cleanup for the soil.

Because we did not go through that same process for the indoor work, it was through our Removal Program, and was considered essentially more

1	time critical, the ESD doesn't address that.
2	REMONSTRATOR: Can I follow that up,
3	please? Yeah. So why didn't you, instead of
4	issuing an estima or Explanation of
5	Significant Difference, amend the Record of
6	Decision to include these new actions?
7	MR. CHINGCUANCO: It wasn't necessary.
8	Essentially, we already have because the
9	soil remedy was selected in the Record of
10	Decision and there was a cost increase, it
11	wasn't necessary to issue an ESD that said
12	because the interior work was covered under our
13	removal authorities, and there hasn't been any
14	change to that, again, it was there's no
15	need for us to document the you know, well,
16	the lack of changes that have gone on because
17	of that. Essentially, it would be redundant
18	for us to do to issue another decision
19	document for the interior work at this point
20	because we already have one and nothing has
21	changed.
22	REMONSTRATOR: Yeah, well, I except
23	that cuts the public out of the process.
24	MR. CHINGCUANCO: I mean, our goal has
25	been to engage the public as much as possible,

and, you know, to solicit your feedback through as many avenues as possible. That said, you know, I think a lot of EPA authorities don't always include the kind of public engagement that the public always wants; but, you know, there are other, again, mechanisms and venues where your input can be brought to our attention.

REMONSTRATOR: Thank you.

MS. POPE: Any other questions? Because what we can do is if there are no other questions, we can go into our Public Comment Period, and that's when -- at the Public Comment Period, you get up, you make a few -- oh, sorry (retrieving microphone). We can go into our Public Comment Period. At the Public Comment Period, you get up, and you state your name, you spell your last name, and you just make your comment. At that time, EPA does not respond to your comment. Instead, those comments are responded to in what we call a Responsiveness Summary, which is usually available in four to six weeks.

So if there are no more questions and you'd like to start the Public Comment Period,

1	we can do that at this time. Are there
2	any more questions?
3	REMONSTRATOR: Zachary Dong. I'd like to
4	ask you mentioned about a two or three
5	expected about two or three years to clean
6	up Zone 2. What about Zone 3? Do you have an
7	estimate for time?
8	MS. ROLFES: Zone 3 we anticipate we'll
9	finish this year. We might have a few
10	outstanding properties, but we'll finish this
11	year.
12	REMONSTRATOR: Thank you.
13	REMONSTRATOR: We're in Zone 3. You
14	haven't got our property yet.
15	MS. ROLFES: We haven't started scheduling
16	for this year yet. We're going to start that
17	in March.
18	REMONSTRATOR: Okay.
19	MR. CHINGCUANCO: And just to be clear,
20	the reason it's taking longer in Zone 2, as
21	opposed to Zone 3, is that there are more
22	properties in Zone 2 that need remediation.
23	We're cleaning about the same number of
24	properties in each zone each year. There's
25	only so fast we can go; but, yeah, that's just

1	sort of
2	REMONSTRATOR: No, you're not.
3	MR. CHINGCUANCO: that we face.
4	REMONSTRATOR: You're not doing you're
5	not doing it equally. You're doing more
6	properties in Zone 3 than you are in Zone 2.
7	MS. POPE: Okay. So thank you for your
8	comment. So with that, we're going to the
9	Public if there are no more questions, we'll
10	move to the Public Comment Period. And as I
11	said, you know, we'll go by number. You've got
12	numbers when you came in the door, and you'll
13	stand, and you'll, you know, give your name.
14	You'll spell your last name, and then you will
15	give your public comment. And again, at that
16	time, we won't be responding to those comments.
17	They'll be responded to in what we call a
18	Responsiveness Summary, which will probably be
19	available in four to six weeks; okay?
20	So if there are no more questions, whoever
21	has number one, if you could stand up, and you
22	can come up to the podium. If you want the
23	mic, you can have the mic, and you can give
24	your comment.
25	REMONSTRATOR: Thank you. Larry Davis,

D-A-V-I-S. So there will always be significant differences so long as the U.S. EPA continues to make decisions concerning the USS Lead Superfund Site in a piecemeal manner.

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Now, this goes clear back to the original scoring of the site for the NPL. The groundwater migration pathway, the soil exposure pathway, and the drinking water threat, and the human food chain threat, the surface water pathways were not scored as part of the hazard ranking system HRS evaluation, and this set a pattern. So the failure to comprehensively investigate all exposure pathways and determine the full extent of contamination led to a flawed conceptual site model, and that was only based upon aerial deposition and surface water migration. this ignored probable sources of potential contamination from fill historically used throughout the area to develop the Duneland Swale Landscape and wetland areas adjacent to the Grand Calumet River following the establishment of the local lead industries in East Chicago, Indiana.

It also ignores known groundwater

contamination in the Calumet Sand Aguifer, 1 2 which is a dynamic water table aquifer that is directly, hydraulically connected to 3 Lake Michigan, that drinking water threat that 4 U.S. EPA didn't score and continues to ignore. 5 And it's 75 percent quartz. Now, quartz 6 is chemically inert. So 75 percent of the 7 soils in this area basically have zero natural 8 attenuation to hold or stop contaminants 9 10 flowing through. 11 So the Calumet Sand Aquifer has a very low 12 ability to naturally attenuate contaminants such as metals pollution, offers little 13 resistance to the flow and spread of 14 15 contamination throughout the aquifer once groundwater contamination is occurring, and the 16 17 average horizontal conductivity is listed at 18 60 feet per day. As mentioned, only 7 percent of the 19 20 properties were sampled during the remedial 21 investigation, and that directly contributed to 22 today's Explanation of Significant Differences. 23 U.S. EPA has not determined whether or not sources of contamination lie buried deeper 24 within the Superfund Site, and you need look no 25

further than the site next door, which is the DuPont site, at the soil borings for the well logs, for the monitoring wells and isometric wells. Those show a layer cake of sand and waste disposal; okay? Dumps upon dumps. So the assumption that EPA has hit native sand when doing cleanups --

MS. POPE: Thirty seconds.

REMONSTRATOR: -- is flawed because there are numerous instances of this type of fill in the area.

So the significant costs have increased to \$471 a cubic yard. The cost of excavating and replacing one cubic yard of contaminated soil at the US Lead Superfund Site has now reached the level of what a permanent remedy that would require the removal and reclamation of toxic metals from the soil would cost per yard. So we're paying a price that would actually remedy -- a permanent remedy to remove the metals from the soil permanently, both here in this area and the soil being disposed of off site, and it would eliminate the public health threat. But instead, we're getting zero recovery and zero reduction of the toxic

1 threat, even though we're paying now at a rate 2 of what it would cost to actually create a 3 permanent remedy. Thank you. 4 5 MS. POPE: Thank you, Mr. Davis. Number two. Number two? 6 7 (No response.) MS. VACCARELLO: I guess they pass. 8 9 MS. POPE: Okay. Number three. 10 REMONSTRATOR: My name is Maritza Lopez again. I'm a resident -- life-long resident of 11 Zone 3 and chairing the CCCAG, which is known 12 as East Chicago Calumet Coalition Commission 13 that encompasses -- the board is made up from 14 15 residents of the complete Superfund Site. 16 The -- my concern having to do with this 17 ROD and essence of the organization is the fact 18 that -- and I'm going to read this for you: The Explanation of Significant Difference must 19 consider in the context of the history of EPA's 20 21 work at the USS Lead Site. EPA's original 22 Remedial Investigation Feasibility Study 23 included an incomplete assessment of the site. That's one of the biggest concerns because 24 25 right now, with the cost that you're spending

to clean and increasing the cost, you could have chose a better protective measure for all of us and ensure the depth and done accurate testing. Now we're going back. Now we're at the ground studies going into place.

And the indoor testing, that actually took into place when the residents asked for that on September 24th of 2016 in a meeting at Riley Park. 'Cause at that time, Tom O'Connell said he was going to check into a pilot program.

And what's bothersome, if the residents would have not risen up, this pilot program would have not taken place in both Zones 2 and 3. It would not have begun the cleanup that -- that they start testing inside. Then they started realizing that airborne status has changed, how it was stipulated in the original Consent Decree.

The assumption really hurt us because many of us are contaminated, our homes, inside, with led, arsenic, cadmium, and who knows what else. So we have to be very careful into the plan that was chosen. And I was one that stated openly four times the amount isn't sufficient for me to safeguard as a resident because the

health tests haven't been done, the health risk assessment haven't been done, full cleanup hasn't been done. If there's seepage coming into the homes, guess what, you're going to have to come back and reclean -- did you account for that -- until that process is taken care of.

These are actual costs that should not be given to the property owner, the renter, or the resident. We are not held accountable; the responsible parties are. And the fact that we have been waiting these umpteen decades and being contaminated, really, personally feeling, I feel you should have requested even more, because you're covering the soil remediation, but the rest of the stuff is not truly taken care of. Groundwater study's just beginning. We don't know about the seepage contaminants coming in on that.

MS. POPE: Thirty seconds.

REMONSTRATOR: So with that being said, there's going to be additional costs coming, and we're not going to be fully protected.

And with that, I leave you. And I did leave fliers on the table. Please get it.

1	Indiana Legal Aid is giving assistance to
2	anybody affected or contaminated with lead in
3	the Superfund Site. Please grab it. They're
4	meeting at Friendship Church and at North
5	Township Trustee's Office. Please pass the
6	word. Thank you.
7	MS. POPE: Number four.
8	(No response.)
9	MS. POPE: Number four?
10	(No response.)
11	MS. POPE: Number five.
12	(No response.)
13	MS. POPE: Number six.
14	REMONSTRATOR: Thanks. Thomas Frank,
15	F-R-A-N-K. I just have one comment, very
16	simple, is: To address the Explanation of
17	Significant Difference does not address a
18	fundamental change in the scope of the project,
19	especially when the characterization of the
20	Superfund Site had not been completed early in
21	the process. I think we need to re-scope the
22	project to include hydrology and the other
23	impacts that we are discovering through the
24	public process.
25	And that's really it. Thank you.

	_
1	MS. POPE: Number seven.
2	(No response.)
3	MS. VACCARELLO: No seven. Eight is the
4	last number.
5	MS. POPE: Number eight.
6	(No response.)
7	MS. VACCARELLO: (Inaudible).
8	MS. POPE: That was it?
9	MS. VACCARELLO: Uh-huh.
10	MS. POPE: Is there anyone who wants to
11	give a public comment but did not get a number?
12	You want to do a public is there anyone?
13	(No response.)
14	MS. POPE: No one?
15	REMONSTRATOR: Perhaps you should give
16	more time, since you've got an hour and a half
17	and you cut people off.
18	REMONSTRATOR: Yeah.
19	MS. POPE: Okay. Again, is there anyone
20	who did not get a number, and you would like to
21	do a public comment? Is there anyone?
22	(No response.)
23	MS. POPE: No?
24	(No response.)
25	MS. POPE: Is there anyone here that has a

1	question? Besides Larry.
2	So could you stand up, and we'll go back
3	to the Q-and-A session briefly, and so Sarah
4	and Leo, could you come back up?
5	REMONSTRATOR: Very briefly, Richard
6	Morrisroe, M-O-R-R-I-S-R-O-E.
7	Where do we email any comments? I presume
8	we have till close of business tomorrow to
9	email them, and what is that email address?
10	MS. POPE: Okay. You can email your
11	comments to me. Last name Pope, P-O-P-E,
12	Janet@EPA.gov. We also have public comment
13	sheets in the back. You can write them and
14	submit them now. You could also, again, email
15	them to me or email them to the web page. You
16	can also do it there. The Public Comment
17	Period ends tomorrow.
18	Yes, we do have a public comment portal on
19	our website, so you can go to the USS Lead
20	website. And on that website you can submit
21	comments that way as well. Okay?
22	Come on, Larry.
23	REMONSTRATOR: So EPA has said that they
24	are going to address the DuPont off-site
25	contaminated groundwater in the residential

area under Superfund instead of the RCRA corrective action process. Is that going to require another Explanation of Significant Difference?

MR. FISCHER: Well, we actually have an operable unit associated with the Superfund Site that is specific to groundwater that we have not selected a remedy for. That's the Operable Unit 2, groundwater operable unit. So once we conduct the investigation, we will determine if any action is necessary for the area underneath the neighborhood and the USS Lead Site, and we will make a remedial decision at that -- at that point. So it won't be any ESD or a ROD amendment. It will be a brand-new ROD for that operable unit.

And then, yes, you're right, there's ongoing work associated with the RCRA program on the Chemorous facility. And, you know, there's some coordination that we'll have to do with respect to what they're doing on that property and in the neighborhood, and we will sort that out when the time comes, when we select the remedy.

REMONSTRATOR: So how are you ensuring

1	that the remedy you selected for
2	Operable Unit 1, the residential area, is not
3	incompatible with what you're going to have to
4	do to address the Operable Unit 2, the lead
5	smelter site and site-wide groundwater?
6	MR. FISCHER: You mean incompatible in
7	terms of technology or 'cause, I mean,
8	it's
9	REMONSTRATOR: Its selection. Since
10	you've only decided to go down 2 feet
11	maximum
12	MR. FISCHER: Uh-huh.
13	REMONSTRATOR: you know, in most cases,
14	you have to remove the source of the
15	groundwater contamination in order to prevent
16	it from continuing to contaminate the
17	groundwater.
18	MR. FISCHER: And that is something that
19	we will assess as part of the Operable Unit 2
20	investigation.
21	REMONSTRATOR: How are you ensuring that
22	there's not any incompatibility?
23	MR. FISCHER: I guess I don't completely
24	understand, but we will look for sources of
25	groundwater contamination. To the extent that

1	there are sources that we can identify, we will
2	take actions to remove or treat those sources.
3	REMONSTRATOR: And if those sources happen
4	to be deeper than 2 feet?
5	MR. FISCHER: Yeah, because the soil
6	cleanup is designed to protect residents,
7	prevent exposure to the contaminated soil, it's
8	a different objective than finding sources of
9	groundwater contamination and eliminating
10	those.
11	REMONSTRATOR: It seems inefficient to not
12	address the entire site in its entirety to
13	begin with.
14	MR. FISCHER: Yeah, I understand your
15	comment. We divided the site up into two
16	different operable units. We don't anticipate,
17	really, any complication associated with
18	implementing the OU-2 remedy after the OU-1
19	remedy or at the same time. So thank you.
20	REMONSTRATOR: Thank you.
21	REMONSTRATOR: If I could follow up on
22	that.
23	MS. POPE: Excuse me. Excuse me,
24	everybody. Now, this is supposed to be an ESD
25	meeting. I understand you have questions

1	regarding other things with the site. You
2	know, really, I do understand that. But we are
3	going to have a meeting in the spring that's
4	going to address those issues as well. So, you
5	know, we may not have the people that you need
6	here to answer those questions. So, you know,
7	bear with us; okay?
8	Okay. Go ahead.
9	REMONSTRATOR: Thank you. I appreciate
10	that. I appreciate, Larry, your questions,
11	because now I'm just asking for a
12	clarification.
13	The DuPont is being pushed into a
14	Superfund program that's going to be connected
15	to Operative Unit 2? Is that what I'm hearing?
16	Or is it going to be something completely
17	separate
18	REMONSTRATOR: No.
19	REMONSTRATOR: from this
20	MS. ROLFES: The DuPont site is under
21	RCRA, and it will stay under RCRA.
22	REMONSTRATOR: So there is no marriage
23	with Operative Unit 2.
24	MS. ROLFES: Correct. There's some
25	coordination between Superfund and RCRA because

1	we're dealing with the groundwater
2	contamination outside of the RCRA site.
3	REMONSTRATOR: Right.
4	MS. ROLFES: So there's internal
5	coordination.
6	REMONSTRATOR: Yeah. Thank you.
7	MS. ROLFES: Yes.
8	REMONSTRATOR: Off-site groundwater.
9	MS. POPE: Anybody else have any
10	questions?
11	REMONSTRATOR: I do.
12	MS. POPE: Yes. Come on.
13	REMONSTRATOR: My question is: What
14	prevented EPA from amending this for us?
15	Really, to allow us to the opportunity,
16	further, by allowing an amendment to this ROD
17	on the legal basis? What prevented that?
18	MR. CHINGCUANCO: Right. No. We're
19	halfway through implementing the remedy, and we
20	think it's the correct remedy, and it hasn't
21	changed. You know, I understand, obviously,
22	that there you know, some people believe
23	that the wrong remedy was selected, but EPA has
24	gone through the process it has of remedy
25	selection

THE REPORTER: "Gone through the process
of?"

MR. CHINGCUANCO: Remedy selection to

produce the remedy that we have now. And that hasn't changed, and nothing about the fact that the cost has gone up affects our thinking as to whether or not we selected the correct remedy. We still think that we've selected the correct remedy, even with the cost increase.

REMONSTRATOR: Does it still leave a window of opportunity? I just -- you know, I hear what residents bring, and those are main concerns. Does it bring a win-- is EPA open to a window of opportunity of considering amendment? Let's put it that way. From this point forward. And I understand what you have done, but should --

MR. CHINGCUANCO: EPA has a five-year review process of a Superfund site, which means that at least once every five years, we will evaluate the remedies that we've put in place to see whether or not it's still protected.

Right? So if we get a lot of new information from the community that says, you know, you dug up 2 feet out of all these yards, but it turns

1 out that's actually not enough to protect us 2 from the contamination in the soil, you know, 3 we might have to revisit the remedy at that And if it were large, fundamental time. 4 change, then there would, I guess, be a ROD 5 amendment process at that time. 6 I don't think we think that's going to 7 happen; but, you know, in theory, there is a 8 If it really turned out that we had 9 mechanism. 10 messed this up and that the remedy we selected was completely wrong, and we find that out, you 11 know, we'll come back and fix it. 12 REMONSTRATOR: I just -- as long as 13 there's a window of opportunity. I mean --14 15 MR. CHINGCUANCO: Yeah. 16 MS. POPE: Are there any other questions? 17 Yes, sir. 18 REMONSTRATOR: Back to the mapping question, I'm sorry, but are you going to map 19 20 each property that tests positive for lead 21 I mean, my concern is that are there soil? 22 properties in the middle of a bunch of 23 properties that were tested, test positive, and one that didn't in the middle. I guess I'm 24 just curious that -- you know, make that 25

available or is that available? 1 2 MS. ROLFES: Again, we don't make 3 individual maps available. Those are specific to each property owner. That's private 4 information. But our -- if you go to our USS 5 Lead website, we have a link to an external 6 viewer, and we have all of the data there. 7 It's just broken down by block. 8 9 REMONSTRATOR: Okay. 10 MS. ROLFES: So you can see depth of 11 contamination for that block and, you know, 12 number of samples collected, highest concentration, and active status of remediation 13 on that web viewer. And that's as detailed as 14 15 we'll get for the general public. 16 REMONSTRATOR: Okay. But based on your 17 review, there's no, you know, areas where you'd 18 imagine there would be lead contamination in the property, but the test came up negative for 19 20 whatever reason, anything like that? It's just 21 generally grouped into areas that are all 22 positive? 23 MR. CHINGCUANCO: It's pretty randomly 24 distributed. 25 MS. ROLFES: We have some houses that have

1	it in front and some houses that have it in
2	back and some have it in both, and that's just
3	the nature of the fill. It's just the nature
4	of it.
5	REMONSTRATOR: Okay. Thanks.
6	MS. POPE: Any other questions?
7	(No response.)
8	MS. POPE: Are there any other questions?
9	(No response.)
10	MS. POPE: Are there any other questions?
11	REMONSTRATOR: I do.
12	MS. VACCARELLO: There's a question here.
13	MS. POPE: Question in back. Okay.
14	REMONSTRATOR: If you turned down to get
15	your house cleaned inside, could you still get
16	it done if you change your mind? They did the
17	yard and but they didn't
18	MS. ROLFES: Yes. If you're interested,
19	I'd love to talk to you afterwards and get your
20	address, and we can sign you up. We're
21	actually trying to actively call everyone that
22	denied it to see if they'll let us do it again.
23	So that would be great.
24	REMONSTRATOR: Thank you.
25	MS. POPE: Any other questions?

1	(No regnence)
	(No response.)
2	MS. POPE: No other questions?
3	(No response.)
4	MS. POPE: Is there anyone that wants to
5	give a public comment at this time that did not
6	get a chance to do so the first time? Is there
7	anyone that would like to give a public comment
8	at this time?
9	(No response.)
10	MS. POPE: Okay. So what we'll do then
11	we're finished with the hearing. We're
12	finished.
13	REMONSTRATOR: What if we want to give an
14	additional comment?
15	MS. POPE: How long you talking about,
16	Larry?
17	REMONSTRATOR: Half a page?
18	MS. POPE: Can you you can actually
19	submit that page to the court reporter.
20	REMONSTRATOR: I want to submit it too,
21	but it's for the public here.
22	MS. POPE: Well, it will be in the
23	Responsiveness Summary. They'll have a chance
24	to read it.
25	REMONSTRATOR: Yeah, I'd rather have them

1	hear it tonight. I don't understand why people
2	are being limited when you got an extra hour.
3	MS. POPE: Is there anybody here that did
4	not get a chance to submit a public comment
5	that would like to do so now?
6	(No response)
7	MS. POPE: Okay, Larry. 'Cause you know I
8	was going to stay on you.
9	REMONSTRATOR: Hey, Larry, I didn't
10	videotape it. Can you go back to the
11	beginning?
12	MS. POPE: Come on, Larry.
13	REMONSTRATOR: Not long at all.
14	MS. POPE: Okay. Go ahead.
15	REMONSTRATOR: All right. So two points I
16	want to make: Some of these metals we're
17	talking about are strategic metals that the
18	United States is short on; okay? One of them
19	is antimony, both present at the DuPont site
20	and the USS Lead Site. And we're doing nothing
21	to recover these metals, even though they are
22	strategic metals that we're going to be
23	short 26,187 short tons of; okay? These
24	metals have economic value.
25	So if we were at this price

actually, at half of the price we're paying, we 1 2 could be recovering these valuable metals, we could have a marketable -- which would reduce 3 the cost further, which means you could 4 actually clean it all up, not just 2 feet. 5 could remove the sources of the groundwater 6 contamination without being incompatible with 7 the remedies you've selected. You're paying 8 for that; okay? So that's the first point. 9 The second point is a list of questions 10 11 that EPA needs to answer to the public; okay? 12 So how much contamination, both volume and concentration, of hazardous and toxic 13 contaminants are being left behind in the 14 15 community in total? How much contamination, both volume and 16 17 concentration, of hazardous and toxic 18 contaminants are being disposed of in the off-site community in total? 19 20 How many people currently live on the US 21 Superfund Site -- USS Lead Superfund Site? 22 How many children currently live on the 23 USS Lead Superfund Site? How many elderly persons currently live 24 within the USS Lead Superfund Site? 25

1 How many people are tenants, renters, 2 within the USS Lead Superfund Site? 3 And how many property owners are there within the USS Lead Superfund Site? 4 How many businesses and institutions are 5 within the USS Lead Superfund Site? 6 And what are the historical and current 7 trends in those demographics just cited 8 9 concerning the community affected by the USS Superfund Site? 10 11 And most importantly, how does the U.S. 12 EPA plan to prevent the next generation of children from being impacted by the remaining 13 hazardous and toxic contamination within the 14 15 community? 16 U.S. EPA needs to comprehensively 17 investigate and map the full extent, breadth and depth, of hazardous and toxic contamination 18 within the USS Lead Superfund Site from all 19 sources of contaminants and then reevaluate any 20 21 significant differences in determining whether 22 or not the current removal actions and selected 23 remedial activities are effective over the long term in protecting human health and environment 24 25 and meet the requirements of the Superfund

1	Amendments and Reauthorization Act to achieve a
2	permanent remedy.
3	Thank you.
4	REMONSTRATOR: All right. That sounds
5	good to me.
6	MS. POPE: Is there is there anyone
7	else?
8	REMONSTRATOR: No. I just wanted to
9	comment what he just said made a whole lot of
10	sense to me. Because there's no sense in half
11	doing something and you're not cleaning up the
12	problem.
13	And like he said, we might not be here,
14	but do we expect our kids to be here? Do we
15	expect to still have a city called East Chicago
16	in 25 years, in 50 years? What will it look
17	like? Will it be any people in this Superfund
18	Site area, or will we all be, I mean, gone?
19	REMONSTRATOR: Dead and gone.
20	REMONSTRATOR: And our kids' our kids'
21	kids are gone. Our kids are gone. Nobody's
22	here.
23	So what are we looking for? What is our
24	goal? And so we have to look deeper than what
25	we're looking. We have to do more than what

1	we're doing in order to just make sure that the
2	lead is gone, not just put a bandage on a
3	gaping wound.
4	I agree with him.
5	MS. POPE: Thank you for your comment.
6	Is there anyone else that would like to
7	give a public comment?
8	(No response.)
9	REMONSTRATOR: Cookies and coffee?
10	MS. POPE: (Indicating).
11	REMONSTRATOR: Me? You don't want to hear
12	what I got to say.
13	MS. POPE: Yes, I do. We really would
14	like to hear what you have to say. This is
15	your chance to say it. Sure.
16	REMONSTRATOR: Yep, considering it ain't
17	gonna do no good anyway.
18	REMONSTRATOR: We'd like to hear it. I'd
19	like to hear it.
20	REMONSTRATOR: My only main concern is
21	Zone 2. Like we get nothing over there. I
22	mean, seeing as how Zone 2 1 and 2 was the
23	one that bust this all wide open. You know
24	what I'm saying? If it wasn't for us, nobody
25	would know about what they have. But we're on

1	the back burner. You're focusing over there on
2	Zone 3. Brings back memories of how, back in
3	my day, we couldn't even go over there; okay?
4	So now you put all your focus over there, and
5	none in Zone 2.
6	So it bothers me, and it bothers the
7	residents. Why we always on the back burner?
8	We have more lead and contamination over there
9	in Zone 2 than they do over there.
10	REMONSTRATOR: Huh-uh.
11	REMONSTRATOR: We have more children over
12	there in Zone 2 than they do over there.
13	I'm glad I got to vent.
14	MS. POPE: Thank you for your comments.
15	REMONSTRATOR: To cherry-pick on that, can
16	we get a commitment from the EPA to hold their
17	meetings in Zone 2 at the Martin Luther King
18	Center now that Carrie Gosch is no longer
19	available to you?
20	MS. POPE: Oftentimes, because that's city
21	property, they denied us access to it. But we
22	can try again. But I have tried to get there.
23	REMONSTRATOR: There's also churches we
24	could supply you with that we have meetings
25	MS. POPE: Yeah, Sherry shared that with

1	me earlier this week, so we'll be looking into
2	that as well.
3	REMONSTRATOR: Thanks.
4	MS. POPE: Is there any other questions?
5	Just trying, because, you know, it's till 7:30,
6	and I want people to, you know, get the
7	questions answered. I want you to be sure to
8	make your comments because they are going to be
9	going in a record here. So, you know, this is
10	the chance to do it.
11	(No response.)
12	MS. POPE: Going once.
13	(No response.)
14	MS. POPE: Going twice.
15	(No response.)
16	REMONSTRATOR: Bingo.
17	MS. POPE: Okay. Gone. We'll be we'll
18	stick around till 7:30. We'll stick around
19	till 7:30. If you have any individual
20	questions that you'd like to ask, like on a
21	one-on-one, we'll stay till 7:30.
22	Okay. Thank you all for coming, so much.
23	Public Comment Period ends tomorrow. Get your
24	comments in. Thank you.
25	(Public hearing concluded at

1	6:26 p.m.)
2	00000
3	UNITED STATES ENVIRONMENTAL PROTECTION AGENCY PUBLIC MEETING
4	RE: ESTIMATED INCREASED CLEANUP COSTS USS LEAD SUPERFUND SITE
5	at PASTRICK BRANCH LIBRARY
6	1008 W. Chicago Avenue, East Chicago, Indiana Thursday, February 15, 2018
7	5:30 o'clock p.m.
8	REPORTER'S CERTIFICATE
9	I, PAMELA S. OWEN, CSR, RPR, and Notary Public for the County of Lake, State of Indiana, do hereby
10	certify that I reported in machine shorthand the foregoing proceedings had in the above-entitled
11	matter, at the time and place herein before set forth; and I do further certify that the foregoing
12	transcript, consisting of forty-nine (49) typewritten pages, is a true and correct transcript
13	of my said stenographic notes.
14	Signed this 19th day of February, 2018.
15	
16	
17	
18	
19	
20	
21	
22	Delwen
23	PAMELA S. OWEN, CSR, RPR IL Lic. No. 084-002294
24	Notary Public, Lake County, IN My Commission Expires: 8/1/24
25	

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