BEFORE THE OFFICE OF ADMINISTRATIVE LAW JUDGES

U.S. ENVIRONMENTAL PROTECTION AGENCY SPRINGFIELD, MO

+ + + + +

:

IN THE MATTER OF:

:

NEW PRIME, INC.,

.

Respondent.

: RCRA-08-2020-0007

:

Volume I

Monday,

October 24, 2022

The above-entitled matter came on for hearing, pursuant to notice, at 8:00 a.m. CDT

BEFORE:

THE HONORABLE CHRISTINE COUGHLIN

Administrative Law Judge

APPEARANCES:

On Behalf of New Prime, Inc.:

MARK RYAN, ESQ.

of: MARK RYAN LAW, PLLC

P.O. Box 3006

Withrop, WA, 98862

509-557-5447

mr@ryankuehler.com

and

SCOTT MCKAY, ESQ.

of: NEVIN, BENJAMIN AND MCKAY LLP

P.O. Box 2772 Boise, ID, 83701 208-343-1000

smckay@nbmlaw.com

On Behalf of the Environmental Protection Agency Region VIII:

LAURIANNE JACKSON, ESQ.,

CHARLES FIGUR, ESQ.

Environmental Protection Agency

of: Office of Regional Counsel

Region 8

1595 Wynkoop Street Denver, CO 80202-1129

303-312-6312

figur.charles@epa.gov

jackson.laurianne@epa.gov

CONTENTS

EPA. Resp	ondent		
WITN:	ESS DIRECT CROSS REDIRECT RE	CROSS	
Marc	Callaghan		
EXHI	BIT NO.	MARK	REC
Comp	lainant		
7	Idaho Dept. of Environmental	90	11
	Quality inspection report		
9	Investigation Activity Report	115	11
10	titled Prime, Inc. IAR concerning inspection of	49	7
10	trailer with Brian Singleton	43	,
	and Peter Christiansen		
12	Waste manifest from Prime, Inc.		
14	Various reports	120	12
16	Investigative Activity Report	122	12
	RE interview of Mark Lowe		
17	Investigative Activity Reports	123	12
18	Investigative Activity Report	125	12
	summarizing interview and		
19	documents of Derek Kanesek	127	12
19	Incident report from Boise Fire Department	127	12
20	IAR, Interview Captain Grainger	128	12
22	Recorded interview Sandy Derrick	131	13
23	Recorded interview Tim Corder	135	13
24	Invoices from CWE	136	13
25	Interview documents of Simmons	138	13
26	Interview Noel Bailey	140	14
27	IAR: 4/27/16 receipt	142	14
	of B&W records		
28	EPA Hazard Identification	144	14

	4		
	HBIT NO. MARK RECD nplainant		EXHIBIT NO. MARK RECD
29	Interview Brett Bauer and 145 146		Complainant
	Steve Mares Consent search 147 148		Respondent
	6/28/16 transcript of recorded 148 149 interview Tim Corder		4 8: 8
32	Safety data sheet for universal		1 Prime Presence 35
	urethane yellow primer Receipt of allegations from IDEQ 150 151		2 Prime Network 3 Idaho State CC Hazmat
53	Interview and invoice 152 153		4 Boise Fire Dept
	receipt of Janousek Interview IKD Employees Vaughn, 153 155		5 King Hill Rural Fire Dist.
	Myers, and Bowden Recorded interview Steven Drake 155 157		6 Resume of Kelly O'Neill 35
56	Recorded interview Darren Byes 157 158		7 IAR Chief Janousek
	Interview David McCollum 159 159 Interview Joni Stewart 160 161		8 IAR Chief Janousek
	7/19/16 transcript of recorded 162 163 interview Gary Broderick		9 IAR B&W
60	Interview Thomas Leman 163 164 and J.B. Hunt		10 IAR Corder
61	4/14/16 recorded interview 165 165		11 IAR Vaughn
	of Rick Lee 3/31/16 recorded interview 166 167		12 IAR Gillerman13 Google aerial SLC Terminal area
	of David McCullough National response inquiry 168 169		14 Google aerial, SLC
75	Dr. Miller's expert report		Terminal neighborhood
	Affidavit prepared by 63 74 Marc Callaghan		15 Google aerial, SLC Terminal
77	Resume of Marc Callaghan 43 44 pulated: 1, 2, 6, 8, 13,		16 Paint disposal
	32, 33, 34, 35, 36, 37,		17 Trailer disposal
	39, 40, 41, 42, 43, 44, 46, 47, 49, 50, 64 and		18 Walker CV
67)			19 Weather Data SLC 35
			20 Expert Report Dr. E. Walker
1	6	1	
1	P-R-O-C-E-E-D-I-N-G-S		to please just identify yourselves for the record
2	(9:35 a.m.)		and the converse frame the second coverse as a
2	HIDOLOGICALIA OL	2	and then we'll go from there and cover some
3	JUDGE COUGHLIN: Okay, good morning,	3	logistics in the beginning. I'll begin with Region
4 e	everyone. I'm Christine Coughlin. I'm an	3 4	logistics in the beginning. I'll begin with Region 8.
4 e	everyone. I'm Christine Coughlin. I'm an Administrative Law Judge with the Environmental	3 4 5	logistics in the beginning. I'll begin with Region 8. MS. JACKSON: Sure. Good morning, Your
4 e 5 A 6 P	everyone. I'm Christine Coughlin. I'm an Administrative Law Judge with the Environmental Protection Agency. And I have been designated to	3 4 5 6	logistics in the beginning. I'll begin with Region 8. MS. JACKSON: Sure. Good morning, Your Honor. My name is Laurianne Jackson. And thank you
4 e 5 A 6 P 7 p	everyone. I'm Christine Coughlin. I'm an Administrative Law Judge with the Environmental Protection Agency. And I have been designated to preside over this matter.	3 4 5 6 7	logistics in the beginning. I'll begin with Region 8. MS. JACKSON: Sure. Good morning, Your Honor. My name is Laurianne Jackson. And thank y for your patience this morning while we were getting.
4 e 5 A 6 P 7 p 8	everyone. I'm Christine Coughlin. I'm an Administrative Law Judge with the Environmental Protection Agency. And I have been designated to preside over this matter. In the matter of New Prime, Inc., the	3 4 5 6 7 8	logistics in the beginning. I'll begin with Region 8. MS. JACKSON: Sure. Good morning, Your Honor. My name is Laurianne Jackson. And thank y for your patience this morning while we were getting the virtual stuff set up.
4 e 5 A 6 P 7 p 8 9 R	everyone. I'm Christine Coughlin. I'm an Administrative Law Judge with the Environmental Protection Agency. And I have been designated to preside over this matter. In the matter of New Prime, Inc., the Respondent and Region 8 of the Environmental	3 4 5 6 7 8 9	logistics in the beginning. I'll begin with Region 8. MS. JACKSON: Sure. Good morning, Your Honor. My name is Laurianne Jackson. And thank y for your patience this morning while we were gettir the virtual stuff set up. JUDGE COUGHLIN: No problem.
4 e 5 A 6 P 7 p 8 9 R 10 P	everyone. I'm Christine Coughlin. I'm an Administrative Law Judge with the Environmental Protection Agency. And I have been designated to preside over this matter. In the matter of New Prime, Inc., the Respondent and Region 8 of the Environmental Protection Agency. The Docket No. is RCRA-08-2020-	3 4 5 6 7 8 9	logistics in the beginning. I'll begin with Region 8. MS. JACKSON: Sure. Good morning, Your Honor. My name is Laurianne Jackson. And thank y for your patience this morning while we were gettir the virtual stuff set up. JUDGE COUGHLIN: No problem. MR. FIGUR: Good morning, Your Honor.
4 e 5 A 6 P 7 p 8 9 R 10 P 11 0	everyone. I'm Christine Coughlin. I'm an Administrative Law Judge with the Environmental Protection Agency. And I have been designated to preside over this matter. In the matter of New Prime, Inc., the Respondent and Region 8 of the Environmental Protection Agency. The Docket No. is RCRA-08-2020-2007.	3 4 5 6 7 8 9 10	logistics in the beginning. I'll begin with Region 8. MS. JACKSON: Sure. Good morning, Your Honor. My name is Laurianne Jackson. And thank y for your patience this morning while we were getting the virtual stuff set up. JUDGE COUGHLIN: No problem. MR. FIGUR: Good morning, Your Honor. Charles Figur for EPA.
4 e 5 A 6 P 8 9 R 10 P 11 0 12	everyone. I'm Christine Coughlin. I'm an Administrative Law Judge with the Environmental Protection Agency. And I have been designated to preside over this matter. In the matter of New Prime, Inc., the Respondent and Region 8 of the Environmental Protection Agency. The Docket No. is RCRA-08-2020-2007. We are here in Springfield, Missouri and	3 4 5 6 7 8 9 10 11	logistics in the beginning. I'll begin with Region 8. MS. JACKSON: Sure. Good morning, Your Honor. My name is Laurianne Jackson. And thank y for your patience this morning while we were getting the virtual stuff set up. JUDGE COUGHLIN: No problem. MR. FIGUR: Good morning, Your Honor. Charles Figur for EPA. JUDGE COUGHLIN: Good morning.
4 e 5 A 6 P 8 9 R 10 P 11 0 12 L 3 t	everyone. I'm Christine Coughlin. I'm an Administrative Law Judge with the Environmental Protection Agency. And I have been designated to preside over this matter. In the matter of New Prime, Inc., the Respondent and Region 8 of the Environmental Protection Agency. The Docket No. is RCRA-08-2020-2007. We are here in Springfield, Missouri and the date is Monday, October 24th of 2022. And we	3 4 5 6 7 8 9 10 11 12 13	logistics in the beginning. I'll begin with Region 8. MS. JACKSON: Sure. Good morning, Your Honor. My name is Laurianne Jackson. And thank y for your patience this morning while we were gettir the virtual stuff set up. JUDGE COUGHLIN: No problem. MR. FIGUR: Good morning, Your Honor. Charles Figur for EPA. JUDGE COUGHLIN: Good morning. MR. McKAY: Good morning, Your Honor. My
4 e 5 A 6 P 7 p 8 9 R 10 P 11 0 12 13 t 14 a	everyone. I'm Christine Coughlin. I'm an Administrative Law Judge with the Environmental Protection Agency. And I have been designated to preside over this matter. In the matter of New Prime, Inc., the Respondent and Region 8 of the Environmental Protection Agency. The Docket No. is RCRA-08-2020-2007. We are here in Springfield, Missouri and the date is Monday, October 24th of 2022. And we are getting started relatively on time. It's 8:37	3 4 5 6 7 8 9 10 11 12 13	logistics in the beginning. I'll begin with Region 8. MS. JACKSON: Sure. Good morning, Your Honor. My name is Laurianne Jackson. And thank y for your patience this morning while we were getting the virtual stuff set up. JUDGE COUGHLIN: No problem. MR. FIGUR: Good morning, Your Honor. Charles Figur for EPA. JUDGE COUGHLIN: Good morning. MR. McKAY: Good morning, Your Honor. My name is Scott McKay. Nice to meet you.
4 e 5 A 6 P 7 p 8 9 R 10 P 11 0 12 13 t 14 a 15 a	everyone. I'm Christine Coughlin. I'm an Administrative Law Judge with the Environmental Protection Agency. And I have been designated to preside over this matter. In the matter of New Prime, Inc., the Respondent and Region 8 of the Environmental Protection Agency. The Docket No. is RCRA-08-2020-2007. We are here in Springfield, Missouri and the date is Monday, October 24th of 2022. And we are getting started relatively on time. It's 8:37 i.m. in the morning local time.	3 4 5 6 7 8 9 10 11 12 13 14	logistics in the beginning. I'll begin with Region 8. MS. JACKSON: Sure. Good morning, Your Honor. My name is Laurianne Jackson. And thank y for your patience this morning while we were getting the virtual stuff set up. JUDGE COUGHLIN: No problem. MR. FIGUR: Good morning, Your Honor. Charles Figur for EPA. JUDGE COUGHLIN: Good morning. MR. McKAY: Good morning, Your Honor. My name is Scott McKay. Nice to meet you. JUDGE COUGHLIN: Nice to meet you.
4 e 6 P 7 p 8 9 R 10 P 11 0 12 13 t 14 a a 16	everyone. I'm Christine Coughlin. I'm an Administrative Law Judge with the Environmental Protection Agency. And I have been designated to preside over this matter. In the matter of New Prime, Inc., the Respondent and Region 8 of the Environmental Protection Agency. The Docket No. is RCRA-08-2020-2007. We are here in Springfield, Missouri and the date is Monday, October 24th of 2022. And we are getting started relatively on time. It's 8:37 t.m. in the morning local time. I'd like to identify two attorneys that	3 4 5 6 7 8 9 10 11 12 13 14 15 16	logistics in the beginning. I'll begin with Region 8. MS. JACKSON: Sure. Good morning, Your Honor. My name is Laurianne Jackson. And thank y for your patience this morning while we were gettir the virtual stuff set up. JUDGE COUGHLIN: No problem. MR. FIGUR: Good morning, Your Honor. Charles Figur for EPA. JUDGE COUGHLIN: Good morning. MR. McKAY: Good morning, Your Honor. My name is Scott McKay. Nice to meet you. JUDGE COUGHLIN: Nice to meet you. MR. McKAY: I'm with Nevin, Benjamin and
4 e 6 P 7 P 8 9 R 10 P 11 0 112 113 t 114 a a 116 117 h	everyone. I'm Christine Coughlin. I'm an Administrative Law Judge with the Environmental Protection Agency. And I have been designated to preside over this matter. In the matter of New Prime, Inc., the Respondent and Region 8 of the Environmental Protection Agency. The Docket No. is RCRA-08-2020-2007. We are here in Springfield, Missouri and the date is Monday, October 24th of 2022. And we are getting started relatively on time. It's 8:37 a.m. in the morning local time. I'd like to identify two attorneys that have accompanied me to this hearing. To my right is	3 4 5 6 7 8 9 10 11 12 13 14 15 16	logistics in the beginning. I'll begin with Region 8. MS. JACKSON: Sure. Good morning, Your Honor. My name is Laurianne Jackson. And thank y for your patience this morning while we were getting the virtual stuff set up. JUDGE COUGHLIN: No problem. MR. FIGUR: Good morning, Your Honor. Charles Figur for EPA. JUDGE COUGHLIN: Good morning. MR. McKAY: Good morning, Your Honor. My name is Scott McKay. Nice to meet you. JUDGE COUGHLIN: Nice to meet you. MR. McKAY: I'm with Nevin, Benjamin and McKay in Boise, Idaho.
4 e 6 P 7 P 8 9 R 10 P 11 12 13 t 14 a a 15 a 16 17 h 18 N	everyone. I'm Christine Coughlin. I'm an Administrative Law Judge with the Environmental Protection Agency. And I have been designated to preside over this matter. In the matter of New Prime, Inc., the Respondent and Region 8 of the Environmental Protection Agency. The Docket No. is RCRA-08-2020-2007. We are here in Springfield, Missouri and the date is Monday, October 24th of 2022. And we are getting started relatively on time. It's 8:37 a.m. in the morning local time. I'd like to identify two attorneys that have accompanied me to this hearing. To my right is Michael Wright, he is an Senior Attorney Advisor	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	logistics in the beginning. I'll begin with Region 8. MS. JACKSON: Sure. Good morning, Your Honor. My name is Laurianne Jackson. And thank y for your patience this morning while we were gettir the virtual stuff set up. JUDGE COUGHLIN: No problem. MR. FIGUR: Good morning, Your Honor. Charles Figur for EPA. JUDGE COUGHLIN: Good morning. MR. McKAY: Good morning, Your Honor. My name is Scott McKay. Nice to meet you. JUDGE COUGHLIN: Nice to meet you. MR. McKAY: I'm with Nevin, Benjamin and McKay in Boise, Idaho. JUDGE COUGHLIN: Okay, good morning.
4 e 6 P 7 p 8 9 R 10 P 11 0 12 113 t 14 a a 16 16 17 h 18 N v 119 v	everyone. I'm Christine Coughlin. I'm an Administrative Law Judge with the Environmental Protection Agency. And I have been designated to preside over this matter. In the matter of New Prime, Inc., the Respondent and Region 8 of the Environmental Protection Agency. The Docket No. is RCRA-08-2020-2007. We are here in Springfield, Missouri and the date is Monday, October 24th of 2022. And we are getting started relatively on time. It's 8:37 a.m. in the morning local time. I'd like to identify two attorneys that have accompanied me to this hearing. To my right is Michael Wright, he is an Senior Attorney Advisor with the Office and to my left is Alyssa Kasson	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	logistics in the beginning. I'll begin with Region 8. MS. JACKSON: Sure. Good morning, Your Honor. My name is Laurianne Jackson. And thank y for your patience this morning while we were gettir the virtual stuff set up. JUDGE COUGHLIN: No problem. MR. FIGUR: Good morning, Your Honor. Charles Figur for EPA. JUDGE COUGHLIN: Good morning. MR. McKAY: Good morning, Your Honor. My name is Scott McKay. Nice to meet you. JUDGE COUGHLIN: Nice to meet you. MR. McKAY: I'm with Nevin, Benjamin and McKay in Boise, Idaho. JUDGE COUGHLIN: Okay, good morning. MR. McKAY: I represent New Prime.
4 e 6 P 7 p 8 9 R 10 P 11 0 112 113 t 114 a 115 a 116 117 h 118 N 119 V N 119 V N	everyone. I'm Christine Coughlin. I'm an Administrative Law Judge with the Environmental Protection Agency. And I have been designated to preside over this matter. In the matter of New Prime, Inc., the Respondent and Region 8 of the Environmental Protection Agency. The Docket No. is RCRA-08-2020-2007. We are here in Springfield, Missouri and the date is Monday, October 24th of 2022. And we are getting started relatively on time. It's 8:37 a.m. in the morning local time. I'd like to identify two attorneys that have accompanied me to this hearing. To my right is Michael Wright, he is an Senior Attorney Advisor with the Office and to my left is Alyssa Kasson Relson who is an Attorney Advisor with our office.	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	logistics in the beginning. I'll begin with Region 8. MS. JACKSON: Sure. Good morning, Your Honor. My name is Laurianne Jackson. And thank y for your patience this morning while we were getting the virtual stuff set up. JUDGE COUGHLIN: No problem. MR. FIGUR: Good morning, Your Honor. Charles Figur for EPA. JUDGE COUGHLIN: Good morning. MR. McKAY: Good morning, Your Honor. My name is Scott McKay. Nice to meet you. JUDGE COUGHLIN: Nice to meet you. MR. McKAY: I'm with Nevin, Benjamin and McKay in Boise, Idaho. JUDGE COUGHLIN: Okay, good morning. MR. McKAY: I represent New Prime. JUDGE COUGHLIN: Okay.
4 e 6 P 7 P 8 9 R 10 P 111 0 112 113 t 114 a a a 115 a a 116 117 h 118 N 119 V 220 N	everyone. I'm Christine Coughlin. I'm an Administrative Law Judge with the Environmental Protection Agency. And I have been designated to preside over this matter. In the matter of New Prime, Inc., the Respondent and Region 8 of the Environmental Protection Agency. The Docket No. is RCRA-08-2020-2007. We are here in Springfield, Missouri and the date is Monday, October 24th of 2022. And we are getting started relatively on time. It's 8:37 a.m. in the morning local time. I'd like to identify two attorneys that have accompanied me to this hearing. To my right is Michael Wright, he is an Senior Attorney Advisor with the Office and to my left is Alyssa Kasson	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	logistics in the beginning. I'll begin with Region 8. MS. JACKSON: Sure. Good morning, Your Honor. My name is Laurianne Jackson. And thank y for your patience this morning while we were gettir the virtual stuff set up. JUDGE COUGHLIN: No problem. MR. FIGUR: Good morning, Your Honor. Charles Figur for EPA. JUDGE COUGHLIN: Good morning. MR. McKAY: Good morning, Your Honor. My name is Scott McKay. Nice to meet you. JUDGE COUGHLIN: Nice to meet you. MR. McKAY: I'm with Nevin, Benjamin and McKay in Boise, Idaho. JUDGE COUGHLIN: Okay, good morning. MR. McKAY: I represent New Prime.

Volume 1 8 JUDGE COUGHLIN: All right. Good morning 1 proceed because I'd like to be able to give you that 2 to all of you. All right, just a few logistics. I on each day so you have some time just to relax, 3 think Alyssa's probably covered this with you, but recover, regroup, get something to eat and come back 4 refreshed. you know, it bears repeating. 5 5 I'd like to try and start at 8:30 in the If we're coming up to the deadline, then morning. It seems like that will be fine. The we might need to adjust that, but as long as we're 7 doors open I believe at 7:30. The Courtroom will be moving kind of on track and looking to wrap up on 8 secured so in the event you want to leave anything time, I'm happy to stick with that plan so that you 9 9 in here, you can, to facilitate setting up the next have adequate time to rest for lunch. 10 10 Other than that, I understand you'd each 11 They close at 5:00 p.m. and so you know, 11 like to make some openings. We'll obviously begin 12 12 to be respectful of that, I'm going to plan on with there and I think you're probably all very 13 wrapping up right at about a quarter until unless 13 familiar with this type of enforcement process. 14 you think you need more time to collect everything 14 I'll begin with the Region. 15 15 They'll present first. They bear the and be on your way by 5:00 p.m. 16 So I don't want to impose on that. I'm 16 burden. And then after that, I'll shift to 17 17 a visiting Judge here so I appreciate the Respondent for the presentation of evidence, cross 18 18 hospitality and like to reciprocate with politeness examination, redirect. 19 19 If you wish to make a closing when we 20 20 wrap up, you certainly can and if you wish to I also understand there's no cafeteria. 21 vending machines, so we're going to take an hour for dispense with that and simply argue in post-hearing 22 lunch today and then I'd like to just see how things 22 briefs, that's fine too. 10 11 1 1 I have no preference. It's really up to MS. JACKSON: That's fine. 2 you. Other than that, there's nothing that really JUDGE COUGHLIN: Anything from New Prime? 3 comes to mind. I do want to do a quick rundown of 3 MR. McKAY: Just one thing, Your Honor. 4 the stipulated exhibits. Can we introduce Steve Field? He is the --5 5 Just to make sure we're all on the same JUDGE COUGHLIN: Sure. 6 page. And if you, if it's your intent to offer 6 MR. McKAY: -- Director of Safety for 7 those in up front, fine. If you don't and you'd 7 Prime and --8 8 like to do that along the way, that's fine too. I MR. FIELD: Good morning, Your Honor. 9 have no preference. 9 MR. McKAY: -- as company representative, 10 10 he'll be present during this proceeding. I'm just going to keep track and I'll 11 11 probably check in with you all each morning just to JUDGE COUGHLIN: Okay. All right. Good 12 make sure the expectation of what's been admitted or 12 morning, welcome to you. 13 13 not is what I have record of as well. MR. FIELD: Thank you. 14 14 I've done a bunch of talking so anything JUDGE COUGHLIN: Anything else then 15 that you all need to ask me about housekeeping wise, 15 before we get started? No? Okay. All right.

16

17

18

20

21

19 Honor.

statement?

22 Okay.

16

17

20

21

logistics before we get started? The Region?

18 actually going to ask for preliminary the stipulate

MS. JACKSON: Your Honor, I was just

exhibits and maybe a couple of things for judicial

notice. Would you like that after the openings?

JUDGE COUGHLIN: Sure, that's fine.

Would the Region like to begin with their opening

JUDGE COUGHLIN: Good morning.

MS. JACKSON: This case is about a

22 national trucking company that missed every sign on

MS. JACKSON: Sure. Good morning, Your

15

12

1 the road to compliance until EPA came knocking. At2 this point, this is a simple case.

The only matters at issues are the number of drums of hazardous waste that were transported and then improperly stored at Prime's facility.

And whether the EPA appropriately applied
the statutory factors using the RCRA penalty policy
to the facts of this case when assessing the

⁹ penalty.

With regard to the first issue, the
evidence will show there were at least 20 drums of
hazardous waste, eight that were sampled and another
that were analyzed by a trained Federal
Investigators using XRF.

As for the penalty, Prime generated and transported 32 drums of solid waste including at least 20 drums of hazardous waste following a roadside fire that turned drums from hazardous paint product into hazardous waste.

product into hazardous waste.
 On October 1st, 2016, approximately five
 days after the fire, Prime arranged for the
 transport of these burned drums and open drums of

1 hazardous waste on the open public roads for over

2 300 miles without first conducting a hazardous waste

3 determination, without a manifest and without a bill

4 of lading and without a placarding.

Prime then stored these 32 compromised
drums including at least 20 drums of hazardous waste
on a burnt, collapsed trailer missing the top half
for its structure at its facility in Salt Lake City
for over 300 days without proper storage conditions,
without permit and without obtaining a facility

specific ID number.

Every mile that the waste traveled and
every day that the waste was improperly stored
presented a risk of release. These are precisely

the kinds of conditions that the RCRA regulatory

stream, sorry, scheme was designed to prevent.And should be, Prime should be held

18 accountable. The statutory maximum is \$101,439 per

day per violation. The RCRA Civil Penalty Policy is
 used by EPA to ensure the penalties that are

21 assessed are fair and consistent from region to

22 region across the country, that they are appropriate

14

1 for the gravity of violation that occurred.

And they help ensure that a level playing
field to make sure that noncompliance is considered,
is not considered a part of doing business.

You will hear from EPA's penalty witness.

You will hear from EPA's penalty witness,
 Ms. Kristin McNeill, explaining how EPA applied the
 statutory factors using the RCRA Penalty Policy
 based on the facts of this case to calculate a

9 penalty of \$631,000, sorry \$631,402.
 10 You will also hear Prime make several
 11 arguments in support of a lower penalty. First,

Prime argues that there was a lot of confusion

during this fire.

14

confusion was short lived. As you have heard and will hear during testimony, our focus is on what happened in the days and months after the fire including after Prime heard from hazardous waste

But the evidence will show that any

regulators and its own hazardous waste contractor.
 Second, Prime argues the EPA failed to

21 consider Prime's history of compliance and

22 cooperation after EPA began its investigation, but

1 the evidence will show that EPA did in fact consider

2 Prime's cooperation and compliance history in its

3 calculation of the proposed penalty.

Third, Prime argues that this case does
not warrant a finding of major, major or even
moderate major under the Penalty Policy implying the
EPA should have exercised its enforcement discretion
and assessed the lower penalty.

9 But the evidence will show that each of 10 the relatively few violations, EPA chose to allege 11 are fundamental to the RCRA program. And EPA

are fundamental to the RCRA program. And, EPAexercised its enforcement discretion in this case by

13 only considering violations that occurred after the

14 fire response.

Further, you will hear from Ms. McNeill
that the EPA exercised even more discretion when
assessing the proposed penalty. Discretion in this
case, however, does not mean giving Prime a pass and

19 for admitted violations.

20 And Prime's arguments regarding equitable

 21 factors should not be considered any, for any --

22 sorry -- should not be considered to cause any

19

1 further downward adjustments.

In this case, Prime ignored five big roadsigns on the road to compliance. The first sign,

4 before the fire and on the night of the fire Prime

5 had the bill of lading for NPPG.

6 It said, for help and emergencies

7 involving a spill, leak or fire, call Chemtrec.

8 Prime didn't call Chemtrec. It also said that -- it

9 also included a CERCLA reportable quantity

10 designation in the event of a spill or a fire to the

11 strontium chromate primer.

Prime did not call the National Response

13 Center. Finally, the bill of lading said had a UN

4 1263 designation reflecting that the primer was Haz

15 Class 3 material.

16 This information was also in Prime's

17 computer system for the shipment. In spite of all

18 of this information, Prime failed to follow its own

19 proclaimed procedures, which was to call a third-

20 party environmental contractor.

21 Instead, Prime called a local towing

22 company that was not authorized to transport

1 hazardous materials. Prime similarly ignored

2 repeated warnings from Sergeant Bonner who was the

3 hazardous material supervisor for the State, the

4 Idaho State Police and an incident commander at the

5 scene.

13

16

2

16

6 The second road sign, emails between PPG,

7 the manufacturer of the product, and Prime. The

8 evidence will show that on September 30th and again

9 on October 13th, PPG the manufacturer, emailed Prime

10 requesting evidence or documentation of proper

l 1 disposal and also pictures and a Police report.

12 In response, PPG on, in response to PPG,

Prime on October 13th, 2015, misrepresents that

14 there's nothing to dispose of, the trailer has

15 burned to the ground.

Instead. Prime arranged for the drums of

17 waste to be moved from BNW's lot where it was being

18 charged for storage, from Idaho to Salt Lake City on

19 October 1st.

20 And within a few weeks of the fire, Prime

21 ignored the third road sign that could have led it

22 to compliance. IDEQ, the hazardous waste regulator,

18

.

1 calls Prime on or about October 21st, 2015, and

2 explains to David White, Prime's Safety Supervisor

3 that the fire scene needs additional cleanup, a

4 second cleanup of the yellow primers paint stained

5 soils that remained at the scene of the accident.

6 And IDEQ had to subsequently inform Prime

7 through its contractor Premium Environmental

Services that the soils must be properly analyzed

9 prior to disposal.

10 And for three weeks, the drums of

11 flammable and toxic hazardous waste have been

12 sitting outside the Prime facility in Salt Lake

13 City

14 Road sign number four, on or about

15 November 25th, 2015, if not before, Prime received

16 the SDS from IDQ containing detailed information

17 about the chemical contents of all four products

18 that were on the shipment including the Schrodinger

19 chromate primer.

The SDSs described in detail health risks

21 from exposure and among other things, proper storage

22 requirements. Still, the drums of hazardous waste

1 sit outside the Prime facility open and unmanaged.

And finally, road sign number five to

3 RCRA compliance, analytical results from the second

4 cleanup dated November 23rd, 2015, that reflected

5 concentrations of chromium and in the mixture of

6 yellow paint and soil from the second cleanup at

7 18.5 milligrams per liter, over three times the

3 regulatory legal limit.

9 Still the drums of waste sit outside the

10 Prime facility, open and unmanaged. Prime argues

11 that there was no actual harm to human health and

12 the environment and any potential for exposure is

13 low.

We will show that Respondent's attempt to

15 characterize the storage of these hazardous waste

16 drums in Salt Lake City as adequately protecting

17 human health and the environment missed the RCRA

18 mark entirely.

19 Under the RCRA penalty policy, the

20 potential for harm is a two-part analysis. There's

21 a consideration for potential for harm to the

22 program and the evidence will show that RCRA

23

20

- 1 provides a clear road map to compliance and that the
- 2 violations EPA alleged in this matter are
- 3 fundamental to that program.
- 4 And then there's the potential for harm
- 5 to human health and the environment. Actual harm is
- 6 not required. Testimony from the EPA's expert
- 7 toxicologist, Dr. Kristen Keteles will show that
- 8 Respondent's assertion that there was a low risk of
- 9 exposure simply cannot be made under these
- 10 circumstances if one applies, sorry, accurately
- applies, risk assessment principles.
- 12 Dr. Keteles will tell testify that a
- 13 threat of harm existed due to the inherent toxicity
- of the waste and the potential for Prime employees,
- visitors and first responders to come into contact
- 16 and therefore be exposed to the improperly stored
- 17 waste.

1 like.

great many.

2

3

5

б

7

8

9

10

11

12

13

- 18 Complete exposure pathways, the risk of
- 19 fire, and the inherent toxicity of the waste creates
- a substantial risk of harm to human health and the
- 21 environment under the RCRA Civil Penalty Policy.
- 22 Quite simply, Prime failed at every road

I actually made a list of my own as I was going

MS. JACKSON: Yes.

through the case because I realized there were a

JUDGE COUGHLIN: But it's also for the

Court Reporter's benefit. So did you use that?

JUDGE COUGHLIN: You have it?

COURT REPORTER: I did.

COURT REPORTER: I do.

JUDGE COUGHLIN: You know, that's okay.

- 1 sign to move forward to compliance. That is until
- EPA came knocking at the door. In closing, the EPA
- asks this Tribunal to impose a penalty that reflects
- the seriousness of these violations and will serve
- as a deterrent to Prime and others in the future.
- Thank you.
- 7 JUDGE COUGHLIN: Okay, before you step
- away, let me ask you on -- a lot of acronyms in this
- case. So I think in point four you used an acronym
- 10 on SDS or SES?
- 11 MS. JACKSON: SDS.
- 12 JUDGE COUGHLIN: Okay, that's what I
- 13 thought you meant. I might have heard something
- 14 else. In any event, can you please define what that
- 15
- 16 MS. JACKSON: Absolutely. Those are
- 17 Safety Data Sheets.
- 18 JUDGE COUGHLIN: Okay, thank you.
- 19 MS. JACKSON: They're used to be referred
- 20 to as MSDSs, Material Safety Data Sheets. And, Your
- Honor, we have a list of acronyms we provided, but
- 22 we're happy to provide one to you as well if you
- 22
- 1 hazardous waste business.
- 2 They're not a battery recycling facility,
- they're not a metal manufacturer. They're a
- trucking company. They haul mostly frozen food and
- COVID vaccine.
- 6 We admitted liability in this case
- because RCRA has a strict liability and my company
- steps, it takes responsibility for what they did.
- 9 They violated the law, they admitted liability.
- 10 And they accept that there's going to be
- 11 a penalty in this case. They're a big company, they
- 12 should have known better, but they made a mistake.
- 13 That's what this is about.
- 14 MS. JACKSON: Okay, thank you.

JUDGE COUGHLIN: Perfect. Thank you so

- 15 MR. RYAN: Good morning, Your Honor. I'm
- 16 Mark Ryan. I represent Prime. And I first of all
- 17 I want to start out by thanking you for granting us
- 18 the ability to give these opening arguments this
- 19 morning.

much.

- 20 Prime is a trucking company that hauls
- primarily food and some pharmaceuticals, about 75
- percent of their business. They're not in the

- This is a mistake by a company that got
- 15 some wrong information up front, didn't follow
- 16 through properly, but has since fixed everything
- 17 that could have possibly caused this problem in the 18 first place.
- 19 And the record will show there have been,
- 20 there were no prior violations in this case, there
- 21 have been no subsequent violations in this case.
- 22 This is a company that really abides by the law.

24

1

13

So this case is really about is this case
worth \$631,402 as the EPA has proposed? And it is
not because Prime at all times acted in good faith.

4 Did they make mistakes?

Yes, they did. But at no time did they try to evade the law. At no time did they try to save money. At no time did they try to argue loopholes in the law.

9 They made a mistake. And in the 50 years 10 of this company's history which they've hauled 11 hundreds of millions of miles per year of mostly 12 food, they have not had a RCRA violation. Not 13 before or after.

And that's important because this company really has no prior experience with RCRA violations.

6 This was a first RCRA hazardous waste fire of this

17 type the company had ever experienced.

And they haven't had one since. And you'll hear that from Mr. Field, my client, who will testify. He's Head of Safety at Prime and safety

and he will testify that this is one off in the 50-

22 year history in the company.

25

2 material, hazardous waste at all. Hazardous

3 materials today account for less than 2 percent of

And they don't, they don't haul hazardous

4 their business. In 2015, it was less than 1

5 percent, 3 percent of their business.

6 So it's a very small portion of what they

7 do. The company is presently in full compliance8 with the law. They've had no, as I've mentioned,

9 they've had no violations prior or since.

There was no actual harm caused by this.

11 And my learned co-counsel, excuse me, opposing

12 counsel is correct, RCRA looks at potential harm.

But it's important to remember nothing

14 happened as a result of the storage of this

15 transportation to Salt Lake City and the storage of

16 this, of these materials in Salt Lake City.

17 And what you'll hear from Dr. Walker, our

18 toxicology expert, is that there was a very low

19 probability of anything happening given how it was

20 stored.

21 So we're definitely going to have

22 competing expert testimony in this case. I think

26

1 you will find Dr. Walker's testimony compelling.

2 But it's important to remember that when Prime made

3 this mistake they didn't do so out of greed or ill

4 intent or -- it was an honest mistake.

5 So the fire occurred on September 27th,

6 2015. And as Your Honor has, I'm sure has figured

7 out from the pleadings, there was a lot of confusion

8 at the fire.

9 There were multiple state, Federal and

10 local agencies involved, including EPA. EPA was

11 notified at 4:00 a.m. on the morning of the fire as

12 part of the notification system.

13 The possible hazmat situation was

14 involved. So EPA was notified right up front about

15 this. And as a result of these miscommunications,

16 some wrong decisions were made.

17 And the EPA is correct that after the

18 initial decision was made to haul the trailer with

19 its contents back to Salt Lake City, there were

20 warning signs to Prime that this was hazardous

21 waste.

22

But what we will hear from our client,

1 Mr. Field, is that there are two parts of, Prime's

2 a big company, there were two parts of Prime that

3 were dealing with this.

4 There was the safety group and the

roadside assistance group. Safety was in charge of

6 hiring the contractors, the RCRA expertise

7 contractors, to come in and take care of the site.

8 Okav?

9 Roadside Assist helps tow truckers away

10 when the trucker has an accident or something on the

11 road and they have, you know, thousands of trucks,

12 Roadside Assist assists that trucker and gets their

13 truck taken someplace.

14 And that's Roadside Assist took care of

15 hauling this thing down to Salt Lake City. The

16 problem is, Safety wasn't talking to Roadside

 $17\,\,$ Assist. That was a mistake and they fixed that.

And you're going to hear testimony from

19 Mr. Field how that institutionally has been changed

and will not happen again. So Roadside Assist

21 hauled this, the trailer down to Salt Lake City

22 where it was stored.

28

1 And in what, in Springfield, when you 2 hear of Prime referred to as Springfield, it's the 3 headquarters so when they say Springfield says this 4 or Springfield says this, it's the Prime

5 headquarters.

б

3

4

6

7

8

9

7 trailer because it had been involved in a fire and 8 they wanted to find out what caused the fire. A 9 lot, you'll hear from Mr. Field, a lot of what Prime 10 does is safety people is they try and prevent future

So Springfield placed a hold on the

11 accidents.

12 They take safety very, very seriously. 13 They have thousands of trucks moving millions of miles around the country and they have to take 15 safety seriously.

16 So they put a hold on this just to figure 17 out why it burnt. It got put in the corner of the 18 Salt Lake City lot on a blind pad with a, you'll 19 hear the testimony that the Salt Lake City facility

is surrounded by a chain link fence, with barbed 21 wire on top and guards at all the gates.

22 No one comes and goes from this facility

1 EPA's involved. You guys have that trailer still,

5 tarps came in to be. So the trailer sat there for

2nd to investigate for the part of the criminal

investigation, they issued a Preserve Letter which

So that's what happened, that's where the

quite some time. And once EPA showed up on August

we have to preserve the evidence.

without passing by a guard or, you know, showing ID.

So they store the trailer down there. And it sits

for in the neighborhood of 300 days.

4 It got, basically, it got forgotten

5 about. Again, this was a mistake. We own this.

The, now there's been some discussion about the

7 tarps.

8 There was confusion on Mr. McKay's and my 9 part and also I think believe if you look at some of 10 the EPA documents, about when this thing was tarped.

11 It turns out it was tarped fairly late in the game.

12 The thing, the trailer sat there for much 13 of the time untarped just as it was brought down they put it, left it alone under a legal hold. The

15 people in Salt Lake City said, we're told, don't

16 touch it.

17 Leave it alone because we don't want 18 anything disturbed in case we have to investigate 19 it. So it sat there untouched in a remote corner of

20 the lot with no tarps on it for much of the time. 21 Only when EPA CID became involved, then

22 the message came back from Springfield, oh, my gosh,

30

2 cover it with tarps, leave it alone, don't touch it,

goes to the heart of EPA's penalty calculations. 1

were wrongly performed. So EAB has made it very

clear that no way that the ALJ was in no way

constrained by the Region's penalty proposal.

Honor, that the EPA got it wrong here. Now, Your

a long time. And I sat in that chair through many

10 of these cases.

10 Prime complied with everything EPA told 11 it to do. Prime actually helped the CID

12 investigators move the drums with its forklifts.

13 These Prime forklifts that pick up the drums so the

14 EPA investigators could sample them.

15 Prime did everything EPA asked it to do. 16 And when the lift, the hold on trailer was lifted by EPA, Prime immediately hired a RCRA contractor and 17

18 had it disposed of it properly.

we did, we followed it.

19 And then finally you'll hear from Dr.

Walker as I mentioned before, Dr. Walker's going to

21 talk about the probability of harmful exposure and

22 that's an important part of this case because that

2 And we believe those penalty calculations

6 And we think the evidence will show, Your

Honor, probably knows that I was an EPA lawyer for

11 And I have great respect for EPA and what

12 it does. I was an EPA lawyer for 24 years. And I 13 have a lot of respect for what these people are

doing today. These lawyers, they're doing a good

15 job, they're doing their job.

16 But when I brought cases, when I tried

17 cases, there were cases against bad actors, people

18 who were trying to evade the law, people who refused

19 to comply, people who were trying to find a loophole

20 of some sort, people who had caused great harm to

21 the environment.

22 This is not one of those cases. My

35

32

- client is not one of those bad actors. They made a mistake, yes, but it was a mistake. I think when you hear from the testimony of Mr. Sprag and Mr. Field, and Mr. Singleton, what Your Honor I think
- 5 will carry away from that is that these are really
- honest and law-abiding people.
- They didn't mean wrong. Now RCRA hasstrict liability statute. We recognize that.
- $^{9}\,\,$ That's why we didn't challenge the liability at all.
- But those issues are important when you assess the penalty under the RCRA statute which
- 12 requires good faith efforts to comply to be
- 13 considered.
- And you'll hear a lot of testimony on that. And the question is, is this case worth
- 16 \$630,402? And I think Your Honor will find that
- 17 with all the evidence considered, it is not. Thank
- 18 you very much.
- 19 JUDGE COUGHLIN: Thank you. Okay. One
- 20 other quick point before we deal with the stipulated
- 21 exhibits. We know that it's warm in here.
- 22 And the owner of the building's been

- 1 contacted. So you might see a gentleman come in and
- 2 he's going to have to kind of come through here
- 3 hopefully behind you all and deal with that
- 4 thermostat.
- 5 So I just wanted to give everybody a
- 6 head's up that if that happens, I'm aware of it and
- 7 I don't want you to be alarmed. It's hopefully to
- 8 make everybody a little more comfortable from this
- 9 point forward.
- So that should be the only interruption
- 11 that I'm aware of. Okay, are we ready to go through
- 12 the exhibits?
- 13 MS. JACKSON: Sure.
- 14 JUDGE COUGHLIN: Okay. Let me just do a
- 15 quick rundown, if this is the most efficient way,
- 16 I'm not sure, of what I have noted that both sides
- 17 have stipulated to with regard to authenticity and
- 18 admissibility.
- And is it the intention of both sides to
- 20 for efficiency, move that in now?
- 21 MS. JACKSON: That's fine, Judge, or --
- MR. McKAY: I have no objection, Your

- 1 Honor. Yes, same.
- 2 JUDGE COUGHLIN: Okay, great. All right.
- 3 So let me do a quick rundown and then we can take
- 4 care of that. Here's what I have. I'll begin with
- 5 Complainant's CEX1, CEX2, CEX6, CEX8 and if I'm
- 6 messing up, don't be shy, jump in.
- 7 Okay? CEX13, CEX15, CEX32, CEX33, CEX34,
- 8 CEX35, CEX36, CEX37, CEX38, CEX39, CEX40, CEX41,
- 9 CEX42, CEX43, CEX44, CEX45, CEX46, CEX47, CEX49,
- 10 CEX50, CEX64 core corrected, CEX67, and that's it
- 11 for Complainant's. Am I on track so far? Yes, I'm
- 12 getting nods.
- MR. FIGUR: Yes, ma'am.
- 14 JUDGE COUGHLIN: Okay, thank you. And
- 15 then turning to Respondent's, RX1, RX2, RX3, RX4,
- 16 RX5, RX6, RX16, RX19. Is that correct?
- MR. FIGUR: It is.
- JUDGE COUGHLIN: Okay, great. Region 8?
- 19 MS. JACKSON: Yes.
- JUDGE COUGHLIN: Okay. So you wish to
- 21 move that into evidence?
- 22 MS. JACKSON: Yes, Your Honor.

- 1 JUDGE COUGHLIN: Okay. And --
- 2 MR. McKAY: Same. We move the admission
- 3 of all the Respondent's exhibits you just
- 4 identified.
- 5 JUDGE COUGHLIN: All right, great, thank
- 6 you so much. They'll be admitted into evidence.
- 7 (Whereupon, the above-referred to
- 8 documents were received into evidence as Complainant
- 9 Exhibits 1, 2, 6, 8, 13, 15, 32 through 47, 49, 50,
- 10 64 core corrected, and 67 and Respondent Exhibits 1
- 11 through 6, 16, and 19.)
- Okay, the other quick thing that I
- 13 neglected to do is just for each for side to just do
- 14 a quick rundown of the witnesses that you are
- 15 intending to present during the hearing.
- 16 Make sure I'm on the right page here. So
- 17 let me just start with Region 8 or Complainant. Can
- 18 you just tell me the names of who you're planning to
- 19 present?
- 20 MS. JACKSON: Yes, Your Honor. First we
- have, excuse me, we'll have Marc Callaghan, he's the
- 22 virtual witness that's prepared and then we, next is

37 36 1 Brad Miller. 1 the RCRA Penalty Policy and just the U.S. Inflation 2 Calculator. JUDGE COUGHLIN: Okay. 3 3 MS. JACKSON: And then Kristin McNeill. Both of those are known and accessible 4 And then finally, we'd like to reserve Dr. Kristen 4 and readily available so it might ease things to 5 Keteles for rebuttal. have it judicially noticed. 6 6 JUDGE COUGHLIN: Okay. Thank you, and JUDGE COUGHLIN: Okay. 7 7 from New Prime? MR. RYAN: No objections, Your Honor. 8 8 MR. McKAY: Yes, Your Honor. We intend JUDGE COUGHLIN: Okay. I will take 9 9 to call Steve Drake. judicial notice of those. 10 10 MR. RYAN: And just so we're clear, we're JUDGE COUGHLIN: Okay. 11 MR. McKAY: Kelly O'Neill, Steve Field, 11 talking about the 2003 RCRA Penalty Policy? 12 12 MS. JACKSON: Yes, but that also William Sprague, Brian Singleton --13 JUDGE COUGHLIN: Okay. 13 actually, I'm sorry, I should be more clear. 14 14 MR. McKAY: -- and Dr. Liz Walker. JUDGE COUGHLIN: Yes, I wanted to ask 15 15 JUDGE COUGHLIN: Okay. Got it. Thank about that. 16 you. All right. I'll try to remember to offer up 16 MS. JACKSON: The RCRA Penalty Policy and 17 some comfort breaks along the way. But if you need 17 also the Inflation Adjustment Memoranda. I actually 18 18 one, just let me know. Happy to take that. Okay? meant to have, oh, I do have it. No, I don't. I 19 Are we ready to get started with the first witness? 19 thought I, sorry. 20 20 I thought I had my, the internet website, MS. JACKSON: Yes, Your Honor. The only 21 additional thing that we were going to request was 21 but I don't. But I can provide that. 22 judicial notice of EPA's websites that would include 22 JUDGE COUGHLIN: Okay. Those would be 38 39 1 1 the two memoranda that were referenced in the EPA's MS. JACKSON: Your Honor, the EPA would 2 explanation of penalty? 2 like to call Mr. Marc Callaghan. 3 MS. JACKSON: Yes, and they are also in 3 JUDGE COUGHLIN: Okay. Let me see if I 4 our prehearing exchange. can locate this a little better. Perfect. All 5 JUDGE COUGHLIN: Okay. All right. Would 5 right. Can Mr. Callaghan see me? 6 you like those websites before considering whether 6 MS. JACKSON: I can ask. 7 7 you wish to object or --JUDGE COUGHLIN: Mr. Callaghan, can you 8 MR. RYAN: No, Your Honor, we, I'm 8 see me? 9 familiar with the documents. We're fine with them. 9 MS. JACKSON: No, he cannot. 10 JUDGE COUGHLIN: Okay, so I'll go ahead 10 MR. CALLAGHAN: I cannot, Your Honor. 11 11 and take judicial notice of those as well. JUDGE COUGHLIN: Okay, we just can see 12 12 MS. JACKSON: Okay, great. Thank you. you. All right, that's fine. I need to place you 13 JUDGE COUGHLIN: Sure thing. All right, 13 under oath so if you would please raise your right anything else before we get started with the first 14 hand. I'm raising mine as well. 15 15 witness? WHEREUPON, 16 16 MS. JACKSON: I don't think so. MARC CALLAGHAN 17 JUDGE COUGHLIN: Okay. And from New 17 Was called as a witness by Counsel for 18 Prime, are you ready to go? 18 the EPA, and after having been first duly sworn, was 19 MR. McKAY: Yes, we are, Your Honor. 19 examined and testified as follows: 20 JUDGE COUGHLIN: All right, great. Okay, 20 JUDGE COUGHLIN: Okay. The witness has 21 go ahead Ms. Jackson, please call your first 21 been sworn. Please go ahead. 22 witness. 22 MS. JACKSON: Thank you. Good morning,

40 41 1 Mr. Callaghan. 1 A I --2 2 THE WITNESS: Good morning. Q Oh, go ahead. 3 3 MS. JACKSON: Can you please state your A I think my credentials specifically say 4 name for the record? 4 Criminal Investigator. The name Special Agent, 5 that's what they refer to us as. THE WITNESS: Marc Callaghan. 6 DIRECT EXAMINATION Q Okay. Thank you. Can you describe your 7 BY MS. JACKSON: duties and activities as a Special Agent? 8 Q And where are you currently employed? A So as a Criminal Investigator with the 9 9 United States Environmental Protection Agency, we A I work for the United States 10 Environmental Protection Agency. 10 investigate the most egregious environmental crimes. 11 11 Q And in what capacity do you work for the Q And what do you do as part of those 12 EPA 12 investigations? 13 A I'm a criminal investigator. My current 13 A A criminal investigation is composed of 14 title is National Forensics Coordinator. 14 fact finding so we do a lot of interviews of 15 Q And how long have you worked for EPA in individuals. We intake or combine and gather 16 that role? evidence, be that in the form of documents from A I've been a criminal investigator since 17 17 other agencies or evidence that we may obtain 18 2008 so approximately 14 years. 18 ourselves. 19 Q Okay, when you say criminal investigator, 19 Q Okay, and how are those documented or how 20 is your title Special Agent? Is that correct? 20 do you document that process? 21 21 A We document our investigative activities 22 Q Okay. And can you describe and --22 in a record that we refer to as an Investigative 42 43 1 1 Activity Report or we use an acronym as you might THE WITNESS: That's okay, I'll look 2 imagine, it's called an IAR. 2 really closely here. 3 3 Q Okay, thank you, Mr. Callaghan, Ms. MS. JACKSON: Okay, if you could scroll 4 Tribett, can you please pull up CEX77. Your Honor, through it now that he can see it. 5 are you okay if we publish exhibits before they're MS. TRIBETT: It's only one page. 6 admitted? 6 MS. JACKSON: Oh, it's only one page. 7 7 JUDGE COUGHLIN: Yes. I'm sorry. This is CEX77 entitled Resume of Marc 8 MS. JACKSON: Okay. So if you could pull Callaghan. Did you prepare this document? 9 9 up 77 and if you could just scroll through it (Whereupon, the above-referred to slowly. Mr. Callaghan can you see exhibits from 10 document was marked as Complainant Exhibit 77 for 11 identification.) your vantage point? 11 12 THE WITNESS: I do not. I do not see 12 THE WITNESS: I did. 13 anything yet. 13 BY MS. JACKSON: 14 MS. JACKSON: Okay, we just want to make 14 Q And is it true and accurate? 15 sure. 15 Yes. 16 THE WITNESS: I see something very tiny. 16 Q And just for the record, can you tell us 17 Let me see if I can enlarge this. I'm very big on 17 what it is? 18 your screen and the document's very small on the 18 A This is my resume. 19 left. 19 MS. JACKSON: Okay, Your Honor, --20 MS. JACKSON: Yes, I think we might be 20 THE WITNESS: And --21 stuck with that so I apologize for straining your 2.1 MS. JACKSON: I'm sorry, Marc, go ahead. 22 eyes. 22 THE WITNESS: It's a one-page resume.

44 45 1 MS. JACKSON: Okay, Your Honor, 1 Special Agent prepare these IARs generally? 2 Complainant requests the Tribunal please admit A As soon as practicable. 3 3 CEX77, the resume of Marc Callaghan. Q And what do Special Agents do after the 4 JUDGE COUGHLIN: Any objection from New 4 Report is prepared, the IARs? 5 Prime? A The Special Agents will prepare those 6 Reports in an electronic system. And when that MR. McKAY: No, ma'am. 7 JUDGE COUGHLIN: All right, CEX77 is document is prepared, the Agents will submit that 8 admitted. for review by their supervisor. Their supervisor 9 (Whereupon, the above-referred to would then review that. 10 document was received into evidence as Complainant 10 If the supervisor has questions, they 11 Exhibit 77.)

12 BY MS. JACKSON:

16

22

2

5

13 Q Okay, before we looked at your resume, we

14 were talking about Investigative Activity Reports.

15 Can you describe those in a little more detail?

A Yes, I can. So an Investigative Activity

17 Report is used to capture that activity. And those

18 are drafted by the Reporting Agency. Typically,

19 that's the Special Agent that drafts those.

20 And again, they're used to capture and

21 memorialize the activity that's taken place.

Q Okay, thank you. And when does the

11 would have the opportunity to get back to the Agent

12 to ask about that, but essentially and eventually

13 the supervisor would approve that report and

14 finalize it and it would then be retained in our

15 electronic case file.

16 Q Okay, and when you're referring to that

17 electronic case file, does EPA Criminals

18 Investigation Division have a, like an actual

19 electronic case management system?

20 A Yes, they do.

2.1 Q Okay. As a Special Agent, how familiar

22 are you with CIDs filing of records in that

47 46

1 electronic case management system?

A I'm very familiar with it. It's the

3 system that I've used for my entire career as an

Agent for the past approximately 14 years.

Q And does that electronic case management

6 system have built-in safeguards to ensure accuracy?

7 A It does. It does. Technically you can't

8 get into that system unless you have a Government

9 issued computer with a Government-issued PIV card.

10 The system itself has password protection

11 once you use your computer and your PIV card to get

12 to the site. Additionally, there's warnings that

13 should anybody illegally insert or don't get into

14 the system, that there's civil and criminal

15 penalties that could be applied.

16 Additionally, there's audit trails.

17 There's audit capability on the, within the system

18 such that an administrative can see what has taken

19 place within that electronic system.

20 Q Okay, and does the EPA keep its

21 electronic case management system up to date and in

22 good repair?

A Yes. They are constantly upgrading that 2 system.

3 Q And can you describe generally how

documents are identified in the electronic case

management system?

6 A Yes. They are identified by a common

case name and a unique case number that would appear

at the top of each and every Investigative Activity

9 Report.

1

10 Q Okay and in this case, what was the case

11 title or case name assigned?

12 A Prime, Inc. should be the title and if

13 somebody wanted to bring up an IAR so that I make

sure that I'm doing that accurately, but there

15 should be a title or case name.

16 That should be Prime, Inc. And then the

case number is unique as well and my recollection 17

18 you get that with a 1001-0101.

19 MS. JACKSON: I think we might need that

20 up. Can we pull up an exhibit just to refresh your

21 recollection. Let's look at CEX10. And if you

22 could actually just go to the top.

49 48 1 BY MS. JACKSON: 1 Can you expand that synopsis section? 2 2 Q Mr. Callaghan, you'll see the case number I'm only seeing part of it. Brian Singleton, 3 operations manager. Okay. I recognize this as an 4 Oh. Investigative Activity that was conducted by Darren 5 Mugleston (phonetic). -- and case title there. If you could (Whereupon, the above-referred to 6 read those for the record. 7 A Yes, and I want to state that I made an document was marked as Complainant Exhibit 10 for 8 incorrect statement. The case number that I 8 identification.) 9 9 recognize here as being associated with Prime, Inc., I was not a part of this. But this 10 the case number is 1003-0101 and I recognize that 10 appears to be discussing the activity that took because the Boise office is the 1003, though 101 is place at the Prime, Inc. facility regarding the 12 specific for this case. The case title is Prime, 12 trailer and the drums that were discovered there. 13 13 Inc. Q Okay. 14 14 Q And you know what, while we have this up, MS. JACKSON: And Kate, this is a large 15 15 I'm going to go ahead and ask you about this exhibit, but if you could scroll through fairly particular exhibit. And you've described obviously quickly all the way to the bottom. Thank you. Now 17 17 that you recognize it. How do you recognize it? you can go back to the top please. 18 18 BY MS. JACKSON: A I recognize this because it's an 19 Investigative Activity Report. It's specific for 19 Q Mr. Callaghan, is this a true and 20 the Prime, Inc. investigation as we've discussed. 20 accurate copy of CEX10? 21 And give me a moment and I can tell you why else I 21 A Yes, it is. 22 recognize this. 22 MS. JACKSON: Your Honor, Complainant 50 51 1 1 requests the Tribunal admit CEX76 into evidence? MR. McKAY: Yes, yes, nice to see you so 2 to speak. So the Complainant's Exhibit 10 that you JUDGE COUGHLIN: 76 or --3 MS. JACKSON: Oh my gosh, I'm so sorry, looked at. Have you reviewed that exhibit prior to 4 CEX10. your testimony here this morning? 5 5 THE WITNESS: I did. I was familiar with JUDGE COUGHLIN: Okay. 6 MS. JACKSON: That's not good for the this, Mr. McKay, as part of the case as it was 7 7 record. ongoing and when Darren Mugleston was the lead 8 8 JUDGE COUGHLIN: Any objection from agent. 9 9 Prime? So I was familiar with this activity at 10 10 MR. McKAY: May I inquire? I may have an the time and then in preparation for this, I did 11 11 objection, Your Honor. review this record. 12 12 JUDGE COUGHLIN: Sure. MR. McKAY: Do you have that exhibit in 13 MR. McKAY: Should I do that up there or 13 front of you or are you just relying on what you're 14 should I do it right here? 14 seeing on the screen here this morning? 15 15 JUDGE COUGHLIN: You can do it right THE WITNESS: I don't have anything open 16 there. That's fine. 16 in front of me other that what the court is 17 17 presenting to me. MR. McKAY: Okay. Special Agent 18 18 Callaghan, good morning. I'm Scott McKay. I'm a MR. McKAY: Oh. 19 lawyer for Prime, Inc. and we're acquainted with 19 THE WITNESS: So I only have this one 20 20 each other. Right? page that I can see. 21 21 THE WITNESS: Correct, Mr. McKay. Nice MR. McKAY: I think you indicated this is 22 to meet you telephonically again. 22 a IAR that was prepared by Special Agent Darren

52 53 1 Mugleston. Is that correct? 1 the exhibit, so I'd just like you to say how visits 2 THE WITNESS: Yes, sir. to the Prime facility are represented by this 3 specific exhibit. MR. McKAY: Okay. And it concerns how 4 4 many inspections of the Prime facility? THE WITNESS: So because of my knowledge 5 THE WITNESS: I'm looking closely again of the case, although this synopsis appears to talk 6 about one meeting, there's an attachment that I saw here. This appears to be, this one page that I can 7 and I recall seeing and if you scroll to the second see appears to be --8 MS. JACKSON: It probably won't allow him page, there's an attachment that is a report. 9 to see attachments. Sorry, Marc. You'll have to go It's an analytical report and that wasn't 10 10 conducted until the second meeting on site. all the way to the bottom to see the attachments. 11 11 Oh, stop. MR. McKAY: And you were not present on 12 THE WITNESS: Yes, but scroll up to the 12 site at either the initial visit to Prime or, I 13 top again if you would please. I want to read about 13 think the second visit that you're now referring to 14 these details. 14 that generated these analytical reports. Is that 15 MR. McKAY: You're not familiar with 15 correct? 16 16 THE WITNESS: That's correct. I was not those details. Is that fair to say? 17 17 THE WITNESS: Well I want to be very present at either of these meetings. 18 18 careful here because you asked me a question if MR. McKAY: And those analytical reports 19 this, I think sir, your question was, does this 19 were prepared by somebody else were they not? 20 20 represent one visit? Is that correct? THE WITNESS: That's correct. They were 21 21 prepared by EPA's NEIC in EPA's laboratory. MR. McKAY: I asked how many visits does 22 it represent? You testified you're familiar with 22 MR. McKAY: And the IAR that we're 54 55 1 1 talking about reflects the observations of Agent THE WITNESS: I did not. 2 Mugleston, observations that you don't have personal 2 MR. McKAY: So you didn't confirm that 3 knowledge of. Correct? what's on that CD, the materials contained in that 4 THE WITNESS: That's correct, I don't CD are reflected in the entirety of this exhibit, 5 have knowledge at the time, I just have knowledge of Exhibit 10? 6 this report and, of course, my familiarity after, 6 THE WITNESS: No, I did not open up that 7 you know, in talking to Darren that he had been down 7 CD and I don't know what that contains. 8 there. 8 MR. McKAY: Do you see reference to an 9 MR. McKAY: Right. And there are CDs interview with a Prime representative at the time of 10 that presumably contain digital evidence that are 10 the first exhibit or the time of the first visit on 11 11 reflected in this exhibit. Could you turn to Page August 1st of 2016? 12 4 of this exhibit? Do you see Page 4 of the 12 THE WITNESS: I'm sorry, Mr. McKay, can 13 exhibit, Special Agent? 13 you repeat that question? 14 14 THE WITNESS: I believe I do see. The MR. McKAY: Right. Do you see reference 15 pages are blocked from me, but what I see in front 15 in this exhibit to an interview and statements that 16 of me if I can describe it. 16 were made by a representative of Prime, Inc. during 17 17 MR. McKAY: Sure. Mr. Mugleston's visit to the facility on August 1st? 18 THE WITNESS: I see a photocopy of a CD 18 THE WITNESS: Can we scroll back up for 19 that is title Prime, Inc. and has the case number, 19 me to see that? 20 20 says "Master" on it. MR. McKAY: Maybe if you can, just turn 21 MR. McKAY: Did you open that CD in 21 to Page 2 of this exhibit. 22 preparation for your testimony here this morning? 22 JUDGE COUGHLIN: Do you mean August 2nd?

56 57 1 MR. McKAY: Page 2 of --1 of foundation. This witness is not familiar with 2 JUDGE COUGHLIN: Yes. this notwithstanding his testimony on direct. 3 3 MR. McKAY: -- the exhibit? Do you see He's not familiar with this exhibit such 4 where there's a reference to statements by that he can establish its reliability and I, 5 Singleton, about halfway down the page, do you see obviously it contains hearsay upon hearsay. And 6 that? which further goes to a lack of reliability. 7 THE WITNESS: Stand by please. I do see 7 There's a CD referenced that in this 8 a statement upon reading. It says Singleton said exhibit that Special Agent has not reviewed. Again, 9 there are 32 drums on the trailer, Singleton didn't 9 for the reasons I've indicated, I object to its 10 know if the drums contained any material. 10 admissibility. 11 11 MR. McKAY: Okay. Do you know who JUDGE COUGHLIN: All right. Mr. 12 12 Singleton is? Callaghan, did you ever open that CD at any point? 13 13 THE WITNESS: I do not recall, Your THE WITNESS: Not without scrolling up. 14 MR. McKAY: Do you, as you sit here 14 Honor, ever opening that CD. 15 15 without scrolling up as you say and looking further JUDGE COUGHLIN: Okay. at reading this exhibit as we're here in court, you 16 MS. JACKSON: If I could respond, Your 17 don't know who the Singleton is that's referenced in 17 Honor. 18 18 this IAR? JUDGE COUGHLIN: Yes. 19 THE WITNESS: No. 19 MS. JACKSON: There's a few things to 20 MR. McKAY: Okay, so Your Honor, I respond here. So I'm going to take them in turn. 21 object. I think there's a lack of reliability which Obviously, Your Honor has ruled in past orders that 22 I understand is the standard here. There's a lack hearsay is admissible. 58 59 1 1 We understand obviously that we are still those might come up again and I just wanted to kind of just quickly address that. potentially subject to the rules of evidence. These 3 3 I did jump ahead a little bit in terms of I can We submitted our prehearing exchange 4 continue to lay a little bit more foundation with almost two years ago. Those recordings, the video 5 of the copies of the recordings were in there two Mr. Callaghan. 6 6 But these are Agency records that he years ago. 7 7 reviewed, we filed or submitted an Affidavit. We We have always been transparent and 8 were about to enter that in. I just got a little provided documents upon request. We shared all of 9 ahead of myself. Mr. Callaghan reviewed these our criminal documents beyond what's in the 10 10 documents in detail and submitted a sworn Affidavit. prehearing exchange originally with Respondents. 11 11 He has reviewed them. There are These recordings are not part of our case 12 12 approximately like 36 exhibits here. They are very in chief. We did not view them as part of our case. 13 long. It is difficult for him to see and I do They are a chain of custody issue. We are using the 14 acknowledge that, but they are Agency records he summaries -- under the Federal Rules of Evidence we 15 received in the ordinary course of business. 15 can use summaries. 16 16 They were created in the ordinary course And that's what we're using them for. 17 of business and I believe if we continue through, we 17 I'm trying to think if there's anything else that I 18 can kind of put this to the side for now if you want 18 haven't addressed. But we would have been willing 19 19 to delay this ruling. to provide those had they had Respondents raised it 20 20 I could continue to walk through and lay and been clear that they wanted copies of them. 21 21 further foundation for his review of these But I do feel like the issue of the CDs

22 documents. Finally, with regards to the recordings,

22 may come up again and I would like that kind of

60 1 ruled on now rather than kind of continue to make 2 this an issue. 3 JUDGE COUGHLIN: Okay, understood. The 4 summaries that you're referring to, Ms. Jackson are, 5 are we speaking of the CD or what are you talking about with the summaries? 7 MS. JACKSON: The Investigative Activity 8 Reports are summaries of the recordings. 9 JUDGE COUGHLIN: Oh well, oh yes. 10 MS. JACKSON: They're what agents kind of 11 put into the record. And I apologize, we could have probably done a better job of explaining that

put into the record. And I apologize, we could hav probably done a better job of explaining that information from Mr. Callaghan, but yes.

So they have these CDs, those are kind of for criminal chain of custody, those are stored in a different place. And then the investigative IAR

are what's stored in the electronic case managementsystem. And that's what Mr. Callaghan reviewed.

19 JUDGE COUGHLIN: Okay. All right, I
20 understand. Before I rule and I do think I need to
21 rule --

22 MS. JACKSON: Sorry.

61

1 JUDGE COUGHLIN: -- sooner than later

2 because I'm assuming this is the same landscape with

3 all the other IARs that you're going to seek to

4 admit because this witness is a substitute for Mr.

⁵ Mugleston.

7

6 MS. JACKSON: Yes.

JUDGE COUGHLIN: Correct?

8 MS. JACKSON: Since he's retired.

9 JUDGE COUGHLIN: Okay. So let's just

10 kind of deal with this now. I think it would be

11 helpful however since you did reference an Affidavit

12 to go ahead and cover that foundationally and then,

13 Mr. McKay, I will check in with you again.

14 MR. McKAY: Okay.

JUDGE COUGHLIN: If you, you know, wish

16 to maintain that objection, I understand and I'll

17 rule if there's anything more you want to add. I

18 want to give you the opportunity to do that too.

MR. McKAY: Okay.

20 JUDGE COUGHLIN: Okav?

21 MR. McKAY: I have to say in response to

22 what she just said, that I'll stand down if you

62

19

63

1 will, if --

2 JUDGE COUGHLIN: Well --

3 MR. McKAY: -- you don't wish to hear

4 from me again.

5 JUDGE COUGHLIN: Yes, it might just be

6 since I'm asking her to review the Affidavit in the

7 event you have any questions for that too, maybe if

you don't mind, you can just lump it all together.

9 MR. McKAY: Sure.

10 JUDGE COUGHLIN: Of the witness or just

11 of an objection.

12 MR. McKAY: Thank you.

13 JUDGE COUGHLIN: Okay, absolutely.

14 Please go ahead, Ms. Jackson.

15 BY MS. JACKSON:

16 Q Okay, I got us a little off track, Marc,

17 or Mr. Callaghan. So let's move back. We were

18 talking about the case numbers and case title.

Were these same identifying factors used

20 consistently in the electronic case management

21 system for this case?

22 JUDGE COUGHLIN: Mr. Callaghan, I

1 couldn't hear you respond.

2 THE WITNESS: I apologize, Your Honor.

3 My microphone was off. The answer is yes.

4 BY MS. JACKSON:

Q And then, Mr. Callaghan, did you prepare

6 a sworn Affidavit for this case?

7 A Yes, I did.

8 Q Mr. Callaghan, Ms. Tribett, would you

9 please publish CEX76? And if you could scroll all

10 the way to the bottom. Thank you. And then can you

11 go back up to the top please. Mr. Callaghan, did

12 you prepare this document?

13 A Yes, I did.

14 Q And what is it?

15 A This is an Affidavit that I prepared and

16 had witnessed, notarized. I saw my signature at the

17 bottom when you were scrolling. It gives a little

18 bit of my background and it talks about my review

19 of, if you scroll I think to the second or third

20 page, the IARs that I reviewed prior to my testimony

21 today.

(Whereupon, the above-referred to

64 1 document was marked as Complainant Exhibit 76 for mean to interject or interrupt your thought, but 2 could you provide him with a final copy of what you identification.) 3 Q And is this Affidavit true and correct? provided to the Tribunal and to Respondents of your 4 final exhibits? He --5 5 MS. JACKSON: Your Honor, Complainant MS. JACKSON: Yes. Mr. Callaghan has 6 requests that the Tribunal admit CEX76 into that. I just instructed him to kind of follow the 7 evidence. 7 Court, but --8 8 JUDGE COUGHLIN: All right. Mr. McKay, JUDGE COUGHLIN: Okay. 9 9 did you have some questions you wanted to ask the MS. JACKSON: -- Mr. Callaghan, can you 10 witness first or do you have an objection? 10 access these exhibits on your computer? 11 11 MR. McKAY: I do. THE WITNESS: Yes, if it's okay with the 12 12 Court, I'll go ahead and open those up. I have a JUDGE COUGHLIN: Okay. 13 MR. McKAY: Just, I understand she's only 13 hard copy on my computer. 14 14 moved to admit this specific exhibit, but I have JUDGE COUGHLIN: Okay, and just to be 15 15 some questions regarding this exhibit if may. clear, I'm talking about what was submitted just a 16 JUDGE COUGHLIN: Absolutely. handful of days ago identified as Complainant's, 17 17 hold on. I want to make sure I've got this. MR. McKAY: Yes, thank you. Special 18 18 Agent Callaghan, could you look at paragraph 13 of Complainant's hearing exhibits, final. Right? 19 this exhibit, it's on Page 2. 19 MS. JACKSON: Yes. 20 20

67

22 Respondent has.

66

21 to make sure you're looking at what I have and what

JUDGE COUGHLIN: Okay. So that's, I want

1 MS. JACKSON: Okay. 2 JUDGE COUGHLIN: Is that the same file 3 that has --4 MS. JACKSON: I believe so. It should 5 have been two days ago and there are no changes б since these were submitted. 7 JUDGE COUGHLIN: I'm sorry what? And let 8 me have you identify yourself too. 9 MS. TRIBETT: Okay. 10 JUDGE COUGHLIN: I know you're assisting. 11 MS. TRIBETT: I'm sorry. 12 JUDGE COUGHLIN: No, that's okay. 13 MS. TRIBETT: My name is Kate Tribett. 14 I'm a paralegal with the United States EPA. 15 JUDGE COUGHLIN: Okay. 16 MS. TRIBETT: Mr. Callaghan was sent the 17 exhibits I believe several months ago. But there 18 have been no changes since when we sent it to him

and when we actually transferred the file to the

22 Callaghan, it might be easier because I can see what

JUDGE COUGHLIN: Okay. All right so, Mr.

THE WITNESS: Can that be blown up for

JUDGE COUGHLIN: It might just, I don't

1 you're referring to about the shared screen and the 2 small display. 3 So it might be easier if you can also pull it up on your end while it's being published to 5 maybe --6 THE WITNESS: Yes, Your Honor. 7 JUDGE COUGHLIN: -- facilitate some of 8 this. 9 THE WITNESS: I have that paragraph up, 10 line 13 on my computer and I can share this with the 11 Court or I could read it to make sure we're all 12 talking about the same point. 13 MR. McKAY: Sure. So we're talking about the Exhibit, Complainant's Exhibit 76, paragraph 13. 15 Right? That's your understanding? That's what you 16 have in front of you. 17 THE WITNESS: That's my understanding. 18 MR. McKAY: Yes, could you read that --19 THE WITNESS: Yes, sure. 20 MR. McKAY: Could you read paragraph 13? 2.1 THE WITNESS: I draft, maintained and had 22 access to all records associated with the Prime,

Court.

19

20

21

21

22

me? I cannot see that.

69 68 1 Inc. investigation in ECRS and then in OSHA. lead agent when this matter came to EPA for 2 MR. McKAY: What did you mean by you investigation so he was assigned as the lead agent. 3 3 draft all records associated with Prime, Inc.? Now, over time, responsibilities changed 4 THE WITNESS: That's a good question. So and there was a point when Darren Mugleston retired 5 and I was in charge of, I was the lead agent after in this investigation, it's my recollection that I did draft some investigative activity reports he retired. 7 7 associated with this case. MR. McKAY: Special Agent Mugleston did 8 I'm trying to think, I'm trying to the bulk of the investigative work on this case. 9 9 recall, but I don't think they're exhibits that the You would agree with that? 10 10 THE WITNESS: Yes, I would. Court is looking at. 11 11 MR. McKAY: Right, and this paragraph MR. McKAY: And did you draft this 12 12 suggests that you drafted all of the records Affidavit or did somebody else draft it for your 13 associated with Prime, Inc. Is that an error? 13 signature? 14 14 THE WITNESS: It is. I did not draft the THE WITNESS: It was draft primarily by 15 15 Laurianne Jackson. I did review it, I did correct majority, the majority of these are drafted by 16 it. I made corrections and made sure that errors Darren Mugleston. 17 17 were corrected before submittal. MR. McKAY: He was the case agent? 18 18 THE WITNESS: Correct. MR. McKAY: Okay. And I think we 19 MR. McKAY: And by case Agent, I mean he 19 established through Exhibit 10 that we looked at 20 had primary responsibility for the case whereas you 20 previously that you didn't necessarily go through 21 did not. and review carefully all of the Complainant's 22 exhibits that are reflected in Table 1. Would you THE WITNESS: Darren Mugleston was the 70 71 believe, and correct me if I'm wrong, is that all of 1 agree with that? 2 the documents, all of the exhibits that are THE WITNESS: I did. I opened up every 3 one of them and I think the question of review is reflected in Table 1 are part of EPA's CID records. Correct? one of, you know, what level of detail did I get in.

5 I looked at these to confirm that they were EPA

6 Investigative Activity Reports assigned to the case.

7 MR. McKAY: Okay, so you --

8 THE WITNESS: I also, sorry.

9 MR. McKAY: I interrupted and I'm going

10 to let you keep talking, sorry.

11 THE WITNESS: So it was my understanding 12

that my objective or the goal here was for me to go

13 in to review these to become familiar with them.

14 You know. I looked at them to make sure

15 that they were associated with this investigation.

16 I looked at them and generally read the synopsis and

17 some of them I read in full.

18 Others I read in part, but I wanted to be

19 able to testify to the fact that these Investigative

Activity Reports were true and accurate and that

21 they were associated with this case.

22 MR. McKAY: So what you can say, I

- 5 THE WITNESS: Correct.
- 6 MR. McKAY: Okay. But you don't have
- 7 personal knowledge regarding the, concerning the
- 8 bulk of these exhibits. Correct?
- 9 THE WITNESS: I don't think that's a true
- 10 statement. Because Darren was in the office with
- 11 me, right. We were talking about these things.
- 12 He was asking me for advice on, you know,
- 13 how to move the case forward. There was open
- 14 dialogue between us. I was familiar with this case.
- 15 MR. McKAY: But if an IAR refers to an
- 16 interview conducted by Darren and by Darren you mean
- 17 Special Agent Darren Mugleston. Correct?
- 18 THE WITNESS: Correct.
- 19 MR. McKAY: So the interview was
- 20 conducted by Special Agent Mugleston that you
- 21 weren't present at, you would not have personal
- knowledge of that interview?

72 73 1 THE WITNESS: I would not have first-hand recorded interviews. knowledge because I wasn't there, but I would know 2 2 MR. McKAY: Can you say which two? 3 3 about it, you know, if Darren and I discussed it or THE WITNESS: I listened to the interview 4 if I reviewed it as part of the case file. of Drake, the Prime truck driver and I listened to 5 MR. McKAY: You would know what he told the interview of Bonner, ISP, the Idaho State Police you or you would know what he wrote in his report. Trooper. 7 7 Correct? MR. McKAY: Yes. Any others? 8 8 THE WITNESS: I don't recall, Mr. McKay, THE WITNESS: Correct. 9 9 MR. McKAY: And if there was a recording listening to any others in preparation for today's 10 10 made of that interview, and if that recording is 11 part of the CID files in this case, you did not MR. McKAY: Or how about in preparation 12 necessarily go or you did not go and listen to any 12 for your signing of this Affidavit. It doesn't 13 of those recordings to confirm the accuracy or the 13 sound like you listened to the digital recordings 14 completeness of the IARs that are identified in 14 prior to signing the Affidavit. Am I right about 15 Table 1 of this exhibit? 15 that? 16 THE WITNESS: That's not a true statement 16 THE WITNESS: The two that I spoke to you 17 17 about, I did listen to. because I think if we were to scroll to my, to the 18 18 exhibits, there would be an interview, there would MR. McKAY: Okay. 19 be several of these interviews which were audio 19 MS. JACKSON: Marc, can you clarify that? 20 recorded interviews. 20 Before your Affidavit you said you listened to them? 21 21 And in anticipation of my testimony today THE WITNESS: Yes. 22 I did listen to, for certain, two of these audio 22 MR. McKAY: Your Honor, I don't object to 74 75 1 1 the admissibility of Exhibit, I want to say Exhibit proceeding. 2 76, subject to the clarifications that have been (Whereupon, the above-referred to 3 made by this witness. document was received into evidence as Complainant 4 And I think we just may have to take up Exhibit 10.) 5 5 some of these specific exhibits referred to in the As you both know, we use the Federal 6 Rules of Evidence as a guide, a very important Affidavit and consider that actionable. 7 JUDGE COUGHLIN: All right. So CEX76, guide, but the rules are a bit more relaxed in an 8 the Affidavit, with the clarifications noted by the 8 administrative context. 9 9 witness is admitted without objection. I'll just And so for that reason, I'm admitting it 10 deal with CEX10 right now. even though it obviously contains hearsay and other 11 11 issues that you've noted, Mr. McKay. With that in (Whereupon, the above-referred to 12 mind, however, while it comes into evidence, it is 12 document was received into evidence as Complainant 13 13 still always subject to argument as to the amount of 14 14 weight I should afford it. In light, it might be helpful in 15 15 explanation of my ruling for other ones that are My tendency generally, unless something 16 16 is very obviously unreliable, is to allow the coming, that may be coming up. Which is not to 17 evidence to come in, recognizing that this is akin 17 dissuade New Prime from making a, you know, 18 examination for foundational reasons or to a bench trial, there's no jury, so it all comes 19 up to me to parse through and determine the clarification at all. 20 competence of the evidence before me when I have the 20 I understand the nature of the objection. 21 I'm going to admit CEX10 over objection based on the 21 entire record to review, evidentiary record. 22 22 liberal view of hearsay in an administrative Let me be clear about that. And, to then

76 77 1 assign weight accordingly to pieces of evidence 1 JUDGE COUGHLIN: That would be fine. 2 MR. McKAY: Thank you. 2 whether it's testimonial or documentary. So I say 3 3 that just to kind of alert both sides that while I JUDGE COUGHLIN: Thank you. Yes. And I 4 might allow evidence to come in, that if the parties guess the other point I'll sort of put out there is want to argue as to, you know, how reliable it might I'm not altogether clear as to whether Mr. Callaghan 6 be or how much weight or emphasis I should give it was involved in any of the actual drafting or had 7 in evaluating the evidence when I need to draft a any first-hand information with regard to any of the 8 decision, that is always subject to argument. other IARs. 9 9 Is that clear? Does it make sense? Are Initially my impression was that he did 10 10 there any questions about it? not, that his familiarity was with perhaps other 11 MR. McKAY: No. It's clear, Your Honor, documents that have not been submitted in this 12 and I represent to the Court that I can certainly 12 matter, but then later I thought I heard something 13 have an examination and an objection like I have 13 that made me question that. 14 14 with Special Agent Callaghan on other exhibits. So that is a point I want to have very 15 And it doesn't, I understand the Court's 15 clear as we move forward. 16 ruling and so maybe to short circuit this, what I 16 MS. JACKSON: Okay. 17 17 may do when the Government moves it's submissions, JUDGE COUGHLIN: So that I know exactly 18 just simply ask for a, or that the Court recognize 18 what the landscape is. And, Mr. McKay, to the 19 a standing objection to that exhibit. Just for 19 extent you or Mr. Ryan need to ask a few questions 20 purposes of having a full record here. to clarify that, if it's not otherwise clear before 21 JUDGE COUGHLIN: That would be fine. we get there, please do so because I want to make 22 MR. McKAY: Okay. 22 sure I have an understanding of that. 79 78 1 MR. McKAY: Thank you. 1 transmitted documents primarily. 2 2 JUDGE COUGHLIN: Thank you. So kind of like larger categories. I'm 3 MS. JACKSON: I just have one more getting the feeling that that is not going to work, 4 clarification in terms of process. I believe now that we need to just walk through every exhibit, but 5 we're not going to try, we were going to potentially based on what Your Honor said about basically 6 try for like global entry of the IARs as business admitting most things subject to objection, I wanted 7 records after kind of laying the foundation with Mr. to see if maybe we could take that approach. 8 8 Callaghan and then obviously talking about its JUDGE COUGHLIN: What says New Prime? admissibility in terms of its relevance to this case 9 MR. McKAY: I certainly don't want to based on the fact that they're all from Prime. 10 tell the Government how they wish to present their 11 11 I have another suggestion potentially exhibits, but we certainly wish to make known our 12 would work for efficiency and if not, that's fine, 12 objections to a number of these exhibits. 13 13 we'll just walk through each exhibit, but one thing And so if it's offered in that sort of 14 we were thinking about proposing was kind of doing serial fashion, the counsel presents that we'll do 15 what we would call kind of like larger categories of 15 our best to make the objections as, you know, given 16 the documents. 16 the Court's ruling to each of the exhibits if they 17 Meaning the category of the documents 17 in order to move them in. where Mr. Callaghan has direct first-hand knowledge, 18 Counsel's right. I mean there are a category where he is purely testifying as a 19 certain of these exhibits in which Special Agent 20 Government Agency Record Custodian, and then another 20 Callaghan is referenced and so he may not have been 21 one where he is also testifying as a Records 21 the author of the IAR, but he's, we now know because 22 Custodian, but he's like, you know, these IARs like 22 of the EPA's provided us with, you know, unredacted

83

records that refer to him, we now know that he was
 part of some of these.
 So I'll defer to counsel however, you

 $4\,\,$ know, she wishes to, you know, to address these

 5 exhibits, but I just wish be to given the

6 opportunity to address them as well.

JUDGE COUGHLIN: Yes. I think maybe what you could just do and I appreciate the offer, but

9 since there does seem to be some variation, it

10 sounds like there were three categories of issues.

And maybe just to keep it clear, I'll just ask you to provide those points of

13 clarification when you're reviewing each exhibit so

14 that I understand the level of involvement or

whether it's review or purely, you know, a custodian

16 of records type of offer as does New Prime.

17 And then if there are any other

18 additional objections that need to be noted, New

19 Prime can address them.

20 MS. JACKSON: Okay.

21 JUDGE COUGHLIN: And we'll just go one by

22 one. I think if you're knowing this now and able to

1 cover some of these points, I think that will build

2 some efficiency into the process.

3 But there are a lot of them and this is

4 an important case and there's a lot of money at

5 stake so I'd rather go through some of the detail so

6 that the record is very clear and we all understand,

7 you know, what the situation is.

8 MS. JACKSON: I understand. Thank you,

9 Your Honor.

JUDGE COUGHLIN: You bet, so before I

11 lose track, CEX76 was admitted without objection and

12 CEX10 is admitted over objection by New Prime.

MR. McKAY: Okay.

14 MS. JACKSON: Thank you, Your Honor.

15 BY MS. JACKSON:

16 Q Mr. Callaghan, I'm going to ask you just

17 a few more general questions and then we'll get to

18 each specific exhibit.

19 THE WITNESS: Yes. Laurianne, before you

20 proceed, can I make a correction to a statement I

21 made?

13

MS. JACKSON: Go ahead.

82

80

THE WITNESS: So I said that I listened

2 to an interview an audio recorded interview of ISP

3 Trooper, I did not do that. I don't think, after

4 further recollection, I was just waiting patiently

5 for an opportunity to correct the record.

6 I did not listen to that. I do not think

7 one exists unless somebody can refresh my memory.

8 I did not listen to that audio recorded interview,

9 because we didn't record him based on my

10 recollection.

1

11 MS. JACKSON: Thank you, Mr. Callaghan.

12 There are a lot of interviews so it's

13 understandable. With regard, so I'm just going to,

some of it will be a little bit of repeat, but just

15 to kind of re-orient everybody in particular, what

16 was your role on the criminal investigation with

17 Prime?

THE WITNESS: So my role was just as a

19 supporting agent when Darren Mugleston, Special

20 Agent Darren Mugleston was the lead agent. I was

21 there just, you know, to talk about the case and to

22 help him out at times.

1 So I was there to assist him I guess I

2 would say. But there came a point in time later

3 after Darren Mugleston retired that I became the

4 lead agent on this matter.

5 MS. JACKSON: Okay.

6 JUDGE COUGHLIN: Just if I can jump in

7 quickly. Do you know when that was, when that date

was that he retired and you became the lead?

9 THE WITNESS: I think that's in my

10 Affidavit. My recollection is it's a line item in

11 there and I'm thinking that it's in approximately

12 2016, sometime in 2016.

JUDGE COUGHLIN: So is it paragraph 12 of

14 CEX76, if you can see that?

15 THE WITNESS: Let me pull that up please.

16 JUDGE COUGHLIN: Okay.

17 THE WITNESS: Yes. Yes, Your Honor.

18 More specifically March 2016.

19 JUDGE COUGHLIN: All right, thank you.

20 MR. McKAY: Your Honor, I think there's

21 some, just so we're clear about this, I don't think

22 that, I think the question was, your question was,

87

84

- 1 when Darren Mugleston retired, he became co- or he 2 became the lead agent. 3 JUDGE COUGHLIN: Yes.
- 4 MR. McKAY: The next paragraph says 5
- something different than that.
- 6 JUDGE COUGHLIN: Okay.
- 7 MR. McKAY: It describes him as becoming
- 8 co-lead agent. And so I think maybe it's possible
- 9 that Darren, Special Agent Mugleston retired after
- 10
- 11 JUDGE COUGHLIN: Okay, thank you,
- 12 actually, Mr. McKay.
- 13 MR. McKAY: Am I right about that,
- 14 Special Agent?
- 15 THE WITNESS: Mr. McKay, I can't recall
- 16 when Darren Mugleston, my recollection was -- I just
- 17 went into our electronic system and found out when
- my title changed to co-lead as I think where I got 18
- 19 this paragraph from so as you may be right. I don't
- recall when Darren Mugleston retired.
- 21 MR. McKAY: Well if there are exhibits,
- 22 if there are IARs that were offered by Special Agent

- Mugleston in, for example, August of 2016 would you
- agree with me that suggests he did not retire in
- March of 2016?
- 4 THE WITNESS: Correct.
- 5 MR. McKAY: Yes. And I think you
- indicated the inspection of the Prime facility
- 7 occurred in August of 2016. Right?
- 8 THE WITNESS: Yes, if that was CEX10 and
- 9 that was the date on that.
- 10 MR. McKAY: Yes.
- 11 THE WITNESS: Then I would agree with
- 12 that. It's not up in front of me, but if that's
- 13 what that IAR says, I would agree with that.
- 14 MR. McKAY: Okay. Your Honor, my
- 15 apologies. I just have --

16

- JUDGE COUGHLIN: No, no I appreciate the
- 17 clarification. I think I might have created some
- 18 confusion by referring to that paragraph and not
- 19 realizing the limitation so thank you for
- 20 identifying that actually.
- 21 So you were co-lead as of March 2016 and
- 22 then thereafter we don't know when, Mr. Mugleston

- 1 retired?
- 2 THE WITNESS: Yes, Your Honor.
- 3 JUDGE COUGHLIN: Does anybody know when
- 4 he retired?
- 5 MS. JACKSON: I actually don't know the
- 6 exact date of his retirement. I'm sorry.
- 7 JUDGE COUGHLIN: Okay, all right. So
- 8 we'll just, you know, gather what we can from the
- 9 exhibits, but go ahead, Ms. Jackson.
- 10 MS. JACKSON: I can certainly try to
- clarify that during break. Do you recall how EPA 11
- 12 CID learned of this case?
- 13 THE WITNESS: Yes, this was a, this was
- a matter that was in front of the Idaho Department
- 15 of Environmental Quality, kind of our sister agency
- 16 at the State level.
- 17 They had this, they were looking into it
- 18 and they contacted EPA, Darren Mugleston
- 19 specifically, and asked for a meeting with us.
- 20 BY MS. JACKSON:
- 2.1 Q Okay, and how did EPA CID share the IARs
- related to Prime stored in the electronic case

- 1 management system with civil enforcement at EPA?
- A It's my understanding that the, that --
- well let me back up. I know specifically I closed
- this case, I closed the criminal case and I recall
- referring the matter to EPA's civil program for
- whatever follow up they deemed appropriate.
- 7 So I closed the case and then it's my
- understanding that the RCEC provided these IARs to
- EPA's Region 8 Civil Program upon request.
- 10 Q And can you clarify for the record, what
- 11 you mean by RCEC?
- 12 A Yes, RCEC is another acronym that stands
- 13 for Regional Criminal Enforcement Counsel. They are
- attorneys that assist EPA's criminal investigation
- 15 Division and specifically the agents.
- Q Okay and I know we touched on this --16
- 17 So --Α
- 18 Q Oh, go ahead.
- 19 A To assist with legal matters so.
- 20 Q And I know we touched on this previously,
- 21 but just for clarification, in preparation of your
- 22 Affidavit and for your testimony today, did you

89 88 1 review all of the IARs listed in your Affidavit? 1 begin, I'm sorry, Your Honor, I have one more 2 MR. McKAY: I think it's been asked and clarification. 3 3 answered and clarified by this witness. I asked Ms. Tribett to send the file 4 MS. JACKSON: Okay. folder to Mr. Callaghan so he could be pulling up 5 JUDGE COUGHLIN: I think you did actually the exact same exhibits and we don't have access to 6 ask that. do that. Is there a way that we can do that through 7 MS. JACKSON: Yes. 7 8 8 JUDGE COUGHLIN: Sustained. JUDGE COUGHLIN: Do you need Wi-Fi? 9 9 MS. JACKSON: Withdraw the question. But MS. JACKSON: No, I think it's a matter 10 thank you. Sorry. Have any of these documents been 10 of access, maybe having access to the folder, like 11 altered in any way, well actually, I'm going to 11 it needs to be maybe --. 12 12 withdraw that because of all of our previous MS. TRIBETT: Oh, it's because I can't do 13 conversation. Thank you. 13 it while presenting to the Court. If we took a ten-14 Okay, we're going to turn to each 14 minute recess --15 exhibit. And just one second please. 15 MS. JACKSON: I'm sorry. So I think that 16 BY MS. JACKSON: 16 might, I'm sorry, I misunderstood the note. So if 17 Q Mr. Callaghan, you previously testified 17 we could just take like a five or ten minute break 18 about the criminal enforcement division's management 18 that way we ensure that he has the correct records 19 of IARs generally and in this case. 19 in front of him. 20 20 I'm going to ask you a few questions I think that might help our record moving 21 about each IAR. Let's look at CEX, these are all 21 forward as we move on through the exhibits. 22 from your Affidavit, CEX07. And actually before we 22 JUDGE COUGHLIN: The same folder that you 90 91 1 supplied to -identification.) 2 2 MS. JACKSON: Yes. BY MS. JACKSON: 3 3 JUDGE COUGHLIN: -- us and, I think that Q Mr. Callaghan, can you see CX07? 4 would be best so I'm happy to do that. It's almost 4 A I can see it in the screen -- I can see 5 10 past, why don't we come back in 10 minutes, 10:20 it on the screen and I can also pull it up 6 a.m. and we'll pick up. independently, whichever is preferred here. 7 7 Q Is what you're seeing on the screen MS. JACKSON: Okay, thank you. 8 8 JUDGE COUGHLIN: Thank you. readable to you? 9 9 (Whereupon, the above-entitled matter A It's a challenge. I prefer to pull it up 10 went off the record at 11:07 a.m. and resumed at 10 through the file folder that Ms. Tribett sent me if 11 11:23 a.m.) 11 that's okay. 12 12 JUDGE COUGHLIN: All right. We're back MS. JACKSON: I believe Your Honor said 13 13 on the record. A little bit longer, but that's that was acceptable. Is that right? 14 14 okay. Were you able to share the folder with Mr. JUDGE COUGHLIN: Yes. 15 15 Callaghan? MS. JACKSON: Yeah. 16 16 JUDGE COUGHLIN: I mean any objection MS. JACKSON: Yes, Your Honor. 17 17 from New Prime? JUDGE COUGHLIN: Okay, great. All right. 18 18 Please continue, Ms. Jackson. MR. MCKAY: No. 19 19 JUDGE COUGHLIN: Okay. MS. JACKSON: Ms. Tribett, if you could 20 20 MR. MCKAY: I mean I guess we'll just please publish CX7 -- CX07. 21 21 take it as it comes and see how well it works, but (Whereupon, the above-referred to no objection to the process. 22 document was marked as Complainant Exhibit 7 for

92 93 1 JUDGE COUGHLIN: Okay. 1 from the IDEQ inspection -- sorry, not IDEQ 2 2 inspection. Let me correct that question. Is that BY MS. JACKSON: 3 a correct and true -- true and accurate copy of the Q Yes. Thank you, everyone for your 4 patience as we deal with new virtual world. Do you IDEQ inspection report that was shared with the 5 recognize this exhibit? Agency? 6 6 A Yes, I do. THE WITNESS: Yes. 7 7 MS. JACKSON: Your Honor, at this time, Q And how do you recognize it? 8 A I recognize it based again on the case Complainant requests the admission of CX07. 9 9 number and the case title as being related to Prime, JUDGE COUGHLIN: Any objection from New 10 Inc. Additionally, I recognize the subject of the 10 Prime? 11 11 report. It reminds me of this meeting that took MR. MCKAY: Your Honor, and I promise not 12 place with IDEQ. 12 to do this for every exhibit. But may I just ask a 13 Q Okay. And did you review this affidavit 13 couple questions of this witness? 14 14 -- sorry -- this exhibit in preparation of your JUDGE COUGHLIN: You may. 15 15 affidavit as well? 16 16 MR. MCKAY: And I'll make other A Yes, I did. 17 17 objections that don't require me to ask questions MS. JACKSON: Kate, if you can kind of 18 quickly scroll through to the bottom please. Maybe 18 based upon your ruling. not that quick. Thank you. You can go back to the 19 But Mr. Callaghan, could you turn to Page 20 top. 20 12? And if the Government could pull up Page 12 of 21 21 this exhibit -- Complainant's Exhibit 7. Actually, Mr. Callaghan, is CX07 a true and 22 accurate copy of that investigation activity report 22 if you would turn to Page 15 of this exhibit. And 94 95 $1 \,\,$ -- we need to go through all this because New 1 if you could scroll down towards the bottom. Could 2 you go to the next page, Page 16 of this exhibit as Prime's got to have what I have and what you have 3 well? without any hindrance. So I'm glad you mentioned 4 4 it. So Mr. Callaghan, are you seeing the --5 5 MS. JACKSON: Can I ask where those are on the exhibit that you're looking at, are you from? Are they from the shared folder that we 6 seeing the words that are reflected on the paper or 7 are you seeing a bunch of characters for one, you submitted to the Court? 8 8 know, a better term? MR. MCKAY: Well, this is the -- And Your 9 THE WITNESS: I don't know that I Honor, I'm showing EPA counsel now an exhibit that 10 has been Bates stamped by the Government CX07, Page understand the question. 11 16 of 105. And what I see is these characters. I MR. MCKAY: Yeah. So are you able to for 12 12 don't see any words on there and that's the form example on Page 16 of that exhibit, if you looked at 13 Section 4, "inhalation" -- If you could scroll up --13 that we received this. 14 14 THE WITNESS: Yes, sir. MS. JACKSON: But in what manner, from 15 MR. MCKAY: Are you able to read words in 15 where did you --16 16 MR. MCKAY: From the EPA. that section? 17 17 THE WITNESS: Yes, I am. MS. JACKSON: Okay. 18 MR. MCKAY: So the exhibit that I have 18 MR. MCKAY: So I mean has there been a --I don't know, has there been a correction of that 19 from the EPA, it's all characters and I'm glad to 19 20 exhibit? 20 show counsel to help me understand this, but this is 21 21 the form that we've received this. MS. JACKSON: My question is like from 22 22 what submittal, from what date so that we can JUDGE COUGHLIN: Okay. Yeah, we need to

97 96 1 clarify what you're looking at. Where is it from? 1 MS. JACKSON: Yes. 2 2 What was shared with the Court? Because I believe JUDGE COUGHLIN: Because I don't know why 3 the Court is looking at a clean version. I can't --3 I'm seeing words, but they don't. 4 I don't know what chronology might have happened. 4 MS. JACKSON: Well, there's a couple of 5 JUDGE COUGHLIN: So let's hold on for 5 things. We had the pre-hearing conference with just a minute here. And I might need you to Alyssa. We were told that's how we would share our interject here for a minute because you received the exhibits. We would put them in the folder to you. 8 folders titled "Final exhibits" from both And I believe that's what was done and that's what 9 Complainant and Respondent. And then you shared you're seeing here. We also -- We haven't changed 10 that with me last week, I think. I don't know the 10 the numbering of exhibits, so we also shared these precise date, but it was sometime last week, I think exhibits with our pre-hearing exchange, you know, 12 toward the end of the week maybe or mid-week. But 12 whatever, 18, 19 months ago. And this would have 13 that's what I have. Is that the right process? I been in the core exhibits. So I can't speak to why 14 mean you got it from them. You shared it with me. -- I have no idea why their version looks different. 15 MS. JACKSON: Yes. That's the process that we took to share exhibits 16 JUDGE COUGHLIN: Okay. Now in terms of was filing in the shared folder with Alyssa. 17 17 was that the same process used for Respondent? Like JUDGE COUGHLIN: But my question is --18 did you share it with the Tribunal and Respondent? 18 no, it's okay. We'll fix this. But what you shared 19 MS. JACKSON: Yes. 19 with us last week, did they -- did Respondent also 20 JUDGE COUGHLIN: I wasn't privy to that 20 have a link to those final exhibits? 21 21 initial -- that initial transmission, so I'm asking MS. TRIBETT: Your Honor?

98

22

99

3 been able to access each other's folders. 4 JUDGE COUGHLIN: Okay. And you did that? 5 MS. TRIBETT: Yes. 6 JUDGE COUGHLIN: Okay. So I don't know 7 why this is happening, but obviously we need to halt 8 and fix this before we go any further. 9 MS. JACKSON: Your Honor, we do have a 10 clean copy -- hard copies --11 JUDGE COUGHLIN: Okay. 12 MS. JACKSON: -- of all exhibits. 13 MR. MCKAY: I think it might also be 14 useful to -- because the origin of this might very 15 well be the Government's pre-hearing exchange. And 16 it would be very easy to go look at Complainant's 17 Exhibit 7 and see if what I've described is 18 reflected on that pre-hearing exchange. I didn't 19 contemplate that there would be -- We didn't

20 contemplate that there would be a change in this

22 So I would suggest that we look at the pre-hearing

21 exhibit on what, you know, EPA ultimately submitted.

MS. TRIBETT: The links were shared with

2 both Respondent and Complainant and they should have

1 exchange and see what format that exists. 2 JUDGE COUGHLIN: Okay. 3 MS. JACKSON: Our tech just said that you can get errors if their version of Adobe is not the current version, so it depends on what version of Adobe you use. 7 JUDGE COUGHLIN: And my reluctance to refer to the pre-hearing exchange is that at my direction, I asked Alyssa to communicate with -- it 10 wasn't so much an issue with Respondent's exhibits, 11 but there were very large documents of hundreds of 12 pages within which multiple exhibits were contained. And that is not acceptable to me because I need to be able to go precisely to one exhibit, pull it up, 15 and not waste time scrolling through a mass. So I 16 asked -- I directed Alyssa to instruct both sides, 17 but it was largely toward Complainant because that's where the issue was for me, to clean all that up. And not change, but simply to better organize so 20 that I could quickly get my hands on the specific 2.1 exhibit number.

So that's why I would be reluctant to

JUDGE COUGHLIN: Yes.

22

22 you.

100 101 1 rely to what's in the pre-hearing exchange. I'm not 1 JUDGE COUGHLIN: Mr. McKay, is that the 2 suggesting that the region has altered anything, but 2 only problem you noted?

3 I wanted it organized better so that it would be 4 easier for me and presumably Respondent to put their 4

- hands on a particular exhibit. So I'd really rather
- 6 that if we can, we're working off the same folder of
- 7 things so there's no confusion or question about
- 8 what we're looking at. We're all looking at the
- 9 same thing. It's very important, I think to protect
- 10 the integrity of the proceeding. So is there a
- 11 quick fix here?
- 12 MS. JACKSON: Well, one thing I was
- 13 thinking if it's just -- I don't know, you know,
- 14 this is large exhibit. So I'm not sure if it's just
- 15 the safety data sheets. Those are elsewhere in the
- 16 record because there are some kind of repetitive
- 17 exhibits. So we could potentially -- I mean, we
- 18 actually -- I believe one of the stipulated
- 19 exhibits, RPPGs SDS's. So that information is
- 20 available elsewhere. But I can't speak to -- I
- 21 don't know exactly what we're trying to correct. If
- 22 it's just the SDS's or if it's the entire files.

- 3 MR. MCKAY: Well, right. That's the only
- -- Pages 15 through 74 on this exhibit for us --
- 5 JUDGE COUGHLIN: Okay. Okay.
- 6 MR. MCKAY: -- appears unintelligible.
- JUDGE COUGHLIN: Okay.
- 8 MR. MCKAY: And I use Adobe Pro, so I
- 9 don't -- and I believe it's the latest version is
- 10 Adobe Pro. So I'm not sure why I'm seeing what I'm
- seeing, except if -- and maybe what I'm seeing
- 12 though is what was produced by the Government in the
- 13 pre-hearing exchange. And as I said, I assumed the
- exhibit stayed the same. I mean it had the same
- amount of pages. It was numbered the same way and
- I didn't perceive that there was a variance, so I
- 17 didn't correct it or whatever is causing -- whatever
- 18 is causing them to see something different than what
- 19 I'm seeing right now.
- 20 JUDGE COUGHLIN: Well, just really
- quickly because I actually have the proposed
- exhibits that had been submitted during the pre-

102

- 1 hearing exchange -- and I just want to quickly
- 2 compare that to what I'm seeing here to see if
- 3 there's a difference. I think it would have jumped
- 4 out at me when I was taking a look, but let me just
- 5 take a second here. Yeah. Yeah. No, it's the
- 6 same. It's the same, what you're referring to. So
- 7 it does appear to be something with the pre-hearing
- 8 exchange submittal.
- 9 MS. JACKSON: Okay.
- 10 JUDGE COUGHLIN: Okay? Because I know
- 11 exactly what Mr. McKay is referring to. There are
- 12 a bunch of characters.
- 13 MS. JACKSON: I would just -- can I
- 14 respond though?
- 15 JUDGE COUGHLIN: Yes.
- 16 MS. JACKSON: You know, I apologize that,
- 17 that happened. There can be -- there's all kinds of
- 18 technology things I guess that could have happened.
- But I will say, you know, we have shared -- outside
- 20 of the pre-hearing exchange, we have shared all of
- 21 these documents with Respondent. We also have been,
- 22 I don't know, available for this correction. It

- 1 just feels like this should have been brought up at
- the pre-hearing exchange. Obviously it didn't come
- through in our final exhibits. We were unaware.
- 4 JUDGE COUGHLIN: Okay. Is this -- well,
- we need to fix it. I don't have the answer to your
- question with regard to technology. I mean I have
- the same Adobe and you know, I'm at EPA and they
- update things. But I see exactly what he is
- referring to. So we need to correct it and we can
- 10 talk about how to do that in just a second. But has
- Respondent -- I don't know how widespread this. So
- 12 has Respondent been able to adequately prepare for
- 13 the hearing?
- 14 MR. MCKAY: Would it be okay for Mr. Ryan
- 15 to answer? Because he's handling some of the
- 16 witnesses that I think would be more relevant to
- 17 this particular -- to this particular document that
- 18 we're looking at.
- 19 JUDGE COUGHLIN: Okay.
- 20 MR. MCKAY: Would the Court be agreeable
- 21 to Mr. Ryan to address your question?
- 22 JUDGE COUGHLIN: Absolutely, sure.

104 105 1 MS. JACKSON: And can I just ask one Complainant's Exhibit 7, Page 13 of 105. 2 2 clarification on the corrupt version, it sounds like JUDGE COUGHLIN: Okay. Let me just -- I 3 of the pre-hearing exchange? What were the page just -- I just want to get there too. 4 4 numbers? And then if we could just clarify those MR. MCKAY: Yeah. 5 5 are only the SDS pages? JUDGE COUGHLIN: Okay. Sorry, one 6 JUDGE COUGHLIN: Well, if you -- what I second. It's hard for me to -- Okay. Yes, that's 7 $\,$ did was I scrolled through. And this is -- what I'm 7 where I see it as well. So Page 13 of 105. 8 8 looking at here is it was submitted -- Again, we're MR. MCKAY: And then skipping forward one 9 talking the pre-hearing exchange process as CX1 9 page, Your Honor, to Pages 15 through 74. 10 through CX13. So that's a 531 page document. And 10 JUDGE COUGHLIN: Can you repeat the 11 I'm scrolling through to get to CX7. And I focused 11 second --12 12 on the pages that Mr. McKay referred to. The MR. MCKAY: Yes, ma'am. Pages 15 through 13 numbering is different because, you know, for 13 74 of this same exhibit. 14 example where this begins on what I'm looking at is 14 JUDGE COUGHLIN: Oh, okay. -- Let me make sure I haven't missed -- Hold on a 15 MS. JACKSON: Sorry. What were the first 16 second. And Mr. McKay, I'm assuming it's the same 16 two? 17 17 for you. MR. MCKAY: The bottom of Page 14 --18 18 MR. MCKAY: Yes. MS. JACKSON: Okay. 19 JUDGE COUGHLIN: So let me get --19 MR. MCKAY: -- and then Pages 15 through 20 MR. MCKAY: And I can identify 20 74. 21 21 specifically for the Court, the pages that I think MS. JACKSON: Okay. 22 are -- that are a problem here. So it begins at 22 JUDGE COUGHLIN: I'm just comparing with 106 107 1 1 mine and I'm almost there. This is why I corrected MR. RYAN: If I may, Your Honor? 2 2 what I did. Okay. Yeah, it's the same on my copy. JUDGE COUGHLIN: Yes. 3 3 MS. JACKSON: I guess the way I would --MR. RYAN: The pre-hearing exchange is 4 if I have the opportunity to clean it up, I would the process by which we trade documents and know 5 just say those are the exact same pages and what the other side is about. We received CX7, this 6 documents in CX32 that's been stipulated to. It's form, from EPA in the pre-hearing exchange. It's 7 the safety data sheets. unintelligible -- these little denominated pages. 8 8 And that's we relied on. And under (audio JUDGE COUGHLIN: Okay. 9 MS. JACKSON: And CX7 that was filed on interference) Part 22 and 22A, no documents -- any 10 the record apparently doesn't have whatever's going document that has not been exchanged prior to -- 15 11 on here. Correct? That's what's shown here. 11 days prior to the hearing may not be admitted unless 12 JUDGE COUGHLIN: Well, but I mean to be 12 good cause is shown. It's a shell. And this 13 -- for clarification though, CX, what I was looking corrected version, I believe came in outside that 15 14 at, what's published for the witness is in the day time period. So under the rules, I think it has 15 folder that was recently transmitted. I don't have 15 to be kept out. 16 those issues either in that folder. But apparently 16 JUDGE COUGHLIN: Okay. When did you 17 Respondent's pulling up copies that I suspect were 17 first discover it? I mean -- Well, actually strike 18 somehow part of the pre-hearing exchange where those 18 that. Okay. So let me ask you though --19 -- where those defects are occurring because I see 19 MR. RYAN: Oh, no. I'm sorry. We

21

21

22

20 them in mine as well.

MS. JACKSON: Yes, Your Honor.

JUDGE COUGHLIN: So --

20 discovered this, you know, a long time ago. We

relied on this document. We didn't see the

22 corrected version until just now.

108 109 1 JUDGE COUGHLIN: Okay. Ms. Jackson, you 1 MR. RYAN: We were relying on the pre-2 2 indicated CX32 contains the same. hearing exchange documents. We assumed that the 3 3 documents that were submitted were the same as the MS. JACKSON: Yes. 4 JUDGE COUGHLIN: Right? pre-hearing exchange. 5 5 JUDGE COUGHLIN: Okay. Okay. I MS. JACKSON: Yes, Your Honor. 6 understand now. All right. JUDGE COUGHLIN: Okay. So let me --7 Well, what I want to determine here is whether or MR. RYAN: There was no reason for us to 8 not this is a repeating issue or whether in another 8 go there and re-open and compare them. We just 9 9 exhibit that Respondent would have had, it's assumed EPA was submitting the same documents. 10 rectified. 10 JUDGE COUGHLIN: Okay. Did at any point 11 -- Did at any point, you or Mr. McKay or anyone MS. JACKSON: Okay. representing New Prime from either of your firms 12 12 JUDGE COUGHLIN: Okay? Because that way 13 I could better address the concerns noted by Mr. reach out to Region 8 to identify the fact that Ryan. So let me take a look at -- but I'm still a 14 those pages contained a bunch of characters and were 15 15 little bit confused about what you've opened --16 16 MR. RYAN: No. Your Honor. We did not. MR. RYAN: Okay. 17 17 JUDGE COUGHLIN: And why was that? JUDGE COUGHLIN: -- to prepare for today 18 18 because if -- What I don't understand is why the MR. RYAN: We were relying on what they 19 folder that was submitted last week contains clear 19 submitted. 20 20 JUDGE COUGHLIN: Okay. Were you copies of everything, you should have that as well. 21 otherwise independently familiar with them -- with MR. RYAN: We do, Your Honor. 22 22 what they contained aside from those defects? JUDGE COUGHLIN: Okay. 110 111 1 MR. RYAN: We assumed they were the same 1 that's a clean copy for you too. Right? 2 2 as Exhibit 32. MR. RYAN: That's correct, Your Honor. 3 3 JUDGE COUGHLIN: Okay. JUDGE COUGHLIN: Okay. 4 4 MR. RYAN: But again, they're attached to MR. RYAN: And we've stipulated to 32. 5 a longer report, Exhibit 7, which relies, you know, JUDGE COUGHLIN: Okay, all right. So I 6 on multiple documents within it. don't think that there's going to be a problem with 7 JUDGE COUGHLIN: Okay. Okay. All right, moving forward then. I recognize that there are 8 thank you. Let me just pull up 32. Now this is issues in another exhibit. But thankfully there's 9 another big one, 597 pages. Can you direct me to a duplicate and they're clear there. So you've at 10 least made aware of the information contained what pages these duplicates would be in 32? 11 11 MS. JACKSON: Ms. Tribett. through a clean exhibit. I'm not really happy about 12 12 (Off-microphone comments.) seeing that. And I think there needs to be some 13 JUDGE COUGHLIN: Okay. Alyssa just better attention paid during the pre-hearing 14 directed me to Page 315. exchange process. But I think you've been saved by 15 MS. JACKSON: I apologize. Thank you. the fact that there's a duplicate here that doesn't 16 JUDGE COUGHLIN: Okay. So let me go down 16 contain the same errors. So because of that, I'll 17 17 here. All right. Bear with me, I'm scrolling. move forward. 18 Okay. I'm scrolling through 32 -- CX32. And 18 But I guess, you know, for clarity in 19 starting at Page 315, which is where the safety data 19 moving forward, I would like for Respondent to be 20 20 sheet information begins. And it's clear. I'm not able to have in front of them, not exhibits that had

seeing the repetition of the -- of the character

22 issues. And from what I understand from Respondent,

been submitted -- proposed exhibits submitted pre-

22 hearing that may contain any defects, but what we're

112

- 1 all looking at that's clean. Because I mean I'm not
- 2 trying to tell you how to proceed, but if you're
- 3 questioning this witness, you need a clean copy.
- 4 And that's contained in what was submitted last
- week, at least with regard to this duplicate. So do
- 6 you want to take a moment and see about pulling that
- 7 up or are you able to pull from your stack of things
- 8 to find a clean copy of the exhibit that's being
- ⁹ referenced so you're not hindered in being able to
- 10 question properly?
- 11 MR. MCKAY: Yeah. We can do that on the
- 12 fly--
- 13 JUDGE COUGHLIN: Okay.
- 14 MR. MCKAY: -- Your Honor.
- 15 JUDGE COUGHLIN: Okay. All right.
- MR. MCKAY: And I'm finished with my
- 17 inquiry of this witness in aid of objection. I do
- 18 have a further objection to the exhibit. So
- 19 whenever the Court wishes to hear that, I'll
- 20 complete the objection.
- JUDGE COUGHLIN: Right now is just fine.
- 22 MR. MCKAY: Thank you, Your Honor. So

- 1 Complainant's Exhibit 7 reports to be a report from
- 2 an individual at the Department of Environmental
- 3 Quality that was delivered by another individual by
- 4 email to Special Agent Mugleston -- in part, that's
- what it is. And none of those people, of course,
- are here. The report of the first individual of
- 7 Department of Environmental Quality, Maureen Vicente
- 8 has a bunch of double and triple hearsay.
- 9 And even statements made by -- that
- 10 report to be representations made by the Department
- 11 of Transportation ISP. What the report reflects is
- 12 that her office -- not saying who, contacted the
- 13 Department of Transportation, not saying who,
- 14 contacted ISP, not saying who and then they made
- 15 statements. And that's in the -- that's in the
- 16 report. And if Agent Mugleston were here, I could
- 17 ask him about who are these people referred --
- 18 provided he even knows because he wasn't the person
- 19 who wrote that report.
- 20 The report also contains -- contains
- analytical reports prepared by witnesses first
- 22 disclosed by the EPA who they've chosen not to call

114

- 1 here. And you know, again that would of course also
- 2 constitute some level of -- some level of hearsay.
- 3 And so not to belabor the point, we make the
- 4 objection on the basis that we've previously made it
- 5 for the reasons that I've stated here.
- 6 JUDGE COUGHLIN: All right. Thank you,
- 7 Mr. McKay. Understood. And I mean based on my
- $\,\,$ 8 $\,$ prior ruling, I'll admit it.
- 9 (Whereupon, the above-referred to
- 10 document was received into evidence as Complainant
- 11 Exhibit 7.)
- 12 JUDGE COUGHLIN: But again, it's
- 13 certainly appropriate to argue weight with these
- 14 types of issues and whether I should afford
- 15 something no weight because of that. So I leave
- 16 that to the parties. But I will admit CX07 over the
- 17 objections noted.
- MS. JACKSON: Thank you, Your Honor. Mr.
- 19 Callaghan, if we could -- so we're going to skip
- 20 over CX08. That's been stipulated to. And go to
- 21 CX09. Do you have that up in front of you, Mr.
- 22 Callaghan?

- 1 THE WITNESS: It's coming up for me on
- 2 the shared folder.
- 3 BY MS. JACKSON:
- 4 Q Let us know when you're ready.
 - A Yes. I have CX09 in front of me.
- 6 Q And do you recognize this IAR?
- 7 A I do recognize this IAR.
- 8 (Whereupon, the above-referred to
- 9 document was marked as Complainant Exhibit 9 for
- 10 identification.)

- 11 BY MS. JACKSON:
- 12 Q How do you recognize it?
- 13 A I recognize it again by the case number,
- 14 it's specific for Prime. And then the case title
- 15 being Prime Inc. Furthermore, if you give me just
- 16 a moment -- And recognize it -- as the subject being
- 17 the HAZMAT management and invoice for the disposal
- 18 of U.S. Ecology.
- 19 Q Okay. And did you review this
- 20 IAR in preparation of your affidavit?
- 21 A Yes.
- 22 Q And is this is a true -- Actually, sorry.

119

116

- 1 Ms. Tribett, could you just scroll to the bottom?
- 2 I want to make sure you look at the whole -- Okay,
- 3 you can go back up. Do you recognize this as a true
- 4 and accurate copy of CX09?
 - A Yes.

5

- 6 MS. JACKSON: Your Honor, Complainant
- 7 requests that the Tribunal admits CX09 into
- 8 evidence.
- 9 JUDGE COUGHLIN: Any objection from New
- 10 Prime or questions?
- 11 MR. MCKAY: Just recognizing the Court
- 12 has granted us a standing objection. I objection on
- 13 the bases previously stated.
- 14 JUDGE COUGHLIN: All right, thank you.
- 15 MS. JACKSON: If I could, Your Honor, can
- 16 I do a quick standing kind of response to the
- 17 objection?

1

4

7

9

- 18 JUDGE COUGHLIN: Yes.
- 19 MS. JACKSON: Okay, thank you. First of
- all, you know, Complainants would argue that live
- testimony in some ways is unnecessary here. These

JUDGE COUGHLIN: All right. All right.

MR. MCKAY: Well I think that the

what he said. It's what he said previously in this

8 hearing. So I made my objection and understand the

5 witness's testimony on these exhibits speaks for

6 itself. So it's not Counsel's representations of

22 are self-authenticating exhibits with Mr.

2 A standing response, thank you. All right.

3 Anything else from you New Prime?

- Callaghan's testimony. We've raised this issue in
- our previous motion, which we said that Your Honor
- wanted to wait and rule at the hearing. But I just
- want to make sure that it's clear for the record,
- all of these records are exact copies -- business
- 6 records. They satisfy Federal Rule of Evidence
- 8036. The Agency records are accompanied by Mr.
- Callaghan's affidavit to satisfy as a certification
- 9 under 90211.
- 10 He's an employee of the Agency. He's
- 11 testified to the Agency's regular practice. He
- 12 signed a sworn affidavit to that effect. And the
- record -- He also testified that the records were
- 14 created at or near the time of the criminal
- investigation. And the Agency maintains these
- 16 records in its ordinary course of business. So
- 17 while I completely agree with Your Honor's ruling,
- 18 I just wanted to make sure and put that on the
- record. Obviously the weight of the evidence is in
- your hands. But I wanted to just make one response.
- And I'm happy to just kind of -- that be it for
- 22 today.

118

- 1 Q Do you recognize this exhibit?
 - 2
 - 3 not one that was in my affidavit.
 - 4 Q My apologies. Okay. Please take that --
 - A I mean I recognize -- I recognize part of
 - it because part of the information in this record is

 - recognize that from it being present in other
 - records that I reviewed. But I did not review this
 - 10

11

- 10 JUDGE COUGHLIN: All right. All right.
- 11 Thank you, both. I appreciate that. I think the
- 12 record's clear. And I will admit CX09 over

Court's ruling. Thank you.

- 13
- 14 (Whereupon, the above-referred to
- 15 document was received into evidence as Complainant
- 16 Exhibit 9.)
- 17 BY MS. JACKSON:
- 18 Q Mr. Callaghan, we're going to move on to
- 19 CX11. Actually sorry, we're going to skip that.
- 20 Let's move on to CX12. Do you have it up, Mr.
- 21 Callaghan?
- 22 A Ido, yeah. Yes, Ido.

- I do not recognize this exhibit. This is
- 5
- duplicative of the last page. I can say that I

- prior to testimony.
 - Q Okay. Mr. Callaghan, I apologize. That
- 12 was my mistake. We can move on. Please pull up
- 13 CX14. Okay. Mr. Callaghan, do you recognize this
- 14 exhibit, CX14?
- 15 A Yes, I do.
- 16 Q How do you recognize it?
- 17 A Again, by the case number specific to
- 18 Prime, by the title. And I'm very familiar with the
- 19 subject of this report, which is NEIC report. So
- yes, I am familiar with this and the attached
- 21 report.
- 22 (Whereupon, the above-referred to

120 121 1 document was marked as Complainant Exhibit 14 for 1 Mr. Callaghan, can you see this exhibit? 2 identification.) 2 THE WITNESS: Yes, I'm pulling it up. I 3 MS. JACKSON: Ms. Tribett, if you could had 15 open. Let me pull up 16. Yes, I can see 4 scroll through the document. Okay, we've reached 4 this -- CX16. 5 the bottom. We're going to go back up to the top. BY MS. JACKSON: б Mr. Callaghan, is this a true and accurate Q Mr. Callaghan, do you recognize this 7 copy of the document? 7 exhibit? 8 8 THE WITNESS: Yes. A Yes, I do. 9 9 MS. JACKSON: Your Honor, Complainant Q And how do you recognize it? 10 requests that the Tribunal admit CX14 into evidence. 10 A Again, I recognize it by the case number 11 JUDGE COUGHLIN: Any objection from New 11 here and the title. And then --12 12 Prime? Q Go ahead. 13 13 A Just further reading some synopsis MR. MCKAY: Your Honor, same objection I 14 14 made concerning this report on Complainant's Exhibit information here. Okay. 15 15 Q Did you review this IAR exhibit CX16 in 16 JUDGE COUGHLIN: All right, thank you. 16 preparation for your affidavit? 17 A Yes, I did. 17 I'll admit it over objection. CX14 is admitted. 18 18 Q And could you describe what this (Whereupon, the above-referred to 19 19 document was received into evidence as Complainant investigative -- the subject of this investigative 20 20 activity report please? Exhibit 14.) 21 21 A Yes. So Darren Mugleston interviewed MS. JACKSON: Okay. Ms. Tribett, if you 22 could publish CX16. Mark Lowe who worked for PPG. 122 123 1 1 (Whereupon, the above-referred to BY MS. JACKSON: 2 2 document was marked as Complainant Exhibit 16 for Q Okay. Do you recognize it? 3 3 identification.) A Yes, I do. 4 4 BY MS. JACKSON: Q And how do you recognize it? 5 Q Okay. And is this a true and accurate 5 A Again, because it's specific to the 6 Prime, Inc. case based on its number, based on the copy of that investigative activity report? 7 title. I recognize this as our IARs. I also A Yes. 8 MS. JACKSON: Your Honor, Complainant recognize this because I was present at this 9 requests that the Tribunal admit CX16 into evidence. 9 interview. JUDGE COUGHLIN: Any objection from New 10 10 (Whereupon, the above-referred to 11 Prime? document was marked as Complainant Exhibit 17 for 11 12 12 identification.) MR. MCKAY: Same objections I previously 13 stated, Your Honor. 13 BY MS. JACKSON: 14 14 JUDGE COUGHLIN: Thank you, Mr. McKay. Q Thank you. And did you review again this 15 It will be admitted over objection. 15 IAR for your affidavit? 16 16 (Whereupon, the above-referred to A Yes, I did. 17 17 document was received into evidence as Complainant MS. JACKSON: Ms. Tribett, if you could 18 Exhibit 16.) 18 scroll all the way through it. Thank you. 19 19 MS. JACKSON: Ms. Tribett, if you could Mr. Callaghan, is this a true and 20 accurate copy of CX17? publish CX17. 21 21 Mr. Callaghan, can you see CX17? THE WITNESS: Yes. 22 22 THE WITNESS: Yes, I do. MS. JACKSON: Your Honor, Complainant

125 124 requests the Tribunal admit CX17 into evidence. 1 A Yes, I do. 2 2 JUDGE COUGHLIN: Any objection by New Q And how do you recognize it? 3 3 Prime? A I recognize it based on the IAR, 4 MR. MCKAY: Same objection, Your Honor. 4 specifically the case number, the case title, and 5 Recognizing of course that the witness was present then the subject of the report. during the interview, but the report does contain Q Can you read that subject of the report 7 layers of hearsay of the interviewee. The report 7 for the record please? says or reports to say what other people said to A This is the -- this is an investigative 9 him. I understand the Court's prior ruling. I'll activity report summarizing specifically interview 10 note that objection. 10 documents from Derek Janousek. 11 11 JUDGE COUGHLIN: All right. Thank you, (Whereupon, the above-referred to 12 Mr. McKay. CX17 will be admitted over objection. 12 document was marked as Complainant Exhibit 18 for 13 (Whereupon, the above-referred to 13 identification.) 14 14 document was received into evidence as Complainant BY MS. JACKSON: 15 15 Exhibit 17.) Q Thank you. And did you review this IAR 16 MS. JACKSON: Ms. Tribett, if you could 16 in preparation of your affidavit? 17 17 A Yes, I did. publish CX18 please. 18 18 Mr. Callaghan, can you see CX18 on your MS. JACKSON: Ms. Tribett, if you could 19 screen? 19 scroll through so Mr. Callaghan can see the whole 20 20 THE WITNESS: Yes, I can. document. 21 21 BY MS. JACKSON: Mr. Callaghan, is this a true and 22 22 accurate copy of CX18? Q Do you recognize it? 126 127 1 THE WITNESS: Yes. 1 an incident report from Boise Fire Department where 2 MS. JACKSON: Your Honor, Complainant they provided records to Special agent Darren 3 requests that the Tribunal admit CX18 into evidence. 3 Mugleston. 4 4 JUDGE COUGHLIN: Any objection, Mr. (Whereupon, the above-referred to 5 McKay? document was marked as Complainant Exhibit 19 for 6 6 MR. MCKAY: Same objection. identification.) 7 7 JUDGE COUGHLIN: All right, thank you. BY MS. JACKSON: 8 8 It will be admitted over objection. Q And did you review this exhibit in 9 (Whereupon, the above-referred to 9 preparation of your affidavit? 10 10 A Yes, I did. document was received into evidence as Complainant 11 11 Exhibit 18.) Q Is this a true and accurate 12 12 representation of a copy of that investigative MS. JACKSON: One second, Your Honor. 13 Ms. Tribett, if you could publish CX19. 13 activity report at CX19? 14 14 Mr. Callaghan, can you see CX19? A Yes, it is. 15 THE WITNESS: Yes, I can. 15 MS. JACKSON: Your Honor, Complainant 16 16 BY MS. JACKSON: requests --17 17 Q Do you recognize it? THE WITNESS: Yes. 18 18 MS. JACKSON: Oh, I'm sorry. Did you A Yes, I do. 19 19 Q And how do you recognize it? want to add something, Mr. Callaghan? 20 20 A The case number associated with the THE WITNESS: No. Just confirming with 21 Prime, Inc. investigation. The case title is Prime, 21 a "yes" that this is true and accurate. 22 22 Inc. And the subject of the report is documenting MS. JACKSON: Your Honor, Complainant

	128		129
1	requests that the Tribunal admit CX19 into evidence.	1	MS. JACKSON: Ms. Tribett, if you could
2	MR. MCKAY: No objection.	2	just scroll through the document. Thank you.
3	JUDGE COUGHLIN: All right. CX19 is	3	Mr. Callaghan, did you review this IAR in
4	admitted.	4	preparation of your affidavit?
5	(Whereupon, the above-referred to	5	THE WITNESS: Yes.
6	document was received into evidence as Complainant	6	BY MS. JACKSON:
7	Exhibit 19.)	7	Q And is it a true and accurate copy?
8	MS. JACKSON: Okay. Ms. Tribett, if you	8	A Yes, it is.
9	could go to CX20.	9	MS. JACKSON: Your Honor, Complainants
10	Mr. Callaghan, can you see that document?	10	request that the Tribunal admit CX20 into evidence.
11	THE WITNESS: Yes.	11	JUDGE COUGHLIN: Any objections?
12	BY MS. JACKSON:	12	MR. MCKAY: Same objections previously
13	Q Do you recognize CX20?	13	stated.
14	A I do.	14	JUDGE COUGHLIN: All right. I'll admit
15	Q How do you recognize it?	15	it over objection.
16	A I recognize it based on the case number	16	(Whereupon, the above-referred to
17	and the case title. And the subject of the report,	17	document was received into evidence as Complainant
18	"The Interview of Captain Grainger with the RRT	18	Exhibit 20.)
19	Regional Response Team 4."	19	MS. JACKSON: Ms. Tribett, if you could
20	(Whereupon, the above-referred to	20	pull up CX22.
21	document was marked as Complainant Exhibit 20 for	21	Mr. Callaghan, can you see that exhibit?
22	identification.)	22	THE WITNESS: Yes, I can.
_	130		131
1	BY MS. JACKSON:	1	Q Okay, thank you. Do you recognize CX22?
2	BY MS. JACKSON: Q Do you recognize this?	2	Q Okay, thank you. Do you recognize CX22? A Yes, I do recognize CX22. I recognize it
2	BY MS. JACKSON: Q Do you recognize this? A Yes, I can.	3	Q Okay, thank you. Do you recognize CX22? A Yes, I do recognize CX22. I recognize it based on the case number specific to Prime, the case
2 3 4	BY MS. JACKSON: Q Do you recognize this? A Yes, I can. Q How do you recognize it?	2 3 4	Q Okay, thank you. Do you recognize CX22? A Yes, I do recognize CX22. I recognize it based on the case number specific to Prime, the case title. And I am familiar with the recorded
2 3 4 5	BY MS. JACKSON: Q Do you recognize this? A Yes, I can. Q How do you recognize it? A The case number is specific to Prime.	2 3 4 5	Q Okay, thank you. Do you recognize CX22? A Yes, I do recognize CX22. I recognize it based on the case number specific to Prime, the case title. And I am familiar with the recorded interview here of Sandy Derrick, the D&W truck
2 3 4 5 6	BY MS. JACKSON: Q Do you recognize this? A Yes, I can. Q How do you recognize it? A The case number is specific to Prime. The title is Prime, Inc. And the subject of the	2 3 4	Q Okay, thank you. Do you recognize CX22? A Yes, I do recognize CX22. I recognize it based on the case number specific to Prime, the case title. And I am familiar with the recorded interview here of Sandy Derrick, the D&W truck driver.
2 3 4 5 6 7	BY MS. JACKSON: Q Do you recognize this? A Yes, I can. Q How do you recognize it? A The case number is specific to Prime. The title is Prime, Inc. And the subject of the report is documenting for Darren Mugleston that he	2 3 4 5 6 7	Q Okay, thank you. Do you recognize CX22? A Yes, I do recognize CX22. I recognize it based on the case number specific to Prime, the case title. And I am familiar with the recorded interview here of Sandy Derrick, the D&W truck driver. (Whereupon, the above-referred to
2 3 4 5 6 7 8	BY MS. JACKSON: Q Do you recognize this? A Yes, I can. Q How do you recognize it? A The case number is specific to Prime. The title is Prime, Inc. And the subject of the report is documenting for Darren Mugleston that he received some internal emails from PPG.	2 3 4 5 6 7 8	Q Okay, thank you. Do you recognize CX22? A Yes, I do recognize CX22. I recognize it based on the case number specific to Prime, the case title. And I am familiar with the recorded interview here of Sandy Derrick, the D&W truck driver. (Whereupon, the above-referred to document was marked as Complainant Exhibit 22 for
2 3 4 5 6 7 8	BY MS. JACKSON: Q Do you recognize this? A Yes, I can. Q How do you recognize it? A The case number is specific to Prime. The title is Prime, Inc. And the subject of the report is documenting for Darren Mugleston that he received some internal emails from PPG. Q And did you review this investigative	2 3 4 5 6 7 8 9	Q Okay, thank you. Do you recognize CX22? A Yes, I do recognize CX22. I recognize it based on the case number specific to Prime, the case title. And I am familiar with the recorded interview here of Sandy Derrick, the D&W truck driver. (Whereupon, the above-referred to document was marked as Complainant Exhibit 22 for identification.)
2 3 4 5 6 7 8 9	BY MS. JACKSON: Q Do you recognize this? A Yes, I can. Q How do you recognize it? A The case number is specific to Prime. The title is Prime, Inc. And the subject of the report is documenting for Darren Mugleston that he received some internal emails from PPG. Q And did you review this investigative activity report in preparation of your affidavit?	2 3 4 5 6 7 8 9	Q Okay, thank you. Do you recognize CX22? A Yes, I do recognize CX22. I recognize it based on the case number specific to Prime, the case title. And I am familiar with the recorded interview here of Sandy Derrick, the D&W truck driver. (Whereupon, the above-referred to document was marked as Complainant Exhibit 22 for identification.) BY MS. JACKSON:
2 3 4 5 6 7 8 9 10	BY MS. JACKSON: Q Do you recognize this? A Yes, I can. Q How do you recognize it? A The case number is specific to Prime. The title is Prime, Inc. And the subject of the report is documenting for Darren Mugleston that he received some internal emails from PPG. Q And did you review this investigative activity report in preparation of your affidavit? Ms. Tribett, if you could scroll through	2 3 4 5 6 7 8 9 10	Q Okay, thank you. Do you recognize CX22? A Yes, I do recognize CX22. I recognize it based on the case number specific to Prime, the case title. And I am familiar with the recorded interview here of Sandy Derrick, the D&W truck driver. (Whereupon, the above-referred to document was marked as Complainant Exhibit 22 for identification.) BY MS. JACKSON: Q Did you review this IAR in preparation of
2 3 4 5 6 7 8 9 10 11	BY MS. JACKSON: Q Do you recognize this? A Yes, I can. Q How do you recognize it? A The case number is specific to Prime. The title is Prime, Inc. And the subject of the report is documenting for Darren Mugleston that he received some internal emails from PPG. Q And did you review this investigative activity report in preparation of your affidavit? Ms. Tribett, if you could scroll through Actually I don't know if that answer was audible.	2 3 4 5 6 7 8 9 10 11	Q Okay, thank you. Do you recognize CX22? A Yes, I do recognize CX22. I recognize it based on the case number specific to Prime, the case title. And I am familiar with the recorded interview here of Sandy Derrick, the D&W truck driver. (Whereupon, the above-referred to document was marked as Complainant Exhibit 22 for identification.) BY MS. JACKSON: Q Did you review this IAR in preparation of your affidavit?
2 3 4 5 6 7 8 9 10 11 12	BY MS. JACKSON: Q Do you recognize this? A Yes, I can. Q How do you recognize it? A The case number is specific to Prime. The title is Prime, Inc. And the subject of the report is documenting for Darren Mugleston that he received some internal emails from PPG. Q And did you review this investigative activity report in preparation of your affidavit? Ms. Tribett, if you could scroll through Actually I don't know if that answer was audible. I'm going to repeat the question.	2 3 4 5 6 7 8 9 10 11 12 13	Q Okay, thank you. Do you recognize CX22? A Yes, I do recognize CX22. I recognize it based on the case number specific to Prime, the case title. And I am familiar with the recorded interview here of Sandy Derrick, the D&W truck driver. (Whereupon, the above-referred to document was marked as Complainant Exhibit 22 for identification.) BY MS. JACKSON: Q Did you review this IAR in preparation of your affidavit? A Yes, I did.
2 3 4 5 6 7 8 9 10 11 12 13	BY MS. JACKSON: Q Do you recognize this? A Yes, I can. Q How do you recognize it? A The case number is specific to Prime. The title is Prime, Inc. And the subject of the report is documenting for Darren Mugleston that he received some internal emails from PPG. Q And did you review this investigative activity report in preparation of your affidavit? Ms. Tribett, if you could scroll through Actually I don't know if that answer was audible. I'm going to repeat the question. MS. TRIBETT: You said 22, but he's	2 3 4 5 6 7 8 9 10 11 12 13 14	Q Okay, thank you. Do you recognize CX22? A Yes, I do recognize CX22. I recognize it based on the case number specific to Prime, the case title. And I am familiar with the recorded interview here of Sandy Derrick, the D&W truck driver. (Whereupon, the above-referred to document was marked as Complainant Exhibit 22 for identification.) BY MS. JACKSON: Q Did you review this IAR in preparation of your affidavit? A Yes, I did. MS. JACKSON: Ms. Tribett, if you could
2 3 4 5 6 7 8 9 10 11 12 13 14 15	BY MS. JACKSON: Q Do you recognize this? A Yes, I can. Q How do you recognize it? A The case number is specific to Prime. The title is Prime, Inc. And the subject of the report is documenting for Darren Mugleston that he received some internal emails from PPG. Q And did you review this investigative activity report in preparation of your affidavit? Ms. Tribett, if you could scroll through Actually I don't know if that answer was audible. I'm going to repeat the question. MS. TRIBETT: You said 22, but he's looking at 21.	2 3 4 5 6 7 8 9 10 11 12 13 14 15	Q Okay, thank you. Do you recognize CX22? A Yes, I do recognize CX22. I recognize it based on the case number specific to Prime, the case title. And I am familiar with the recorded interview here of Sandy Derrick, the D&W truck driver. (Whereupon, the above-referred to document was marked as Complainant Exhibit 22 for identification.) BY MS. JACKSON: Q Did you review this IAR in preparation of your affidavit? A Yes, I did. MS. JACKSON: Ms. Tribett, if you could scroll to the bottom.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	BY MS. JACKSON: Q Do you recognize this? A Yes, I can. Q How do you recognize it? A The case number is specific to Prime. The title is Prime, Inc. And the subject of the report is documenting for Darren Mugleston that he received some internal emails from PPG. Q And did you review this investigative activity report in preparation of your affidavit? Ms. Tribett, if you could scroll through Actually I don't know if that answer was audible. I'm going to repeat the question. MS. TRIBETT: You said 22, but he's looking at 21. BY MS. JACKSON:	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	Q Okay, thank you. Do you recognize CX22? A Yes, I do recognize CX22. I recognize it based on the case number specific to Prime, the case title. And I am familiar with the recorded interview here of Sandy Derrick, the D&W truck driver. (Whereupon, the above-referred to document was marked as Complainant Exhibit 22 for identification.) BY MS. JACKSON: Q Did you review this IAR in preparation of your affidavit? A Yes, I did. MS. JACKSON: Ms. Tribett, if you could scroll to the bottom. Is this IAR summarizing the recorded
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	BY MS. JACKSON: Q Do you recognize this? A Yes, I can. Q How do you recognize it? A The case number is specific to Prime. The title is Prime, Inc. And the subject of the report is documenting for Darren Mugleston that he received some internal emails from PPG. Q And did you review this investigative activity report in preparation of your affidavit? Ms. Tribett, if you could scroll through Actually I don't know if that answer was audible. I'm going to repeat the question. MS. TRIBETT: You said 22, but he's looking at 21. BY MS. JACKSON: Q Mr. Callaghan, let's start over with	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	Q Okay, thank you. Do you recognize CX22? A Yes, I do recognize CX22. I recognize it based on the case number specific to Prime, the case title. And I am familiar with the recorded interview here of Sandy Derrick, the D&W truck driver. (Whereupon, the above-referred to document was marked as Complainant Exhibit 22 for identification.) BY MS. JACKSON: Q Did you review this IAR in preparation of your affidavit? A Yes, I did. MS. JACKSON: Ms. Tribett, if you could scroll to the bottom. Is this IAR summarizing the recorded interview of Sandy Derrick, a true and accurate
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	BY MS. JACKSON: Q Do you recognize this? A Yes, I can. Q How do you recognize it? A The case number is specific to Prime. The title is Prime, Inc. And the subject of the report is documenting for Darren Mugleston that he received some internal emails from PPG. Q And did you review this investigative activity report in preparation of your affidavit? Ms. Tribett, if you could scroll through Actually I don't know if that answer was audible. I'm going to repeat the question. MS. TRIBETT: You said 22, but he's looking at 21. BY MS. JACKSON: Q Mr. Callaghan, let's start over with this. We skipped CX21. We are in CX22. Let me	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	Q Okay, thank you. Do you recognize CX22? A Yes, I do recognize CX22. I recognize it based on the case number specific to Prime, the case title. And I am familiar with the recorded interview here of Sandy Derrick, the D&W truck driver. (Whereupon, the above-referred to document was marked as Complainant Exhibit 22 for identification.) BY MS. JACKSON: Q Did you review this IAR in preparation of your affidavit? A Yes, I did. MS. JACKSON: Ms. Tribett, if you could scroll to the bottom. Is this IAR summarizing the recorded interview of Sandy Derrick, a true and accurate copy?
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	BY MS. JACKSON: Q Do you recognize this? A Yes, I can. Q How do you recognize it? A The case number is specific to Prime. The title is Prime, Inc. And the subject of the report is documenting for Darren Mugleston that he received some internal emails from PPG. Q And did you review this investigative activity report in preparation of your affidavit? Ms. Tribett, if you could scroll through Actually I don't know if that answer was audible. I'm going to repeat the question. MS. TRIBETT: You said 22, but he's looking at 21. BY MS. JACKSON: Q Mr. Callaghan, let's start over with this. We skipped CX21. We are in CX22. Let me know when you have CX22 in front of you on your	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	Q Okay, thank you. Do you recognize CX22? A Yes, I do recognize CX22. I recognize it based on the case number specific to Prime, the case title. And I am familiar with the recorded interview here of Sandy Derrick, the D&W truck driver. (Whereupon, the above-referred to document was marked as Complainant Exhibit 22 for identification.) BY MS. JACKSON: Q Did you review this IAR in preparation of your affidavit? A Yes, I did. MS. JACKSON: Ms. Tribett, if you could scroll to the bottom. Is this IAR summarizing the recorded interview of Sandy Derrick, a true and accurate copy? THE WITNESS: Yes.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	BY MS. JACKSON: Q Do you recognize this? A Yes, I can. Q How do you recognize it? A The case number is specific to Prime. The title is Prime, Inc. And the subject of the report is documenting for Darren Mugleston that he received some internal emails from PPG. Q And did you review this investigative activity report in preparation of your affidavit? Ms. Tribett, if you could scroll through Actually I don't know if that answer was audible. I'm going to repeat the question. MS. TRIBETT: You said 22, but he's looking at 21. BY MS. JACKSON: Q Mr. Callaghan, let's start over with this. We skipped CX21. We are in CX22. Let me know when you have CX22 in front of you on your screen.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	Q Okay, thank you. Do you recognize CX22? A Yes, I do recognize CX22. I recognize it based on the case number specific to Prime, the case title. And I am familiar with the recorded interview here of Sandy Derrick, the D&W truck driver. (Whereupon, the above-referred to document was marked as Complainant Exhibit 22 for identification.) BY MS. JACKSON: Q Did you review this IAR in preparation of your affidavit? A Yes, I did. MS. JACKSON: Ms. Tribett, if you could scroll to the bottom. Is this IAR summarizing the recorded interview of Sandy Derrick, a true and accurate copy? THE WITNESS: Yes. MS. JACKSON: Your Honor, Complainants
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	BY MS. JACKSON: Q Do you recognize this? A Yes, I can. Q How do you recognize it? A The case number is specific to Prime. The title is Prime, Inc. And the subject of the report is documenting for Darren Mugleston that he received some internal emails from PPG. Q And did you review this investigative activity report in preparation of your affidavit? Ms. Tribett, if you could scroll through Actually I don't know if that answer was audible. I'm going to repeat the question. MS. TRIBETT: You said 22, but he's looking at 21. BY MS. JACKSON: Q Mr. Callaghan, let's start over with this. We skipped CX21. We are in CX22. Let me know when you have CX22 in front of you on your	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	Q Okay, thank you. Do you recognize CX22? A Yes, I do recognize CX22. I recognize it based on the case number specific to Prime, the case title. And I am familiar with the recorded interview here of Sandy Derrick, the D&W truck driver. (Whereupon, the above-referred to document was marked as Complainant Exhibit 22 for identification.) BY MS. JACKSON: Q Did you review this IAR in preparation of your affidavit? A Yes, I did. MS. JACKSON: Ms. Tribett, if you could scroll to the bottom. Is this IAR summarizing the recorded interview of Sandy Derrick, a true and accurate copy? THE WITNESS: Yes.

132

- 1 Callaghan, when you said you were "familiar" with 2 CX22, are you familiar with it in a way other than reviewing it per your affidavit --
- 4 THE WITNESS: Let me open it up, Your 5 Honor.
- 6 JUDGE COUGHLIN: -- or not? I just want 7 to kind of clarify your statement that you're
- 8 familiar with it.
- 9 THE WITNESS: I'm familiar. I've also 10 listened to this audio recorded interview at some
- point -- At some point in the case, I did review --
- 12 listen to this interview of Sandy Derrick.
- 13 JUDGE COUGHLIN: Okay, thank you. Mr.
- 14 McKay from New Prime, any objection or questions?
- 15 MR. MCKAY: Can I ask a clarifying
- 16 question? So Special Agent Callaghan, during your
- 17 earlier testimony, you said that the only recordings
- 18 that you had listened to or interviews were of
- 19 Steven Drake, the Prime truck driver. And you
- 20 initially said Idaho State Police Officer -- Police
- 21 Trooper, Colin Bonner. And then you clarified of
- 22 course that you didn't listen to Colin Bonner

- because no recording exists. Do you now have a new
- memory that you also listened to the audio recording
- of Sandy Derrick?
- 4 THE WITNESS: I can't say that I listened
- to this entire thing. It was more of a -- when
- Darren Mugleston had this, I remember him pointing
- out some comment. My recollection is this. Darren
- let me listen to portions of this thing. I can't
- say with certainty that prior to my testimony today,
- I listened to this audio recording in its entirety.
- But I do remember this and I remember discussing
- 12 this with Darren.
- 13 MR. MCKAY: Is it fair to say you think
- you may have listened to portions of the audio
- 15 recording?
- 16 THE WITNESS: That's correct.
- 17 MR. MCKAY: Your Honor, same objection as
- 18 previously.
- 19 MS. JACKSON: And just a quick response.
- 20 JUDGE COUGHLIN: Sure.
- 21 MS. JACKSON: The United States is not
- 22 intending to enter the recordings into evidence.

134

- 1 A I do. I recognize it as the recorded
- interview of Tim Corder. I recognize it as being
 - associated with Prime because of the case number
 - here on the IAR and the case title.
 - (Whereupon, the above-referred to
 - document was marked as Complainant Exhibit 23 for
 - 7 identification.)
 - 8 BY MS. JACKSON:
 - 9 Q And did you review this IAR in
 - 10 preparation of your affidavit?
 - 11 A I did.
 - 12 MS. JACKSON: Ms. Tribett, if you could
 - 13 just scroll through the document.
 - 14 Mr. Callaghan, is this a true and
 - 15 accurate copy of the IAR identified as CX23?
 - 16 THE WITNESS: Yes.
 - 17 MS. JACKSON: Your Honor, Complainant
 - 18 requests the Tribunal admit CX23 into evidence.
 - 19 JUDGE COUGHLIN: Any objection?
 - 20 MR. MCKAY: Same objection.
 - 21 JUDGE COUGHLIN: All right. Admitted
 - 22 over objection.

- 1 Yeah, that's all I'm going to say on that. And
- 2 again, Mr. Callaghan is a foundational witness to
- 3 talk about admissibility of these particular
- 4 documents, but not about the CDs. He is an
- 5 investigator. He was co-lead on this case. So I
- 6 believe he could have listened to all of them at
- 7 some point. But we're not planning on discussing
- 8 the recordings or presenting them as evidence in
- 9 this case.
- 10 MR. MCKAY: Agreed, Counsel. He could
- 11 have listened to them.
- 12 MS. JACKSON: Okay.
- 13 JUDGE COUGHLIN: All right, thank you.
- 14 I will admit CX22 over objection.
- 15 (Whereupon, the above-referred to
- 16 document was received into evidence as Complainant
- 17 Exhibit 22.)
- 18 BY MS. JACKSON:
- 19 Q All right. Let's move to CX23 please.
- 20 Mr. Callaghan, can you see CX23?
- 21 A I can.
- 22 Q Do you recognize it?

136 137 1 (Whereupon, the above-referred to 1 MS. JACKSON: Ms. Tribett, if you could 2 2 document was received into evidence as Complainant scroll through to the bottom please. 3 3 Mr. Callaghan, is this a true and Exhibit 23.) 4 4 MS. JACKSON: Ms. Tribett, if you could accurate copy of the IAR identified as CX24? 5 5 THE WITNESS: Yes. go to CX24. 6 6 Do you have that up, Mr. Callaghan? MS. JACKSON: Your Honor, Complainant 7 THE WITNESS: Yes, I do. requests that the Tribunal admit CX24 into evidence. 8 8 BY MS. JACKSON: JUDGE COUGHLIN: Any objection from New 9 9 Q Do you recognize CX24? Prime? 10 10 A Yes, I do. MR. MCKAY: Same objection. 11 11 Q And how do you recognize it? JUDGE COUGHLIN: All right. I'll admit 12 12 A I recognize this as the case number CX24 over objection. 13 associated with Prime, the title of Prime, Inc. And 13 (Whereupon, the above-referred to 14 the subject of the report, recognizing invoices from 14 document was received into evidence as Complainant 15 15 Exhibit 24.) 16 (Whereupon, the above-referred to 16 BY MS. JACKSON: 17 17 document was marked as Complainant Exhibit 24 for Q Mr. Callaghan, we're moving to CX25 next. 18 18 identification.) I have CX25 open. 19 19 BY MS. JACKSON: Do you recognize CX25? 20 20 Q And did you review this IAR in Yes, I do. 21 21 preparation of your affidavit? How do you recognize it? 22 22 A Yes. The case number is the same. 138 139 1 1 Q Okay. Keep going. THE WITNESS: Yes, I did. 2 2 BY MS. JACKSON: This title is associated with Prime, Inc. 3 And the subject of the interview -- stand by. Yes, 3 Q Thank you. Is this exhibit, CX25 a true 4 and accurate copy? 4 I do recognize the subject of this report. The 5 interview and documents of Richard (phonetic) A Yes, it is. 6 Simmons from H2O. 6 MS. JACKSON: Your Honor, Complainant 7 (Whereupon, the above-referred to requests that the Tribunal admits CX25 into 8 document was marked as Complainant Exhibit 25 for 8 evidence. 9 9 identification.) JUDGE COUGHLIN: Any objection, Mr. 10 10 McKay? BY MS. JACKSON: 11 11 Q And Mr. Callaghan, were you present for MR. MCKAY: Same objection. 12 this interview? 12 JUDGE COUGHLIN: All right. I'll admit 13 13 CX25 over objection. 14 14 Q And did you review this IAR in (Whereupon, the above-referred to 15 preparation of your affidavit? 15 document was received into evidence as Complainant 16 16 A Yes, I did. Exhibit 25.) 17 17 MS. JACKSON: Ms. Tribett, it's a little BY MS. JACKSON: 18 long, so can you -- can you scroll to the bottom 18 Q We can move to CX26 please. Mr. 19 19 Callaghan, do you see CX26? please? 20 20 Mr. Callaghan, did you receive those A Yes. 21 attachments to that exhibit as part of your --21 Q Do you recognize this exhibit? 22 22 A Yes, I recognize this exhibit. The case (Simultaneous speaking.)

140 141 1 number is for Prime. The case title is Prime, Inc. 1 McKay? 2 2 And the subject of the interview -- the subject of MR. MCKAY: Just the ones previously 3 the report I should say, the interview of Noel 3 noted, Your Honor. 4 4 Bailey, U.S. Ecology. JUDGE COUGHLIN: Okay, all right. I'll 5 (Whereupon, the above-referred to 5 admit it over objection. document was marked as Complainant Exhibit 26 for (Whereupon, the above-referred to 7 document was received into evidence as Complainant identification.) 8 8 BY MS. JACKSON: Exhibit 26.) 9 9 Q And were you present at this -- Sorry. MS. JACKSON: Thank you. 10 Go ahead, Marc -- Mr. Callaghan. 10 THE WITNESS: Do I have an obligation to 11 A I recognize that -- that I was present 11 tell the Court with respect to CX, I think it was 12 12 12 that I didn't receive that -during this interview of Noel Bailey. 13 13 MS. JACKSON: Thank you. Ms. Tribett, if MS. JACKSON: No, that was a mistake on 14 you could scroll to the bottom again. 14 my part, Marc. 15 15 THE WITNESS: What if those records that Mr. Callaghan, is this a true and 16 accurate copy of what's been marked at CX26, 16 were in 12 that I didn't see until you put them up 17 reflecting the interview of Noel Bailey? 17 were present in other records that I did review? 18 18 THE WITNESS: Yes. MS. JACKSON: I'll let you respond or 19 MS. JACKSON: Your Honor, Complainant 19 should 1? 20 requests that the Tribunal admits CX26 into JUDGE COUGHLIN: You haven't really 21 evidence. 21 offered 12, so --22 22 JUDGE COUGHLIN: Any objection, Mr. MS. JACKSON: Yeah. Marc, I didn't 142 143 1 really offer it. It was just a mistake on my part. 1 Thank you. Mr. Callaghan, did you review this IAR We're not using you to get that exhibit in. in preparation of your affidavit? 3 THE WITNESS: Okay. 3 4 4 Q And is it a true and accurate copy? MS. JACKSON: I believe we've cleared up 5 5 the record on that one. Thank you though. That was Yes. 6 6 26. Let's move to CX27. Marc, can you see CX27? MS. JACKSON: Your Honor, Complainant 7 7 requests that the Tribunal admit Exhibit CX27 into Sorry, Mr. Callaghan. 8 THE WITNESS: Yes, I can. 8 evidence. 9 BY MS. JACKSON: 9 JUDGE COUGHLIN: Any objection from New 10 10 Prime? Q Okay. 11 11 Yes, I can. MR. MCKAY: Same objection. 12 12 JUDGE COUGHLIN: Okay, all right. I'll Do you recognize CX27? 13 A Yes. The case number is associated with 13 admit CX27 over objection. 14 14 Prime. The case title indicates that it's Prime. (Whereupon, the above-referred to 15 Inc. And the subject of the report, which is 15 document was received into evidence as Complainant 16 4/27/16, receipt of B&W records, I recognize the 16 Exhibit 27.) 17 17 subject of the report. BY MS. JACKSON: 18 18 Q If we could move to CX28 please. Mr. (Whereupon, the above-referred to 19 document was marked as Complainant Exhibit 27 for 19 Callaghan, can you see CX28 on your screen? 20 20 identification.) A Yes, I can. 21 BY MS. JACKSON: 21 Q Do you recognize this exhibit? 22 22 Q If you could scroll through the exhibit. A Yes, I do. The case number is associated

145 144 1 with Prime. The case title is Prime, Inc. And the 1 Exhibit 28.) 2 BY MS. JACKSON: 2 subject of the report states "EPA hazards with 3 3 identification number inquiry by IDEQ". Q CX29 please. Mr. Callaghan, can you see 4 (Whereupon, the above-referred to 4 CX29 on your screen? 5 document was marked as Complainant Exhibit 28 for A Yes, I can. identification.) Q Do you recognize it? 7 BY MS. JACKSON: 7 A Yes, I do. 8 8 Q And did you review this IAR in Q And how do you recognize it? 9 9 preparation of your affidavit? A I recognize it based on the case number, 10 A Yes, I did. 10 the title Prime, Inc. And the subject of the report 11 Q Is this a true and accurate copy of CE28? stating "Interview of Brett Bauer and Steve Mares, 12 12 Brett's Towing. 13 13 MS. JACKSON: Your Honor, Complainant (Whereupon, the above-referred to 14 requests that the Tribunal admits CX28 into 14 document was marked as Complainant Exhibit 29 for 15 15 identification.) 16 JUDGE COUGHLIN: New Prime any 16 BY MS. JACKSON: 17 17 objections? Q And did you review this IAR in 18 MR. MCKAY: The same objections. 18 preparation of your affidavit? 19 JUDGE COUGHLIN: Okay. CX28 will be 19 A Yes, I did. 20 20 admitted over objection. MS. JACKSON: Ms. Tribett, if you'd just 21 (Whereupon, the above-referred to 21 scroll to the second page. 22 document was received into evidence as Complainant 22 Mr. Callaghan, is this a true and 146 147 1 1 accurate copy of this IAR, labeled CX29? Prime, Salt Lake City, Utah." 2 2 MR. MCKAY: Yes, it is. (Whereupon, the above-referred to 3 MS. JACKSON: Okay. Your Honor, document was marked as Complainant Exhibit 30 for Complainant requests that the Tribunal admits CX29 identification.) 5 5 into evidence. BY MS. JACKSON: 6 JUDGE COUGHLIN: And New Prime? 6 Q Did you review this investigative 7 MR. MCKAY: Same objection. activity report in preparation of your affidavit? 8 8 JUDGE COUGHLIN: All right. CX29 will be 9 9 admitted over objection. Q And is it a true and accurate copy? 10 10 (Whereupon, the above-referred to 11 11 document was received into evidence as Complainant MS. JACKSON: Your Honor, Complainant 12 12 Exhibit 29.) requests that the Tribunal admit CX30 into evidence. 13 BY MS. JACKSON: 13 JUDGE COUGHLIN: Okay. And New Prime? 14 14 Q CX30 please. Mr. Callaghan, can you see MR. MCKAY: Same objection, I think with 15 CX30 on your screen? 15 the added notion that it's redundant now with 16 A Yes, I can. 16 Complainant's Exhibit 10. 17 17 Do you recognize it? JUDGE COUGHLIN: Okay. 18 18 MR. MCKAY: -- the consent search on 19 Q And how do you recognize it? 19 August 24th. 20 20 A The case number is specific to Prime. JUDGE COUGHLIN: Okay. 21 The case title is Prime, Inc. And the subject of 2.1 MR. MCKAY: You see the same documents in 22 the report is "Consent search to sample drums at 22 there.

148 149 1 JUDGE COUGHLIN: Okay, all right. I'll 1 Q And did you review this exhibit in 2 2 preparation of your affidavit? admit that over objection. 3 3 A Yes, I did. (Whereupon, the above-referred to 4 4 document was received into evidence as Complainant MS. JACKSON: Ms. Tribett, if you could 5 scroll through this exhibit please. Thank you, Ms. Exhibit 30.) 6 MS. JACKSON: Ms. Tribett, if you could Tribett. 7 7 Mr. Callaghan, is this a true and pull up CX31 please. 8 Mr. Callaghan, do you have CX31 in front accurate copy of that transcript -- Sorry. Is this 9 9 of you? a true and accurate copy of the IAR reflecting that 10 THE WITNESS: Yes, I do. 10 transcript? 11 11 BY MS. JACKSON: THE WITNESS: Yes, it is. 12 12 Q Do you recognize it? MS. JACKSON: Your Honor, Complainant 13 A Yes, I do. 13 requests that the Tribunal admit CX31 into evidence. 14 14 Q And how do you recognize it? JUDGE COUGHLIN: Okay. Any objection 15 The case number is Prime. The case title 15 from New Prime? 16 is associated with Prime. And the subject of report 16 MR. MCKAY: Same objections, Your Honor. 17 JUDGE COUGHLIN: Okay. I will admit CX31 17 is "6/28/16, Transcript of recorded interview of Tim 18 18 Corder, CWE". over objection. 19 (Whereupon, the above-referred to 19 (Whereupon, the above-referred to 20 20 document was marked as Complainant Exhibit 31 for document was received into evidence as Complainant 21 identification.) 21 Exhibit 31.) 22 BY MS. JACKSON: 22 BY MS. JACKSON: 150 151 1 1 Q Well the good news is, Mr. Callaghan, we Mr. Callaghan, is this a true and get to jump ahead. The next several exhibits are 2 accurate copy of CX52? 3 3 stipulated to, so we are going to jump to -- all THE WITNESS: Yes, it is. 4 MS. JACKSON: Your Honor, Complainant 4 right, give me just one second please -- to CX52. requests that the Tribunal admit CX52 into evidence. Mr. Callaghan, do you see CX52 on your screen? 6 6 A Yes, I do. JUDGE COUGHLIN: Any objection from New 7 7 Prime? Q Do you recognize it? 8 8 A Yes, I do. MR. MCKAY: Same objection. 9 And how do you recognize it? 9 JUDGE COUGHLIN: Okay. CX52 is admitted 10 10 A The case number is associated with Prime. over objection. 11 11 The case title is Prime, Inc. And this is (Whereupon, the above-referred to 12 documenting the receipt of allegations from IBEQ and 12 document was received into evidence as Complainant 13 I was present at this meeting. 13 14 14 (Whereupon, the above-referred to MS. JACKSON: CX53 please, Ms. Tribett. Mr. Callaghan, do you have CX53 up on 15 document was marked as Complainant Exhibit 52 for 15 16 16 identification.) your screen? 17 17 BY MS. JACKSON: THE WITNESS: I do. 18 18 BY MS. JACKSON: Q Mr. Callaghan, did you review this IAR in 19 19 preparation of your affidavit as well? Q Do you recognize it? 20 20 A Yes, I did. A Yes, I do. The case number is associated 21 MS. JACKSON: Ms. Tribett, if you could 21 with Prime. The case title is Prime, Inc. And 22 scroll through the document to the bottom. 22 although there's a typo here, the subject of the

152 153 1 report is "interview and invoice receipt of Janousek 1 document was received into evidence as Complainant Exhibit 53.) with KHRFB. 3 3 BY MS. JACKSON: (Whereupon, the above-referred to 4 4 document was marked as Complainant Exhibit 53 for Q CX54 please. Mr. Callaghan, do you see 5 identification.) 5 CX54 on your screen? 6 BY MS. JACKSON: A Yes. I do. 7 7 Q Do you recognize it? Q And did you review this IAR in 8 8 preparation of your affidavit? Yes, I do. The case number is associated 9 9 A I did. with Prime. Case title is Prime, Inc. Subject of 10 MS. JACKSON: Ms. Tribett, if you could 10 the report is "Interview of IKD employees, Vaughn, 11 scroll to the bottom of the exhibit. Myers, and Bowden". And I was present during this 12 12 interview. Mr. Callaghan, is this a true and 13 13 accurate copy? (Whereupon, the above-referred to 14 THE WITNESS: Yes, it is. 14 document was marked as Complainant Exhibit 54 for 15 15 identification.) MS. JACKSON: Your Honor, Complainant 16 requests that the Tribunal admit CX53 into evidence. 16 BY MS. JACKSON: 17 17 JUDGE COUGHLIN: Okay. And objections Q And did you also review this IAR in 18 18 preparation of your affidavit? from New Prime? 19 19 MR. MCKAY: The same objections. A Yes, I did. 20 20 MS. JACKSON: Ms. Tribett, if you could JUDGE COUGHLIN: Okay. All right. CX53 21 is admitted over objection. 21 scroll to the bottom. 22 22 (Whereupon, the above-referred to Mr. Callaghan, is this a true and 155 154 1 accurate copy? 1 can't say with certainty that they were on that 2 THE WITNESS: Yes, it is. document that we just reviewed. 3 3 MS. JACKSON: Your Honor, Complaint MR. MCKAY: Thank you, Your Honor. And 4 requests the Tribunal admits CX54 into evidence. same objection. 5 5 JUDGE COUGHLIN: Okay. And objections JUDGE COUGHLIN: All right, okay. Thank 6 from New Prime? you. I'll admit CX54 over objection. 7 7 MR. MCKAY: May I just inquire briefly (Whereupon, the above-referred to 8 innate of objection -document was received into evidence as Complainant 9 JUDGE COUGHLIN: Sure. 9 Exhibit 54.) 10 MR. MCKAY: -- innate of further 10 BY MS. JACKSON: 11 11 objection? Mr. Callaghan, if the report -- you Q Can you pull up CX55 please. Mr. 12 Callaghan, do you see CX55 on your screen? 12 indicate you were present during the IAR. And I 13 think this and other IARs sometimes refer to follow-13 A Yes, I do. 14 14 up activity by Special Agent Mugleston where he Q Do you recognize it? 15 maybe follows up with the witness by telephone. And 15 A Yes. The case number is associated with would you agree that with respect to those notations 16 Prime. The case title is Prime, Inc. And the 17 17 in the IAR where it's Agent Mugleston describing subject of report is the recorded interview of 18 what he did, you were not present on those 18 Steven Drake, the Prime truck driver. 19 19 occasions. (Whereupon, above-referred to document 20 20 THE WITNESS: I would say that, that's, was marked as Complainant Exhibit 55 for 21 generally true, Mr. McKay. There were times that I 21 identification.) 22 22 may have been present during phone calls, but I (Simultaneous speaking.)

156 157 1 THE WITNESS: This is an instance where 1 BY MS. JACKSON: 2 I was present during a telephone contact to my 2 Q Let's go to CX56. Mr. Callaghan, do you 3 3 recognize this exhibit? recollection. 4 4 BY MS. JACKSON: Yes, I do. 5 5 Q And to clarify, you were present at the How do you recognize it? A The case number is associated with the time of this interview? 7 A Yes. I was present during the telephonic Prime investigation. The case title is Prime, Inc. 8 contact and interview of Steven Drake. And the subject of the report is "04-14-16, recorded 9 9 Q Thank you. And did you review this IAR interview of Darren Byes, B&W." 10 in preparation of your affidavit? 10 (Whereupon, the above-referred to A Yes, I did. 11 document was marked as Complainant Exhibit 56 for 12 12 identification.) Q Is it a true and accurate copy? 13 13 BY MS. JACKSON: A Yes, it is. 14 14 MS. JACKSON: Your Honor, Complainant Q Did you review this IAR in preparation of 15 requests that the Tribunal admit CX55 into evidence. 15 your affidavit? 16 JUDGE COUGHLIN: Okay. And objections 16 A Yes. 17 17 from New Prime? MS. JACKSON: Ms. Tribett, could you 18 MR. MCKAY: No objection. 18 scroll to the bottom? Could you scroll through the 19 JUDGE COUGHLIN: Okay. CX55 is admitted. 19 exhibit? Thank you. 20 20 (Whereupon, the above-referred to Mr. Callaghan, is this a true and 21 document was received into evidence as Complainant 21 accurate copy of this IAR? 22 Exhibit 55.) 22 THE WITNESS: Yes. 158 159 1 MS. JACKSON: Your Honor, Complainant 1 identification.) 2 2 requests that the Tribunal admit CX56 into evidence. BY MS. JACKSON: 3 JUDGE COUGHLIN: Objections from New 3 Q And did you review this IAR in 4 preparation of your affidavit? Prime? 5 5 MR. MCKAY: Same objection. A Yes. 6 JUDGE COUGHLIN: Okay. CX56 is admitted 6 MS. JACKSON: Ms. Tribett, if you could 7 7 over objection. scroll through. 8 8 (Whereupon, the above-referred to Mr. Callaghan, is this a true and 9 document was received into evidence as Complainant 9 accurate copy of this IAR? 10 10 Exhibit 56.) THE WITNESS: Yes. 11 11 MS. JACKSON: Ms. Tribett, if you could MS. JACKSON: Your Honor, Complainant 12 12 pull up CX57. requests that the Tribunal admit CX57 into evidence. 13 13 Mr. Callaghan, do you recognize this JUDGE COUGHLIN: Okay. Any objection 14 exhibit? 14 from New Prime? 15 THE WITNESS: Mine's still opening. Yes, 15 MR. MCKAY: Same objection. 16 16 I recognize this. It's associated with the Prime JUDGE COUGHLIN: Okay. Fifty-seven is 17 17 investigation based on the case number. The case admitted over objection. 18 title is Prime, Inc. And the subject of the report 18 (Whereupon, the above-referred to 19 19 is the interview of David McCollum, Quarter document was received into evidence as Complainant 20 Trucking. 20 Exhibit 57.) 21 21 (Whereupon, the above-referred to BY MS. JACKSON: 22 document was marked as Complainant Exhibit 57 for 22 Q CX58 please. Mr. Callaghan, do you have

160 161 1 CX58 on your screen? you said yes, it is a true and correct copy? 2 A Yes. THE WITNESS: That's correct. 3 3 JUDGE COUGHLIN: Okay, all right. I Q Do you recognize it? 4 4 A Yes. This is a case number for Prime. didn't quite hear you. Any objection from New 5 The title is Prime, Inc. And the subject of the 5 Prime? 6 report is the interview of Joni Stewart, Prime. MR. MCKAY: Same objections. 7 7 JUDGE COUGHLIN: Okay. CX58 is admitted (Whereupon, the above-referred to 8 document was marked as Complainant Exhibit 58 for 8 over objection. 9 9 identification.) (Whereupon, the above-referred to 10 BY MS. JACKSON: 10 document was received into evidence as Complainant 11 11 Q Did you review it in preparation of your Exhibit 58.) 12 affidavit? 12 MS. JACKSON: Ms. Tribett, if you could 13 A Yes. 13 pull up CX59 please. 14 14 MS. JACKSON: Ms. Tribett, if you could Mr. Callaghan, can you see CX59 on your 15 15 just scroll through. screen? 16 Is it a true and accurate copy of this 16 THE WITNESS: Yes. 17 IAR? 17 BY MS. JACKSON: 18 18 Q Do you recognize it? THE WITNESS: Yes. 19 MS. JACKSON: Your Honor, Complainant 19 A Yes, I do. The case number is associated 20 requests that the Tribunal admits CX58 into 20 with Prime. The case title is Prime, Inc. The 21 evidence. 21 subject of the report: "7/19/16, transcript of 22 22 recorded interview of Gary Broderick, Prime". JUDGE COUGHLIN: Okay. Mr. Callaghan, 162 163 1 1 (Whereupon, the above-referred to Exhibit 59.) 2 2 document was marked as Complainant Exhibit 59 for MS. JACKSON: Ms. Tribett, if you could 3 identification.) pull up CX60. 4 4 BY MS. JACKSON: Mr. Callaghan, can you see CX60 on your 5 Q And did you review this IAR in 5 screen? 6 preparation of your affidavit? 6 THE WITNESS: Yes. 7 7 A Yes, I did. BY MS. JACKSON: 8 8 MS. JACKSON: Ms. Tribett, if you could Q Do you recognize it? 9 scroll to the bottom please. Thank you. 9 A Yes, I do. 10 Mr. Callaghan, is this a true and 10 Q How do you recognize it? 11 11 accurate copy of this IAR? A The case number assigned to Prime. The 12 12 title is Prime, Inc. And the subject of the report THE WITNESS: Yes. 13 MS. JACKSON: Your Honor, Complainant 13 is "Interview of Thomas Leman (phonetic) and J.B. 14 Hunt." 14 requests that the Tribunal admits CX59 into 15 evidence. 15 (Whereupon, the above-referred to 16 JUDGE COUGHLIN: Objections from New 16 document was marked as Complainant Exhibit 60 for 17 17 identification.) Prime? 18 18 MR. MCKAY: Same objections. BY MS. JACKSON: 19 JUDGE COUGHLIN: All right. Fifty-nine 19 Q Did you review this IAR in preparation of 20 is admitted over objection. 20 your affidavit? 21 21 (Whereupon, the above-referred to A Yes, I did. 22 document was received into evidence as Complainant 22 Q And is it -- Oh, sorry. Let's scroll to

164 165 1 the bottom please. Mr. Callaghan, is this a true 1 (Whereupon, the above-referred to 2 and accurate copy? 2 document was marked as Complainant Exhibit 61 for 3 3 identification.) A Yes. 4 4 BY MS. JACKSON: MS. JACKSON: Your Honor, Complainant 5 requests that the Tribunal admit CX60 into evidence. 5 Q And did you review this IAR in 6 JUDGE COUGHLIN: Any objections from New preparation of your affidavit? 7 7 Prime? A I did. 8 8 MR. MCKAY: Same objection. MS. JACKSON: Sorry. Ms. Tribett, if you 9 JUDGE COUGHLIN: Okay. CX60 is admitted 9 could just scroll to the bottom. 10 10 Mr. Callaghan, is this a true and over objection. 11 (Whereupon, the above-referred to 11 accurate copy? 12 12 document was received into evidence as Complainant THE WITNESS: Yes, it is. 13 13 Exhibit 60.) MS. JACKSON: Your Honor, Complainant 14 BY MS. JACKSON: 14 requests that the Tribunal admit CX61 into evidence. 15 15 Q CX61 please. Mr. Callaghan, do you have JUDGE COUGHLIN: Okay. Objections from 16 CX61 in front of you? 16 New Prime? 17 17 A I do. MR. MCKAY: Same objection. 18 18 Do you recognize it? JUDGE COUGHLIN: Admitted over objection. 19 A Yes. This is an IAR associated with the 19 (Whereupon, the above-referred to 20 case number assigned to Prime. The case title is 20 document was received into evidence as Complainant 21 Prime, Inc. And the subject of the report is 21 Exhibit 61.) 22 "4/14/16, recorded interview of Rick Lee, D&W". 22 MS. JACKSON: Ms. Tribett, if you could 166 167 1 -- I lost my place -- If you could pull up CX62. 1 than Mr. Callaghan is testifying today. 2 2 Mr. Callaghan, is this a true and Mr. Callaghan, do you have CX62 in front 3 of you? 3 accurate copy? 4 4 THE WITNESS: I do. THE WITNESS: Yes. 5 MS. JACKSON: Your Honor, Complainant BY MS. JACKSON: 6 Q Do you recognize it? requests that the Tribunal admit CX62 into evidence. 7 7 JUDGE COUGHLIN: Objections from New A I do. I recognize it based on the case 8 8 number assigned to Prime. The case title is Prime, Prime? 9 Inc. And the subject of this report is "3/31/16, MR. MCKAY: Same objections. 10 recorded interview of David McCullough, Quarter 10 JUDGE COUGHLIN: All right. CX62 is 11 Trucking". 11 admitted over objection. 12 12 (Whereupon, the above-referred to (Whereupon, the above-referred to 13 document was marked as Complainant Exhibit 62 for 13 document was received into evidence as Complainant 14 14 identification.) Exhibit 62.) 15 BY MS. JACKSON: 15 MS. JACKSON: Ms. Tribett, if you could 16 16 Q And did you review this IAR in pull up CX, thank you, 55 -- 65, you're right. 17 preparation of your affidavit? 17 Mr. Callaghan, do you have CX65 in front 18 A I did. 18 of you? 19 19 MS. JACKSON: Ms. Tribett, if you could THE WITNESS: I do. 20 20 just scroll to the bottom. Just for the record, on BY MS. JACKSON: 21 this exhibit, you'll see SA and then there's 21 Q Do you recognize it? 22 redacted language. That's a different special agent 22 A I do. I recognize it based on the

168 169 1 assignment of the case number that is specific to 1 MS. JACKSON: Your Honor, if I could just 2 Prime. Case title is Prime, Inc. The subject of 2 confer with my co-counsel for one minute? 3 3 this report is "National response center inquiry". JUDGE COUGHLIN: Sure. 4 4 (Whereupon, the above-referred to MS. JACKSON: Mr. Callaghan, I'll be 5 document was marked as Complainant Exhibit 65 for right back. Thank you, Your Honor. I just wanted identification.) to confer that we had gotten everything. Your 7 BY MS. JACKSON: Honor, Complainant reserves the right to call Mr. 8 Q And did you review this IAR in Callaghan on rebuttal as necessary, limited in scope 9 preparation of your affidavit? of course. But otherwise Complainant rests with 10 10 regards to the witness. 11 11 Q And is this is a true and accurate copy? JUDGE COUGHLIN: All right. Thank you, 12 12 A Yes, it is. Ms. Jackson. 13 13 MS. JACKSON: Your Honor, Complainant MS. JACKSON: Thank you, Mr. Callaghan. 14 14 requests that the Tribunal admit CX65 into evidence. JUDGE COUGHLIN: Any cross by New Prime? 15 JUDGE COUGHLIN: Objections from New 15 MR. MCKAY: Right, Your Honor. And I 16 Prime? have -- I have the exhibits loaded on my computer 17 17 MR. MCKAY: Same objection. and would be prepared to show to those witness. It 18 JUDGE COUGHLIN: Okay. All right. CX65 18 might take a few minutes to get that set up. 19 is admitted over objection. 19 JUDGE COUGHLIN: Okay. 20 20 (Whereupon, the above-referred to MR. MCKAY: I'm wondering, we're ten of 21 document was received into evidence as Complainant 21 the noon hour. Would this be a good time to maybe 22 Exhibit 65.) 22 take our noon break? 170 171 1 1 JUDGE COUGHLIN: Sure. Absolutely, we you ready to conduct cross? 2 2 can take our break right now. MR. MCKAY: I am. 3 3 MR. MCKAY: Okay. JUDGE COUGHLIN: Okay. Please go ahead. 4 4 JUDGE COUGHLIN: And then you could just MR. MCKAY: Your Honor, I --5 pick up when we return. All right. So do you need MS. JACKSON: I apologize, Your Honor. 6 some assistance with regard to having the exhibits? 6 Our paralegal just ran to grab her mouse so that she 7 7 MR. MCKAY: I hope not. can work the exhibits. 8 8 JUDGE COUGHLIN: Okay. All right. Just JUDGE COUGHLIN: Okay. 9 9 let me know if you do. Why don't we just come back MS. JACKSON: There she is. 10 10 at 1:00. And if you need any more time for the JUDGE COUGHLIN: Oh, okay. Great. 11 Great. 11 technical piece, just let me know. 12 12 MR. MCKAY: I will. MS. JACKSON: Thank you. So now Mr. 13 JUDGE COUGHLIN: Okay. All right. Well, 13 Callaghan's on the line, but I don't know what to do 14 we'll stand in recess and I'll see everyone back at 14 to populate him so that you can see. 15 15 noon -- sorry, at 1 o'clock. My apologies. Thank MR. MCKAY: I suggest we wait for the 16 you. 16 witness to appear before us. 17 17 (Whereupon, the above-entitled matter JUDGE COUGHLIN: To come back up, yes. 18 went off the record at 12:48 p.m. and resumed at 18 I'm seeing a blank screen. Rick, can you hear us? 19 1:07 p.m.) 19 THE WITNESS: Yes, I can hear you. 20 JUDGE COUGHLIN: We're back on the record 20 PARTICIPANT: You have to give control to 21 after a lunch break, a little bit over. Ten past, 21 me. 22 but we're all back and together. And Mr. McKay, are 22 THE WITNESS: Can you hear me okay?

172 173 1 MR. MCKAY: Yes. 1 Interstate 84 involving hazardous materials? 2 2 PARTICIPANT: You now appear on screen. A I was not aware of that until it was 3 3 MR. MCKAY: Your Honor, may I proceed? mentioned during today's proceeding. 4 4 JUDGE COUGHLIN: Yes. Q So the first time you heard that was when 5 **CROSS EXAMINATION** 5 you listened to Mr. Ryan's opening statements this 6 BY MR. MCKAY: morning? 7 7 Q Special Agent Callaghan, the case that we A Correct. 8 8 are discussing here today is -- it rises out of a Q And the first time you heard that an EPA 9 9 official may have been notified of the fire on the trailer fire that happened in Idaho in September of 10 2015. Do you agree with that? 10 day of the fire was during Mr. Ryan's opening 11 11 statement? A Yes. 12 12 A Sometime today somebody mentioned that. So over -- in September of 2015 to be 13 slightly more precise. Correct? 13 And I keyed into it because I wasn't aware of that. 14 14 A Correct. Q This matter was brought to the attention 15 Q So over seven years ago? You have to --15 of your office, EPA CID at some point during 2015. 16 You have to answer audibly. You can't just shake Would you agree with that? 17 A Yes. 17 your head. Could you answer audibly for the record? 18 18 A I'm sorry. I didn't know if that was a Q Okay. In fact, you attended a meeting on 19 statement or a question. Yes, more than over --19 December 18, 2015 with IDEQ where they brought the 20 matter to your attention. Do you recall that? approximately ten years ago. Q Do you know if anyone at EPA was notified 21 A I do recall that meeting and I'm going to 22 on the day of the fire that there was a fire along 22 trust you on that date. 174 175 1 1 Q I'd be glad to show -- you don't have to MS. TRIBETT: Because he was looking at trust me. I'd be glad to show you what's previously 2 my computer. 3 3 been admitted as Complainant's Exhibit 15. Do you MR. MCKAY: Which was something different 4 see that? than what was displayed in the courtroom. 5 5 A I don't yet, Mr. Ryan. MS. TRIBETT: No. What you saw was what б JUDGE COUGHLIN: Actually, it's Mr. 6 he was seeing. 7 7 McKay. MR. MCKAY: Is there a way that we can 8 MR. MCKAY: Oh, Mr. McKay. I'm sorry. 8 return to that so that he could see what's --9 9 JUDGE COUGHLIN: Yeah, it's Mr. McKay MS. TRIBETT: I can pull it up on my 10 10 computer. who's questioning you. 11 BY MR. MCKAY: 11 MR. MCKAY: Okay. 12 Q Can you see what appears in the 12 MS. TRIBETT: Do you want that? 13 courtroom? 13 MR. MCKAY: Please. 14 A I cannot. I do not see anything yet. 14 MS. TRIBETT: Okay, yeah. What exhibit 15 MR. MCKAY: Okay. 15 number? 16 MS. TRIBETT: No, he can't see the 16 MR. MCKAY: Thank you. So would he see 17 courtroom. He can only see my computer. 17 the callout of this? 18 MR. MCKAY: So this morning, he was 18 MS. TRIBETT: I could call him into the 19 seeing exhibits that were --19 Teams meeting and he could see your computer, but 20 MS. TRIBETT: On my computer. 20 then you couldn't see him. 21 MR. MCKAY: -- that were displayed in the 21 MR. MCKAY: Your Honor, I'm sorry. I

22 courtroom.

22 apologize. I was under the impression that the

176 1 witness was seeing what was actually being projected 1 2 in the courtroom. And it sounds like there was an 2 3 attempt to -- at least the Government's paralegal is 3 4 4 pulling up documents that were being projected in 5 the courtroom, but it may not have been the exact same digital image. So I would ask that the witness 7 be able to see what -- what's in the record with 7 8 8 it what we're showing, you know, in these proceedings. 9 9 JUDGE COUGHLIN: Right. What you've 10 prepared -- Respondent has prepared to show -- this 10 11 cut-out for example. 12 MR. MCKAY: Yes. 12 13 JUDGE COUGHLIN: So could that be accomplished if Mr. McKay were to join the Teams 14 monitor. 15 15 meeting? 16 MS. TRIBETT: Yes. Then you would share 17 17 your screen in the Teams meeting. 18 18 JUDGE COUGHLIN: Now is that -- and I 19 clearly appreciate how complicated some of the 19 20 technology can be. Is that something you could be 21 21 comfortable doing? 22 MR. MCKAY: Yes.

JUDGE COUGHLIN: It can be limited, right? I mean he could join. Would he have control over what he shares? MS. TRIBETT: Yes. Yes. JUDGE COUGHLIN: Okay. And then he could leave the meeting and anything else that's on his computer would be preserved. No one else would see MS. TRIBETT: What is on his screen will be visible to the witness. JUDGE COUGHLIN: Okay. MS. TRIBETT: So this will not be using 13 his computer, but will just be viewing what's on the MR. MCKAY: Yeah. Maybe we can just do 16 this -- I'm just afraid that we're going to get bogged down and a lot of complication with the Teams meeting going on and then sharing the screen, and then having the limitations of the size. JUDGE COUGHLIN: Okay. MR. MCKAY: And maybe what I could do is 22 simply ask that the witness pull up the documents

178

179

1 that I'm describing. And I'll pull them out this 2 way, but I'll do my best to describe for the witness 3 what I'm looking at and direct him -- direct his 4 attention to that specific aspect of the exhibit. 5 Would that be okay? 6 JUDGE COUGHLIN: Perfect. I think that's 7 fine. 8 MR. MCKAY: All right. Mr. Callaghan --9 Special Agent Callaghan, did you follow that? 10 THE WITNESS: Yes, sir. I think I did. 11 And to get at anything -- I have all the stuff that 12 Kate Tribett has provided in exhibits. So as was 13 the case previously, I think that if you tell me 14 which CX exhibit it is, I should be able to bring it 15 up and see it. 16 BY MR. MCKAY: 17 Q Right. So I'm going to now direct your 18 attention to Complainant's Exhibit 52, the first

page of that exhibit. Tell me when you have that

JUDGE COUGHLIN: I don't mean to

A Yes, sir. Stand by please.

1 interrupt, but I can no longer see the witness now. So is there a way to -- you know how you pulled up that pull-out, is there a way to remove that so that I can see him again? MR. MCKAY: Yeah. I don't think that there is. I think it's -- either EPA is running the -- you know, running what you see and what I see or I'm running what you and I see. And I don't think there's a way to blend the two or to do both. 10 JUDGE COUGHLIN: Okay. Do you need to 11 display these cut-outs? 12 MR. MCKAY: I think I can -- That would 13 be my preference --14 JUDGE COUGHLIN: Okay. 15 MR. MCKAY: -- but I don't know that I 16 need it. I think I can -- I think I can direct the 17 witness to what I'm going to be showing the Court. 18 JUDGE COUGHLIN: Okay. And I in turn can 19 follow along with my copy. So I guess at this 20 point, how do we go about restoring the view of the 21 witness on the monitor? 22 MS. TRIBETT: We have to go back --

exhibit.

19

20

21

180

5

1 MR. MCKAY: Okay. Again, Your Honor,

2 you're not -- you're not going to be in a position

- 3 to see -- to see the portions of the exhibit that
- 4 I'm calling out if we do that.
- 5 JUDGE COUGHLIN: Right. What I can do --
- 6 and it's your -- I mean to some extent, it's your
- 7 choice. But I also -- you know, I think it's
- 8 helpful for me to be able to observe the witness as
- ⁹ the witness is testifying. You know, credibility
- 10 issues. So you know, one solution could be that as
- 11 you're drawing a particular focus to the witness in
- ++ you're drawing a particular focus to the withess in
- 12 the document, I too can do the same as you're --
- 13 you'd be in effect, directing both of us to a
- 14 certain section. But I don't know if that's going
- 15 to interfere with your presentation or not. I don't
- 16 want you to feel as though you're (audio
- 17 interference).
- 18 MR. MCKAY: I mean if the Court is
- 19 satisfied with this, I'm content to just have the
- witness appear for portions of his testimony here on
- 21 cross examination by audio.
- 22 JUDGE COUGHLIN: Okay.

- 1 MR. MCKAY: And I just think that there
- 2 are -- I'm going to be going through some of these
- 3 documents that were admitted. And I think that the
- 4 text of the documents is important.
 - JUDGE COUGHLIN: Okay.
- 6 MR. MCKAY: And I think that this witness
- 7 will confirm that the text is what it is. And his
- 8 demeanor and other things that might otherwise be
- 9 important for other witnesses may not be so
- 10 important in this phase of this proceeding, Your
- 11 Honor.
- 12 JUDGE COUGHLIN: Okay. That's fine. I
- 13 think the only thing maybe I could offer up as a
- 14 possible compromise might be what if I were to join
- 15 the Teams meeting and pull up the witness on my work
- 16 cell, so I could be watching him on my phone? Not
- 17 to put you on the spot, Mr. Callaghan, to think that
- 18 I'm trying to scrutinize every facial expression.
- 19 But it is an obligation I have to observe the
- 20 demeanor of the witness. And if we can kind of find
- 21 this compromise, I think it would be ideal.
- MR. MCKAY: And may I do the same thing?

- 1 I think that's a perfect solution.
- 2 JUDGE COUGHLIN: Okay, great.
- 3 MR. MCKAY: So if I can do the same maybe
- 4 with my iPad if the Government could invite us to
- 5 that Teams meeting.
- 6 MS. TRIBETT: Sure. I just need email
- 7 addresses to send the invite to.
- 8 MR. MCKAY: Do you have to be (audio
- 9 interference).
- JUDGE COUGHLIN: I need to be in the VPN
- 11 right? I need to be in the -- I'm sorry. You go
- 12 right ahead.
- MR. MCKAY: Can we go off the record for
- 14 just a --
- JUDGE COUGHLIN: Yeah. Maybe for just a
- 16 second.
- 17 (Whereupon, the above-entitled matter
- 18 went off the record at 1:21 p.m. and resumed at 1:27
- 19 p.m.)
- JUDGE COUGHLIN: Okay. I have
- 21 successfully joined the Teams meeting so I can see
- 22 Mr. Callaghan, Special Agent Callaghan. I just

- 1 asked Mr. McKay if he could, and he can't,
- 2 unfortunately.
- 3 MR. MCKAY: I can't, and I will also say,
- 4 for the record, I'm willing to forego seeing the
- 5 witness at this stage of the proceeding. I think
- 6 Her Honor wished to see the witness, and I'm glad
- 7 you can, and I'm willing to proceed with that
- 8 limitation.
- 9 JUDGE COUGHLIN: Okay. All right. Very
- 10 good. Thank you. Okay. Let's go ahead and
- 11 continue.
- 12 BY MR. MCKAY:
- Q Special Agent Callaghan, were you able to
- 14 pull up Complainant's Exhibit 52?
- 15 A Yes, sir, I was. There was something on
- 16 my screen.
- Q Do you see the first paragraph of that
- 18 exhibit?
- 19 A Their synopsis?
- 20 Q Yes.
- 21 A Yes, I see that.
- Q Does that refer to the DEQ bringing this

184

- to the attention of CID, EPA CID on December 18, orin December 2015?
- 3 A Yes. To me, this document records that we
- 4 went over and met with the DEQ on December 18.
 - Q Okay. So, you no longer have to take my
- work, if you will, you agree that EPA CID was aware
- 7 of this matter in at least December 2015, correct?
- 8 A Correct.

5

- 9 Q When the criminal investigation was
- 10 started, Special Agent Darren Mugleston was the CID
- 11 Agent assigned the case.
- 12 A Correct.
- Q And he is the resident agent in charge
- 14 of, was at the time, the resident agent in charge of
- 15 the Boise office?
- 16 A Correct.
- 17 Q I think you indicated previously he was
- 18 the case agent, so by case agent he had primary
- 19 responsibility for the case.
- 20 A Correct.
- 21 Q And that's why we see his name on so many
- 22 of the exhibits that we review today and not yours.

- 1 A Correct.
- 2 Q Would you agree me, then, that Special
- 3 Agent Mugleston had far more involvement in this
- 4 case than you did?
- 5 A Yes.
- 6 Q Were you able to determine when Special
- 7 Agent Mugleston retired from the EPA?
 - A I did not look that up.
- 9 Q He still resides in the Boise area, does
- 10 he not?

8

- 11 A Yes, he does, that's my understanding.
- 12 Q When were you notified that Special
- 13 Agent, or Mr. Mugleston now did not wish to
- 14 participate in these proceedings?
- 15 A It was, sorry, Mr. McKay, can you repeat
- 16 that question?
- 17 Q When were you notified that Special Agent
- 18 or Mr. Mugleston did not wish to participate in
- 19 these proceedings necessitating your involvement?
- 20 A I believe it was from EPA's attorney,
- 21 Laurianne, that I learned that Darren was not
- 22 interested in participating in the (audio

186

- 1 investigation.
- 3 materials were turned over to Region 8 from the CID

Right. And my question goes to what

- 4 file. Are you just not able to say whether the
- 5 entirety of those files were turned over?
- 6 A Yes, I'm not able to say what was turned
- 7 over.
- 8 Q I'm going to turn your attention to
- 9 Complainant's Exhibit 22. Let's start by looking at
- 10 the first page of that exhibit. Tell me when you're
- 11 looking at the first page of Exhibit 22.
- 12 A I am looking at the first page of Exhibit
- 13 **22**.
- 14 Q This is an exhibit that concerns the
- 15 interview of B&W truck driver Sandy Derrick
- 16 (phonetic), is it not?
- 17 A Correct, it is.
- 18 Q You see about two-thirds of the way down
- 19 the page there's a reference to that interview being
- 20 recorded. Do you see that?
- 21 A I see that.
- 22 Q And if you look at page 8 of this exhibit

10

- 2 Q Can you say when that occurred?
- 3 A I can't. It was whenever they approached
- $4\,\,$ me and asked me if I would be willing to do that.
- 5 So, whenever they planned things out, that's when I
- 6 got involved.

1 interference).

- 7 Q Do you know a general time frame? Last
- 8 couple of months, six months, or can you not say?
- 9 A It wasn't six months. I guess I was put,
- 10 roughly, if we're really pushing for a time frame,
- 11 two to three months.
- 12 Q To your knowledge, was the entirety of
- 13 the EPA CID file provided to EPA Region 8, the folks
- 14 that are handling this procedure?
- 15 A I cannot answer that, I do not know.
- Q So, you are unable to say, for example,
- 17 I assume a grand jury was not provided, you would
- 18 agree with that, of course?
- 19 A Yes, and I was getting ready to correct
- 20 my statement that I knew and know a lot more than is
- 21 reflected, possibly, in this. I mean, I knew at one
- 22 time, and it was fresh because this was a criminal

- 1 you would see that there's at least a photocopy of
- 2 that digital recording, do you see that? A
- 3 photocopy of the CD that is purported to contain
- 4 that digital recording. Do you see that?
- 5 A Yes.
- 6 Q You don't know whether these digital
- 7 recordings were turned over to Region 8, is that
- 8 right?
- 9 A That's correct.
- 10 Q And you did not listen to many of these
- 11 digital recordings that were created in this case in
- 12 preparation for your testimony today?
- 13 A That's correct.
- 14 Q You would agree with me, would you not,
- 15 that an actual recording is the most accurate
- 16 reflection of what a person said, correct?
- 17 A Agreed.
- 18 Q And, in fact, an IAR, Investigative
- 19 Activity Report, that's not a verbatim record of
- 20 what a witness said. Instead, it's a summary of
- 21 some of the things that were said by the witness.
- 22 Would you agree with that?

- 1 A lagree with that.
 - Q In fact, if you looked at what's
- 3 previously been admitted as Complainant's Exhibit
- 4 23, tell me when you have page 1 of Exhibit 3 in
- front of you.
- 6 JUDGE COUGHLIN: Mr. McKay, page 1 of
- 7 Exhibit 23?
- 8 MR. MCKAY: Yes, ma'am.
- 9 THE WITNESS: I have page 1 of 23 open.
- 10 BY MR. MCKAY:
- 11 Q You'll see that that is, in fact, an IAR
- 12 of Agent Mugleston's interview of a ten quarter, is
- 13 it not?
- 14 A That's correct.
- 15 Q If you look down to the third to last
- 16 paragraph of that page, the paragraph that begins,
- 17 A general summary, do you see that?
- 18 A I do.
- 19 Q Just tell me if I'm reading it correctly.
- 20 A general summary of the audio recorded interview
- 21 with quarter has been included below to provide an
- 22 investigative reference to the topics discussed

190

- 1 during the interview. This summary is not intended
- 2 to be in chronological order or a verbatim account.
- 3 It does not memorialize all statements made during
- 4 the interview. The recording captures the actual
- 5 words spoken. Did I read that correctly?
- 6 A Yes, you did.
- 7 Q Would you agree, as a general principle
- 8 that that's an accurate statement, that if there's
- 9 a recording of a witness interview that that
- 10 recording would be a better, would more accurately
- 11 capture exactly what the witness said, and, in fact,
- 12 what the interviewer also said?
- 13 A Yes
- 14 Q In your capacity as a CID agent, you're
- 15 familiar, are you not, with the Government's
- obligation in a criminal case to turn over
- 17 exculpatory evidence it possesses?
- MS. JACKSON: Objection, Your Honor.
- 19 This is not a criminal matter, and I don't believe
- 20 we need to be talking about criminal standards of
- 21 proof or custody.
- MR. MILLER: It's not, and I will confirm

- 1 with the witness that it's not. I'd like to know
- 2 what, if anything, he did to ensure that we have
- 3 exculpatory evidence in the Government's possession.
- 4 JUDGE COUGHLIN: Ms. Jackson.
- MS. JACKSON: Under part 22, we are
- 6 required to provide you information that we believe
- 7 is relative to the matter that we plan to present
- 8 today. We have provided that information. In
- 9 addition, we provided the entire criminal file that
- 10 EPA Region 8 received some 20 months ago. We
- 11 provided that to respondent. You have received all
- 12 that information. In the terms of questioning, this
- 13 witness and talking about these CDs, in particular,
- 14 I feel like you should be foreclosed from raising
- 15 this issue. In fact, I've tried in the past to
- 16 communicate. Your co-counsel never made a clear
- 17 request for anything, and we did not have them in
- 18 our immediate possession. We were more than willing
- 19 to provide them. We never received follow-up as a
- 20 result. We did pull that information. We're happy
- 21 to provide it to you, but we're not presenting that
- 22 evidence today. Under Part 22 we're limited to

192 193

1 what's in the pre-hearing exchange.

2 JUDGE COUGHLIN: Okay. So, a couple of 3 things. When I hear exculpatory, of course I start

4 thinking criminal, and this is not that.

5 The second point is, I'm only going to be 6 considering what has been exchanged and then what's

7 from that what is admitted into evidence, not

8 anything outside of that. So, I'm not sure where

9 you're headed with the questioning, but I will

10 sustain the objection as it relates to that, and if

11 you'd like to follow up with another question or

12 just follow up with this line of thought in a

13 different way, that's fine.

14 MR. MCKAY: Right. And I think what

15 counsel said is not necessarily accurate in terms of

16 us requesting the digital recordings of interviews.

17 We identified a number of IARs that had photocopies

18 of CDs that purported to contain the actual

19 recordings of the witness interviews. When we

20 inquired about that we were told, well, we're not

going to offer those. That, I submit, does not

22 allow or excuse the failure to turn over what we

1 submit is an essential part of this exhibit. By the

Government's own terms in these IARs, it's the most

accurate statement of what was said during the

interview, and we don't have it. So, if that wasn't

turned over, and this witness was involved in that

process.

7 JUDGE COUGHLIN: One second, Ms. Jackson.

8 MR. MCKAY: Was involved in this process

of facilitating us receiving only part of the file

10 and not receiving digital recordings, for example

and what may be exculpatory evidence, I think that's

12 relevant. The answer may be, I didn't make any

13 attempt to determine whether we possessed

exculpatory evidence, and so I can't say that that

15 was turned over, and I've got to live with that

answer.

17 JUDGE COUGHLIN: Okay. But are we

18 talking about, because I want to make sure I'm

19 understanding the scope of this, are we talking

20 about -- I haven't forgotten, Ms. Jackson, I just

want to make sure I'm clear here. Are we talking

22 about when there is the picture of the CD and what

194

1 you've highlighted here about the synopsis versus

2 the full audio recording of the interview. Is that

3 what you're talking about, the full audio recording

4 of the interview, or are you talking about other

5 things besides that?

6 MR. MCKAY: Right. So, I'm talking about

7 both. I'm talking about these CDs, these digital

8 recordings, for one, and then I'm talking about

whatever else might exist that we don't know about.

10 We were never made privy to the file, the CID file.

11 So, if there is exculpatory evidence that lives in

12 that file that was not turned over to us, I think

13 we're, respectfully, I think we're entitled to know

14 at least the answer to that question or at least

15 know the answer to the question about whether the

witness did not perform any sort of an analysis

17 about whether that file contained exculpatory

18 evidence. I submit it's relevant, potentially

19 relevant, at least to bias. The witness, I say this

with all due respect to Special Agent Callaghan.

21 I'm not suggesting he manipulated what we received

22 and didn't receive, but I'd just like to know, was

1 the search for exculpatory evidence made in

connection with this matter?

3 JUDGE COUGHLIN: Okay. Was there

something else you wanted to add?

MS. JACKSON: Sure. I'd be happy to

respond. So, there's a couple things, again, under

Part 22, we're looking at the prehearing exchange,

we're not required to provide everything. I will

say, as an officer of the court, that I did provide

the full CID file that Region 8 received. With

11 regards to the recordings, we offered them, they

12 never followed up to get them. That was more

13 recently. I'm not going to say that we offered that

as part of the prehearing exchange, we didn't have

them. But we did offer an email, which was never

16 responded to, and a meeting that was not responded

17 to. Finally, I guess that's my point. We have been

18 transparent. This Part 22 matter, we didn't go

19 through discovery. I'm sure you all had email we

would've liked to have seen, we haven't seen them.

21 So, I guess I just don't really, I feel like there's

22 two different standards being put before the Court.

196

1 JUDGE COUGHLIN: Okay. With respect to 2 other exculpatory evidence that might exist from a 3 criminal file, I'm sustaining the objection because 4 I don't think that belongs in this proceeding. I 5 have nothing to do with a criminal enforcement action, and, in fact, I'm limited to a civil 7 enforcement action and to that which has been 8 exchanged, and from that information, that which is 9 offered into evidence. So, that's my ruling with respect to the other things.

respect to the other things.

With regard to the actual audio recording for which there is a synopsis that is covered in part or to some extent in these IARs that have been offered and admitted into evidence. I guess I'd like to know a little bit more about that, and whether or not, and this might require a moment of research, but whether or not when bringing it into question through cross examination you're entitled

to the full audio recording or not. That'ssomething I'd have to look into. But before I do,

let me ask, what effort was made to get them well before now, knowing that these were going to be

196

offered, the synopsis was going to be offered, and frankly I hoped we wouldn't be talking about it at

3 this stage. So, can you respond to that?

4 MR. MCKAY: Right. I think counsel is
 5 correct. I think there was an email exchange that

6 I wasn't a party to, but Mr. Ryan and Ms. Jackson

7 had an email exchange where Mr. Ryan, as I

8 understand it, inquired about the digital audio

9 recordings that apparently exist and was told by Ms.

10 Jackson in response that they're part of the CID

11 file and they didn't get them. I hesitate to say

12 much more because I think the email is going to

13 speak for itself in terms of what was said and what

14 was requested, and I think we provided that to the

15 Court.

MS. TRIBETT: Do you have it readily available because if not, I don't have it either.

18 MR. MCKAY: I hear Your Honor. I'm glad

19 to table this for right now and move on with my

20 questioning. I don't wish to spend a bunch of the

21 Court's time on a potential discovery matter,

although, I think it's maybe farther than that given

198

where we are and what's being offered into evidencethrough the IARs.

JUDGE COUGHLIN: Yeah. I wanted to -- I
 wish I had these rule numbers off the top of my head
 to help me here.

MS. JACKSON: Federal Rules of Evidence
 1006 provides that you are allowed to use summary of
 writings.

9 JUDGE COUGHLIN: Right.

10 MS. JACKSON: I'm not presuming that's

11 where you're looking, I just wanted to.

12 JUDGE COUGHLIN: That might very well be

it. I'm going through the cobwebs of my mind. Letme look here because that's what's coming into my

15 head, whether or not there's an obligation when

16 challenged, for you to be able to provide the full

17 material.

18 MR. MCKAY: Your Honor, I have the

19 exchange of email between the parties concerning

20 this issue, and I'd be glad to hand that up to the

21 Court so the Court can review that, if it wishes, as

22 part of this analysis.

199

1 JUDGE COUGHLIN: Is it going to shed

2 light on this issue, you think?

3 MR. MCKAY: Well, it's certainly going to

shed light on the discussion. It's been generally
 referred to by the parties, and I submit that this

-

6 is a more accurate description of what was said.

7 JUDGE COUGHLIN: Okay.

8 MR. MCKAY: I'm glad to offer that if you

9 wish to see it.

10 JUDGE COUGHLIN: Sure.

11 MR. MCKAY: I've handed counsel a copy.

12 I have another copy that, if I may approach, I'll

13 hand to Your Honor.

14 JUDGE COUGHLIN: Okay.

MR. MCKAY: Can I ask that the email

16 exchange be made part of the record because I think

 $17\,\,$ it does reflect a request by my co-counsel, Mr.

18 Ryan, on August 17 to supply the digital recordings

19 of interviews that occurred.

JUDGE COUGHLIN: Ms. Jackson, would you

21 like to --

MS. JACKSON: I believe it says, see for

203

- 1 example. We never had a conversation. We had a
- 2 meeting set on Tuesday, which Mr. Ryan did not show
- 3 up for. This has never been raised again. It was
- 4 not raised at the pre-hearing conference. The CDs
- have been, the photocopies of the CDs have been with
- our exhibits since the very beginning in the pre-
- 7 hearing exchange. I mean, you are correct, if you
- 8 read that by itself, it looks like potentially it
- 9 requests, but it also says, see for example. So, I
- 10
- was like, does he want all of the records, does he
- want just the recordings that are in the pre-hearing
- 12 exchange. I didn't understand exactly what he
- 13 wanted. I promptly responded despite the motion to
- 14 compel. I promptly responded, being on vacation,
- 15 and was more than happy, and, again, we actually did
- 16 reach out to the Boise office to get these
- 17 recordings just in case we did have a follow-up and
- 18 a request, and it never happened. Again, in the
- 19 interest of kind of narrowing things, we didn't even
- 20 dig into that level.

1 evidence in this case.

- 21 JUDGE COUGHLIN: I guess one of the
- 22 questions I have is, why are we dealing with this

- now? Why wasn't this the subject of a motion prior
- to coming to hearing if you wanted to try to compel
- it, if you knew you were going to delve into it and
- cross and want it, or just wanted the full audio
- recording. I guess, why am I being presented with
- this for the first time now at the hearing?
- MR. MCKAY: Right. I think that's a fair
- question. I think the email exchange makes clear,
- when it says, will you please supply those to us,
- 10 that we made that request and EPA chose to respond
- in the way that they did, which resulted in us not
- 12 receiving it. So, we did not bring a motion to
- compel. This was August from this past summer,
- 14 we're a few months away from the hearing that we're
- having here today. We believed that it was
- incumbent upon the EPA to provide the discs that
- 17 were, provide the recordings that were referenced
- 18 that it had ready access to, and they chose not to
- 19 and that they should, in turn, then suffer the
- 20 consequences of not providing that to us. We
- shouldn't have to bring a motion to compel to have
- 22 them turn over what is essential and the best

202

- 2 JUDGE COUGHLIN: Okay. A distinction
- 3 needs to be made, obviously, between what a party
- has tried to exchange amicably on their own versus
- 5 invoking the power I have as a judge to entertain a
- 6 motion and rule accordingly. So, I mean, at one
- 7 level I feel like if it was that critical it
- 8 should've been the subject of a motion that I would
- 9 then be alerted to and rule upon one way or the
- 10 other and then go from there. That said, I'm just
- 11 looking over Rule 1006. So, I guess we need to have
- 12 a little colloquy over this because a portion of
- 13 1006, summaries to prove content, discuss my
- 14 discretion. However, I should say commentary,
- 15 really. Okay. I have some questions. One question
- 16 is to Region 8. Why were the actual audio
- 17 recordings not submitted once you had them? The
- 18 full audio recording.
- 19 MS. JACKSON: It's my understanding, and,
- 20 again, maybe Mark might be able to clarify this, but
- 21 it's my understanding that the discs are labeled,
- and they're date stamped, and they're tracked,

- 1 obviously separate. They can't go into our
- electronic case management system. And what was
- shared with me was provided from the RCEC and Region
- 10, who worked with Mark, and she consolidated,
- pulled from OSHA, that was our electronic case
- management system at the time, and provided the
- record, minus 60 and minus the actual disc. So,
- honestly we had never looked at or considered, we
- didn't consider in our penalty calculation, we
- didn't look at the discs, and it wasn't until this
- 11 August that we received the kind of request. I'll
- 12 acknowledge it was a request, but we were seeking
- 13 clarification, what do you want, when do you want to
- get it, and we'll get it to you. We have always
- 15 been super transparent with our records. We
- 16 provided that larger file, which was the CID
- 17 criminal case filed that was basically referred to
- 18 Region 8, and we provided that to Respondents almost
- 19 months ago, maybe further now, after the pre-
- 20 hearing exchange. So, we provided that information.
- 21 We never heard anything about the CDs. I was a
- 22 little surprised. So, my point was, what do we need

204

- 1 to provide you? Let's have a discussion and you can
- 2 tell me, and I'll make sure and get it. I did,
- 3 following that email exchange, sent an email to the
- 4 RCEC to ask her to physically go into the office,
- 5 get it from wherever the Boise agent office, get
- 6 them scanned, and send them over. There was
- 7 absolutely no follow up to that email exchange that
- 8 you see there. No further follow up. So, we
- 9 grabbed it, but, again, I didn't know exactly what
- 10 he wanted. I still don't know if what we grabbed
- 11 was every recording.
- 12 JUDGE COUGHLIN: I suppose, really, what
- 13 I'm focusing on here is a part from that
- 14 communication that transpired, I guess what I'm
- 15 grappling with is whether that still compels you to
- 16 have the full recording available. I mean, you're
- 17 offering the summary, and there are challenges that
- 18 are being presented to me to these IARs, and
- 19 explicit statements in these IARs that this is a
- 20 synopsis, and the full audio recording is the most
- accurate, and yet, I don't have them, when that's
- 22 being called into question. I'm a little concerned

- as to why they aren't here to be presented, at leastnow that it's being raised.
- 3 MS. JACKSON: Well, we certainly, we do
- 4 have audio recordings. We did have the RCEC go back
- 5 and reach out to the Boise office, and we do have
- 6 the recordings. We're happy to share them with the
- 7 Court and Respondents, but, again, I personally
- 8 never felt like there was a request in earnest. It
- 9 seemed a little bit like, I'm not sure what you
- 10 want. We never had a conversation, we had a
- conversation scheduled, which Mr. Ryan failed to
- 12 attend. We are happy to provide them, I just do not
- 13 know for certain that ever recording from CID is in
- 14 this. What I did have her do is go back and pull
- 15 the recordings that are listed in the pre-hearing
- 16 exchange.
- 17 JUDGE COUGHLIN: That's all I'm talking
- 18 about. I'm not talking about the world of the CID
- 19 file. I'm talking about the underlying full audio
- 20 recordings that are referenced in these IAR reports
- 21 that have been admitted into evidence. That's all
- 22 I'm addressing here. So, if you have them.

206

- MS. JACKSON: I believe we do.
- JUDGE COUGHLIN: Then I think they need
- 3 to be disclosed to me and to Respondent, and then it
- 4 becomes a question of how much time you need to
- 5 review them and how that's going to affect our time
- 6 line right now with this witness, but I think they
- 7 should be. I think they should be. Part of it not
- 8 only is in response to Respondent's objections, but
- 9 frankly, when I get back and I have to wade through
- 10 this and reach a decision, I'm sort of left in the
- 11 same position of looking at these summaries that are
- 12 being challenged and not having the benefit of the
- 13 underlying recording that the author of this IAR has
- 14 already stated is the most accurate and reliable.
- 15 So, I think it is messy at multiple levels to leave
- 16 it like this. Since you have them, then that's
- 17 great.

1

- 18 MS. JACKSON: Thank you, Your Honor.
- 19 We'll upload those to the file share.
- JUDGE COUGHLIN: Okay. So, Mr. McKay,
- 21 how would you like to proceed?
- 22 MR. MCKAY: I think part of the

- 1 challenge, Your Honor, is we could see the
- 2 liability, so this comes down to penalty. I'm out
- 3 here from Boise, and Mr. Ryan is out here from
- 4 Washington State at substantial expense of his
- 5 company. I think after a while I think we reach a
- 6 point of diminishing economic return by requesting
- 7 $\,$ the time that I think would be necessary to review
- 8 what sometimes are going to be very lengthy digital
- 9 recordings, and then make use of that in a
- 10 meaningful way in this proceeding. I don't see how
- 11 it could happen this week. But I'm reluctant, and
- 12 I don't believe that my client wishes for me to
- 13 request a vacation of these proceedings to allow
- 4 that to happen. So, I think I'm compelled to go
- 15 forward given the limitations I've described.
- JUDGE COUGHLIN: Okay. Would you like at
- 17 least -- I think they still need to be turned over.
- 18 Would you like the opportunity to submit argument
- 19 about it post hearing?
- 20 MR. MCKAY: Yes.
- 21 JUDGE COUGHLIN: Okay. Without
- 22 necessitating a continuance or reconvening at some

208 209 1 point but having the benefit of the full audio that 1 MR. MCKAY: I would say we need them, 2 I guess I will include in evidence. You can argue yes. That part is true. We need them, and then if about that in your post hearing briefing. Is that we, after having the opportunity at the conclusion a reasonable solution? I think that us having the of these proceedings, to listen to what's on there, digital recordings, I think it's important for that then we can decide what further action might be to occur, and to the extent that triggers a desire necessary, including motion to re-open the 7 on our part to make an additional submission to the proceedings or a motion to augment the record or 8 Court to have the record include what's on those, some sort of relief that would be necessitated by us 9 9 then we think that's the preferable process instead having these only now, if you will. 10 10 of just having these digital recordings in blind to JUDGE COUGHLIN: So. I think I'm not at 11 the Court and made a part of the record without us 11 this point really open to some of those options. At 12 having an opportunity to fully understand what's on 12 a certain point this evidentiary hearing closes, and 13 there, to listen to them, because there might very 13 my intention was that that would happen no later 14 well be things on there that should not be part of 14 than Friday once we've gone through all this. I 15 this record here. realize we've had some wrinkles, and that's fine. 16 MS. JACKSON: With all due respect, it 16 So, from my position, I would say if there's going 17 feels a little bit like we're talking on two sides 17 to be an argument made that the summary that has 18 here. Do you need the recordings to fully 18 been offered an admitted, often over objection by 19 understand what's in the IARs and check their 19 Respondent, is going to be challenged by you with credibility, or do they stand on their own? If you regard to reliability or whether it's accurate when 21 need them, I have no objection to admitting them compared to the full digital recording, if that's a 22 into evidence. I'm not sure --22 position that you're going to take, then I want you 210 211 1 to have the full digital recording, and I want it 1 you're still there, but if you need to take a 2 too, and it's coming into evidence. Your objections bathroom break. 3 3 can be noted and applied to that as well because THE WITNESS: Thank you. I am here. 4 it's, in effect, a subset of this. But I'm taking Yes, if I can, I'll take a quick bathroom break. 5 it. And you can present argument as you wish, but I'll be right back. 6 from my vantage point I'm thinking of it as the 6 JUDGE COUGHLIN: Absolutely. 7 7 completeness of the record, if that's what, in THE WITNESS: Thank you. 8 8 effect, is being challenged here. What do you want MS. JACKSON: Sorry about that, Your to do? Do you want them knowing they're coming in, 9 Honor. 10 which I think is appropriate given my understanding 10 JUDGE COUGHLIN: It's okay. 11 11 of the Rule and what's transpired. Or do you want MR. MCKAY: Thank you, Your Honor. I 12 12 to simply leave it with these summaries and appreciate the accommodation. 13 recognizing maybe some limitations in the arguments 13 JUDGE COUGHLIN: Of course. 14 14 you can make given the options I'm giving you? MR. MCKAY: So, given what the Court has 15 MR. MCKAY: May I have one minute to 15 told us are our limited options here, we're very 16 16 confer with my co-counsel and client? reticent to allow the record to be -- to have 17 17 JUDGE COUGHLIN: Do you want more than a included in the record recordings, evidence that we 18 18 have not seen. I think in light of that, we would minute? 19 19 MR. MCKAY: I don't think we need longer object to having included in the record now evidence 20 than that. 20 which was not part of the pre-hearing exchange,

21

JUDGE COUGHLIN: Okay. Go right ahead.

MS. JACKSON: Marc, I don't know if

21

22

which the Government did not provide to us in a

22 timely way pursuant to its obligations under the

212 213 1 pre-hearing exchange. So, we object to the 1 a challenge to the fact that we're only talking 2 inclusion of those materials in the record. about the summaries in these IARs. Rightfully, you 3 JUDGE COUGHLIN: The full audio 3 have the chance to be able to look at the full 4 recording? recording for that purpose, if that makes sense. Of 5 MR. MCKAY: Yes. course, the other piece is, to what extent, how much 6 JUDGE COUGHLIN: Okay. All right. Well, emphasis is going to be placed on these IARs with 7 I'm not going to ask they be produced then. Okay? regard to penalty anyway? So, something else to 8 I mean this came about based on the summaries, and consider, but I'm more or less responding to what 9 my concern was if you had challenges to those I'm understanding a position to be by New Prime as 10 summaries and what they represent compared to what opposed to something on my own motion. So, with 11 the full audio contains, then the best way to that in mind, do you want to proceed as is with just 12 12 evaluate that is by having the full audio recording the summaries that are in evidence? 13 13 to compare it to. I'm not, I suppose, sua sponte MR. MCKAY: I understand your ruling, 14 seeking that information out. Since it was being 14 Your Honor, and I'm prepared to proceed. 15 challenged, that's what I thought would be the fair 15 JUDGE COUGHLIN: Okay. All right. Very 16 resolution to it, and with reading Rule 1006 it 16 well. I guess let me do this also, kind of to 17 17 seemed to fall in line with that. If you don't want preserve this colloquy and to the extent I have 18 them in evidence, then I won't ask them to be 18 erred in any way in my ruling and my assessment of 19 produced, and I won't take them either. But I just 19 this. I'm always mindful of a reviewing authority 20 wanted you to know what my posture is. I'm not as well, so that they have the full picture before 21 seeking out more things to add. It was really in them should anyone appeal my decision. So, with 22 response to what I thought I understood there to be 22 that in mind, my inclination is to not admit into 214 215 1 1 evidence this email that you've supplied me a copy MR. MCKAY: Very well. 2 2 with and Ms. Jackson, but I do think it would be JUDGE COUGHLIN: Very well. I'll hold 3 appropriate to make it a part of the overall case 3 onto this. Please go ahead. 4 BY MR. MCKAY: record distinct from the evidentiary record that I'll be using so that if there was a challenge to my 5 Q Special Agent Callaghan, are you still 6 ruling on this issue, a reviewing authority would 6 with us? 7 have this to look at as well in evaluating my ruling 7 A Yes, I'm here. I had a hard time finding

8 and whether or not I committed error in making it. 9 This is, I think, it adds some context, it was 10 discussed, and although I wouldn't consider it in my 11 decision, I think it's appropriate to include it as 12 part of the case record so that if someone has to 13 review my ruling they have this too to look at. 14 Does that seem fair? 15 MS. JACKSON: Yes. 16 MR. MCKAY: I agree with that, Your 17 Honor. 18 JUDGE COUGHLIN: So, I'm going to hold

onto this. I'll talk with Michael and Alyssa about

evidentiary record that I'm going to be relying on

making it part of our case record separate from the

8 the mic button. I'm back, yes, thank you. 9 Q Do you recall the date of the Prime 10 trailer fire in Idaho which was part of EPAs 11 investigation? 12 Α September. I don't know the specific 13 date. 14 Q Do you know what day of the week and 15 approximately what time of day the fire occurred? 16 A I do not recall the day of the week, but 17 it was in the early morning. 18 Q Is it your understanding that there were 19 many emergency responders and local regulators that

were communicating on September 27, 2015 regarding

MS. JACKSON: Sorry, Your Honor. I have

the fire and the events involving the fire?

21

22

22 when I make my decision.

- 1 a quick objection.
- 2 JUDGE COUGHLIN: Okay.
- 3 MS. JACKSON: Forgive me if I'm a little
- 4 out of line here, but I think this is beyond the
- scope of what he testified to on direct, and, again,
- we've had conversations about this, we've really
- 7 limited Mr. Callaghan's testimony because he is
- virtual, and because he obviously is not our penalty
- witness that the scope of his testimony was really
- 10 to authenticate the records, speak to their
- 11 admissibility, but not necessary to rehash the
- 12 criminal investigation. That's not what we directed
- 13 him about on our direct. So, I think this goes
- 14 beyond the scope. I'm also not sure how deep you
- 15 plan on going, if it's just the surface level. But
- 16 that's my objection. It's just beyond the scope of
- 17 what he was brought here to testify to.
- 18 MR. MCKAY: So, the questions that I have
- 19 are all contained within the four corners of the
- various exhibits that the EPA has offered through
- 21 this witness. This witness testified (audio
- 22 interference) has reviewed and has familiarity with.

- 1 I'm about to show him a document, or an exhibit that
- EPA offered into evidence through this witness that
- goes right to this question that I just asked about
- the presence of emergency responders and local
- regulators at the fire scene.
- JUDGE COUGHLIN: Okay. On that basis,
- I'll overrule the objection. Go ahead.
- 8 BY MR. MCKAY:
- 9 Q Special Agent Callaghan, you can answer
- 10
- 11 A Mr. McKay, would you mind asking the
- 12 question again?
- 13 Q Is it your understanding that there were
- 14 many emergency responders and local regulators that
- 15 were communicating on September 27, 2015, the day
- that the fire -- regarding the events that were
- 17 happening on the ground?
- 18 A I don't like the word many. There were
- 19 emergency responders that responded to the scene and
- 20 formed an incident command system.
- 21 Q You take issue with the word many, is
- 22 that what I understood to say?

- 1 A Yes.
- 2 Let's take a look at Respondent's Exhibit
- 3 3, which has been admitted by stipulation and which
- 4 is also part of Complainant's Exhibit 7. Do you
- 5 have the Respondent's Exhibit 3, or do you only have
- 6 the Complainant's exhibits, Special Agent Callaghan?
- 7 A I'm checking now. I do have CEX3, Mr.
- 8 McKay.
- 9 JUDGE COUGHLIN: RX3, Mr. Callaghan?
- 10 THE WITNESS: Thank you, Your Honor. I
- 11 only have CEX3, it looks like.
- 12 MR. MCKAY: Let's do it this way. Let's
- 13 have you turn to Complainant's Exhibit 7. Tell me
- 14 when you have that exhibit in front of you.
- 15 THE WITNESS: I have CEX7 in front of my.
- 16 BY MR. MCKAY:
- 17 Q Can you turn to page 7 of that exhibit?
- 18 A I'm at page 7 of the exhibit.
- 19 Q Look at the bottom of that page and tell
- 20 me -- let's go back a step. What is the document
- 21 that we're looking at here, page 7 of Complainant's
- 22 Exhibit 7?

- 1 A This is the Idaho State Communication
- Center Hazmat, is what it's kind of titled. It
- appears to be a record of their involvement in this
- 5 Q Will you tell the Court what the Idaho
- State Communication Center is?
- 7 A The Idaho State Communication Center is
- a one stop shop for incidents that occur in the
- State of Idaho, and it's a notification system where
- 10 events get reported. They come in, and they get
- 11 reported to multiple agencies.
- 12 Q Would you agree with me that at the
- 13 bottom of page 7 of this exhibit there is listed a
- number of people who were contacted regarding this
- 15 incident?
- 16 A Yes.
- 17 Q Including members of the Bureau of
- 18 Homeland Security, DEQ, Health District Region 4,
- 19 RRT Region 4. What is RRT Region 4? What does that
- 20 stand for?
- 21 A I believe that's Regional Response Team.
- 22 Q Would that be a hazardous materials team?

- 1 A I believe that is their hazardous
- 2 materials response team, yes.
- 3 Q Elmore SO, does that stand for Elmore
- 4 Sheriff's Office?
- 5 A I'm not certain.
- 6 Q What is the DHS Director, Brad Richey.
- 7 A I don't know that either. I apologize.
- 8 This is a State notification center, it's not a
- 9 Federal notification center. I don't see any feds
- 10 on here. I apologize for that.
- 11 Q Hang with me. Let's go to the next page,
- 12 then.
- 13 A Page 8?
- 14 Q Page 8.
- 15 A I'm there now.
- 16 Q Anybody from the EPA contacted? Look at
- 17 the top of the page.
- 18 A Thank you. Yes. EPA (audio
- 19 interference).
- Q And how about TSA?
- 21 A I do see TSA there too, correct. Yes.
- 22 Q And a number of other agencies were

- 1 contacted or consulted in connection with this fire.
- 2 Is that a fair statement?
- 3 A Yes.
- 4 Q If you were to turn to page 9 of this
- 5 exhibit. Actually, strike that. Do you know who
- 6 the incident commander was on this fire?
- 7 A Mr. McKay, I believe it was -- you know
- 8 it changes. The incident command system is complex,
- 9 it's based on local and Federal relationships. So,
- 10 I think that changed over time.
- 11 Q Okay. Was the incident commander for a
- 12 period of time, Chief Janousek with the King Hill
- 13 Rural Fire District? Do you agree with that? Or do
- 14 you not know?
- 15 A I don't know from this information that's
- 16 in front of me who the incident commander was,
- 17 unless you can point that out to me. I'm not seeing
- 18 that -- I can tell you that Janousek was. I know at
- 19 one time, the one I do know was Colin Bonner.
- 20 Q Let's stay, then, on page 8. Do you see
- 21 the entry at 3:40 a.m. on that day?
- 22 A Yes.

- ${f 1}$ ${f Q}$ It references that conference call
- 2 occurring at that time? Is that correct?
- 3 A Yes. I see a full conference call. Yes.
- 4 Q Do you see the reference to Derrick
- 5 Janousek, fire chief with King Hill Rural Fire
- 6 District?
- 7 A I do, and I see that he's an incident
- 8 commander there.
- 9 Q So you would agree with me, then, he was
- 10 the incident commander at that time?
- 11 A Yes, that appears to be true.
- 12 Q So, let's look down at the bottom of this
- 13 page. The entry at 4:03. Is that a reference to
- 14 the original response team four that we discussed
- 15 earlier?
- 16 A At 4:03 that starts out, IC confirmed the
- 17 tractor (phonetic)?
- 18 Q Yes, sir.
- 19 A Yes, that appears to be RRT 4 that was
- 20 previously identified on a previous page, page 7.
- 21 Q And you would agree with me that those
- 22 folks that make up Regional Response Team 4 are

- 1 subject matter experts, are they not?
- 2 MS. JACKSON: Objection, Your Honor.
- 3 Speculation.
- 4 JUDGE COUGHLIN: Mr. Callaghan, are you
- 5 independently aware of what their level of expertise
- 6 is?
- 7 THE WITNESS: The RRT 4 team. I don't
- 8 know --
- 9 JUDGE COUGHLIN: Then that's enough.
- 10 That's enough. I'll sustain that.
- 11 MR. MCKAY: I'll ask it a different way.
- 12 JUDGE COUGHLIN: Okay.
- 13 BY MR. MCKAY:
- 14 Q MR. MCKAY: RRT 4 is called out
- 15 when there is a hazardous materials situation
- 16 frequently, right?
- 17 A Correct. That's my understanding.
- 18 Q And they're called out because they then
- 19 make decisions regarding the management of the
- 20 hazardous materials that are at issue, correct?
- 21 MS. JACKSON: Again, objection,
- 22 speculation. I think this goes beyond Mr.

224

- 1 Callaghan's testimony, but I also think you're
- 2 asking him to speculate Idaho's practices.
- 3 JUDGE COUGHLIN: Two things there, but as
- 4 to the second, are you, I mean, do you have personal
- 5 knowledge of any of this, Mr. Callaghan? Would you
- 6 be able to respond to the question as opposed to
- 7 guess? I don't want you to guess, so if you have
- 8 independent knowledge and you can respond, that's
- ⁹ fine, and I'll rule accordingly. If you don't, then
- 10 I need to know that too and rule accordingly.
- 11 THE WITNESS: Your Honor, the first
- 12 approximately 10 years of my life, I -- and please
- 13 cut me off if you start to feel like this is
- 14 uncomfortable. But for the first 10 years of my
- 15 life this was my world, hazmat response and
- 16 responding to incidents on the side of the road.
- 17 Then the next 14 I've been a Special Agent. So,
- when somebody asks me the question, is RRT a subject
- 19 matter expert? I think the question needs to be
- 20 more specific because they may be the expert at some
- 21 point in the response and not another part of the
- 22 response.

- JUDGE COUGHLIN: Okay. But do you have
- 2 the requisite knowledge to be able to answer that,
- 3 I guess based on your earlier experience?
- 4 THE WITNESS: What was the specific
- 5 question again, Mr. McKay?
- 6 MR. MCKAY: I think you were mentioning
- 7 my other question. The question that's before you
- 8 now is whether RRT 4 is called out to hazardous
- 9 material situations, and I think you indicated they
- are. So, the follow-up question, which I think
- we're hung up on here, is whether the RRT 4 is
- 12 called out because they are looked to to make
- 13 decisions regarding the management of those
- 14 hazardous materials.
- JUDGE COUGHLIN: Before you answer,
- 16 because there is an objection, so I need to rule.
- 17 So, before you answer, one of my preliminary
- 18 questions to you was, do you have the knowledge to
- 19 be able to answer that question as opposed to guess
- 20 or surmise, because from an evidentiary standpoint
- 21 they're different things. Do I understand from what
- 22 you said earlier about your experience in hazmat

226

- 1 that you would be able to answer this question based
- 2 on personal knowledge or not?
- 3 THE WITNESS: Yes, I can answer this
- 4 based on personal knowledge.
- 5 JUDGE COUGHLIN: Hold on just a second.
- 6 Let me just rule on the objection. I'll overrule
- 7 the objection. You can certainly answer. Go ahead,
- 8 Mr. Callaghan, thank you.
- 9 THE WITNESS: Yes, the RRT would have the
- 10 expertise at some level to make decisions regarding
- 11 the incident, the hazmat incident, if they have all
- 12 the correct information, too.
- 13 BY MR. MCKAY:
- Q Let's turn to page 9 of this same
- 15 exhibit.
- 16 A I'm there on 9.
- 17 Q I'm going to direct your attention to the
- 18 last couple of chronological entries on this page.
- 19 Do you see reference to a conference call at 6:25
- 20 a.m.?
- A I do see that one starting at 6:25, yes.
- Q Okay. And would you agree with me that

- 1 there was a hazmat duty officer, Autumn White
- 2 (phonetic) who participated in the conference call
- 3 along with a DEQ representative?
- 4 A Yes, I do see that and agree with that.
 - Q Do you see reference to Darrel Redding
- 6 (phonetic) or Regional Response Team 4?
- 7 A Yes.
- 8 Q A little further down, does it indicate
- 9 that Regional Response Team 4 was actually on scene
- 10 at the time that this fire was being managed?
 - A Yes, they are on scene.
- 12 Q What's the last entry that you see on
- 13 this page?

- 14 A At 0630, correction at 0630 Autumn White
- 15 advising incident will remain at level 2, and Bobby
- 16 Dye (phonetic) agrees.
- 17 Q And if you turn to the next page, page 10
- 18 of this exhibit, would you agree with me that moves
- on, that's a different document, is it not?
- 20 A Yes. This appears to be an Idaho State
- 21 Police record.
- 22 Q Are you aware of whether Idaho DEQ was

228 229

1 consulted regarding the hiring of the company that performed the cleanup that morning?

3 A No. I do not believe that the Idaho DEQ 4 had any input on the cleanup contractor that was

used that morning. I don't recall that. Q Do you have any information that the

7 Idaho State Police captain on scene, Captain on scene Kevin Bonner (phonetic), whether he consulted 9 with Idaho DEQ about the ability of the company that

10 was hired to perform the clean up?

11 A No. And I apologize. In preparation for 12 my work here today, I did not anticipate this scope 13 of questioning, so I don't know the answer to that 14 question.

15 JUDGE COUGHLIN: Let me just ask you 16 this, because I meant to address it, and frankly I 17 got off track with the second piece of your 18 objection, Ms. Jackson, which had to do with scope 19 and beyond the scope of direct. I'm a copious note

20 taker, but sadly, with regard to CEX7, I didn't make

21 notes as to whether this was a document that you had 22 reviewed as part of your affidavit or had otherwise

1 been familiar with. So, can you tell me whether

this was a document that you reviewed as part of

your affidavit or whether you had independent

familiarity with it?

5 THE WITNESS: Your Honor, I did review this for -- I did review this cursory. I recognize

it as an IAR. I recognize it as an official

document. I'm looking at 7 again now. I pursued

this quickly, this entire document to be able to say

10 that I did. I didn't memorize or retain specific

information because I didn't believe that that was

12 what was asked of me.

13 JUDGE COUGHLIN: Okay. And you weren't 14 otherwise familiar, in some of the other IARs I

15 think you had offered that you might've been present

for an interview or you had been familiar with it

17 independent of reviewing it. So, this falls under

18 the pure just reviewed category, is that right? 19 THE WITNESS: Yes, I think so. And even

20 the one that I was present at. Your Honor, for the

purpose of what I thought was asked of me by the

22 EPA, it was to review these as the custodian of

230

3

1

it's just that I recognize the distinction here. MR. MCKAY: I mean, I think it's becoming

detailed questions you're asking. I mean, go ahead,

abundantly clear, and I will say this, let me also say, maybe, this is a preliminary matter, I have a

great deal of respect for Special Agent Callaghan.

I know him context, you heard that through my

questioning of him and aid of objection. When EPA

proposed him as a substitute witness for Agent

Mugleston and then submitted an affidavit that said 10

11 that he had co-responsibility for this case, I

12 expected that he would be in a position to testify

13 substantively to the documents that are at issue

here. It's become very clear, and I think this has

15 prompted the Court to say now what it says, that he

16 doesn't know what's reflected in these documents, he

17 doesn't recall what, some parts he may have been a

part of some years ago. I can conclude my

19 questioning and go at it a different way through

20 potentially a different witness later on in this

21 case.

22 JUDGE COUGHLIN: I mean, it's up to you,

1 record, such that I could speak to them and say that

2 these are true and authentic records that the EPA

3 maintained in the course of their normal business.

4 | I apologize, I did not get into the minutia and the

5 details and try to get myself back up to speed with

6 65 IARs from a case that I investigated seven years

7

8 JUDGE COUGHLIN: Okay. Understood, and 9 thank you. So, there in evidence over your

10 objections, and I want you to have the opportunity

11 to question the witness about them. But recognizing

12 that largely there doesn't seem to be any personal

13 knowledge as to some of the pertinent facts in here 14 that you were focused on. I think it may be to some

15 extent pointless, but I want you to have the chance

16 to question because they are in evidence. If this

17 is a witness who reviewed them for purposes of 18 saying, this is what I do, they're business records,

they can come in under that even though author them

and wasn't otherwise involved in to alleged facts

21 coming out of the content, then I don't know to what 22 extent he could truly be responsive to some of the

232

- 1 because I understand what the challenges are, and I
- 2 think it's certainly appropriate for you to bring
- 3 those to light as part of your presentation. I
- 4 guess I just want it to be very clear, Mr.
- 5 Callaghan, that to separate out your desire to want
- 6 to answer and supply information from what you
- 7 actually know and were truly involved in during
- 8 this. I appreciate the position that you're in and
- 9 the circumstances that the region faced with what
- 10 was available to them to present when it came time
- 11 to hearing. So, I'm cognizant of all that. I just
- 12 want the record to be very clear about what you were
- 13 actually involved in versus what you simply reviewed
- 14 as a matter of course to be able to say, yes, this
- 15 is a business record, this is what we typically do
- 16 when we generate these reports. But in terms of
- 17 knowledge or recollection of the particular facts
- that are being pulled out, if they are not present,
- 19 that's something I need to know, and those
- 20 distinctions need to be made. I think that that's
- 21 the point of Mr. McKay's questions to you, so it's
- 22 sufficient enough for you to just kind of let me

- 1 know where that knowledge base is, if it's there at
- 2 all? Does that make sense to you?
- 3 THE WITNESS: I think so, Your Honor. I
- 4 think so.
- 5 JUDGE COUGHLIN: I appreciate you being
- 6 here too. I'm not trying to be critical of you or
- 7 either side, really, it's just where we are right
- 8 now with things. Go ahead.
- 9 MR. MCKAY: May I have just a minute to
- 10 consult with my co-counsel?
- JUDGE COUGHLIN: Sure.
- 12 BY MR. MCKAY:
 - Q Special Agent Callaghan, I'm about at the
- 14 end here. Let me just conclude here by asking if
- 15 you know Kelly O'Neill.
 - A Yes, I do.
- Q Do you know he was retained as an
- 18 investigator by my firm to work on this case?
- 19 A Yes, I am.
- 20 Q He was your supervisor for a period of
- 21 time?

13

16

A He was my co-worker and friend and then

- 1 he became my supervisor, yes, and we're still
- 2 friends.
- 3 Q He's somebody that you respect personally
- 4 and professionally?
- 5 A Absolutely.
- 6 Q He's someone you know to have integrity?
- 7 A Absolutely.
- 8 MR. MCKAY: That's all I have, Your
- 9 Honor.
- 10 JUDGE COUGHLIN: All right. Thank you.
- 11 Redirect?
- 12 MS. JACKSON: Redirect?
- JUDGE COUGHLIN: Absolutely.
- 14 REDIRECT EXAMINATION
- 15 BY MS. JACKSON:
- 16 Q Mr. Callaghan, just a couple quick
- 17 questions. Just getting back to your role as
- 18 records custodian for EPA and as a Special Agent.
- 19 Do you have any reason to question the reliability
- 20 or the truth and accuracy of any of the IARs that
- 21 you helped submit into evidence today?
- A No. In fact, we just talked about Kelly

- 1 O'Neill who I admire and trust, as I've already
- 2 stated for the record. But again, Mugleston too was
- 3 an outstanding agent, and his record keeping was
- 4 some of the best. I actually modeled my own self
- 5 after his ability to maintain these records, these
- 6 IARs.
- 7 MS. JACKSON: Thank you very much, Mr.
- 8 Callaghan.
- 9 THE WITNESS: Thank you.
- 10 MS. JACKSON: I appreciate you offering
- 11 your testimony today. I think at this point
- 12 Complainant rests unless you have -- sorry, I'll
- 13 give you the opportunity for a redirect.
- 14 JUDGE COUGHLIN: Recross. Go ahead.
- 15 RECROSS EXAMINATION
- 16 BY MR. MCKAY:
- 17 Q Special Agent Callaghan, you were not
- 18 present during Mr. Mugleston's interviews of many of
- 19 these witnesses, correct?
- 20 A That's correct.
- 21 Q And you would not be privy to some of the
- 22 things that Mr. Mugleston may have said to some of

236 237 1 these witnesses, correct? 1 sure of the context of that. I don't know what 2 A That's correct. witness that happened, but I want to tell you that 3 we're criminal investigators, and we're actually Q Would it be appropriate for Special Agent 4 Mugleston to have told a witness that Prime is as trained to lie, and although it's hard for people to 5 understand, we're there to get information from dirty as they come? 6 MS. JACKSON: Objection, Your Honor. folks. He said that because he wanted to solicit an 7 honest answer from somebody. I could see that as an JUDGE COUGHLIN: Hold on one second. 8 MS. JACKSON: Objection. Speculation. investigative technique. We're trained to do that. 9 JUDGE COUGHLIN: Is that something that We don't go up to people and say, hey, I'm an 10 undercover cop here, are you selling drugs? So, I vou're --11 don't know the context of that conversation, and I MR. MCKAY: I'm prepared to prove that. 12 12 think. I can't make a decision whether that would be JUDGE COUGHLIN: I'll overrule. You can 13 13 go ahead and answer. appropriate or not. 14 14 THE WITNESS: I would --MR. MCKAY: That's all the questions I 15 15 MR. MCKAY: Go ahead. have. Thank you. 16 THE WITNESS: Could you ask that guestion 16 JUDGE COUGHLIN: Okay. So, can I release 17 17 Mr. Callaghan, or will he possibly be subject to again, Mr. McKay? 18 18 recall on rebuttal? I don't know if you've BY MR. MCKAY? 19 Q Would it be appropriate for Special Agent 19 discussed that with him or not. 20 20 MS. JACKSON: We have discussed it with Mugleston to have said to a witness in this case 21 Mr. Callaghan. Can I discuss it real quick with my that Prime is as dirty as they come? 22 22 co-counsel? A So, what I'll say to that is, I'm not 238 239 1 1 JUDGE COUGHLIN: Sure. MR. RYAN: Ten minutes would be. 2 2 MS. JACKSON: Your Honor, I doubt we're JUDGE COUGHLIN: All right. Why don't we 3 going to call him, but can we leave it open to call 3 come back around 3:00-ish, and I'll see you all 4 him on rebuttal if needed depending on what's then. 5 5 presented during Respondent's case in chief? (Whereupon, the above-entitled matter 6 JUDGE COUGHLIN: Sure. Mr. Callaghan, went off the record at 2:51 p.m. and resumed at 3:06 7 you're prepared to possibly be recalled as a witness 7 8 8 at some point during this week? JUDGE COUGHLIN: Okay, back on record 9 THE WITNESS: Yes, Your Honor. I freed 9 after a brief break, and who's up next? 10 up the week, and I'm available should you need me. 10 MR. FIGUR: Good afternoon. Your Honor. 11 11 JUDGE COUGHLIN: Good afternoon. JUDGE COUGHLIN: Okay. Great. I'll 12 leave that to Ms. Jackson to communicate with you 12 MR. FIGUR: And good afternoon, everyone 13 about whether that's necessary. For now, I'll let 13 else. Complainant would like to call Dr. Bradley 14 you go, and I appreciate your participation today. 14 Miller to the stand, please. 15 THE WITNESS: Thank you, Your Honor. 15 JUDGE COUGHLIN: All right. Do you 16 JUDGE COUGHLIN: Bye-bye. 16 solemnly swear or affirm that the testimony you are 17 MR. RYAN: Your Honor. 17 about to give in these proceedings to be the truth? 18 JUDGE COUGHLIN: Yes. 18 MR. MILLER: Yes. 19 MR. RYAN: May we request a five minute 19 JUDGE COUGHLIN: Thank you, please be 20 break? 20 seated. The witness has been sworn. 21 JUDGE COUGHLIN: Absolutely. I think 21 MR. FIGUR: Thank you. Could you please 22 that's a great idea. Would you like 10 minutes? 22 state your name for the record?

	240		241
1	MR. MILLER: Bradley Warren Miller.	1	time, EPA investigators asked staff at NEIC if they
2	MR. FIGUR: And please state your title	2	would go perform the inspection to determine whether
3	and where you work.	3	any of the material in the 32 drums that were
4	MR. MILLER: I work at the National	4	transported to the Salt Lake City facility 32 55-
5	Enforcement Investigation Center. I'm the Principal	5	gallon drums if any of the material in those 32
6	Analytical Chemist.	6	drums might be a characteristic hazardous waste.
7	MR. FIGUR: And are you being paid for	7	The NEIC staff went out and sampled all
8	your testimony today?	8	32 drums and made a preliminary determination that
9	MR. MILLER: No, just my regular	9	20 of those drums contained material that was
10	government salary.	10	consistent with one of the products listed in the
11	MR. FIGUR: Can you please tell us a	11	safety data sheet. That product was called universal
12	little about what you know about this case?	12	urethane yellow primer. So for the remainder of my
13	MR. MILLER: So what I know is that a	13	testimony, I'll refer to that as the yellow primer.
14	trailer had caught on fire. The trailer was carrying	14	The NEIC field staff then took samples
15	products for PP&G products. According to the	15	from eight of those drums and returned those to the
16	shipping manifest, safety data sheets that were in	16	laboratory. NEIC laboratory staff performed a
17	the manifest, there were four products in that	17	variety of different analyses on that material and
18	trailer. After the trailer caught on fire, the	18	confirmed that the chromium in the eight samples
19	material was transported from Idaho to Salt Lake	19	that were returned to the lab exceeded the
20	City, Utah crimes facility.	20	regulatory limit established under the Resource
21	The material was stored outside until EPA	21	Conservation and Recovery Act to qualify it as a
22	investigators became aware of the material. At that	22	hazardous waste with the toxicity characteristic for
	242		243
1	242 chromium.	1	243 MR. MILLER: I don't have it here. I can
1 2		1 2	
	chromium.		MR. MILLER: I don't have it here. I can
2	chromium. During the laboratory analysis, NEIC	2	MR. MILLER: I don't have it here. I can see it over there. Okay.
2	chromium. During the laboratory analysis, NEIC staff also tested the material and determined in	2 3	MR. MILLER: I don't have it here. I can see it over there. Okay. MR. FIGUR: Did it show up?
2 3 4	chromium. During the laboratory analysis, NEIC staff also tested the material and determined in addition to being a hazardous waste with the	2 3 4	MR. MILLER: I don't have it here. I can see it over there. Okay. MR. FIGUR: Did it show up? MR. MILLER: No, I do not have it here. I
2 3 4 5	chromium. During the laboratory analysis, NEIC staff also tested the material and determined in addition to being a hazardous waste with the characteristic of toxicity, the material also	2 3 4 5	MR. MILLER: I don't have it here. I can see it over there. Okay. MR. FIGUR: Did it show up? MR. MILLER: No, I do not have it here. I only see it on his computer screen.
2 3 4 5 6	chromium. During the laboratory analysis, NEIC staff also tested the material and determined in addition to being a hazardous waste with the characteristic of toxicity, the material also flashed such that it would carry the hazardous waste	2 3 4 5	MR. MILLER: I don't have it here. I can see it over there. Okay. MR. FIGUR: Did it show up? MR. MILLER: No, I do not have it here. I only see it on his computer screen. JUDGE COUGHLIN: Can you see this? I don't
2 3 4 5 6 7	chromium. During the laboratory analysis, NEIC staff also tested the material and determined in addition to being a hazardous waste with the characteristic of toxicity, the material also flashed such that it would carry the hazardous waste characteristic of ignitability, as well.	2 3 4 5 6 7	MR. MILLER: I don't have it here. I can see it over there. Okay. MR. FIGUR: Did it show up? MR. MILLER: No, I do not have it here. I only see it on his computer screen. JUDGE COUGHLIN: Can you see this? I don't know if this is in your way. Can you see this?
2 3 4 5 6 7 8	chromium. During the laboratory analysis, NEIC staff also tested the material and determined in addition to being a hazardous waste with the characteristic of toxicity, the material also flashed such that it would carry the hazardous waste characteristic of ignitability, as well. MR. FIGUR: Dr. Miller, can you please	2 3 4 5 6 7 8	MR. MILLER: I don't have it here. I can see it over there. Okay. MR. FIGUR: Did it show up? MR. MILLER: No, I do not have it here. I only see it on his computer screen. JUDGE COUGHLIN: Can you see this? I don't know if this is in your way. Can you see this? MR. MILLER: Yes, I can see that.
2 3 4 5 6 7 8	chromium. During the laboratory analysis, NEIC staff also tested the material and determined in addition to being a hazardous waste with the characteristic of toxicity, the material also flashed such that it would carry the hazardous waste characteristic of ignitability, as well. MR. FIGUR: Dr. Miller, can you please explain how you came to be testifying here today?	2 3 4 5 6 7 8 9	MR. MILLER: I don't have it here. I can see it over there. Okay. MR. FIGUR: Did it show up? MR. MILLER: No, I do not have it here. I only see it on his computer screen. JUDGE COUGHLIN: Can you see this? I don't know if this is in your way. Can you see this? MR. MILLER: Yes, I can see that. JUDGE COUGHLIN: I can go off of if
2 3 4 5 6 7 8 9	chromium. During the laboratory analysis, NEIC staff also tested the material and determined in addition to being a hazardous waste with the characteristic of toxicity, the material also flashed such that it would carry the hazardous waste characteristic of ignitability, as well. MR. FIGUR: Dr. Miller, can you please explain how you came to be testifying here today? MR. MILLER: I was asked by the case team	2 3 4 5 6 7 8 9	MR. MILLER: I don't have it here. I can see it over there. Okay. MR. FIGUR: Did it show up? MR. MILLER: No, I do not have it here. I only see it on his computer screen. JUDGE COUGHLIN: Can you see this? I don't know if this is in your way. Can you see this? MR. MILLER: Yes, I can see that. JUDGE COUGHLIN: I can go off of if that's
2 3 4 5 6 7 8 9 10	chromium. During the laboratory analysis, NEIC staff also tested the material and determined in addition to being a hazardous waste with the characteristic of toxicity, the material also flashed such that it would carry the hazardous waste characteristic of ignitability, as well. MR. FIGUR: Dr. Miller, can you please explain how you came to be testifying here today? MR. MILLER: I was asked by the case team whether or not I might render an opinion as to	2 3 4 5 6 7 8 9 10	MR. MILLER: I don't have it here. I can see it over there. Okay. MR. FIGUR: Did it show up? MR. MILLER: No, I do not have it here. I only see it on his computer screen. JUDGE COUGHLIN: Can you see this? I don't know if this is in your way. Can you see this? MR. MILLER: Yes, I can see that. JUDGE COUGHLIN: I can go off of if that's MR. MILLER: Yeah, it just popped up.
2 3 4 5 6 7 8 9 10 11 12 13 14	chromium. During the laboratory analysis, NEIC staff also tested the material and determined in addition to being a hazardous waste with the characteristic of toxicity, the material also flashed such that it would carry the hazardous waste characteristic of ignitability, as well. MR. FIGUR: Dr. Miller, can you please explain how you came to be testifying here today? MR. MILLER: I was asked by the case team whether or not I might render an opinion as to whether or not the material in 12 of the drums which	2 3 4 5 6 7 8 9 10 11 12 13 14	MR. MILLER: I don't have it here. I can see it over there. Okay. MR. FIGUR: Did it show up? MR. MILLER: No, I do not have it here. I only see it on his computer screen. JUDGE COUGHLIN: Can you see this? I don't know if this is in your way. Can you see this? MR. MILLER: Yes, I can see that. JUDGE COUGHLIN: I can go off of if that's MR. MILLER: Yeah, it just popped up. JUDGE COUGHLIN: It did, okay, great. Let me just flip this around. MR. MILLER: Thank you.
2 3 4 5 6 7 8 9 10 11 12	chromium. During the laboratory analysis, NEIC staff also tested the material and determined in addition to being a hazardous waste with the characteristic of toxicity, the material also flashed such that it would carry the hazardous waste characteristic of ignitability, as well. MR. FIGUR: Dr. Miller, can you please explain how you came to be testifying here today? MR. MILLER: I was asked by the case team whether or not I might render an opinion as to whether or not the material in 12 of the drums which samples were not returned to NEIC, whether or not they might be characteristic hazardous waste. MR. FIGUR: Thank you. Before discussing	2 3 4 5 6 7 8 9 10 11 12 13 14 15	MR. MILLER: I don't have it here. I can see it over there. Okay. MR. FIGUR: Did it show up? MR. MILLER: No, I do not have it here. I only see it on his computer screen. JUDGE COUGHLIN: Can you see this? I don't know if this is in your way. Can you see this? MR. MILLER: Yes, I can see that. JUDGE COUGHLIN: I can go off of if that's MR. MILLER: Yeah, it just popped up. JUDGE COUGHLIN: It did, okay, great. Let me just flip this around. MR. MILLER: Thank you. MR. FIGUR: Technical difficulty solved,
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	chromium. During the laboratory analysis, NEIC staff also tested the material and determined in addition to being a hazardous waste with the characteristic of toxicity, the material also flashed such that it would carry the hazardous waste characteristic of ignitability, as well. MR. FIGUR: Dr. Miller, can you please explain how you came to be testifying here today? MR. MILLER: I was asked by the case team whether or not I might render an opinion as to whether or not the material in 12 of the drums which samples were not returned to NEIC, whether or not they might be characteristic hazardous waste. MR. FIGUR: Thank you. Before discussing any work you conducted, let's briefly turn to your	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	MR. MILLER: I don't have it here. I can see it over there. Okay. MR. FIGUR: Did it show up? MR. MILLER: No, I do not have it here. I only see it on his computer screen. JUDGE COUGHLIN: Can you see this? I don't know if this is in your way. Can you see this? MR. MILLER: Yes, I can see that. JUDGE COUGHLIN: I can go off of if that's MR. MILLER: Yeah, it just popped up. JUDGE COUGHLIN: It did, okay, great. Let me just flip this around. MR. MILLER: Thank you. MR. FIGUR: Technical difficulty solved, but I was debating whether or not to mention that
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	chromium. During the laboratory analysis, NEIC staff also tested the material and determined in addition to being a hazardous waste with the characteristic of toxicity, the material also flashed such that it would carry the hazardous waste characteristic of ignitability, as well. MR. FIGUR: Dr. Miller, can you please explain how you came to be testifying here today? MR. MILLER: I was asked by the case team whether or not I might render an opinion as to whether or not the material in 12 of the drums which samples were not returned to NEIC, whether or not they might be characteristic hazardous waste. MR. FIGUR: Thank you. Before discussing any work you conducted, let's briefly turn to your qualifications for a moment. Have you prepared a	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	MR. MILLER: I don't have it here. I can see it over there. Okay. MR. FIGUR: Did it show up? MR. MILLER: No, I do not have it here. I only see it on his computer screen. JUDGE COUGHLIN: Can you see this? I don't know if this is in your way. Can you see this? MR. MILLER: Yes, I can see that. JUDGE COUGHLIN: I can go off of if that's MR. MILLER: Yeah, it just popped up. JUDGE COUGHLIN: It did, okay, great. Let me just flip this around. MR. MILLER: Thank you. MR. FIGUR: Technical difficulty solved, but I was debating whether or not to mention that this might be our first technical difficulty-free
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	chromium. During the laboratory analysis, NEIC staff also tested the material and determined in addition to being a hazardous waste with the characteristic of toxicity, the material also flashed such that it would carry the hazardous waste characteristic of ignitability, as well. MR. FIGUR: Dr. Miller, can you please explain how you came to be testifying here today? MR. MILLER: I was asked by the case team whether or not I might render an opinion as to whether or not the material in 12 of the drums which samples were not returned to NEIC, whether or not they might be characteristic hazardous waste. MR. FIGUR: Thank you. Before discussing any work you conducted, let's briefly turn to your	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	MR. MILLER: I don't have it here. I can see it over there. Okay. MR. FIGUR: Did it show up? MR. MILLER: No, I do not have it here. I only see it on his computer screen. JUDGE COUGHLIN: Can you see this? I don't know if this is in your way. Can you see this? MR. MILLER: Yes, I can see that. JUDGE COUGHLIN: I can go off of if that's MR. MILLER: Yeah, it just popped up. JUDGE COUGHLIN: It did, okay, great. Let me just flip this around. MR. MILLER: Thank you. MR. FIGUR: Technical difficulty solved, but I was debating whether or not to mention that this might be our first technical difficulty-free witness.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	chromium. During the laboratory analysis, NEIC staff also tested the material and determined in addition to being a hazardous waste with the characteristic of toxicity, the material also flashed such that it would carry the hazardous waste characteristic of ignitability, as well. MR. FIGUR: Dr. Miller, can you please explain how you came to be testifying here today? MR. MILLER: I was asked by the case team whether or not I might render an opinion as to whether or not the material in 12 of the drums which samples were not returned to NEIC, whether or not they might be characteristic hazardous waste. MR. FIGUR: Thank you. Before discussing any work you conducted, let's briefly turn to your qualifications for a moment. Have you prepared a curriculum vitae? MR. MILLER: Yes.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	MR. MILLER: I don't have it here. I can see it over there. Okay. MR. FIGUR: Did it show up? MR. MILLER: No, I do not have it here. I only see it on his computer screen. JUDGE COUGHLIN: Can you see this? I don't know if this is in your way. Can you see this? MR. MILLER: Yes, I can see that. JUDGE COUGHLIN: I can go off of if that's MR. MILLER: Yeah, it just popped up. JUDGE COUGHLIN: It did, okay, great. Let me just flip this around. MR. MILLER: Thank you. MR. FIGUR: Technical difficulty solved, but I was debating whether or not to mention that this might be our first technical difficulty-free witness. JUDGE COUGHLIN: No problem.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	chromium. During the laboratory analysis, NEIC staff also tested the material and determined in addition to being a hazardous waste with the characteristic of toxicity, the material also flashed such that it would carry the hazardous waste characteristic of ignitability, as well. MR. FIGUR: Dr. Miller, can you please explain how you came to be testifying here today? MR. MILLER: I was asked by the case team whether or not I might render an opinion as to whether or not the material in 12 of the drums which samples were not returned to NEIC, whether or not they might be characteristic hazardous waste. MR. FIGUR: Thank you. Before discussing any work you conducted, let's briefly turn to your qualifications for a moment. Have you prepared a curriculum vitae? MR. MILLER: Yes. MR. FIGUR: Please display Dr. Miller's	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	MR. MILLER: I don't have it here. I can see it over there. Okay. MR. FIGUR: Did it show up? MR. MILLER: No, I do not have it here. I only see it on his computer screen. JUDGE COUGHLIN: Can you see this? I don't know if this is in your way. Can you see this? MR. MILLER: Yes, I can see that. JUDGE COUGHLIN: I can go off of if that's MR. MILLER: Yeah, it just popped up. JUDGE COUGHLIN: It did, okay, great. Let me just flip this around. MR. MILLER: Thank you. MR. FIGUR: Technical difficulty solved, but I was debating whether or not to mention that this might be our first technical difficulty-free witness. JUDGE COUGHLIN: No problem. MR. FIGUR: Do you recognize this
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	chromium. During the laboratory analysis, NEIC staff also tested the material and determined in addition to being a hazardous waste with the characteristic of toxicity, the material also flashed such that it would carry the hazardous waste characteristic of ignitability, as well. MR. FIGUR: Dr. Miller, can you please explain how you came to be testifying here today? MR. MILLER: I was asked by the case team whether or not I might render an opinion as to whether or not the material in 12 of the drums which samples were not returned to NEIC, whether or not they might be characteristic hazardous waste. MR. FIGUR: Thank you. Before discussing any work you conducted, let's briefly turn to your qualifications for a moment. Have you prepared a curriculum vitae? MR. MILLER: Yes.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	MR. MILLER: I don't have it here. I can see it over there. Okay. MR. FIGUR: Did it show up? MR. MILLER: No, I do not have it here. I only see it on his computer screen. JUDGE COUGHLIN: Can you see this? I don't know if this is in your way. Can you see this? MR. MILLER: Yes, I can see that. JUDGE COUGHLIN: I can go off of if that's MR. MILLER: Yeah, it just popped up. JUDGE COUGHLIN: It did, okay, great. Let me just flip this around. MR. MILLER: Thank you. MR. FIGUR: Technical difficulty solved, but I was debating whether or not to mention that this might be our first technical difficulty-free witness. JUDGE COUGHLIN: No problem.

	244		245
1	MR. FIGUR: And what is it?	1	Miller's CV, is admitted into evidence.
2	MR. MILLER: It is the CV I prepared.	2	MR. FIGUR: Now let's turn to your
3	MR. FIGUR: You did prepare it. Is this a	3	qualifications and a little bit of your educational
4	true and accurate copy of your CV?	4	history. Did you attend college, and if so, please
5	MR. MILLER: I believe so. If you scroll	5	explain when and where and the degrees you received.
6	down, I'll	6	MR. MILLER: Yes, I went to Mount Olive
7	MR. FIGUR: Oh that's right, sorry. You	7	College. I received a Bachelor's of Science in
8	couldn't see the last time unless Tribett scrolled.	8	Biology, and that was in 1998. It's located in Mount
9	MR. MILLER: It's a very long CV, yes.	9	Olive, North Carolina.
10	MR. FIGUR: And Your Honor, for the	10	MR. FIGUR: Did you perform any work
11	purposes of clarity in the exhibit record, I note	11	during college related to analytical chemistry?
12	that Dr. Miller's CV also is attaching to the	12	MR. MILLER: Yes. While I was in college
13	document marked as Complainant's Exhibit 75, but we	13	I held an internship with the State of North
14	are moving to enter this independently as Exhibit	14	Carolina, where I did water quality tests on
15	78. So now I'd like to move to enter this as	15	nutrients on public lands.
16	Complainant's Exhibit 78.	16	MR. FIGUR: Did you attend graduate
17	JUDGE COUGHLIN: Okay. I was going to ask	17	school?
18	you about that, because my numbering ended at 77. So	18	MR. MILLER: Yes, I did.
19	this had been the appendix to 75 and now it's its	19	MR. FIGUR: Did you get a Master's degree?
20	own exhibit as 78. Okay, all right.	20	MR. MILLER: Yes, I received a Master's
21	MR. RYAN: No objection, Your Honor.	21	degree from Appalachian State University that's
22	JUDGE COUGHLIN: Okay, CEX78, which is Dr.	22	located in Boone, North Carolina. I received a
	246		247
1	246 Master's of Science in Biology, and that was awarded	1	
1 2		1 2	
	Master's of Science in Biology, and that was awarded		chemistry work during this time?
2	Master's of Science in Biology, and that was awarded or earned in 2007.	2	chemistry work during this time? MR. MILLER: I did. I performed a variety
3	Master's of Science in Biology, and that was awarded or earned in 2007. MR. FIGUR: Did you conduct any analytical	2	chemistry work during this time? MR. MILLER: I did. I performed a variety of chemical analyses. I don't know if I actually
2 3 4 5 6	Master's of Science in Biology, and that was awarded or earned in 2007. MR. FIGUR: Did you conduct any analytical chemistry work during this time? MR. MILLER: Yes. During my Master's work, I quantified nitrogen, phosphorous and potassium	2 3 4 5 6	chemistry work during this time? MR. MILLER: I did. I performed a variety of chemical analyses. I don't know if I actually mentioned my PhD is in Forestry. I was trained as a soil as a soil chemist in the Forestry Department. Among the analytical research I did during my PhD
2 3 4 5	Master's of Science in Biology, and that was awarded or earned in 2007. MR. FIGUR: Did you conduct any analytical chemistry work during this time? MR. MILLER: Yes. During my Master's work, I quantified nitrogen, phosphorous and potassium concentrations in tree seedlings and fungi. This	2 3 4 5	chemistry work during this time? MR. MILLER: I did. I performed a variety of chemical analyses. I don't know if I actually mentioned my PhD is in Forestry. I was trained as a soil as a soil chemist in the Forestry Department. Among the analytical research I did during my PhD work was to quantify both inorganic and organic
2 3 4 5 6 7 8	Master's of Science in Biology, and that was awarded or earned in 2007. MR. FIGUR: Did you conduct any analytical chemistry work during this time? MR. MILLER: Yes. During my Master's work, I quantified nitrogen, phosphorous and potassium concentrations in tree seedlings and fungi. This work was done in support of habitat restoration of	2 3 4 5 6 7 8	chemistry work during this time? MR. MILLER: I did. I performed a variety of chemical analyses. I don't know if I actually mentioned my PhD is in Forestry. I was trained as a soil as a soil chemist in the Forestry Department. Among the analytical research I did during my PhD work was to quantify both inorganic and organic phosphorous pools and soils in forest plantations.
2 3 4 5 6 7 8 9	Master's of Science in Biology, and that was awarded or earned in 2007. MR. FIGUR: Did you conduct any analytical chemistry work during this time? MR. MILLER: Yes. During my Master's work, I quantified nitrogen, phosphorous and potassium concentrations in tree seedlings and fungi. This work was done in support of habitat restoration of an endangered species in the Southern Appalachian	2 3 4 5 6 7 8 9	chemistry work during this time? MR. MILLER: I did. I performed a variety of chemical analyses. I don't know if I actually mentioned my PhD is in Forestry. I was trained as a soil as a soil chemist in the Forestry Department. Among the analytical research I did during my PhD work was to quantify both inorganic and organic phosphorous pools and soils in forest plantations. I did that by ICPOES analysis,
2 3 4 5 6 7 8 9	Master's of Science in Biology, and that was awarded or earned in 2007. MR. FIGUR: Did you conduct any analytical chemistry work during this time? MR. MILLER: Yes. During my Master's work, I quantified nitrogen, phosphorous and potassium concentrations in tree seedlings and fungi. This work was done in support of habitat restoration of an endangered species in the Southern Appalachian Mountains.	2 3 4 5 6 7 8 9	chemistry work during this time? MR. MILLER: I did. I performed a variety of chemical analyses. I don't know if I actually mentioned my PhD is in Forestry. I was trained as a soil as a soil chemist in the Forestry Department. Among the analytical research I did during my PhD work was to quantify both inorganic and organic phosphorous pools and soils in forest plantations. I did that by ICPOES analysis, Inductively Coupled Plasma Optical Emission
2 3 4 5 6 7 8 9 10	Master's of Science in Biology, and that was awarded or earned in 2007. MR. FIGUR: Did you conduct any analytical chemistry work during this time? MR. MILLER: Yes. During my Master's work, I quantified nitrogen, phosphorous and potassium concentrations in tree seedlings and fungi. This work was done in support of habitat restoration of an endangered species in the Southern Appalachian Mountains. MR. FIGUR: Was any of this work	2 3 4 5 6 7 8 9 10	chemistry work during this time? MR. MILLER: I did. I performed a variety of chemical analyses. I don't know if I actually mentioned my PhD is in Forestry. I was trained as a soil as a soil chemist in the Forestry Department. Among the analytical research I did during my PhD work was to quantify both inorganic and organic phosphorous pools and soils in forest plantations. I did that by ICPOES analysis, Inductively Coupled Plasma Optical Emission Spectroscopy. In addition
2 3 4 5 6 7 8 9 10 11	Master's of Science in Biology, and that was awarded or earned in 2007. MR. FIGUR: Did you conduct any analytical chemistry work during this time? MR. MILLER: Yes. During my Master's work, I quantified nitrogen, phosphorous and potassium concentrations in tree seedlings and fungi. This work was done in support of habitat restoration of an endangered species in the Southern Appalachian Mountains. MR. FIGUR: Was any of this work published?	2 3 4 5 6 7 8 9 10 11	chemistry work during this time? MR. MILLER: I did. I performed a variety of chemical analyses. I don't know if I actually mentioned my PhD is in Forestry. I was trained as a soil as a soil chemist in the Forestry Department. Among the analytical research I did during my PhD work was to quantify both inorganic and organic phosphorous pools and soils in forest plantations. I did that by ICPOES analysis, Inductively Coupled Plasma Optical Emission Spectroscopy. In addition MR. FIGUR: Let's take a quick break for
2 3 4 5 6 7 8 9 10 11 12	Master's of Science in Biology, and that was awarded or earned in 2007. MR. FIGUR: Did you conduct any analytical chemistry work during this time? MR. MILLER: Yes. During my Master's work, I quantified nitrogen, phosphorous and potassium concentrations in tree seedlings and fungi. This work was done in support of habitat restoration of an endangered species in the Southern Appalachian Mountains. MR. FIGUR: Was any of this work published? MR. MILLER: My Master's thesis was	2 3 4 5 6 7 8 9 10 11 12 13	chemistry work during this time? MR. MILLER: I did. I performed a variety of chemical analyses. I don't know if I actually mentioned my PhD is in Forestry. I was trained as a soil as a soil chemist in the Forestry Department. Among the analytical research I did during my PhD work was to quantify both inorganic and organic phosphorous pools and soils in forest plantations. I did that by ICPOES analysis, Inductively Coupled Plasma Optical Emission Spectroscopy. In addition MR. FIGUR: Let's take a quick break for a second and make sure that that's going to be
2 3 4 5 6 7 8 9 10 11 12 13 14	Master's of Science in Biology, and that was awarded or earned in 2007. MR. FIGUR: Did you conduct any analytical chemistry work during this time? MR. MILLER: Yes. During my Master's work, I quantified nitrogen, phosphorous and potassium concentrations in tree seedlings and fungi. This work was done in support of habitat restoration of an endangered species in the Southern Appalachian Mountains. MR. FIGUR: Was any of this work published? MR. MILLER: My Master's thesis was published with their library, and a copy of my	2 3 4 5 6 7 8 9 10 11 12 13	chemistry work during this time? MR. MILLER: I did. I performed a variety of chemical analyses. I don't know if I actually mentioned my PhD is in Forestry. I was trained as a soil as a soil chemist in the Forestry Department. Among the analytical research I did during my PhD work was to quantify both inorganic and organic phosphorous pools and soils in forest plantations. I did that by ICPOES analysis, Inductively Coupled Plasma Optical Emission Spectroscopy. In addition MR. FIGUR: Let's take a quick break for a second and make sure that that's going to be properly recorded. It is? Okay, thank you. So I'm
2 3 4 5 6 7 8 9 10 11 12 13 14 15	Master's of Science in Biology, and that was awarded or earned in 2007. MR. FIGUR: Did you conduct any analytical chemistry work during this time? MR. MILLER: Yes. During my Master's work, I quantified nitrogen, phosphorous and potassium concentrations in tree seedlings and fungi. This work was done in support of habitat restoration of an endangered species in the Southern Appalachian Mountains. MR. FIGUR: Was any of this work published? MR. MILLER: My Master's thesis was published with their library, and a copy of my analytical results were given to the United States	2 3 4 5 6 7 8 9 10 11 12 13 14 15	chemistry work during this time? MR. MILLER: I did. I performed a variety of chemical analyses. I don't know if I actually mentioned my PhD is in Forestry. I was trained as a soil as a soil chemist in the Forestry Department. Among the analytical research I did during my PhD work was to quantify both inorganic and organic phosphorous pools and soils in forest plantations. I did that by ICPOES analysis, Inductively Coupled Plasma Optical Emission Spectroscopy. In addition MR. FIGUR: Let's take a quick break for a second and make sure that that's going to be properly recorded. It is? Okay, thank you. So I'm sorry, didn't mean to interrupt, please continue.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	Master's of Science in Biology, and that was awarded or earned in 2007. MR. FIGUR: Did you conduct any analytical chemistry work during this time? MR. MILLER: Yes. During my Master's work, I quantified nitrogen, phosphorous and potassium concentrations in tree seedlings and fungi. This work was done in support of habitat restoration of an endangered species in the Southern Appalachian Mountains. MR. FIGUR: Was any of this work published? MR. MILLER: My Master's thesis was published with their library, and a copy of my analytical results were given to the United States Forest Service.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	chemistry work during this time? MR. MILLER: I did. I performed a variety of chemical analyses. I don't know if I actually mentioned my PhD is in Forestry. I was trained as a soil as a soil chemist in the Forestry Department. Among the analytical research I did during my PhD work was to quantify both inorganic and organic phosphorous pools and soils in forest plantations. I did that by ICPOES analysis, Inductively Coupled Plasma Optical Emission Spectroscopy. In addition MR. FIGUR: Let's take a quick break for a second and make sure that that's going to be properly recorded. It is? Okay, thank you. So I'm sorry, didn't mean to interrupt, please continue. MR. MILLER: That's okay. I'm sorry, I
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	Master's of Science in Biology, and that was awarded or earned in 2007. MR. FIGUR: Did you conduct any analytical chemistry work during this time? MR. MILLER: Yes. During my Master's work, I quantified nitrogen, phosphorous and potassium concentrations in tree seedlings and fungi. This work was done in support of habitat restoration of an endangered species in the Southern Appalachian Mountains. MR. FIGUR: Was any of this work published? MR. MILLER: My Master's thesis was published with their library, and a copy of my analytical results were given to the United States Forest Service. MR. FIGUR: Please tell us about your PhD.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	chemistry work during this time? MR. MILLER: I did. I performed a variety of chemical analyses. I don't know if I actually mentioned my PhD is in Forestry. I was trained as a soil as a soil chemist in the Forestry Department. Among the analytical research I did during my PhD work was to quantify both inorganic and organic phosphorous pools and soils in forest plantations. I did that by ICPOES analysis, Inductively Coupled Plasma Optical Emission Spectroscopy. In addition MR. FIGUR: Let's take a quick break for a second and make sure that that's going to be properly recorded. It is? Okay, thank you. So I'm sorry, didn't mean to interrupt, please continue. MR. MILLER: That's okay. I'm sorry, I should slow down a little bit. So in addition to the
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	Master's of Science in Biology, and that was awarded or earned in 2007. MR. FIGUR: Did you conduct any analytical chemistry work during this time? MR. MILLER: Yes. During my Master's work, I quantified nitrogen, phosphorous and potassium concentrations in tree seedlings and fungi. This work was done in support of habitat restoration of an endangered species in the Southern Appalachian Mountains. MR. FIGUR: Was any of this work published? MR. MILLER: My Master's thesis was published with their library, and a copy of my analytical results were given to the United States Forest Service. MR. FIGUR: Please tell us about your PhD. MR. MILLER: My PhD I earned at Virginia	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	chemistry work during this time? MR. MILLER: I did. I performed a variety of chemical analyses. I don't know if I actually mentioned my PhD is in Forestry. I was trained as a soil as a soil chemist in the Forestry Department. Among the analytical research I did during my PhD work was to quantify both inorganic and organic phosphorous pools and soils in forest plantations. I did that by ICPOES analysis, Inductively Coupled Plasma Optical Emission Spectroscopy. In addition MR. FIGUR: Let's take a quick break for a second and make sure that that's going to be properly recorded. It is? Okay, thank you. So I'm sorry, didn't mean to interrupt, please continue. MR. MILLER: That's okay. I'm sorry, I should slow down a little bit. So in addition to the work on inorganic and organic phosphorous pools, I
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	Master's of Science in Biology, and that was awarded or earned in 2007. MR. FIGUR: Did you conduct any analytical chemistry work during this time? MR. MILLER: Yes. During my Master's work, I quantified nitrogen, phosphorous and potassium concentrations in tree seedlings and fungi. This work was done in support of habitat restoration of an endangered species in the Southern Appalachian Mountains. MR. FIGUR: Was any of this work published? MR. MILLER: My Master's thesis was published with their library, and a copy of my analytical results were given to the United States Forest Service. MR. FIGUR: Please tell us about your PhD. MR. MILLER: My PhD I earned at Virginia Tech in 2009, which is in Blacksburg, Virginia.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	chemistry work during this time? MR. MILLER: I did. I performed a variety of chemical analyses. I don't know if I actually mentioned my PhD is in Forestry. I was trained as a soil as a soil chemist in the Forestry Department. Among the analytical research I did during my PhD work was to quantify both inorganic and organic phosphorous pools and soils in forest plantations. I did that by ICPOES analysis, Inductively Coupled Plasma Optical Emission Spectroscopy. In addition MR. FIGUR: Let's take a quick break for a second and make sure that that's going to be properly recorded. It is? Okay, thank you. So I'm sorry, didn't mean to interrupt, please continue. MR. MILLER: That's okay. I'm sorry, I should slow down a little bit. So in addition to the work on inorganic and organic phosphorous pools, I also quantified what's called ligand exchangeable
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	Master's of Science in Biology, and that was awarded or earned in 2007. MR. FIGUR: Did you conduct any analytical chemistry work during this time? MR. MILLER: Yes. During my Master's work, I quantified nitrogen, phosphorous and potassium concentrations in tree seedlings and fungi. This work was done in support of habitat restoration of an endangered species in the Southern Appalachian Mountains. MR. FIGUR: Was any of this work published? MR. MILLER: My Master's thesis was published with their library, and a copy of my analytical results were given to the United States Forest Service. MR. FIGUR: Please tell us about your PhD. MR. MILLER: My PhD I earned at Virginia Tech in 2009, which is in Blacksburg, Virginia. That's Virginia Polytechnic Institute and State	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	chemistry work during this time? MR. MILLER: I did. I performed a variety of chemical analyses. I don't know if I actually mentioned my PhD is in Forestry. I was trained as a soil as a soil chemist in the Forestry Department. Among the analytical research I did during my PhD work was to quantify both inorganic and organic phosphorous pools and soils in forest plantations. I did that by ICPOES analysis, Inductively Coupled Plasma Optical Emission Spectroscopy. In addition MR. FIGUR: Let's take a quick break for a second and make sure that that's going to be properly recorded. It is? Okay, thank you. So I'm sorry, didn't mean to interrupt, please continue. MR. MILLER: That's okay. I'm sorry, I should slow down a little bit. So in addition to the work on inorganic and organic phosphorous pools, I also quantified what's called ligand exchangeable metals and phosphorous in forest soils, as well as
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	Master's of Science in Biology, and that was awarded or earned in 2007. MR. FIGUR: Did you conduct any analytical chemistry work during this time? MR. MILLER: Yes. During my Master's work, I quantified nitrogen, phosphorous and potassium concentrations in tree seedlings and fungi. This work was done in support of habitat restoration of an endangered species in the Southern Appalachian Mountains. MR. FIGUR: Was any of this work published? MR. MILLER: My Master's thesis was published with their library, and a copy of my analytical results were given to the United States Forest Service. MR. FIGUR: Please tell us about your PhD. MR. MILLER: My PhD I earned at Virginia Tech in 2009, which is in Blacksburg, Virginia.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	chemistry work during this time? MR. MILLER: I did. I performed a variety of chemical analyses. I don't know if I actually mentioned my PhD is in Forestry. I was trained as a soil as a soil chemist in the Forestry Department. Among the analytical research I did during my PhD work was to quantify both inorganic and organic phosphorous pools and soils in forest plantations. I did that by ICPOES analysis, Inductively Coupled Plasma Optical Emission Spectroscopy. In addition MR. FIGUR: Let's take a quick break for a second and make sure that that's going to be properly recorded. It is? Okay, thank you. So I'm sorry, didn't mean to interrupt, please continue. MR. MILLER: That's okay. I'm sorry, I should slow down a little bit. So in addition to the work on inorganic and organic phosphorous pools, I also quantified what's called ligand exchangeable

248 249 1 components during my PhD work. 1 work that I performed during my post-doctorate was 2 MR. FIGUR: Has any of your PhD research to use what's known as synchrotron speciation. That 3 is an analysis technique that actually quantifies been published? 4 MR. MILLER: Yes. I authored/co-authored the number of protons or electrons that are in an 5 two peer-reviewed publications from my PhD research. analyte of concern. 6 MR. FIGUR: What work did you perform So I was looking at the redox state of a 7 after you received your PhD? variety of metals, things such as chromium, arsenic, 8 lead in environmental samples. From the work that we MR. MILLER: So upon completion of my PhD, 9 I was hired into the EPA lab in Cincinnati, Ohio. did, we made recommendations to the EPA on 10 The lab was a part of EPA's Office of Research & 10 remediation goals for superfund sites. 11 Development. It's called the Land Remediation and MR. FIGUR: Did you do any field work 12 Pollution Control Division of EPA's ORD. 12 during this time? 13 13 I was employed by two different entities MR. MILLER: Yes, I did. In support of the 14 during that time. First, this was post-doctorate 14 research I was doing, I went to the field to collect 15 work that I did, so I was employed by the National 15 soil samples that were contaminated with lead and 16 Research Council first, and then followed I was arsenic. One of the instruments that I used was a 17 employed by Oak Ridge Institute for Science & 17 XRF, x-ray fluorescence spectrometer, to collect 18 18 Education. those samples. 19 19 MR. MILLER: Great, thank you. Did you MR. FIGUR: How long have you been at 20 perform any analytical chemistry work as part of 20 NEIC? 21 21 your post-doctoral research? MR. MILLER: I began work at NEIC in May 22 MR. MILLER: Yeah, I did. The analytical 22 of 2013. 251 250 1 MR. FIGUR: And what is your present title 1 EPA Test Method 1311, which is the toxicity 2 at NEIC? characteristic leaching procedure or the TCLP 3 MR. MILLER: My present title at NEIC is procedure. The results of the TCLP procedure, you Principal Analytical Chemist. For the purposes of my are looking at analytes such as arsenic, chromium, 5 employment with the EPA, I'm described as a physical lead, and I perform those analyses by ICPOES. Then 6 I also take measurements at NEIC for pH flashpoint scientist. 7 percent waters. I do x-ray diffractions and also MR. FIGUR: And that's an Office of 8 8 Personnel Management classification? test for cyanide. 9 9 MR. MILLER: Yes. MR. FIGUR: Can you please give us a few 10 10 MR. FIGUR: But your title at NEIC is examples of the types of samples that you analyze? 11 11 again? MR. MILLER: Since my post-doctorate work 12 12 in 2009, I've analyzed a wide variety of samples, MR. MILLER: Principal Analytical Chemist. 13 everything from mine tailings to soils, everything MR. FIGUR: Thank you. Can you very 13 14 from bone tissues to mouse feces. As a part of my briefly describe the analytical chemistry work you 15 15 perform at NEIC? work at NEIC, I also regularly will test liquids 16 16 from abandoned drums. MR. MILLER: The majority of the work that 17 MR. FIGUR: What are your objectives when 17 I perform at NEIC deals with when a sample comes in, 18 I test to determine whether or not it has one or 18 you analyze these samples? 19 more of the RCRA hazardous waste characteristics, MR. MILLER: My objective typically is to 20 quantify an analyte such as arsenic or lead. whether that's ignitability, corrosivity, toxicity 21 MR. FIGUR: Do you regularly write reports 21 or reactivity. 22 in your capacity as Principal Analytical Chemist? 22 While at NEIC, I also routinely perform

252 253 1 MR. MILLER: Yes. As noted in my CV, I've 1 and Applied Chemistry. I'm a member of the Chemistry 2 of the Environment Division of IUPAC. I was elected, authored 18 environmental enforcement reports. 3 by the way, I should mention that I was elected into MR. FIGUR: Have you authored any expert IUPAC by chemists from around the world. IUPAC is 4 reports in your capacity as Principal Analytical 5 the governing body when it comes to inorganic or Chemist? 6 organic components when it comes to nomenclature and MR. MILLER: Yes, I have authored one 7 expert report on the RCRA hazardous waste 7 testing procedures. 8 8 characteristic of toxicity for a lead sludge. MR. FIGUR: What are some of your 9 9 MR. FIGUR: Have you given any lectures, responsibilities as the representative of the United 10 10 particularly relating to analytical chemistry? States to this organization? 11 11 MR. MILLER: I have given well over 20 MR. MILLER: In my role in IUPAC, one of 12 12 lectures dealing with environmental contaminants, the things that I do is to review proposals that are 13 heavy metals, also inorganics like phosphorous, as 13 sent by chemists from around the world to IUPAC, and 14 a result of my PhD studies, Master's studies, and 14 to determine whether or not those proposals are 15 work at NEIC. adequate. IUPAC serves to promote the understanding 16 MR. FIGUR: Are any of those listed in 16 of science and chemistry for all chemists around the 17 17 your CV? world. 18 MR. MILLER: They are listed in my CV. 18 So I will review those proposals and then 19 MR. FIGUR: Are you a member of any 19 vote to determine whether or not IUPAC should 20 particularly notable professional associations? 20 provide funding for those proposals. 21 MR. MILLER: Yes. I am the US 21 MR. FIGUR: Thank you. Are you or have you 22 Representative to the International Union of Pure 22 been a member of any other professional 255 254 1 organizations relating to the field of analytical 1 understand certain facts of this case? 2 2 chemistry? MR. MILLER: Yes. 3 MR. MILLER: I have been a member of 3 MR. FIGUR: Your Honor, at this time I several professional organizations. They're listed tender Dr. Miller as an expert in the field of 5 5 analytical chemistry. on my CV. One of those includes the American 6 6 Chemical Society. MR. RYAN: No objections, Your Honor. 7 7 JUDGE COUGHLIN: All right, so deemed an MR. FIGUR: Has any of your written work 8 8 expert in that field of analytical chemistry. been peer-reviewed? 9 9 MR. MILLER: Yes, I have over 10 peer-MR. FIGUR: Thank you. So Dr. Miller, 10 10 again, what did the case team first ask of you? reviewed publications that I've authored or co-11 11 MR. MILLER: They case team first asked me authored. Those are listed on the CV, as well. 12 12 to review the data to determine whether or not the MR. FIGUR: Did you conduct any analytical chemistry and review the analytical work of others 12 drums contained material consistent with the 13 13 14 vellow primer, and then whether or not I might 14 relating to this case? 15 15 MR. MILLER: Yes. believe that that would be a characteristic 16 16 hazardous waste for toxicity. MR. FIGUR: When conducting your work for

17

18

19

this initial request?

17

18

19

20

21

this matter, did you rely on specific scientific or

in the field of analytical chemistry?

22 will be helpful in assisting this tribunal

MR. MILLER: Yes.

technical principals or methods that are widely used

MR. FIGUR: Do you believe your testimony

MR. FIGUR: So what did you in response to

MR. MILLER: I reviewed the analytical

data from the laboratory. I reviewed the field data.

I reviewed the notes from all of the NEIC staff,

22 both field and lab staff, to make my preliminary

256 257 1 determination that yes, I agreed based on the data demonstratives in advance. 2 I reviewed that the material was consistent, in the 2 MR. FIGUR: In the morning. 3 3 12 drums were consistent with the yellow primer MS. JACKSON: In the morning, yeah. 4 4 listed in the safety data sheet of the shipping MR. FIGUR: In the morning of. 5 5 manifest. JUDGE COUGHLIN: Okay. 6 6 MR. FIGUR: Did you make a preliminary MR. FIGUR: Apologies. 7 prediction at this time? 7 JUDGE COUGHLIN: Can you share them now? 8 8 MR. MILLER: After confirming that yes, I MS. JACKSON: Yes. 9 9 believed the material was consistent, I also looked JUDGE COUGHLIN: Okay, and one other quick 10 10 point. In the final Complainant exhibits that I have back at the NEIC laboratory results for the TCLP procedure and then thought to myself yes, I thought from last week, I don't have a CEX78 in here. Mr. 12 the 12 drums would also fail TCLP. 12 Morris, do you? 13 13 MR. FIGUR: Can you please display MR. MORRIS: I have not received --14 14 demonstrative one? MR. FIGUR: Your Honor, apologies. We 15 15 MS. JACKSON: Your Honor, I'm just decided to split it off of Exhibit 75 because if Dr. 16 realizing that we forgot to share demonstratives Miller was qualified as an expert, we weren't likely 17 before we began today. 17 to submit his expert report as an exhibit. 18 18 Therefore, his CV, which is an attachment, wouldn't MR. JENKINS: I think we all did. 19 MS. JACKSON: Apologies to the tribunal 19 have gotten in. 20 and Respondents. We had talked about this in the JUDGE COUGHLIN: I see. 21 pre-hearing conference that we were going to share MR. FIGUR: So this past week we separated 22 with a follow-up email. We were going to share 22 it out and are bringing it to the Court today. It is 258 259 1 1 already contained in Exhibit 75 unchanged, so a question for cross as opposed to anything else. 2 2 JUDGE COUGHLIN: Well, okay, yeah, it's hopefully there's no prejudice to anybody by --3 MR. RYAN: Your Honor, may I ask a getting a little bit confused with -- because I was 4 auestion? off on something else. But for foundational 5 JUDGE COUGHLIN: Sure. purposes, I think it's appropriate to delve into б MR. RYAN: Dr. Miller, as you were looking some of this. Like let me just stop for one minute. 7 at this demonstrative exhibit, which we're just Hold the thought, Mr. Ryan, because I'd like to kind 8 seeing now for the first time, on Line 3 of that of clean up a little bit some of the housekeeping 9 exhibit it says flashpoint 3 Celsius. Does your stuff with this. 10 expert report, which is Exhibit CEX75, did that 10 So first of all, I guess do you want to 11 address flashpoint at all? 11 just stick with your plan of having the CV a 12 MR. MILLER: I reported the results of the 12 separate exhibit as CEX78 in the event there are 13 NEIC laboratory. It includes the flashpoint results. 13 objections to the report or --14 MR. RYAN: But you yourself did not 14 MR. FIGUR: Or we don't move to enter it 15 investigate flashpoint, did you? 15 if his testimony is sufficient. So it's been an open 16 MR. MILLER: I investigated the notes in 16 question to us as to whether we would admit the 17 the --17 expert report after he was qualified and gave his 18 MR. FIGUR: Your Honor, this is something 18 full testimony. We have no concern about offering it 19 19 into evidence, but we also weren't sure whether an 20 JUDGE COUGHLIN: Hold on one second. Hold 20 expert report, once an expert testifies, would be 21 on one second. 21 objected to. 22 MR. FIGUR: I'm sorry. This appears to be 22 So instead of waiting until we got there

260 261 1 to tease out his CV, we wanted his CV in front of 1 MR. MORRIS: I personally didn't receive 2 you for consideration as determination on whether he 2 them. You sent a copy already? 3 3 was going to be an expert or not, or at least MS. JACKSON: Yes, we sent a copy. 4 4 qualified as an expert. MR. RYAN: We did the same, too. 5 5 JUDGE COUGHLIN: Okay, so I want to just MR. MORRIS: I can confirm that they have 6 sort of clean this up with respect to CEX78. I can it when I get back to the office. 7 refer to the appendix, but it's been admitted as an 7 JUDGE COUGHLIN: Okay, yeah, I need to 8 8 exhibit, and so we need to make sure that it exists know, and I also need to know if you've got CEX78 as 9 9 in terms of what the court reporter's going to have. a separate exhibit. 10 Because that's ultimately what we're left 10 MR. MORRIS: I can ping John Mongoven 11 with at the end of all this, is a hopefully very 11 right now. 12 12 clear transcript and list of exhibits, and whether JUDGE COUGHLIN: Okay, that would be 13 they were admitted, excluded, whatever. So in asking 13 great. 14 14 Mr. Morris that question, he just said he doesn't MR. MORRIS: Once we get a rhythm or a 15 even have any of the Complainant's exhibits. 15 colloquy, I can check. 16 MR. MORRIS: And from the Respondent I 16 JUDGE COUGHLIN: Okay, all right, because 17 have a list, but I don't have any actual exhibits, 17 I do not. Do you all have a CEX78? 18 18 like actual documentation from either side. MR. RYAN: Yeah, I believe we do. 19 19 MR. RYAN: I don't recollect --JUDGE COUGHLIN: Okay, is there any 20 MS. JACKSON: We can give him a copy. concern about treating Dr. Miller's CV, which had 21 JUDGE COUGHLIN: Yeah, the court reporter 21 been an appendix to CEX75, as a now-designated 22 needs to --22 CEX78? 262 263 1 1 we were going something for the convenience of the MR. RYAN: No, Your Honor. 2 JUDGE COUGHLIN: Okay, so the only thing Court and that it would be easy to update 3 I want to do is make sure the court reporter's got particularly something like this. 4 4 that so that the transcript is very clear and we JUDGE COUGHLIN: Okay. 5 actually have a CEX78 ultimately in the evidentiary MR. FIGUR: So we just figured this out 6 6 record. this past week. 7 7 MR. JENKINS: Thank you, Your Honor. JUDGE COUGHLIN: Okay. It's fine. It's 8 JUDGE COUGHLIN: And for now I'll just just all got to kind of line up in the end or else 9 work off the appendix. it's just going to be a mess. That's part of my role 10 MR. MORRIS: One more thing, Your Honor? 10 here. So yeah, if you could just circulate that, 11 JUDGE COUGHLIN: Mm-hmm. that would be great. That way the record is clear as 12 12 MR. MORRIS: So I'm asking have they to what it is. I do think, however, though, with regard to -- cover what you will, obviously, with 13 gotten the exhibits, and if they have, is there a 14 Complainant's Exhibit 78? 14 Dr. Miller during his testimony. 15 JUDGE COUGHLIN: CEX78, yes. 15 I'm having some trouble conceptualizing 16 MR. MORRIS: Okay, thank you. 16 that that can truly be a substitute for the report 17 17 JUDGE COUGHLIN: Yes, because -that's been proposed, because that's a fairly 18 MR. FIGUR: We can confirm -- sorry, Your 18 lengthy document and fairly technical. So I don't 19 Honor, I didn't mean to interrupt. 19 know if I would want to just kind of supplant one 20 20 JUDGE COUGHLIN: That's all right. for the other. 21 21 MR. FIGUR: We can confirm that it has not MR. FIGUR: That is not our intention, been submitted yet to anybody else. We just thought 22 Your Honor.

	264		265
1	JUDGE COUGHLIN: Okay.	1	MR. MORRIS: Each and every one, correct.
2	MR. FIGUR: Not at all.	2	JUDGE COUGHLIN: Yeah, you need to have
3	JUDGE COUGHLIN: Okay, all right.	3	that as part of the official record. The court
4	MR. RYAN: For the record, Your Honor, we	4	reporter's got the official record from this
5	do not intend to object to the admission of	5	proceeding, so that means each and every exhibit.
6	Complainant's Exhibit 75.	6	And obviously listing what's admitted, what's maybe
7	JUDGE COUGHLIN: Okay, that's helpful,	7	been excluded. Okay, all right.
8	too. Do we even need to worry then about a MR. CEX78	8	MR. MORRIS: Yeah, I've been doing that.
9	anymore?	9	JUDGE COUGHLIN: Okay, good, we're on the
10	MR. FIGUR: No, thank you, Your Honor.	10	same page. All right, so we're dispensing with CEX78
11	JUDGE COUGHLIN: Okay, so let's just	11	and we're just going to deal with CEX75. Go right
12	scratch that about CEX78, Mr. Morris, and you'll go	12	ahead.
13	ahead and move to admit CEX75?	13	MR. FIGUR: First I'd like to thank
14	MR. FIGUR: Yes. Can you please bring up	14	counsel for making this easy, and thank you for
15	CEX75?	15	coming up with a solution, as well. So Dr. Miller,
16	MR. MORRIS: And one more thing, Your	16	can you please take a look at what's been marked as
17	Honor, when you talked about receipt of the	17	Complainant's Exhibit 75? Please scroll. Let's go
18	exhibits, you mean the actual documents, not as list	18	back to the top, thank you. Do you recognize this
19	of exhibits? You mean the actual documents	19	document?
20	themselves, correct?	20	MR. MILLER: Yes.
21	JUDGE COUGHLIN: Correct, each and every	21	MR. FIGUR: And what is it?
22	one.	22	MR. MILLER: That is my expert report.
	266		267
1	266 MR. FIGUR: Is it a true and accurate	1	267 MR. FIGUR: Thank you. Did you prepare it?
1 2		1 2	
	MR. FIGUR: Is it a true and accurate		MR. FIGUR: Thank you. Did you prepare it?
2	MR. FIGUR: Is it a true and accurate copy?	2	MR. FIGUR: Thank you. Did you prepare it? MR. MILLER: Yes.
2	MR. FIGUR: Is it a true and accurate copy? MR. MILLER: Yes. MR. FIGUR: Your Honor, at this time, Complainant moves to enter Dr. Miller's expert	3	MR. FIGUR: Thank you. Did you prepare it? MR. MILLER: Yes. MR. RYAN: Your Honor, this appears to be a fairly lengthy document which we're seeing right now for the first time. Is there any chance we can
2 3 4 5 6	MR. FIGUR: Is it a true and accurate copy? MR. MILLER: Yes. MR. FIGUR: Your Honor, at this time, Complainant moves to enter Dr. Miller's expert report as Exhibit 75.	2 3 4 5 6	MR. FIGUR: Thank you. Did you prepare it? MR. MILLER: Yes. MR. RYAN: Your Honor, this appears to be a fairly lengthy document which we're seeing right now for the first time. Is there any chance we can get a copy of this?
2 3 4 5 6 7	MR. FIGUR: Is it a true and accurate copy? MR. MILLER: Yes. MR. FIGUR: Your Honor, at this time, Complainant moves to enter Dr. Miller's expert report as Exhibit 75. JUDGE COUGHLIN: Okay.	2 3 4 5 6 7	MR. FIGUR: Thank you. Did you prepare it? MR. MILLER: Yes. MR. RYAN: Your Honor, this appears to be a fairly lengthy document which we're seeing right now for the first time. Is there any chance we can get a copy of this? MR. FIGUR: Do you mind sending
2 3 4 5 6 7 8	MR. FIGUR: Is it a true and accurate copy? MR. MILLER: Yes. MR. FIGUR: Your Honor, at this time, Complainant moves to enter Dr. Miller's expert report as Exhibit 75. JUDGE COUGHLIN: Okay. MR. RYAN: No objections, Your Honor.	2 3 4 5 6 7 8	MR. FIGUR: Thank you. Did you prepare it? MR. MILLER: Yes. MR. RYAN: Your Honor, this appears to be a fairly lengthy document which we're seeing right now for the first time. Is there any chance we can get a copy of this? MR. FIGUR: Do you mind sending JUDGE COUGHLIN: Yeah, I think that was
2 3 4 5 6 7 8	MR. FIGUR: Is it a true and accurate copy? MR. MILLER: Yes. MR. FIGUR: Your Honor, at this time, Complainant moves to enter Dr. Miller's expert report as Exhibit 75. JUDGE COUGHLIN: Okay. MR. RYAN: No objections, Your Honor. JUDGE COUGHLIN: All right, CEX75 is	2 3 4 5 6 7 8	MR. FIGUR: Thank you. Did you prepare it? MR. MILLER: Yes. MR. RYAN: Your Honor, this appears to be a fairly lengthy document which we're seeing right now for the first time. Is there any chance we can get a copy of this? MR. FIGUR: Do you mind sending JUDGE COUGHLIN: Yeah, I think that was where we left off, but I know you wanted to dispense
2 3 4 5 6 7 8 9	MR. FIGUR: Is it a true and accurate copy? MR. MILLER: Yes. MR. FIGUR: Your Honor, at this time, Complainant moves to enter Dr. Miller's expert report as Exhibit 75. JUDGE COUGHLIN: Okay. MR. RYAN: No objections, Your Honor. JUDGE COUGHLIN: All right, CEX75 is admitted.	2 3 4 5 6 7 8 9	MR. FIGUR: Thank you. Did you prepare it? MR. MILLER: Yes. MR. RYAN: Your Honor, this appears to be a fairly lengthy document which we're seeing right now for the first time. Is there any chance we can get a copy of this? MR. FIGUR: Do you mind sending JUDGE COUGHLIN: Yeah, I think that was where we left off, but I know you wanted to dispense with the question and move on. But yeah, I think we
2 3 4 5 6 7 8 9 10	MR. FIGUR: Is it a true and accurate copy? MR. MILLER: Yes. MR. FIGUR: Your Honor, at this time, Complainant moves to enter Dr. Miller's expert report as Exhibit 75. JUDGE COUGHLIN: Okay. MR. RYAN: No objections, Your Honor. JUDGE COUGHLIN: All right, CEX75 is admitted. MR. FIGUR: Can you please go back to the	2 3 4 5 6 7 8 9 10	MR. FIGUR: Thank you. Did you prepare it? MR. MILLER: Yes. MR. RYAN: Your Honor, this appears to be a fairly lengthy document which we're seeing right now for the first time. Is there any chance we can get a copy of this? MR. FIGUR: Do you mind sending JUDGE COUGHLIN: Yeah, I think that was where we left off, but I know you wanted to dispense with the question and move on. But yeah, I think we should all have this. Incidentally, is this with
2 3 4 5 6 7 8 9 10 11	MR. FIGUR: Is it a true and accurate copy? MR. MILLER: Yes. MR. FIGUR: Your Honor, at this time, Complainant moves to enter Dr. Miller's expert report as Exhibit 75. JUDGE COUGHLIN: Okay. MR. RYAN: No objections, Your Honor. JUDGE COUGHLIN: All right, CEX75 is admitted. MR. FIGUR: Can you please go back to the demonstrative? Let's hold for one second. Would you	2 3 4 5 6 7 8 9 10 11 12	MR. FIGUR: Thank you. Did you prepare it? MR. MILLER: Yes. MR. RYAN: Your Honor, this appears to be a fairly lengthy document which we're seeing right now for the first time. Is there any chance we can get a copy of this? MR. FIGUR: Do you mind sending JUDGE COUGHLIN: Yeah, I think that was where we left off, but I know you wanted to dispense with the question and move on. But yeah, I think we should all have this. Incidentally, is this with demonstrative aids, right, if it's truly an aid,
2 3 4 5 6 7 8 9 10 11 12	MR. FIGUR: Is it a true and accurate copy? MR. MILLER: Yes. MR. FIGUR: Your Honor, at this time, Complainant moves to enter Dr. Miller's expert report as Exhibit 75. JUDGE COUGHLIN: Okay. MR. RYAN: No objections, Your Honor. JUDGE COUGHLIN: All right, CEX75 is admitted. MR. FIGUR: Can you please go back to the demonstrative? Let's hold for one second. Would you like to renew your question?	2 3 4 5 6 7 8 9 10 11 12 13	MR. FIGUR: Thank you. Did you prepare it? MR. MILLER: Yes. MR. RYAN: Your Honor, this appears to be a fairly lengthy document which we're seeing right now for the first time. Is there any chance we can get a copy of this? MR. FIGUR: Do you mind sending JUDGE COUGHLIN: Yeah, I think that was where we left off, but I know you wanted to dispense with the question and move on. But yeah, I think we should all have this. Incidentally, is this with demonstrative aids, right, if it's truly an aid, then it's supposed to help facilitate some of the
2 3 4 5 6 7 8 9 10 11 12 13 14	MR. FIGUR: Is it a true and accurate copy? MR. MILLER: Yes. MR. FIGUR: Your Honor, at this time, Complainant moves to enter Dr. Miller's expert report as Exhibit 75. JUDGE COUGHLIN: Okay. MR. RYAN: No objections, Your Honor. JUDGE COUGHLIN: All right, CEX75 is admitted. MR. FIGUR: Can you please go back to the demonstrative? Let's hold for one second. Would you like to renew your question? MR. RYAN: When you're done.	2 3 4 5 6 7 8 9 10 11 12 13 14	MR. FIGUR: Thank you. Did you prepare it? MR. MILLER: Yes. MR. RYAN: Your Honor, this appears to be a fairly lengthy document which we're seeing right now for the first time. Is there any chance we can get a copy of this? MR. FIGUR: Do you mind sending JUDGE COUGHLIN: Yeah, I think that was where we left off, but I know you wanted to dispense with the question and move on. But yeah, I think we should all have this. Incidentally, is this with demonstrative aids, right, if it's truly an aid, then it's supposed to help facilitate some of the testimony. If you want me to be able to rely on any
2 3 4 5 6 7 8 9 10 11 12 13 14	MR. FIGUR: Is it a true and accurate copy? MR. MILLER: Yes. MR. FIGUR: Your Honor, at this time, Complainant moves to enter Dr. Miller's expert report as Exhibit 75. JUDGE COUGHLIN: Okay. MR. RYAN: No objections, Your Honor. JUDGE COUGHLIN: All right, CEX75 is admitted. MR. FIGUR: Can you please go back to the demonstrative? Let's hold for one second. Would you like to renew your question? MR. RYAN: When you're done. MR. FIGUR: Okay. So Dr. Miller, did you	2 3 4 5 6 7 8 9 10 11 12 13 14 15	MR. FIGUR: Thank you. Did you prepare it? MR. MILLER: Yes. MR. RYAN: Your Honor, this appears to be a fairly lengthy document which we're seeing right now for the first time. Is there any chance we can get a copy of this? MR. FIGUR: Do you mind sending JUDGE COUGHLIN: Yeah, I think that was where we left off, but I know you wanted to dispense with the question and move on. But yeah, I think we should all have this. Incidentally, is this with demonstrative aids, right, if it's truly an aid, then it's supposed to help facilitate some of the testimony. If you want me to be able to rely on any of that, then it's an exhibit. So you appreciate the
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	MR. FIGUR: Is it a true and accurate copy? MR. MILLER: Yes. MR. FIGUR: Your Honor, at this time, Complainant moves to enter Dr. Miller's expert report as Exhibit 75. JUDGE COUGHLIN: Okay. MR. RYAN: No objections, Your Honor. JUDGE COUGHLIN: All right, CEX75 is admitted. MR. FIGUR: Can you please go back to the demonstrative? Let's hold for one second. Would you like to renew your question? MR. RYAN: When you're done. MR. FIGUR: Okay. So Dr. Miller, did you prepare a demonstrative to assist the Court with	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	MR. FIGUR: Thank you. Did you prepare it? MR. MILLER: Yes. MR. RYAN: Your Honor, this appears to be a fairly lengthy document which we're seeing right now for the first time. Is there any chance we can get a copy of this? MR. FIGUR: Do you mind sending JUDGE COUGHLIN: Yeah, I think that was where we left off, but I know you wanted to dispense with the question and move on. But yeah, I think we should all have this. Incidentally, is this with demonstrative aids, right, if it's truly an aid, then it's supposed to help facilitate some of the testimony. If you want me to be able to rely on any of that, then it's an exhibit. So you appreciate the distinction, right?
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	MR. FIGUR: Is it a true and accurate copy? MR. MILLER: Yes. MR. FIGUR: Your Honor, at this time, Complainant moves to enter Dr. Miller's expert report as Exhibit 75. JUDGE COUGHLIN: Okay. MR. RYAN: No objections, Your Honor. JUDGE COUGHLIN: All right, CEX75 is admitted. MR. FIGUR: Can you please go back to the demonstrative? Let's hold for one second. Would you like to renew your question? MR. RYAN: When you're done. MR. FIGUR: Okay. So Dr. Miller, did you prepare a demonstrative to assist the Court with your testimony today?	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	MR. FIGUR: Thank you. Did you prepare it? MR. MILLER: Yes. MR. RYAN: Your Honor, this appears to be a fairly lengthy document which we're seeing right now for the first time. Is there any chance we can get a copy of this? MR. FIGUR: Do you mind sending JUDGE COUGHLIN: Yeah, I think that was where we left off, but I know you wanted to dispense with the question and move on. But yeah, I think we should all have this. Incidentally, is this with demonstrative aids, right, if it's truly an aid, then it's supposed to help facilitate some of the testimony. If you want me to be able to rely on any of that, then it's an exhibit. So you appreciate the distinction, right? MR. FIGUR: Absolutely, Your Honor, thank
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	MR. FIGUR: Is it a true and accurate copy? MR. MILLER: Yes. MR. FIGUR: Your Honor, at this time, Complainant moves to enter Dr. Miller's expert report as Exhibit 75. JUDGE COUGHLIN: Okay. MR. RYAN: No objections, Your Honor. JUDGE COUGHLIN: All right, CEX75 is admitted. MR. FIGUR: Can you please go back to the demonstrative? Let's hold for one second. Would you like to renew your question? MR. RYAN: When you're done. MR. FIGUR: Okay. So Dr. Miller, did you prepare a demonstrative to assist the Court with your testimony today? MR. MILLER: Yes.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	MR. FIGUR: Thank you. Did you prepare it? MR. MILLER: Yes. MR. RYAN: Your Honor, this appears to be a fairly lengthy document which we're seeing right now for the first time. Is there any chance we can get a copy of this? MR. FIGUR: Do you mind sending JUDGE COUGHLIN: Yeah, I think that was where we left off, but I know you wanted to dispense with the question and move on. But yeah, I think we should all have this. Incidentally, is this with demonstrative aids, right, if it's truly an aid, then it's supposed to help facilitate some of the testimony. If you want me to be able to rely on any of that, then it's an exhibit. So you appreciate the distinction, right? MR. FIGUR: Absolutely, Your Honor, thank you.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	MR. FIGUR: Is it a true and accurate copy? MR. MILLER: Yes. MR. FIGUR: Your Honor, at this time, Complainant moves to enter Dr. Miller's expert report as Exhibit 75. JUDGE COUGHLIN: Okay. MR. RYAN: No objections, Your Honor. JUDGE COUGHLIN: All right, CEX75 is admitted. MR. FIGUR: Can you please go back to the demonstrative? Let's hold for one second. Would you like to renew your question? MR. RYAN: When you're done. MR. FIGUR: Okay. So Dr. Miller, did you prepare a demonstrative to assist the Court with your testimony today? MR. MILLER: Yes. MR. FIGUR: Please look at the display.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	MR. FIGUR: Thank you. Did you prepare it? MR. MILLER: Yes. MR. RYAN: Your Honor, this appears to be a fairly lengthy document which we're seeing right now for the first time. Is there any chance we can get a copy of this? MR. FIGUR: Do you mind sending JUDGE COUGHLIN: Yeah, I think that was where we left off, but I know you wanted to dispense with the question and move on. But yeah, I think we should all have this. Incidentally, is this with demonstrative aids, right, if it's truly an aid, then it's supposed to help facilitate some of the testimony. If you want me to be able to rely on any of that, then it's an exhibit. So you appreciate the distinction, right? MR. FIGUR: Absolutely, Your Honor, thank you. JUDGE COUGHLIN: Okay. And so what is this
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	MR. FIGUR: Is it a true and accurate copy? MR. MILLER: Yes. MR. FIGUR: Your Honor, at this time, Complainant moves to enter Dr. Miller's expert report as Exhibit 75. JUDGE COUGHLIN: Okay. MR. RYAN: No objections, Your Honor. JUDGE COUGHLIN: All right, CEX75 is admitted. MR. FIGUR: Can you please go back to the demonstrative? Let's hold for one second. Would you like to renew your question? MR. RYAN: When you're done. MR. FIGUR: Okay. So Dr. Miller, did you prepare a demonstrative to assist the Court with your testimony today? MR. MILLER: Yes. MR. FIGUR: Please look at the display. Can you please scroll through? Is this your	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	MR. FIGUR: Thank you. Did you prepare it? MR. MILLER: Yes. MR. RYAN: Your Honor, this appears to be a fairly lengthy document which we're seeing right now for the first time. Is there any chance we can get a copy of this? MR. FIGUR: Do you mind sending JUDGE COUGHLIN: Yeah, I think that was where we left off, but I know you wanted to dispense with the question and move on. But yeah, I think we should all have this. Incidentally, is this with demonstrative aids, right, if it's truly an aid, then it's supposed to help facilitate some of the testimony. If you want me to be able to rely on any of that, then it's an exhibit. So you appreciate the distinction, right? MR. FIGUR: Absolutely, Your Honor, thank you. JUDGE COUGHLIN: Okay. And so what is this going to be?
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	MR. FIGUR: Is it a true and accurate copy? MR. MILLER: Yes. MR. FIGUR: Your Honor, at this time, Complainant moves to enter Dr. Miller's expert report as Exhibit 75. JUDGE COUGHLIN: Okay. MR. RYAN: No objections, Your Honor. JUDGE COUGHLIN: All right, CEX75 is admitted. MR. FIGUR: Can you please go back to the demonstrative? Let's hold for one second. Would you like to renew your question? MR. RYAN: When you're done. MR. FIGUR: Okay. So Dr. Miller, did you prepare a demonstrative to assist the Court with your testimony today? MR. MILLER: Yes. MR. FIGUR: Please look at the display.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	MR. FIGUR: Thank you. Did you prepare it? MR. MILLER: Yes. MR. RYAN: Your Honor, this appears to be a fairly lengthy document which we're seeing right now for the first time. Is there any chance we can get a copy of this? MR. FIGUR: Do you mind sending JUDGE COUGHLIN: Yeah, I think that was where we left off, but I know you wanted to dispense with the question and move on. But yeah, I think we should all have this. Incidentally, is this with demonstrative aids, right, if it's truly an aid, then it's supposed to help facilitate some of the testimony. If you want me to be able to rely on any of that, then it's an exhibit. So you appreciate the distinction, right? MR. FIGUR: Absolutely, Your Honor, thank you. JUDGE COUGHLIN: Okay. And so what is this

	268		269
1	expert opinion.	1	electronically? Do you have a hard copy you could
2	JUDGE COUGHLIN: Okay.	2	give us?
3	MR. FIGUR: So it just simplifies things,	3	MR. FIGUR: No.
4	hopefully for it hopefully simplifies things for	4	JUDGE COUGHLIN: How many demonstratives
5	everybody.	5	do you have?
6	JUDGE COUGHLIN: Okay.	6	MR. FIGUR: Two. The second one is one
7	MR. RYAN: Again, Your Honor, it would be	7	page.
8	really helpful to us if we had a copy. We have not	8	JUDGE COUGHLIN: Okay. Why don't you send
9	seen this. I thought when he first pulled it up it	9	both?
10	was just a single chart, but it looks like it goes	10	MR. FIGUR: Yes, we're going to do that.
11	on for many pages.	11	JUDGE COUGHLIN: Okay. And what I'll do is
12	JUDGE COUGHLIN: Okay, yeah, understood.	12	once I know that Respondent has it, then we'll take
13	MR. RYAN: In fairness	13	a break so that there's the opportunity to review
14	MR. FIGUR: Can we send him	14	it, and then we'll pick up after that.
15	JUDGE COUGHLIN: Yeah, so let's pause and	15	MR. FIGUR: Thank you, Your Honor. I was
16	exchange this, and let me give Respondent the	16	just checking to see if I had a hard copy and I do
17	opportunity to have some time to take a look at it	17	not.
18	and then we'll come back and pick up there.	18	JUDGE COUGHLIN: Okay.
19	MR. RYAN: Thank you, Your Honor.	19	MR. FIGUR: You might have it?
20	JUDGE COUGHLIN: Okay.	20	MR. MILLER: I believe I have a hard copy.
21	MR. FIGUR: Thank you, Your Honor.	21	I might have a hard copy in the back right there.
22	MR. RYAN: Are you sending it to me	22	JUDGE COUGHLIN: Do you want to check?
	270		271
		1	
1	MR. MILLER: If that's okay.	1	JUDGE COUGHLIN: Okay, all right.
2	MR. MILLER: If that's okay. JUDGE COUGHLIN: Yeah, that's fine. We can	1 2	JUDGE COUGHLIN: Okay, all right. MR. RYAN: Chuck, is it five pages?
			JUDGE COUGHLIN: Okay, all right. MR. RYAN: Chuck, is it five pages? MR. FIGUR: Yes.
2	JUDGE COUGHLIN: Yeah, that's fine. We can	2	MR. RYAN: Chuck, is it five pages?
2	JUDGE COUGHLIN: Yeah, that's fine. We can check to see if we're able to print, as well, if a	2 3	MR. RYAN: Chuck, is it five pages? MR. FIGUR: Yes.
2 3 4	JUDGE COUGHLIN: Yeah, that's fine. We can check to see if we're able to print, as well, if a hard copy would be helpful.	2 3 4	MR. RYAN: Chuck, is it five pages? MR. FIGUR: Yes. MR. RYAN: And I have all five here?
2 3 4 5	JUDGE COUGHLIN: Yeah, that's fine. We can check to see if we're able to print, as well, if a hard copy would be helpful. MR. RYAN: I'm trying to get on the wifi	2 3 4 5	MR. RYAN: Chuck, is it five pages? MR. FIGUR: Yes. MR. RYAN: And I have all five here? MR. FIGUR: Yes.
2 3 4 5	JUDGE COUGHLIN: Yeah, that's fine. We can check to see if we're able to print, as well, if a hard copy would be helpful. MR. RYAN: I'm trying to get on the wifi right now, Your Honor, so I can see the document	2 3 4 5	MR. RYAN: Chuck, is it five pages? MR. FIGUR: Yes. MR. RYAN: And I have all five here? MR. FIGUR: Yes. JUDGE COUGHLIN: Okay, I'm only staying on
2 3 4 5 6 7	JUDGE COUGHLIN: Yeah, that's fine. We can check to see if we're able to print, as well, if a hard copy would be helpful. MR. RYAN: I'm trying to get on the wifi right now, Your Honor, so I can see the document they're sending me.	2 3 4 5 6 7	MR. RYAN: Chuck, is it five pages? MR. FIGUR: Yes. MR. RYAN: And I have all five here? MR. FIGUR: Yes. JUDGE COUGHLIN: Okay, I'm only staying on the record to make sure, Respondent, that you've
2 3 4 5 6 7 8	JUDGE COUGHLIN: Yeah, that's fine. We can check to see if we're able to print, as well, if a hard copy would be helpful. MR. RYAN: I'm trying to get on the wifi right now, Your Honor, so I can see the document they're sending me. MR. MILLER: Here you go, the second one	2 3 4 5 6 7 8	MR. RYAN: Chuck, is it five pages? MR. FIGUR: Yes. MR. RYAN: And I have all five here? MR. FIGUR: Yes. JUDGE COUGHLIN: Okay, I'm only staying on the record to make sure, Respondent, that you've received them. So you have them?
2 3 4 5 6 7 8 9	JUDGE COUGHLIN: Yeah, that's fine. We can check to see if we're able to print, as well, if a hard copy would be helpful. MR. RYAN: I'm trying to get on the wifi right now, Your Honor, so I can see the document they're sending me. MR. MILLER: Here you go, the second one (audio interference).	2 3 4 5 6 7 8 9	MR. RYAN: Chuck, is it five pages? MR. FIGUR: Yes. MR. RYAN: And I have all five here? MR. FIGUR: Yes. JUDGE COUGHLIN: Okay, I'm only staying on the record to make sure, Respondent, that you've received them. So you have them? MR. RYAN: Yeah, I have them, Your Honor.
2 3 4 5 6 7 8 9	JUDGE COUGHLIN: Yeah, that's fine. We can check to see if we're able to print, as well, if a hard copy would be helpful. MR. RYAN: I'm trying to get on the wifi right now, Your Honor, so I can see the document they're sending me. MR. MILLER: Here you go, the second one (audio interference). JUDGE COUGHLIN: Thank you, Dr. Miller.	2 3 4 5 6 7 8 9	MR. RYAN: Chuck, is it five pages? MR. FIGUR: Yes. MR. RYAN: And I have all five here? MR. FIGUR: Yes. JUDGE COUGHLIN: Okay, I'm only staying on the record to make sure, Respondent, that you've received them. So you have them? MR. RYAN: Yeah, I have them, Your Honor. JUDGE COUGHLIN: Do you want some time?
2 3 4 5 6 7 8 9 10	JUDGE COUGHLIN: Yeah, that's fine. We can check to see if we're able to print, as well, if a hard copy would be helpful. MR. RYAN: I'm trying to get on the wifi right now, Your Honor, so I can see the document they're sending me. MR. MILLER: Here you go, the second one (audio interference). JUDGE COUGHLIN: Thank you, Dr. Miller. MR. FIGUR: Your Honor, can we go off the	2 3 4 5 6 7 8 9 10	MR. RYAN: Chuck, is it five pages? MR. FIGUR: Yes. MR. RYAN: And I have all five here? MR. FIGUR: Yes. JUDGE COUGHLIN: Okay, I'm only staying on the record to make sure, Respondent, that you've received them. So you have them? MR. RYAN: Yeah, I have them, Your Honor. JUDGE COUGHLIN: Do you want some time? MR. RYAN: I am just about ready to
2 3 4 5 6 7 8 9 10 11 12	JUDGE COUGHLIN: Yeah, that's fine. We can check to see if we're able to print, as well, if a hard copy would be helpful. MR. RYAN: I'm trying to get on the wifi right now, Your Honor, so I can see the document they're sending me. MR. MILLER: Here you go, the second one (audio interference). JUDGE COUGHLIN: Thank you, Dr. Miller. MR. FIGUR: Your Honor, can we go off the record for just a second so I can	2 3 4 5 6 7 8 9 10 11	MR. RYAN: Chuck, is it five pages? MR. FIGUR: Yes. MR. RYAN: And I have all five here? MR. FIGUR: Yes. JUDGE COUGHLIN: Okay, I'm only staying on the record to make sure, Respondent, that you've received them. So you have them? MR. RYAN: Yeah, I have them, Your Honor. JUDGE COUGHLIN: Do you want some time? MR. RYAN: I am just about ready to proceed. JUDGE COUGHLIN: Okay, then we'll just stand by here on the record, but you're welcome to
2 3 4 5 6 7 8 9 10 11 12	JUDGE COUGHLIN: Yeah, that's fine. We can check to see if we're able to print, as well, if a hard copy would be helpful. MR. RYAN: I'm trying to get on the wifi right now, Your Honor, so I can see the document they're sending me. MR. MILLER: Here you go, the second one (audio interference). JUDGE COUGHLIN: Thank you, Dr. Miller. MR. FIGUR: Your Honor, can we go off the record for just a second so I can JUDGE COUGHLIN: Sure, we can go off the	2 3 4 5 6 7 8 9 10 11 12 13 14 15	MR. RYAN: Chuck, is it five pages? MR. FIGUR: Yes. MR. RYAN: And I have all five here? MR. FIGUR: Yes. JUDGE COUGHLIN: Okay, I'm only staying on the record to make sure, Respondent, that you've received them. So you have them? MR. RYAN: Yeah, I have them, Your Honor. JUDGE COUGHLIN: Do you want some time? MR. RYAN: I am just about ready to proceed. JUDGE COUGHLIN: Okay, then we'll just
2 3 4 5 6 7 8 9 10 11 12 13 14	JUDGE COUGHLIN: Yeah, that's fine. We can check to see if we're able to print, as well, if a hard copy would be helpful. MR. RYAN: I'm trying to get on the wifi right now, Your Honor, so I can see the document they're sending me. MR. MILLER: Here you go, the second one (audio interference). JUDGE COUGHLIN: Thank you, Dr. Miller. MR. FIGUR: Your Honor, can we go off the record for just a second so I can JUDGE COUGHLIN: Sure, we can go off the record.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	MR. RYAN: Chuck, is it five pages? MR. FIGUR: Yes. MR. RYAN: And I have all five here? MR. FIGUR: Yes. JUDGE COUGHLIN: Okay, I'm only staying on the record to make sure, Respondent, that you've received them. So you have them? MR. RYAN: Yeah, I have them, Your Honor. JUDGE COUGHLIN: Do you want some time? MR. RYAN: I am just about ready to proceed. JUDGE COUGHLIN: Okay, then we'll just stand by here on the record, but you're welcome to take some time if you need. MR. RYAN: Okay, on record may I just ask
2 3 4 5 6 7 8 9 10 11 12 13 14 15	JUDGE COUGHLIN: Yeah, that's fine. We can check to see if we're able to print, as well, if a hard copy would be helpful. MR. RYAN: I'm trying to get on the wifi right now, Your Honor, so I can see the document they're sending me. MR. MILLER: Here you go, the second one (audio interference). JUDGE COUGHLIN: Thank you, Dr. Miller. MR. FIGUR: Your Honor, can we go off the record for just a second so I can JUDGE COUGHLIN: Sure, we can go off the record. (Whereupon, the above-entitled matter	2 3 4 5 6 7 8 9 10 11 12 13 14 15	MR. RYAN: Chuck, is it five pages? MR. FIGUR: Yes. MR. RYAN: And I have all five here? MR. FIGUR: Yes. JUDGE COUGHLIN: Okay, I'm only staying on the record to make sure, Respondent, that you've received them. So you have them? MR. RYAN: Yeah, I have them, Your Honor. JUDGE COUGHLIN: Do you want some time? MR. RYAN: I am just about ready to proceed. JUDGE COUGHLIN: Okay, then we'll just stand by here on the record, but you're welcome to take some time if you need. MR. RYAN: Okay, on record may I just ask are these numbers straight out of the report?
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	JUDGE COUGHLIN: Yeah, that's fine. We can check to see if we're able to print, as well, if a hard copy would be helpful. MR. RYAN: I'm trying to get on the wifi right now, Your Honor, so I can see the document they're sending me. MR. MILLER: Here you go, the second one (audio interference). JUDGE COUGHLIN: Thank you, Dr. Miller. MR. FIGUR: Your Honor, can we go off the record for just a second so I can JUDGE COUGHLIN: Sure, we can go off the record. (Whereupon, the above-entitled matter went off the record at 3:40 p.m. and resumed at 3:41	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	MR. RYAN: Chuck, is it five pages? MR. FIGUR: Yes. MR. RYAN: And I have all five here? MR. FIGUR: Yes. JUDGE COUGHLIN: Okay, I'm only staying on the record to make sure, Respondent, that you've received them. So you have them? MR. RYAN: Yeah, I have them, Your Honor. JUDGE COUGHLIN: Do you want some time? MR. RYAN: I am just about ready to proceed. JUDGE COUGHLIN: Okay, then we'll just stand by here on the record, but you're welcome to take some time if you need. MR. RYAN: Okay, on record may I just ask are these numbers straight out of the report? There's nothing new here that's not in the report?
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	JUDGE COUGHLIN: Yeah, that's fine. We can check to see if we're able to print, as well, if a hard copy would be helpful. MR. RYAN: I'm trying to get on the wifi right now, Your Honor, so I can see the document they're sending me. MR. MILLER: Here you go, the second one (audio interference). JUDGE COUGHLIN: Thank you, Dr. Miller. MR. FIGUR: Your Honor, can we go off the record for just a second so I can JUDGE COUGHLIN: Sure, we can go off the record. (Whereupon, the above-entitled matter went off the record at 3:40 p.m. and resumed at 3:41 p.m.)	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	MR. RYAN: Chuck, is it five pages? MR. FIGUR: Yes. MR. RYAN: And I have all five here? MR. FIGUR: Yes. JUDGE COUGHLIN: Okay, I'm only staying on the record to make sure, Respondent, that you've received them. So you have them? MR. RYAN: Yeah, I have them, Your Honor. JUDGE COUGHLIN: Do you want some time? MR. RYAN: I am just about ready to proceed. JUDGE COUGHLIN: Okay, then we'll just stand by here on the record, but you're welcome to take some time if you need. MR. RYAN: Okay, on record may I just ask are these numbers straight out of the report? There's nothing new here that's not in the report? MR. MILLER: The numbers are straight out
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	JUDGE COUGHLIN: Yeah, that's fine. We can check to see if we're able to print, as well, if a hard copy would be helpful. MR. RYAN: I'm trying to get on the wifi right now, Your Honor, so I can see the document they're sending me. MR. MILLER: Here you go, the second one (audio interference). JUDGE COUGHLIN: Thank you, Dr. Miller. MR. FIGUR: Your Honor, can we go off the record for just a second so I can JUDGE COUGHLIN: Sure, we can go off the record. (Whereupon, the above-entitled matter went off the record at 3:40 p.m. and resumed at 3:41 p.m.) JUDGE COUGHLIN: Quick question, though.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	MR. RYAN: Chuck, is it five pages? MR. FIGUR: Yes. MR. RYAN: And I have all five here? MR. FIGUR: Yes. JUDGE COUGHLIN: Okay, I'm only staying on the record to make sure, Respondent, that you've received them. So you have them? MR. RYAN: Yeah, I have them, Your Honor. JUDGE COUGHLIN: Do you want some time? MR. RYAN: I am just about ready to proceed. JUDGE COUGHLIN: Okay, then we'll just stand by here on the record, but you're welcome to take some time if you need. MR. RYAN: Okay, on record may I just ask are these numbers straight out of the report? There's nothing new here that's not in the report? MR. MILLER: The numbers are straight out of the report, yes, sir.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	JUDGE COUGHLIN: Yeah, that's fine. We can check to see if we're able to print, as well, if a hard copy would be helpful. MR. RYAN: I'm trying to get on the wifi right now, Your Honor, so I can see the document they're sending me. MR. MILLER: Here you go, the second one (audio interference). JUDGE COUGHLIN: Thank you, Dr. Miller. MR. FIGUR: Your Honor, can we go off the record for just a second so I can JUDGE COUGHLIN: Sure, we can go off the record. (Whereupon, the above-entitled matter went off the record at 3:40 p.m. and resumed at 3:41 p.m.) JUDGE COUGHLIN: Quick question, though. These are not proposed exhibits, right? You're just doing them to help facilitate testimony? MR. FIGUR: Correct. To help Dr. Miller	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	MR. RYAN: Chuck, is it five pages? MR. FIGUR: Yes. MR. RYAN: And I have all five here? MR. FIGUR: Yes. JUDGE COUGHLIN: Okay, I'm only staying on the record to make sure, Respondent, that you've received them. So you have them? MR. RYAN: Yeah, I have them, Your Honor. JUDGE COUGHLIN: Do you want some time? MR. RYAN: I am just about ready to proceed. JUDGE COUGHLIN: Okay, then we'll just stand by here on the record, but you're welcome to take some time if you need. MR. RYAN: Okay, on record may I just ask are these numbers straight out of the report? There's nothing new here that's not in the report? MR. MILLER: The numbers are straight out of the report, yes, sir. MR. RYAN: Then we can proceed.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	JUDGE COUGHLIN: Yeah, that's fine. We can check to see if we're able to print, as well, if a hard copy would be helpful. MR. RYAN: I'm trying to get on the wifi right now, Your Honor, so I can see the document they're sending me. MR. MILLER: Here you go, the second one (audio interference). JUDGE COUGHLIN: Thank you, Dr. Miller. MR. FIGUR: Your Honor, can we go off the record for just a second so I can JUDGE COUGHLIN: Sure, we can go off the record. (Whereupon, the above-entitled matter went off the record at 3:40 p.m. and resumed at 3:41 p.m.) JUDGE COUGHLIN: Quick question, though. These are not proposed exhibits, right? You're just doing them to help facilitate testimony?	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	MR. RYAN: Chuck, is it five pages? MR. FIGUR: Yes. MR. RYAN: And I have all five here? MR. FIGUR: Yes. JUDGE COUGHLIN: Okay, I'm only staying on the record to make sure, Respondent, that you've received them. So you have them? MR. RYAN: Yeah, I have them, Your Honor. JUDGE COUGHLIN: Do you want some time? MR. RYAN: I am just about ready to proceed. JUDGE COUGHLIN: Okay, then we'll just stand by here on the record, but you're welcome to take some time if you need. MR. RYAN: Okay, on record may I just ask are these numbers straight out of the report? There's nothing new here that's not in the report? MR. MILLER: The numbers are straight out of the report, yes, sir.

272 273 1 MR. RYAN: Thank you. 1 1.2 grams per mil. The percent solids that were 2 MR. FIGUR: Okay, Dr. Miller, can you tested reported on the safety data sheet and NEIC 3 results are also very close. Then lastly, strontium please explain the data you reviewed before 4 determining if you could come to a preliminary chromate is one of the ingredients listed in the 5 safety data sheet that gives this product its yellow conclusion? 6 color. MR. MILLER: Yes, if the demonstrative 7 7 That safety data sheet lists the percent could be displayed on my screen again it would be 8 helpful. All right, so this is a table from my strontium chromate between 7 and 25 percent. In the 9 report. What I did was to compare the properties calculations, NEIC results were about 7.4 percent. 10 listed from PP&G's safety data sheet for the yellow 10 MR. FIGUR: Thank you. Is this the same primer with the NEIC results that the field and 11 information that allowed you to make a preliminary 12 12 laboratory staff collected and then made this table. prediction that the other 12 drums likely would fail 13 So the first column on the left is the properties 13 the TCLP for chromium? 14 14 that are listed on the safety data sheet. MR. MILLER: These results, along with the 15 15 NEIC laboratory results for the TCLP extraction. The second column are the results from 16 the safety data sheet for PP&G, and then the third 16 MR. FIGUR: Display Page 2. Can you 17 17 briefly discuss the actual TCLP results for the column are NEIC results. What you'll see in the 18 18 eight drums? first two rows for physical state and color, that it 19 was a yellow liquid. The third row is flashpoint. 19 MR. MILLER: So these are the NEIC 20 laboratory results. The second to last row are final The safety data sheet states the flashpoint of 44.44 21 chromium in the leachates. It's chromium in degrees. NEIC results were also 44 degrees. 22 milligrams per liter for the TCLP extraction The densities were nearly identical at 274 275 1 procedure. As we mentioned before, eight of the 1 matter which form of chromium is being measured? 2 2 drums were tested in the lab. Those are Drum 06 --MR. MILLER: No, sir. It is only total 3 the station is the second row -- Drum 06 through 3 chromium. 4 Drum 29. 4 MR. FIGUR: Thank you. Can you please 5 What you'll see is a range of values from bring up Complainant's Exhibit 12, Page 2? Can you approximately 37 mg/l of chromium through about 350 please scroll down? Do you recognize this document? 7 milligrams of chromium per liter of TCLP extraction And will you explain a bit about what it is? 8 8 fluid. MR. MILLER: I recognize this document as 9 MR. FIGUR: Thank you. Dr. Miller, are being the waste manifest that Prime Ink used to ship 10 there different forms of chromium? 10 the 32 drums from its facility in Salt Lake to an 11 MR. MILLER: Yes, there are a variety of 11 RCRA-permitted treatment storage and disposal 12 different chromium species or redox species. Pure 12 facility. 13 13 chromium by itself is chromium in the zero valent MR. FIGUR: Can you please look at Section 14 state. So that is there are an equal number of 14 9A of the document and read Box 1? 15 protons and electrons. There is also trivalent 15 MR. MILLER: I see that section, but I 16 chromium. This is a chromium species in which there 16 cannot read that very well. 17 17 are three more protons than there are electrons. MR. FIGUR: Can you please read at the top 18 And then lastly, many people are familiar of the page? If you don't mind, please scroll up. 19 with hexavalent chromium. This is chromium in which 19 Can you please read the manifest tracking number in there are six more protons than there are electrons. 20 its entirety? 21 21 MR. FIGUR: For purposes of the toxicity MR. MILLER: The manifest tracking number 22 characteristic leaching procedure, or TCLP, does it 22 in Box 4 is 015158774JJK.

276 277 1 MR. FIGUR: Thank you. Can you now please want to put this version of the manifest into 2 evidence. We just want to confirm that it's the same bring up Respondent's Exhibit 16, Page 3? Can you 3 please read the manifest tracking number again? manifest and then that it's an easily readable copy. 4 4 MR. MILLER: Tracking number 015158774JJK. MR. RYAN: No objections. 5 5 MR. FIGUR: Is this the same manifest? JUDGE COUGHLIN: Okay. 6 6 MR. FIGUR: Dr. Miller, can you please MR. MILLER: I believe so. 7 MR. FIGUR: Can you please read Box 1 of 7 read the manifest tracking number? 8 8 Section 9A? MR. MILLER: 015158774JJK. 9 9 MR. MILLER: Not very well. MR. FIGUR: And do you see any handwriting 10 MR. FIGUR: Okay. Your Honor, both parties 10 on the manifest? 11 submitted this exact same manifest. At the time, we MR. MILLER: Yes, I do, under Box 1. 12 12 submitted it because we wanted to acknowledge that MR. FIGUR: Is there any handwriting or 13 Respondent did eventually send the waste at issue 13 other apparent change in Section 9A, Box 1? 14 off as hazardous waste. It was only recently upon MR. MILLER: None that I see. 15 looking at this manifest again that we realized when 15 MR. FIGUR: Can you please now read what 16 we looked at a cleaner subsequent copy that we 16 is in Box 1? 17 17 didn't feel it was necessary to place into evidence MR. MILLER: Yes. Inside Box 1 is UN1993 18 that we found a readable Box 1 in Section 9B. 18 waste flammable liquids N.O.S. trivalent chromium 19 At this time, as a demonstrative, I'd 19 methyl ethyl ketone 3, PGII. 20 like to put it on screen and confirm that is the 20 MR. FIGUR: Thank you, Dr. Miller. Please 21 exact same manifest in all respects except for one, go back to the demonstrative, Page 2. In your 22 and then ask Dr. Miller to read the box. We don't 22 opinion, is it likely that any of the drums 278 279 1 1 consistent with the yellow primer and shipped under JUDGE COUGHLIN: Okay. 2 MR. FIGUR: Do you recognize this this manifest contained trivalent chromium? 3 MR. MILLER: No, I don't believe any of 3 document? Can you please stay at the top for one the material had trivalent chromium, regardless of 5 5 MR. MILLER: Yeah, I believe this is the the outcome of my testimony. 6 6 MR. FIGUR: And would you have an opinion safety data sheet for the universal urethane yellow 7 7 on which species of chromium is in the waste? 8 8 MR. MILLER: Yes, based on the material MR. FIGUR: Please scroll to Section 3. 9 that I reviewed, the safety data sheets that was 9 What does Section 3 tell us? 10 produced by PP&G, it lists two ingredients, barium 10 MR. MILLER: So Section 3 of the safety 11 chromate and strontium chromate. Chromate is 11 data sheet lists the composition information 12 12 commonly accepted in chemistry to mean the ingredients. This includes all ingredients, any 13 additives that a company may include in their hexavalent species chrome 6. 14 MR. FIGUR: And to your knowledge, was any product. And so what we see from this table on the 15 speciation work done? 15 third row down is strontium chromate, and then at 16 16 MR. MILLER: No. No speciation work was the very bottom is barium chromate. 17 17 performed that I'm aware of. Again, I looked at the CAS numbers, which 18 MR. FIGUR: Please bring up Complainant's 18 is the third column on this table, and you'll see 19 Exhibit 32, Page 31. And Your Honor, I'll note that 19 the CAS number, which stands for the Chemical 20 this is from the SDS. It's in the clean copy of 20 Abstracts Service number, and I looked up the 21 Exhibit 32, so it shouldn't be a problem as Exhibit 21 information for this product, these two products, 22 10 appears to have been. 22 rather, based on these CAS numbers. In my review of

	280		281
1	those CAS numbers, there was nothing that would	1	MR. RYAN: I can see it now, Your Honor.
2	suggest that these products or information from	2	JUDGE COUGHLIN: All right, great.
3	these CAS numbers would contain a trivalent chromium	3	MR. RYAN: Unfortunately, the page numbers
4	species.	4	on my copy from the pre-hearing exchange were cut
5	MR. FIGUR: Thank you.	5	off so I couldn't find it. Thank you.
6	MR. RYAN: Your Honor, may I ask a	6	JUDGE COUGHLIN: Okay, all right.
7	question real quick? This doesn't appear to match my	7	MR. FIGUR: Okay, Dr. Miller, turning back
8	Exhibit 32.	8	to your primary tasks for this matter, what did you
9	JUDGE COUGHLIN: Okay.	9	do after you made your preliminary prediction that
10	MR. RYAN: From the pre-hearing exchange.	10	the other 12 drums likely would fail the TCLP for
11	What page in Exhibit 32 are you on?	11	chromium?
12	MR. FIGUR: We are on 33, I believe.	12	MR. MILLER: So then I began an in-depth
13	MR. RYAN: Under Section 3? Page 33? The	13	study of the product. I also reviewed all the
14	numbers are cut off on my copy. Can you pull up 33	14	relevant literature that I could find as it relates
15	again?	15	to this product. I once again went back to NEIC's
16	MR. MORRIS: Yes.	16	field notes, field data, the laboratory notes, all
17	MR. RYAN: Page 33 of 8 is what we're	17	of the laboratory notes, all of the laboratory data
18	looking at?	18	and reevaluated my preliminary prediction that the
19	MR. MORRIS: Exhibit 32, Page 33.	19	material would fail the TCLP test, and I began that
20	MR. RYAN: That's it, thank you. Okay.	20	study.
21	JUDGE COUGHLIN: All right, can you see	21	MR. FIGUR: Thank you. Can you put up Page
22		22	3 of the demonstrative now, please? Can you briefly
	282		000
			283
1	describe what's on the screen now?	1	MR. MILLER: Yes, sir. I used EPA's
1 2		1 2	
	describe what's on the screen now?		MR. MILLER: Yes, sir. I used EPA's
2	describe what's on the screen now? MR. MILLER: So this demonstrative is a	2	MR. MILLER: Yes, sir. I used EPA's software called MINTEQA2. This is a computer
2	describe what's on the screen now? MR. MILLER: So this demonstrative is a list of the most relevant literature that was cited	3	MR. MILLER: Yes, sir. I used EPA's software called MINTEQA2. This is a computer software that predicts geochemical equilibrium in
2 3 4	describe what's on the screen now? MR. MILLER: So this demonstrative is a list of the most relevant literature that was cited in my expert report. It's broken down into three	2 3 4	MR. MILLER: Yes, sir. I used EPA's software called MINTEQA2. This is a computer software that predicts geochemical equilibrium in aqueous solutions, which is another way, much more
2 3 4 5	describe what's on the screen now? MR. MILLER: So this demonstrative is a list of the most relevant literature that was cited in my expert report. It's broken down into three different components. The first is a list of	2 3 4 5	MR. MILLER: Yes, sir. I used EPA's software called MINTEQA2. This is a computer software that predicts geochemical equilibrium in aqueous solutions, which is another way, much more simple to say this software predicts what is
2 3 4 5 6	describe what's on the screen now? MR. MILLER: So this demonstrative is a list of the most relevant literature that was cited in my expert report. It's broken down into three different components. The first is a list of industrial chemical references, so I used these	2 3 4 5	MR. MILLER: Yes, sir. I used EPA's software called MINTEQA2. This is a computer software that predicts geochemical equilibrium in aqueous solutions, which is another way, much more simple to say this software predicts what is dissolved in a solution and what might be
2 3 4 5 6 7	describe what's on the screen now? MR. MILLER: So this demonstrative is a list of the most relevant literature that was cited in my expert report. It's broken down into three different components. The first is a list of industrial chemical references, so I used these materials to understand this product. Then second is	2 3 4 5 6 7	MR. MILLER: Yes, sir. I used EPA's software called MINTEQA2. This is a computer software that predicts geochemical equilibrium in aqueous solutions, which is another way, much more simple to say this software predicts what is dissolved in a solution and what might be precipitated.
2 3 4 5 6 7 8	describe what's on the screen now? MR. MILLER: So this demonstrative is a list of the most relevant literature that was cited in my expert report. It's broken down into three different components. The first is a list of industrial chemical references, so I used these materials to understand this product. Then second is physical and chemical standards, so I used these	2 3 4 5 6 7 8	MR. MILLER: Yes, sir. I used EPA's software called MINTEQA2. This is a computer software that predicts geochemical equilibrium in aqueous solutions, which is another way, much more simple to say this software predicts what is dissolved in a solution and what might be precipitated. MR. FIGUR: What were the results of your
2 3 4 5 6 7 8 9	describe what's on the screen now? MR. MILLER: So this demonstrative is a list of the most relevant literature that was cited in my expert report. It's broken down into three different components. The first is a list of industrial chemical references, so I used these materials to understand this product. Then second is physical and chemical standards, so I used these references to make sure that the atomic mass of	2 3 4 5 6 7 8 9	MR. MILLER: Yes, sir. I used EPA's software called MINTEQA2. This is a computer software that predicts geochemical equilibrium in aqueous solutions, which is another way, much more simple to say this software predicts what is dissolved in a solution and what might be precipitated. MR. FIGUR: What were the results of your geochemical modeling?
2 3 4 5 6 7 8 9	describe what's on the screen now? MR. MILLER: So this demonstrative is a list of the most relevant literature that was cited in my expert report. It's broken down into three different components. The first is a list of industrial chemical references, so I used these materials to understand this product. Then second is physical and chemical standards, so I used these references to make sure that the atomic mass of chromium that I used was correct.	2 3 4 5 6 7 8 9	MR. MILLER: Yes, sir. I used EPA's software called MINTEQA2. This is a computer software that predicts geochemical equilibrium in aqueous solutions, which is another way, much more simple to say this software predicts what is dissolved in a solution and what might be precipitated. MR. FIGUR: What were the results of your geochemical modeling? MR. MILLER: So when I performed this
2 3 4 5 6 7 8 9 10	describe what's on the screen now? MR. MILLER: So this demonstrative is a list of the most relevant literature that was cited in my expert report. It's broken down into three different components. The first is a list of industrial chemical references, so I used these materials to understand this product. Then second is physical and chemical standards, so I used these references to make sure that the atomic mass of chromium that I used was correct. Then the third was specific research that	2 3 4 5 6 7 8 9 10	MR. MILLER: Yes, sir. I used EPA's software called MINTEQA2. This is a computer software that predicts geochemical equilibrium in aqueous solutions, which is another way, much more simple to say this software predicts what is dissolved in a solution and what might be precipitated. MR. FIGUR: What were the results of your geochemical modeling? MR. MILLER: So when I performed this model of strontium chromate in the TCLP leachate,
2 3 4 5 6 7 8 9 10 11	describe what's on the screen now? MR. MILLER: So this demonstrative is a list of the most relevant literature that was cited in my expert report. It's broken down into three different components. The first is a list of industrial chemical references, so I used these materials to understand this product. Then second is physical and chemical standards, so I used these references to make sure that the atomic mass of chromium that I used was correct. Then the third was specific research that I was able to find in the scientific literature with	2 3 4 5 6 7 8 9 10 11	MR. MILLER: Yes, sir. I used EPA's software called MINTEQA2. This is a computer software that predicts geochemical equilibrium in aqueous solutions, which is another way, much more simple to say this software predicts what is dissolved in a solution and what might be precipitated. MR. FIGUR: What were the results of your geochemical modeling? MR. MILLER: So when I performed this model of strontium chromate in the TCLP leachate, what the model results showed was that chromium was
2 3 4 5 6 7 8 9 10 11 12	describe what's on the screen now? MR. MILLER: So this demonstrative is a list of the most relevant literature that was cited in my expert report. It's broken down into three different components. The first is a list of industrial chemical references, so I used these materials to understand this product. Then second is physical and chemical standards, so I used these references to make sure that the atomic mass of chromium that I used was correct. Then the third was specific research that I was able to find in the scientific literature with respect to the different components listed in the	2 3 4 5 6 7 8 9 10 11 12 13	MR. MILLER: Yes, sir. I used EPA's software called MINTEQA2. This is a computer software that predicts geochemical equilibrium in aqueous solutions, which is another way, much more simple to say this software predicts what is dissolved in a solution and what might be precipitated. MR. FIGUR: What were the results of your geochemical modeling? MR. MILLER: So when I performed this model of strontium chromate in the TCLP leachate, what the model results showed was that chromium was in excess of 2,000 milligrams per liter, which is 400 times the regulatory limit under RCRA. It's also much higher than what the actual TCLP results were
2 3 4 5 6 7 8 9 10 11 12 13	describe what's on the screen now? MR. MILLER: So this demonstrative is a list of the most relevant literature that was cited in my expert report. It's broken down into three different components. The first is a list of industrial chemical references, so I used these materials to understand this product. Then second is physical and chemical standards, so I used these references to make sure that the atomic mass of chromium that I used was correct. Then the third was specific research that I was able to find in the scientific literature with respect to the different components listed in the SDS sheet.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	MR. MILLER: Yes, sir. I used EPA's software called MINTEQA2. This is a computer software that predicts geochemical equilibrium in aqueous solutions, which is another way, much more simple to say this software predicts what is dissolved in a solution and what might be precipitated. MR. FIGUR: What were the results of your geochemical modeling? MR. MILLER: So when I performed this model of strontium chromate in the TCLP leachate, what the model results showed was that chromium was in excess of 2,000 milligrams per liter, which is 400 times the regulatory limit under RCRA. It's also
2 3 4 5 6 7 8 9 10 11 12 13 14 15	describe what's on the screen now? MR. MILLER: So this demonstrative is a list of the most relevant literature that was cited in my expert report. It's broken down into three different components. The first is a list of industrial chemical references, so I used these materials to understand this product. Then second is physical and chemical standards, so I used these references to make sure that the atomic mass of chromium that I used was correct. Then the third was specific research that I was able to find in the scientific literature with respect to the different components listed in the SDS sheet. MR. FIGUR: Thank you. You were going to	2 3 4 5 6 7 8 9 10 11 12 13 14 15	MR. MILLER: Yes, sir. I used EPA's software called MINTEQA2. This is a computer software that predicts geochemical equilibrium in aqueous solutions, which is another way, much more simple to say this software predicts what is dissolved in a solution and what might be precipitated. MR. FIGUR: What were the results of your geochemical modeling? MR. MILLER: So when I performed this model of strontium chromate in the TCLP leachate, what the model results showed was that chromium was in excess of 2,000 milligrams per liter, which is 400 times the regulatory limit under RCRA. It's also much higher than what the actual TCLP results were
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	describe what's on the screen now? MR. MILLER: So this demonstrative is a list of the most relevant literature that was cited in my expert report. It's broken down into three different components. The first is a list of industrial chemical references, so I used these materials to understand this product. Then second is physical and chemical standards, so I used these references to make sure that the atomic mass of chromium that I used was correct. Then the third was specific research that I was able to find in the scientific literature with respect to the different components listed in the SDS sheet. MR. FIGUR: Thank you. You were going to mention another step you took in your analysis.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	MR. MILLER: Yes, sir. I used EPA's software called MINTEQA2. This is a computer software that predicts geochemical equilibrium in aqueous solutions, which is another way, much more simple to say this software predicts what is dissolved in a solution and what might be precipitated. MR. FIGUR: What were the results of your geochemical modeling? MR. MILLER: So when I performed this model of strontium chromate in the TCLP leachate, what the model results showed was that chromium was in excess of 2,000 milligrams per liter, which is 400 times the regulatory limit under RCRA. It's also much higher than what the actual TCLP results were from the lab.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	describe what's on the screen now? MR. MILLER: So this demonstrative is a list of the most relevant literature that was cited in my expert report. It's broken down into three different components. The first is a list of industrial chemical references, so I used these materials to understand this product. Then second is physical and chemical standards, so I used these references to make sure that the atomic mass of chromium that I used was correct. Then the third was specific research that I was able to find in the scientific literature with respect to the different components listed in the SDS sheet. MR. FIGUR: Thank you. You were going to mention another step you took in your analysis. Could you please tell us about that now?	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	MR. MILLER: Yes, sir. I used EPA's software called MINTEQA2. This is a computer software that predicts geochemical equilibrium in aqueous solutions, which is another way, much more simple to say this software predicts what is dissolved in a solution and what might be precipitated. MR. FIGUR: What were the results of your geochemical modeling? MR. MILLER: So when I performed this model of strontium chromate in the TCLP leachate, what the model results showed was that chromium was in excess of 2,000 milligrams per liter, which is 400 times the regulatory limit under RCRA. It's also much higher than what the actual TCLP results were from the lab. MR. FIGUR: After obtaining the results
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	describe what's on the screen now? MR. MILLER: So this demonstrative is a list of the most relevant literature that was cited in my expert report. It's broken down into three different components. The first is a list of industrial chemical references, so I used these materials to understand this product. Then second is physical and chemical standards, so I used these references to make sure that the atomic mass of chromium that I used was correct. Then the third was specific research that I was able to find in the scientific literature with respect to the different components listed in the SDS sheet. MR. FIGUR: Thank you. You were going to mention another step you took in your analysis. Could you please tell us about that now? MR. MILLER: So what I failed to mention	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	MR. MILLER: Yes, sir. I used EPA's software called MINTEQA2. This is a computer software that predicts geochemical equilibrium in aqueous solutions, which is another way, much more simple to say this software predicts what is dissolved in a solution and what might be precipitated. MR. FIGUR: What were the results of your geochemical modeling? MR. MILLER: So when I performed this model of strontium chromate in the TCLP leachate, what the model results showed was that chromium was in excess of 2,000 milligrams per liter, which is 400 times the regulatory limit under RCRA. It's also much higher than what the actual TCLP results were from the lab. MR. FIGUR: After obtaining the results from the geochemical model, did you attempt to
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	describe what's on the screen now? MR. MILLER: So this demonstrative is a list of the most relevant literature that was cited in my expert report. It's broken down into three different components. The first is a list of industrial chemical references, so I used these materials to understand this product. Then second is physical and chemical standards, so I used these references to make sure that the atomic mass of chromium that I used was correct. Then the third was specific research that I was able to find in the scientific literature with respect to the different components listed in the SDS sheet. MR. FIGUR: Thank you. You were going to mention another step you took in your analysis. Could you please tell us about that now? MR. MILLER: So what I failed to mention is that I also performed geochemical modeling of the	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	MR. MILLER: Yes, sir. I used EPA's software called MINTEQA2. This is a computer software that predicts geochemical equilibrium in aqueous solutions, which is another way, much more simple to say this software predicts what is dissolved in a solution and what might be precipitated. MR. FIGUR: What were the results of your geochemical modeling? MR. MILLER: So when I performed this model of strontium chromate in the TCLP leachate, what the model results showed was that chromium was in excess of 2,000 milligrams per liter, which is 400 times the regulatory limit under RCRA. It's also much higher than what the actual TCLP results were from the lab. MR. FIGUR: After obtaining the results from the geochemical model, did you attempt to understand the seemingly large difference between
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	describe what's on the screen now? MR. MILLER: So this demonstrative is a list of the most relevant literature that was cited in my expert report. It's broken down into three different components. The first is a list of industrial chemical references, so I used these materials to understand this product. Then second is physical and chemical standards, so I used these references to make sure that the atomic mass of chromium that I used was correct. Then the third was specific research that I was able to find in the scientific literature with respect to the different components listed in the SDS sheet. MR. FIGUR: Thank you. You were going to mention another step you took in your analysis. Could you please tell us about that now? MR. MILLER: So what I failed to mention is that I also performed geochemical modeling of the strontium chromate pigment, as well.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	MR. MILLER: Yes, sir. I used EPA's software called MINTEQA2. This is a computer software that predicts geochemical equilibrium in aqueous solutions, which is another way, much more simple to say this software predicts what is dissolved in a solution and what might be precipitated. MR. FIGUR: What were the results of your geochemical modeling? MR. MILLER: So when I performed this model of strontium chromate in the TCLP leachate, what the model results showed was that chromium was in excess of 2,000 milligrams per liter, which is 400 times the regulatory limit under RCRA. It's also much higher than what the actual TCLP results were from the lab. MR. FIGUR: After obtaining the results from the geochemical model, did you attempt to understand the seemingly large difference between the model and the lab results?

285

287

284

- 1 back and investigate again the individual components
- 2 listed on the safety data sheet for this product.
- 3 What I was aware of and became satisfied with is
- 4 that there were three different components within
- this yellow primer that explained the difference
- between the geochemical model and the laboratory
- 7 analytical results.
- 8 MR. FIGUR: Can you quickly explain those
- 9 three?
- 10 MR. MILLER: So this is a polyurethane
- 11 product. If you've ever had a wooden fence, you
- apply polyurethane. Polyurethane is hydrophobic. It 12
- 13 doesn't want to dissolve in the TCLP extractioning
- 14 solution. So that is one reason why the
- 15 concentration of chromium is different from the
- model.
- 17 The second reason that the model results
- 18 were higher than the laboratory results would be
- 19 this product, polyurethane, when this is put
- together, the strontium chromate pigments, those
- pigments will actually get physically wrapped up by
- 22 the polyurethane compounds. As a result, they are

- sequestered within the polyurethane product, which then again will not dissolve.
- 3 There's one other factor then. I'm
- blanking on it at the moment. Oh, and so a third
- component is actually two other ingredients that are
- listed on the safety data sheet. One of those
- ingredients for the product is kaolin, and a second
- ingredient in the product is titanium dioxide.
- 9 The literature that I cited in my expert
- 10 report goes on to demonstrate that once the
- strontium chromate, if it was exposed to the TCLP
- 12 leachate, those pigments may also absorb or adsorb,
- 13 more correctly, the chromium that had been leached
- 14 into the TCLP procedure. So think of it as that
- chromium atom being absorbed onto the surface of
- those pigments, and then that chromium would no
- 17 longer be in the TCLP.
- 18 So between these different factors, I
- 19 felt like I adequately understood why there was such
- a large difference between the results of the
- 21 geochemical model and the laboratory results.
- 22 MR. FIGUR: Was the modeling useful? If

286

- 1 make it easier to explain my report, as well as a
- few annotations.
- 3 MR. FIGUR: Can you please walk us through
- the table?
- 5 MR. MILLER: So this is a table, in the
- first column it lists the 20 containers of material
- that was consistent with the yellow primer that the
- field staff had sampled. Across the top of the
- table, the second column are the XRF chromium
- 10 results. These were what were measured by the field
- 11 staff.
- 12 The next column is the measured TCLP
- 13 chromium, so these results are from the NEIC
- laboratory, what we actually measured in the TCLP
- leachate. The next column is the measured TCLP
- leachate chromium. If I could back up just a little 16
- 17 bit, the first column, Drums 6 through 29, again,
- 18 those are the results from the eight drums that the
- 19 laboratory actually tested.
- 20 And then Drum 3 through Drum 32, that's
- 21 just approximately the bottom half of this table,
- 22 these are the results for the 12 drums that NEIC

1 so, how? 2 MR. MILLER: The modeling is very useful. 3 So first off, I wanted to make sure that I could

- explain where the chromium came from. The model
- 5 predicts that strontium chromate pigment will
- 6 dissolve in the TCLP procedure. I wanted to
- 7 understand hey, what's the maximum concentration
- 8 that could dissolve and the analytical results are
- less than that. It gives further confidence in the
- 10 results from the laboratory.
- 11 MR. FIGUR: When you say maximum
- 12 concentration, what did you use as your starting
- 13
- 14 MR. MILLER: The starting point for the
- 15 maximum concentration in this model is the strontium
- 16 chromate pigment based on the composition listed in
- 17 the safety data sheets, and that would be at the low
- 18 end. I used the low end for this particular model.
- 19 MR. FIGUR: Thank you. Please move to Page 20 4. Is this table from your expert report?
- 21 MR. MILLER: This is similar to Table 5 in
- 22 my expert report. However, I rearranged the data to

288 289 1 field staff took a sample, but the sample was not 1 were reported. Those values range from about 37 all 2 returned to the laboratory for further analyses. So the way through 350 milligrams of chromium per 3 the second column shows the XRF results. liter. For Drums 3 through Drums 32, you will see 4 Those XRF results are the amount of that there is N/A, which is Not Applicable or Not 5 chromium that NEIC field staff tested. You'll see Analyzed. We didn't have laboratory samples for 6 from Footnote 1 at the top of the table, next to those. 7 milligrams per kilogram, that first footnote I would 7 Continuing on to the next column entitled like to explain. The NEIC field staff walked out measured TCLP leachable chromium and percentage. So 9 with the XRF. XRF is capable of measuring metals in

10 the field. 11 When NEIC field staff performed those 12 measurements, because the concentration of chromium 13 in these products are so very high, it exceeds what's called the linear range of the instrument. So 15 these concentrations, as I've noted, are

16 conservative, semi-quantitative results. Again, the 17 concentration is so high the field data, the 18 instrument gets a little wonky. But these are a good 19 estimate of the concentrations.

20 So the third column is the measured TCLP 21 chromium. So again, these are the eight drums that 22 NEIC field staff brought back with the values that

to derive these numbers, what I did was to take the measured TCLP chromium, and that was the denominator from the measured XRF chromium. So the measured XRF 12 for Drum 6 was 12,000. I divided that by the actual 13 analytical results of 36.8, and what you get is a 14 measured TCLP of 0.31 percent. 15 I did that for all the eight drums that 16 were tested. You see the measured TCLP was 0.31 all 17 the way up to 1.5 percent leachable chromium. The next column to the right is the predicted TCLP chromium. You'll note for the eight drums which NEIC had samples, it says Not Applicable. I did not make a predicted TCLP number there because we have a

measured TCLP number. But for Drums 3 through 32,

290

291

1 there are a predicted TCLP chromium number. 2 So what I'd like to explain is how that

3 number is derived, and the column to the left is the

0.29 percent for the measured TCLP leachable

5 chromium. If you were to add, for all eight drums,

6 if you were to add up those values and get an average leachable chromium from the eight drums,

what you would get is a value of approximately 0.42

9 percent leachable chromium. 10 That would include Drum 22, which is 11 highlighted in yellow. Drum 22 is 10 times higher, 12 way higher than the average of the remaining 13 results. I wanted to make sure to make a 14 conservative prediction of what the predicted TCLP 15 would be, so I removed Drum 22 from my calculation. 16 That is how you get the value of 17 predicted leachable chromium of 0.29 percent. I 18 wanted to make sure to have a conservative value 19 when making the prediction. So then you --

MR. FIGUR: I'm sorry. You go ahead. I

MR. MILLER: So when you multiple 0.29

thought you were pausing, I apologize.

percent by the field measured XRF chromium, which is for Drum 3 16,000, the predicted TCLP chromium comes out at 46 milligrams of chromium per liter in the TCLP leachate. That's how those numbers are derived. 5 And then the last column on the right is the actual or predicted RCRA toxicity characteristics. So given the information for those eight drums at the top, the information I have and the laboratory results, those six drums do meet the definition of a RCRA characteristic hazardous waste 11 for toxicity.

12 MR. FIGUR: You derived the numbers for 13 the 12 drums at the bottom of the table and predicted TCLP numbers for them. You've mentioned 15 you've been conservative in getting there. Have you 16 taken any further steps before reaching your 17 conclusion that you didn't include in the table? 18 MR. MILLER: I did also consider, in my 19 training as an analytical chemist, I wanted to be

conservative in making this prediction of what the

21 TCLP chromium would be, but I should not ignore 22 data. So whenever I considered the predicted values,

20

21

22

292 293 1 I went back and said that one Drum 22, it is a valid RCRA chromium level for the characteristic of 2 analytical result. toxicity. That value is 5 milligrams per liter, and 3 I believe that those 12 drums would likely exceed, I did not use that in coming up with the 4 conservative estimate, but I did use that value -by at least a factor of five, that critical level. 5 5 when I considered the variability among the MR. FIGUR: Thank you, Dr. Miller. No analytical results, I included that value because a further questions at this time. 7 high value or a value that's very different is going MR. RYAN: I have about two or three to result in an uncertainty value that would be 8 questions for you, Dr. Miller. I'm Mark Ryan. I 9 9 larger. represent Prime. You said earlier in your testimony 10 that you were asked by the team what was in the So after I considered all the data, the 11 laboratory data, I came up with a more conservative other 12 drums. Are you aware from your 12 12 estimate of what the final TCLP results would be for conversations with the team -- I assume by team you 13 mean the EPA counsel -- are you aware from the team those 12 drums in question. 14 MR. FIGUR: So Dr. Miller, in your expert 14 that Prime has never questioned the contents of 15 15 these drums? opinion, would the yellow material in the 12 drums not sampled NEIC have exceeded the RCRA toxicity 16 MR. MILLER: I'm sorry? Repeat that again? 17 17 characteristic for chromium? MR. RYAN: Are you aware from working with 18 18 the EPA that Prime in this case has never questioned MR. MILLER: Yes. It is my opinion based 19 on the known chemistry of chromium, the known 19 the contents of these drums? 20 20 MR. MILLER: Yes, I believe I'm aware of chemistry of the strontium chromate pigment, the 21 that fact. data that I was presented and reviewed, it is my 22 opinion that all 12 of those drums would exceed the 22 MR. RYAN: and you mentioned on the 294 295 1 JUDGE COUGHLIN: Okay. And Mr. Ryan, I 1 polyurethane, you were discussing this as polyurethane primer, that it was hydrophobic. want to just clarify and make sure I'm following. Hydrophobic means it doesn't mix with water really, When you asked the witness that Prime has never doesn't it? Isn't that true? questioned the contents of these drums, you're 5 referring to the 12? MR. MILLER: Yes. 6 6 MR. RYAN: And I asked you a question MR. RYAN: To any of them. 7 7 about this earlier on that demonstrative, you JUDGE COUGHLIN: Any of them? 8 8 mentioned the flashpoint, you were putting up the MR. RYAN: Yeah. It's our position that 9 results that you had seen from the NEIC 9 those drums were the paint that we picked up from 10 investigators who collected their samples on August 10 PPG and they made it back to Salt Lake City and 11 we've never questioned what's inside those drums. 11 24th. But just to be clear, you, in your analytical 12 12 JUDGE COUGHLIN: Okay, all right, thank chemistry, in your report, you didn't take an 13 independent look at flashpoint, did you? 13 you. Any re-direct? 14 14 MR. MILLER: I reviewed all of the MR. FIGUR: No, no further questions. 15 flashpoint results from the NEIC laboratory. 15 Thank you. 16 16 JUDGE COUGHLIN: All right. Dr. Miller, MR. RYAN: Yes, I understand that. But you 17 17 didn't do any lab work yourself on flashpoint on the thank you very much for your testimony. 18 samples from these --18 MR. MILLER: Thank you.

19

21

work.

22 Your Honor.

MR. MILLER: No, sir, I did not do any lab

MR. RYAN: That's all I have. Thank you,

19

20

21

JUDGE COUGHLIN: Okay, it's 4:20. I don't

know who your next witness is and whether that means

you might need to break and continue or you want to

22 just start fresh in the morning? Where are we?

296 297 1 MR. FIGUR: Your Honor, our next witness 1 8:00? 2 2 MR. FIGUR: We're amenable. is our penalty witness and her testimony will 3 probably be lengthy, and I'm guessing cross will be, JUDGE COUGHLIN: Okay, great. That will 4 too. So might make most sense to start fresh in the maybe help us with some timing, too. Why don't we do 5 that? We'll reconvene at 8:00 a.m. tomorrow. Let me morning. 6 JUDGE COUGHLIN: All right. How do you just check in quickly while we have a few minutes. 7 Lunch, would you like an hour tomorrow? Would you feel about that, Prime? 8 like to try to shorten it? Do you want to see how it MR. RYAN: We're fine with it, Your Honor. 9 JUDGE COUGHLIN: Okay, all right. I hate goes? I know that the food options are a little bit 10 10 challenging because there's nothing really close. We to sacrifice time, but I also want to make it practical, too. Is there anyone else that could be ended up ordering in. 12 12 called to -- no? MR. RYAN: Your Honor, speaking for 13 MR. FIGUR: No, our only other witness 13 myself, an hour would be nice, but I also am 14 will be a rebuttal witness. I should've checked with cognizant of the possibly tight schedule considering 15 how things are going so far today. We shall see. I you first, but do you feel the same way? 16 JUDGE COUGHLIN: Basically there's no good think maybe Wednesday we look at shortening things 17 use of the remaining 25 minutes we've got. Okay, all 17 up to keep it moving? I think tomorrow we would 18 right. So why don't we do that then? We'll wrap up 18 probably enjoy an hour. 19 19 for today. We can get started at 8:30 if that still JUDGE COUGHLIN: Okay, so let's plan on 20 20 that. I only ask because obviously if we're going to works for everyone? 21 shorten it you need to make arrangements, and I want MR. RYAN: We can go earlier, Your Honor. 22 JUDGE COUGHLIN: Okay. How about that? you to at least have a heads-up to do that. So we'll 298 $\,\,1\,\,$ plan on an hour tomorrow and then see where we stand 2 for Wednesday. Anything else before we wrap up? 3 MR. FIGUR: Nothing from us, Your Honor. 4 JUDGE COUGHLIN: Okay. Then what I'll do 5 is for today we'll just stand in recess. We'll pick 6 up tomorrow at 8:00 a.m. I'm just going to take a $7 \hspace{0.1in}$ moment to collect my things, but we don't need to 8 stay on the record for that. I'll just reiterate not to have any conversations with me. No one has, but 10 I'm just putting that out there. I hope you all have 11 a good night. We'll see you in the morning. 12 MR. RYAN: Thank you, Your Honor. 13 MR. FIGUR: Thank you, Your Honor. 14 (Whereupon, the above-entitled matter 15 went off the record at 4:20 p.m.) 16 17 18 19 20 21 22

A
a.m 1:16 6:2,15 26:11 90:6,10,11 221:21 226:20 297:5 298:6 abandoned 251:16
abides 23:22 ability 22:18 228:9 235:5
able 9:1 70:19 80:22 90:14 94:11,15 98:3 99:14 103:12 111:20 112:7,9 176:7 178:14 180:8 183:13 185:6 187:4,6 198:16 202:20 213:3 224:6 225:2,19 226:1 229:9 232:14 267:14 270:3 282:12
above-entitled 1:15 90:9 170:17 182:17
239:5 270:17 162:17 239:5 270:15 298:14 above-referred 35:7 43:9 44:9 49:6 63:22
74:11 75:2 90:21 114:9 115:8 118:14 119:22 120:18 122:1 122:16 123:10 124:13 125:11 126:9 127:4
128:5,20 129:16 131:7 134:15 135:5 136:1,16 137:13 138:7 139:14 140:5 141:6 142:18 143:14
144:4,21 145:13 146:10 147:2 148:3 148:19 149:19 150:14 151:11 152:3,22 153:13 155:7,19
156:20 157:10 158:8 158:21 159:18 160:7 161:9 162:1,21
163:15 164:11 165:1 165:19 166:12 167:12 168:4,20
absolutely 21:16 62:13 64:16 103:22 170:1 204:7 211:6 234:5,7
234:13 238:21 267:17 absorb 285:12 absorbed 285:15 Abstracts 279:20
abundantly 231:4 accept 23:10 acceptable 91:13 99:13 accepted 278:12 access 65:10 67:22

89:5,10,10 98:3 201:18 accessible 37:3 accident 18:5 27:10 accidents 28:11 accommodation 211:12 accompanied 6:17 117:7 accomplished 176:14 account 25:3 190:2 accountable 13:18 accuracy 46:6 72:13 234:20 accurate 43:14 49:20 70:20 92:22 93:3 116:4 120:6 122:5 123:20 125:22 127:11 127:21 129:7 131:17 135:15 137:4 139:4 140:16 143:4 144:11 146:1 147:9 149:8,9 151:2 152:13 154:1 156:12 157:21 159:9 160:16 162:11 164:2 165:11 167:3 168:11 188:15 190:8 192:15 193:3 199:6 204:21 206:14 209:20 244:4 266:1 accurately 20:10 47:14 190:10 acknowledge 58:14 203:12 276:12 acquainted 50:19 acronym 21:9 42:1 87:12 acronyms 21:8,21 Act 241:21 **acted** 24:3 action 196:6,7 209:5 actionable 74:6 activities 41:7,21 activity 3:9,12,13,14 42:1 44:14,16,17,21 47:8 48:19 49:4.10 51:9 60:7 68:6 70:6 70:20 73:10 92:22 121:20 122:6 125:9 127:13 130:10 147:7 154:14 188:19 actors 31:17 32:1 actual 19:11 20:5 25:10 45:18 77:6 188:15 190:4 192:18 196:11

260:18 264:18,19 273:17 283:15 289:12 291:6 add 61:17 127:19 195:4 212:21 290:5.6 added 147:15 addition 191:9 242:4 247:11,17 additional 18:3 36:21 80:18 208:7 Additionally 46:12.16 92:10 additives 279:13 address 59:2 80:4,6,19 103:21 108:13 228:16 258:11 addressed 59:18 addresses 182:7 addressing 205:22 adds 214:9 adequate 9:9 253:15 adequately 19:16 103:12 285:19 adjust 9:6 Adjustment 37:17 adjustments 16:1 administrative 1:1,22 6:5 46:18 74:22 75:8 admire 235:1 admissibility 33:18 57:10 74:1 78:9 134:3 216:11 admissible 57:22 admission 35:2 93:8 264:5 admit 44:2 50:1 61:4 64:6,14 74:21 114:8 114:16 118:12 120:10 120:17 122:9 124:1 126:3 128:1 129:10 129:14 131:21 134:14 135:18 137:7.11 139:12 141:5 143:7 143:13 147:12 148:2 149:13,17 151:5 152:16 155:6 156:15 158:2 159:12 164:5 165:14 167:6 168:14 213:22 259:16 264:13 admits 116:7 139:7 140:20 144:14 146:4 154:4 160:20 162:14 admitted 10:12 15:19 23:6,9 35:6 42:6 44:8 74:9 81:11.12 107:11 120:17 122:15 124:12

126:8 128:4 135:21 144:20 146:9 151:9 152:21 156:19 158:6 159:17 161:7 162:20 164:9 165:18 167:11 168:19 174:3 181:3 189:3 192:7 196:14 205:21 209:18 218:3 245:1 260:7,13 265:6 266:10 admitting 75:9 79:6 208:21 **Adobe** 99:4,6 101:8,10 103:7 adsorb 285:12 advance 257:1 **advice** 71:12 advising 227:15 **Advisor** 6:18,20 aerial 5:14,15,17 affect 206:5 **affidavit** 4:15 58:7,10 61:11 62:6 63:6,15 64:3 69:12 73:12,14 73:20 74:6,8 83:10 87:22 88:1,22 92:13 92:15 115:20 117:8 117:12 119:3 121:16 123:15 125:16 127:9 129:4 130:10 131:12 132:3 135:10 136:21 138:15 143:2 144:9 145:18 147:7 149:2 150:19 152:8 153:18 156:10 157:15 159:4 160:12 162:6 163:20 165:6 166:17 168:9 228:22 229:3 231:10 affirm 239:16 **afford** 75:14 114:14 **afraid** 177:16 afternoon 239:10,11,12 agencies 26:10 41:17 219:11 220:22 agency 1:2 2:11,13 6:6 6:10 40:10 41:9 44:18 58:6,14 78:20 86:15 93:5 117:7,10,15 Agency's 117:11 agent 40:20 41:4,7 44:19 45:1,11,21 46:4 50:17 51:8,22 54:1,13 57:8 64:18 68:17,19 69:1,2,5,7 71:17,20 76:14 79:19 82:19.20 82:20 83:4 84:2,8,9

202:16 203:7 260:17

II			
	l	1	l
84:14,22 113:4,16	99:9,16 110:13	appeal 213:21	96:21 217:11 224:2
127:2 132:16 154:14	214:19	appear 47:7 102:7	231:1 233:14 260:13
154:17 166:22 172:7	Alyssa's 8:3	171:16 172:2 180:20	262:12
178:9 182:22 183:13	amenable 297:2	280:7	asks 21:3 224:18
184:10,11,13,14,18	American 254:5	APPEARANCES 2:1	aspect 178:4
184:18 185:3,7,13,17	amicably 202:4	appears 49:10 52:6,7	assertion 20:8
189:12 190:14 194:20	amount 75:13 101:15	53:5 101:6 174:12	assess 32:11
204:5 215:5 217:9	288:4	219:3 222:11,19	assessed 13:21 15:8
218:6 224:17 231:6,9	analyses 241:17 247:3	227:20 258:22 267:3	assessing 12:8 15:17
233:13 234:18 235:3	251:5 288:2	278:22	assessment 20:11
235:17 236:3,19	analysis 19:20 194:16	appendix 244:19 260:7	213:18
agents 45:3,5,7 60:10	198:22 242:2 247:9	261:21 262:9	assign 76:1
87:15	249:3 282:16	Applicable 289:4,20	assigned 47:11 69:2
ago 59:4,6 65:16 66:5	analyte 249:5 251:20	applied 12:6 14:6 46:15	70:6 163:11 164:20
66:17 97:12 107:20	analytes 251:4	210:3 253:1	166:8 184:11
172:15,20 191:10	analytical 19:3 53:9,14	applies 20:10,11	assignment 168:1
203:19 230:7 231:18	53:18 113:21 240:6	applies 20.10,11	assist 27:9,12,14,17,20
agree 69:9 70:1 85:2,11	245:11 246:3,15,22	appreciate 8:17 80:8	83:1 87:14,19 266:16
85:13 117:17 154:16	247:6 248:20,22	85:16 118:11 176:19	assistance 27:5 170:6
172:10 173:16 184:6	250:4,12,14 251:22	211:12 232:8 233:5	assisting 66:10 254:22
			_
185:2 186:18 188:14	252:4,10 254:1,12,13	235:10 238:14 267:15	assists 27:12
188:22 189:1 190:7	254:19 255:5,8,19	approach 79:7 199:12	associated 48:9 67:22
214:16 219:12 221:13	284:7 286:8 289:13	approached 186:3	68:3,7,13 70:15,21
222:9,21 226:22	291:19 292:2,6	appropriate 13:22 87:6	126:20 135:3 136:13
227:4,18	294:11	114:13 210:10 214:3	138:2 142:13 143:22
agreeable 103:20	analyze 251:10,18	214:11 232:2 236:3	148:16 150:10 151:20
agreed 134:10 188:17	analyzed 12:13 18:8	236:19 237:13 259:5	153:8 155:15 157:6
256:1	251:12 289:5	appropriately 12:6	158:16 161:19 164:19
agrees 227:16	annotations 287:2	approve 45:13	associations 252:20
ahead 38:10,21 39:21	answer 63:3 103:5,15	approximately 12:20	assume 186:17 293:12
41:2 43:21 48:15 58:3	130:12 172:16,17	40:18 46:4 58:12	assumed 101:13 109:2
II 68:0 61:17 67:17			1 100.0 110.1
58:9 61:12 62:14	186:15 193:12,16	83:11 172:20 215:15	109:9 110:1
65:12 81:22 86:9	194:14,15 217:9	224:12 274:6 287:21	assuming 61:2 104:16
65:12 81:22 86:9 87:18 121:12 140:10	194:14,15 217:9 225:2,15,17,19 226:1	224:12 274:6 287:21 290:8	assuming 61:2 104:16 atom 285:15
65:12 81:22 86:9 87:18 121:12 140:10 150:2 171:3 182:12	194:14,15 217:9 225:2,15,17,19 226:1 226:3,7 228:13 232:6	224:12 274:6 287:21 290:8 aqueous 283:4	assuming 61:2 104:16 atom 285:15 atomic 282:9
65:12 81:22 86:9 87:18 121:12 140:10 150:2 171:3 182:12 183:10 210:21 215:3	194:14,15 217:9 225:2,15,17,19 226:1 226:3,7 228:13 232:6 236:13 237:7	224:12 274:6 287:21 290:8 aqueous 283:4 area 5:14 185:9	assuming 61:2 104:16 atom 285:15 atomic 282:9 attached 110:4 119:20
65:12 81:22 86:9 87:18 121:12 140:10 150:2 171:3 182:12 183:10 210:21 215:3 217:7 226:7 231:1	194:14,15 217:9 225:2,15,17,19 226:1 226:3,7 228:13 232:6 236:13 237:7 answered 88:3	224:12 274:6 287:21 290:8 aqueous 283:4 area 5:14 185:9 argue 9:21 24:7 76:5	assuming 61:2 104:16 atom 285:15 atomic 282:9 attached 110:4 119:20 attaching 244:12
65:12 81:22 86:9 87:18 121:12 140:10 150:2 171:3 182:12 183:10 210:21 215:3 217:7 226:7 231:1 233:8 235:14 236:13	194:14,15 217:9 225:2,15,17,19 226:1 226:3,7 228:13 232:6 236:13 237:7 answered 88:3 anticipate 228:12	224:12 274:6 287:21 290:8 aqueous 283:4 area 5:14 185:9 argue 9:21 24:7 76:5 114:13 116:20 208:2	assuming 61:2 104:16 atom 285:15 atomic 282:9 attached 110:4 119:20 attaching 244:12 attachment 53:6,8
65:12 81:22 86:9 87:18 121:12 140:10 150:2 171:3 182:12 183:10 210:21 215:3 217:7 226:7 231:1 233:8 235:14 236:13 236:15 264:13 265:12	194:14,15 217:9 225:2,15,17,19 226:1 226:3,7 228:13 232:6 236:13 237:7 answered 88:3 anticipate 228:12 anticipation 72:21	224:12 274:6 287:21 290:8 aqueous 283:4 area 5:14 185:9 argue 9:21 24:7 76:5 114:13 116:20 208:2 argues 14:12,20 15:4	assuming 61:2 104:16 atom 285:15 atomic 282:9 attached 110:4 119:20 attaching 244:12 attachment 53:6,8 257:18
65:12 81:22 86:9 87:18 121:12 140:10 150:2 171:3 182:12 183:10 210:21 215:3 217:7 226:7 231:1 233:8 235:14 236:13 236:15 264:13 265:12 290:20	194:14,15 217:9 225:2,15,17,19 226:1 226:3,7 228:13 232:6 236:13 237:7 answered 88:3 anticipate 228:12 anticipation 72:21 anybody 46:13 86:3	224:12 274:6 287:21 290:8 aqueous 283:4 area 5:14 185:9 argue 9:21 24:7 76:5 114:13 116:20 208:2 argues 14:12,20 15:4 19:10	assuming 61:2 104:16 atom 285:15 atomic 282:9 attached 110:4 119:20 attaching 244:12 attachment 53:6,8 257:18 attachments 52:9,10
65:12 81:22 86:9 87:18 121:12 140:10 150:2 171:3 182:12 183:10 210:21 215:3 217:7 226:7 231:1 233:8 235:14 236:13 236:15 264:13 265:12 290:20 aid 112:17 231:8 267:12	194:14,15 217:9 225:2,15,17,19 226:1 226:3,7 228:13 232:6 236:13 237:7 answered 88:3 anticipate 228:12 anticipation 72:21 anybody 46:13 86:3 220:16 258:2 262:22	224:12 274:6 287:21 290:8 aqueous 283:4 area 5:14 185:9 argue 9:21 24:7 76:5 114:13 116:20 208:2 argues 14:12,20 15:4 19:10 argument 75:13 76:8	assuming 61:2 104:16 atom 285:15 atomic 282:9 attached 110:4 119:20 attaching 244:12 attachment 53:6,8 257:18 attachments 52:9,10 138:21
65:12 81:22 86:9 87:18 121:12 140:10 150:2 171:3 182:12 183:10 210:21 215:3 217:7 226:7 231:1 233:8 235:14 236:13 236:15 264:13 265:12 290:20 aid 112:17 231:8 267:12 aids 267:12	194:14,15 217:9 225:2,15,17,19 226:1 226:3,7 228:13 232:6 236:13 237:7 answered 88:3 anticipate 228:12 anticipation 72:21 anybody 46:13 86:3 220:16 258:2 262:22 anymore 264:9	224:12 274:6 287:21 290:8 aqueous 283:4 area 5:14 185:9 argue 9:21 24:7 76:5 114:13 116:20 208:2 argues 14:12,20 15:4 19:10 argument 75:13 76:8 207:18 209:17 210:5	assuming 61:2 104:16 atom 285:15 atomic 282:9 attached 110:4 119:20 attaching 244:12 attachment 53:6,8 257:18 attachments 52:9,10 138:21 attempt 19:14 176:3
65:12 81:22 86:9 87:18 121:12 140:10 150:2 171:3 182:12 183:10 210:21 215:3 217:7 226:7 231:1 233:8 235:14 236:13 236:15 264:13 265:12 290:20 aid 112:17 231:8 267:12 aids 267:12 akin 75:17	194:14,15 217:9 225:2,15,17,19 226:1 226:3,7 228:13 232:6 236:13 237:7 answered 88:3 anticipate 228:12 anticipation 72:21 anybody 46:13 86:3 220:16 258:2 262:22 anymore 264:9 anyway 213:7	224:12 274:6 287:21 290:8 aqueous 283:4 area 5:14 185:9 argue 9:21 24:7 76:5 114:13 116:20 208:2 argues 14:12,20 15:4 19:10 argument 75:13 76:8 207:18 209:17 210:5 arguments 14:11 15:20	assuming 61:2 104:16 atom 285:15 atomic 282:9 attached 110:4 119:20 attaching 244:12 attachment 53:6,8 257:18 attachments 52:9,10 138:21 attempt 19:14 176:3 193:13 283:18
65:12 81:22 86:9 87:18 121:12 140:10 150:2 171:3 182:12 183:10 210:21 215:3 217:7 226:7 231:1 233:8 235:14 236:13 236:15 264:13 265:12 290:20 aid 112:17 231:8 267:12 aids 267:12 akin 75:17 alarmed 33:7	194:14,15 217:9 225:2,15,17,19 226:1 226:3,7 228:13 232:6 236:13 237:7 answered 88:3 anticipate 228:12 anticipation 72:21 anybody 46:13 86:3 220:16 258:2 262:22 anymore 264:9 anyway 213:7 apologies 85:15 119:4	224:12 274:6 287:21 290:8 aqueous 283:4 area 5:14 185:9 argue 9:21 24:7 76:5 114:13 116:20 208:2 argues 14:12,20 15:4 19:10 argument 75:13 76:8 207:18 209:17 210:5 arguments 14:11 15:20 22:18 210:13	assuming 61:2 104:16 atom 285:15 atomic 282:9 attached 110:4 119:20 attaching 244:12 attachment 53:6,8 257:18 attachments 52:9,10 138:21 attempt 19:14 176:3 193:13 283:18 attend 205:12 245:4,16
65:12 81:22 86:9 87:18 121:12 140:10 150:2 171:3 182:12 183:10 210:21 215:3 217:7 226:7 231:1 233:8 235:14 236:13 236:15 264:13 265:12 290:20 aid 112:17 231:8 267:12 aids 267:12 akin 75:17 alarmed 33:7 alert 76:3	194:14,15 217:9 225:2,15,17,19 226:1 226:3,7 228:13 232:6 236:13 237:7 answered 88:3 anticipate 228:12 anticipation 72:21 anybody 46:13 86:3 220:16 258:2 262:22 anymore 264:9 anyway 213:7 apologies 85:15 119:4 170:15 256:19 257:6	224:12 274:6 287:21 290:8 aqueous 283:4 area 5:14 185:9 argue 9:21 24:7 76:5 114:13 116:20 208:2 argues 14:12,20 15:4 19:10 argument 75:13 76:8 207:18 209:17 210:5 arguments 14:11 15:20 22:18 210:13 arranged 12:21 17:16	assuming 61:2 104:16 atom 285:15 atomic 282:9 attached 110:4 119:20 attaching 244:12 attachment 53:6,8 257:18 attachments 52:9,10 138:21 attempt 19:14 176:3 193:13 283:18 attend 205:12 245:4,16 attended 173:18
65:12 81:22 86:9 87:18 121:12 140:10 150:2 171:3 182:12 183:10 210:21 215:3 217:7 226:7 231:1 233:8 235:14 236:13 236:15 264:13 265:12 290:20 aid 112:17 231:8 267:12 aids 267:12 akin 75:17 alarmed 33:7 alert 76:3 alerted 202:9	194:14,15 217:9 225:2,15,17,19 226:1 226:3,7 228:13 232:6 236:13 237:7 answered 88:3 anticipate 228:12 anticipation 72:21 anybody 46:13 86:3 220:16 258:2 262:22 anymore 264:9 anyway 213:7 apologies 85:15 119:4 170:15 256:19 257:6 257:14	224:12 274:6 287:21 290:8 aqueous 283:4 area 5:14 185:9 argue 9:21 24:7 76:5 114:13 116:20 208:2 argues 14:12,20 15:4 19:10 argument 75:13 76:8 207:18 209:17 210:5 arguments 14:11 15:20 22:18 210:13 arranged 12:21 17:16 arrangements 297:21	assuming 61:2 104:16 atom 285:15 atomic 282:9 attached 110:4 119:20 attaching 244:12 attachment 53:6,8 257:18 attachments 52:9,10 138:21 attempt 19:14 176:3 193:13 283:18 attend 205:12 245:4,16 attended 173:18 attention 111:13 173:14
65:12 81:22 86:9 87:18 121:12 140:10 150:2 171:3 182:12 183:10 210:21 215:3 217:7 226:7 231:1 233:8 235:14 236:13 236:15 264:13 265:12 290:20 aid 112:17 231:8 267:12 aids 267:12 akin 75:17 alarmed 33:7 alert 76:3 alerted 202:9 ALJ 31:4	194:14,15 217:9 225:2,15,17,19 226:1 226:3,7 228:13 232:6 236:13 237:7 answered 88:3 anticipate 228:12 anticipation 72:21 anybody 46:13 86:3 220:16 258:2 262:22 anymore 264:9 anyway 213:7 apologies 85:15 119:4 170:15 256:19 257:6 257:14 apologize 42:21 60:11	224:12 274:6 287:21 290:8 aqueous 283:4 area 5:14 185:9 argue 9:21 24:7 76:5 114:13 116:20 208:2 argues 14:12,20 15:4 19:10 argument 75:13 76:8 207:18 209:17 210:5 arguments 14:11 15:20 22:18 210:13 arranged 12:21 17:16 arrangements 297:21 arsenic 249:7,16 251:4	assuming 61:2 104:16 atom 285:15 atomic 282:9 attached 110:4 119:20 attaching 244:12 attachment 53:6,8 257:18 attachments 52:9,10 138:21 attempt 19:14 176:3 193:13 283:18 attend 205:12 245:4,16 attended 173:18 attention 111:13 173:14 173:20 178:4,18
65:12 81:22 86:9 87:18 121:12 140:10 150:2 171:3 182:12 183:10 210:21 215:3 217:7 226:7 231:1 233:8 235:14 236:13 236:15 264:13 265:12 290:20 aid 112:17 231:8 267:12 aids 267:12 akin 75:17 alarmed 33:7 alert 76:3 alerted 202:9 ALJ 31:4 allegations 4:6 150:12	194:14,15 217:9 225:2,15,17,19 226:1 226:3,7 228:13 232:6 236:13 237:7 answered 88:3 anticipate 228:12 anticipation 72:21 anybody 46:13 86:3 220:16 258:2 262:22 anymore 264:9 anyway 213:7 apologies 85:15 119:4 170:15 256:19 257:6 257:14 apologize 42:21 60:11 63:2 102:16 110:15	224:12 274:6 287:21 290:8 aqueous 283:4 area 5:14 185:9 argue 9:21 24:7 76:5 114:13 116:20 208:2 argues 14:12,20 15:4 19:10 argument 75:13 76:8 207:18 209:17 210:5 arguments 14:11 15:20 22:18 210:13 arranged 12:21 17:16 arrangements 297:21 arsenic 249:7,16 251:4 251:20	assuming 61:2 104:16 atom 285:15 atomic 282:9 attached 110:4 119:20 attaching 244:12 attachment 53:6,8 257:18 attachments 52:9,10 138:21 attempt 19:14 176:3 193:13 283:18 attend 205:12 245:4,16 attended 173:18 attention 111:13 173:14 173:20 178:4,18 184:1 187:8 226:17
65:12 81:22 86:9 87:18 121:12 140:10 150:2 171:3 182:12 183:10 210:21 215:3 217:7 226:7 231:1 233:8 235:14 236:13 236:15 264:13 265:12 290:20 aid 112:17 231:8 267:12 aids 267:12 akin 75:17 alarmed 33:7 alert 76:3 alerted 202:9 ALJ 31:4 allegations 4:6 150:12 allege 15:10	194:14,15 217:9 225:2,15,17,19 226:1 226:3,7 228:13 232:6 236:13 237:7 answered 88:3 anticipate 228:12 anticipation 72:21 anybody 46:13 86:3 220:16 258:2 262:22 anymore 264:9 anyway 213:7 apologies 85:15 119:4 170:15 256:19 257:6 257:14 apologize 42:21 60:11 63:2 102:16 110:15 119:11 171:5 175:22	224:12 274:6 287:21 290:8 aqueous 283:4 area 5:14 185:9 argue 9:21 24:7 76:5 114:13 116:20 208:2 argues 14:12,20 15:4 19:10 argument 75:13 76:8 207:18 209:17 210:5 arguments 14:11 15:20 22:18 210:13 arranged 12:21 17:16 arrangements 297:21 arsenic 249:7,16 251:4 251:20 aside 109:22	assuming 61:2 104:16 atom 285:15 atomic 282:9 attached 110:4 119:20 attaching 244:12 attachment 53:6,8 257:18 attachments 52:9,10 138:21 attempt 19:14 176:3 193:13 283:18 attend 205:12 245:4,16 attended 173:18 attended 173:18 attention 111:13 173:14 173:20 178:4,18 184:1 187:8 226:17 attorney 6:18,20 185:20
65:12 81:22 86:9 87:18 121:12 140:10 150:2 171:3 182:12 183:10 210:21 215:3 217:7 226:7 231:1 233:8 235:14 236:13 236:15 264:13 265:12 290:20 aid 112:17 231:8 267:12 aids 267:12 akin 75:17 alarmed 33:7 alert 76:3 alerted 202:9 ALJ 31:4 allegations 4:6 150:12 allege 15:10 alleged 20:2 230:20	194:14,15 217:9 225:2,15,17,19 226:1 226:3,7 228:13 232:6 236:13 237:7 answered 88:3 anticipate 228:12 anticipation 72:21 anybody 46:13 86:3 220:16 258:2 262:22 anymore 264:9 anyway 213:7 apologies 85:15 119:4 170:15 256:19 257:6 257:14 apologize 42:21 60:11 63:2 102:16 110:15 119:11 171:5 175:22 220:7,10 228:11	224:12 274:6 287:21 290:8 aqueous 283:4 area 5:14 185:9 argue 9:21 24:7 76:5 114:13 116:20 208:2 argues 14:12,20 15:4 19:10 argument 75:13 76:8 207:18 209:17 210:5 arguments 14:11 15:20 22:18 210:13 arranged 12:21 17:16 arrangements 297:21 arsenic 249:7,16 251:4 251:20 aside 109:22 asked 30:15 52:18,21	assuming 61:2 104:16 atom 285:15 atomic 282:9 attached 110:4 119:20 attaching 244:12 attachment 53:6,8 257:18 attachments 52:9,10 138:21 attempt 19:14 176:3 193:13 283:18 attend 205:12 245:4,16 attended 173:18 attended 173:18 attention 111:13 173:14 173:20 178:4,18 184:1 187:8 226:17 attorney 6:18,20 185:20 attorneys 6:16 87:14
65:12 81:22 86:9 87:18 121:12 140:10 150:2 171:3 182:12 183:10 210:21 215:3 217:7 226:7 231:1 233:8 235:14 236:13 236:15 264:13 265:12 290:20 aid 112:17 231:8 267:12 aids 267:12 akin 75:17 alarmed 33:7 alert 76:3 alerted 202:9 ALJ 31:4 allegations 4:6 150:12 allege 15:10 alleged 20:2 230:20 allow 52:8 75:16 76:4	194:14,15 217:9 225:2,15,17,19 226:1 226:3,7 228:13 232:6 236:13 237:7 answered 88:3 anticipate 228:12 anticipation 72:21 anybody 46:13 86:3 220:16 258:2 262:22 anymore 264:9 anyway 213:7 apologies 85:15 119:4 170:15 256:19 257:6 257:14 apologize 42:21 60:11 63:2 102:16 110:15 119:11 171:5 175:22 220:7,10 228:11 230:4 290:21	224:12 274:6 287:21 290:8 aqueous 283:4 area 5:14 185:9 argue 9:21 24:7 76:5 114:13 116:20 208:2 argues 14:12,20 15:4 19:10 argument 75:13 76:8 207:18 209:17 210:5 arguments 14:11 15:20 22:18 210:13 arranged 12:21 17:16 arrangements 297:21 arsenic 249:7,16 251:4 251:20 aside 109:22 asked 30:15 52:18,21 86:19 88:2 89:3 99:9	assuming 61:2 104:16 atom 285:15 atomic 282:9 attached 110:4 119:20 attaching 244:12 attachment 53:6,8 257:18 attachments 52:9,10 138:21 attempt 19:14 176:3 193:13 283:18 attend 205:12 245:4,16 attended 173:18 attention 111:13 173:14 173:20 178:4,18 184:1 187:8 226:17 attorney 6:18,20 185:20 attorneys 6:16 87:14 audible 130:12
65:12 81:22 86:9 87:18 121:12 140:10 150:2 171:3 182:12 183:10 210:21 215:3 217:7 226:7 231:1 233:8 235:14 236:13 236:15 264:13 265:12 290:20 aid 112:17 231:8 267:12 aids 267:12 akin 75:17 alarmed 33:7 alert 76:3 alerted 202:9 ALJ 31:4 allegations 4:6 150:12 allege 15:10 alleged 20:2 230:20 allow 52:8 75:16 76:4 192:22 207:13 211:16	194:14,15 217:9 225:2,15,17,19 226:1 226:3,7 228:13 232:6 236:13 237:7 answered 88:3 anticipate 228:12 anticipation 72:21 anybody 46:13 86:3 220:16 258:2 262:22 anymore 264:9 anyway 213:7 apologies 85:15 119:4 170:15 256:19 257:6 257:14 apologize 42:21 60:11 63:2 102:16 110:15 119:11 171:5 175:22 220:7,10 228:11	224:12 274:6 287:21 290:8 aqueous 283:4 area 5:14 185:9 argue 9:21 24:7 76:5 114:13 116:20 208:2 argues 14:12,20 15:4 19:10 argument 75:13 76:8 207:18 209:17 210:5 arguments 14:11 15:20 22:18 210:13 arranged 12:21 17:16 arrangements 297:21 arsenic 249:7,16 251:4 251:20 aside 109:22 asked 30:15 52:18,21 86:19 88:2 89:3 99:9 99:16 183:1 186:4	assuming 61:2 104:16 atom 285:15 atomic 282:9 attached 110:4 119:20 attaching 244:12 attachment 53:6,8 257:18 attachments 52:9,10 138:21 attempt 19:14 176:3 193:13 283:18 attend 205:12 245:4,16 attended 173:18 attention 111:13 173:14 173:20 178:4,18 184:1 187:8 226:17 attorney 6:18,20 185:20 attorneys 6:16 87:14 audible 130:12 audibly 172:16,17
65:12 81:22 86:9 87:18 121:12 140:10 150:2 171:3 182:12 183:10 210:21 215:3 217:7 226:7 231:1 233:8 235:14 236:13 236:15 264:13 265:12 290:20 aid 112:17 231:8 267:12 aids 267:12 akin 75:17 alarmed 33:7 alert 76:3 alerted 202:9 ALJ 31:4 allegations 4:6 150:12 allege 15:10 alleged 20:2 230:20 allow 52:8 75:16 76:4 192:22 207:13 211:16 allowed 198:7 273:11	194:14,15 217:9 225:2,15,17,19 226:1 226:3,7 228:13 232:6 236:13 237:7 answered 88:3 anticipate 228:12 anticipation 72:21 anybody 46:13 86:3 220:16 258:2 262:22 anymore 264:9 anyway 213:7 apologies 85:15 119:4 170:15 256:19 257:6 257:14 apologize 42:21 60:11 63:2 102:16 110:15 119:11 171:5 175:22 220:7,10 228:11 230:4 290:21 Appalachian 245:21 246:9	224:12 274:6 287:21 290:8 aqueous 283:4 area 5:14 185:9 argue 9:21 24:7 76:5 114:13 116:20 208:2 argues 14:12,20 15:4 19:10 argument 75:13 76:8 207:18 209:17 210:5 arguments 14:11 15:20 22:18 210:13 arranged 12:21 17:16 arrangements 297:21 arsenic 249:7,16 251:4 251:20 aside 109:22 asked 30:15 52:18,21 86:19 88:2 89:3 99:9	assuming 61:2 104:16 atom 285:15 atomic 282:9 attached 110:4 119:20 attaching 244:12 attachment 53:6,8 257:18 attachments 52:9,10 138:21 attempt 19:14 176:3 193:13 283:18 attend 205:12 245:4,16 attended 173:18 attended 173:18 attention 111:13 173:14 173:20 178:4,18 184:1 187:8 226:17 attorney 6:18,20 185:20 attorneys 6:16 87:14 audible 130:12 audibly 172:16,17 audio 72:19,22 82:2,8
65:12 81:22 86:9 87:18 121:12 140:10 150:2 171:3 182:12 183:10 210:21 215:3 217:7 226:7 231:1 233:8 235:14 236:13 236:15 264:13 265:12 290:20 aid 112:17 231:8 267:12 aids 267:12 akin 75:17 alarmed 33:7 alert 76:3 alerted 202:9 ALJ 31:4 allegations 4:6 150:12 allege 15:10 alleged 20:2 230:20 allow 52:8 75:16 76:4 192:22 207:13 211:16 allowed 198:7 273:11 altered 88:11 100:2	194:14,15 217:9 225:2,15,17,19 226:1 226:3,7 228:13 232:6 236:13 237:7 answered 88:3 anticipate 228:12 anticipation 72:21 anybody 46:13 86:3 220:16 258:2 262:22 anymore 264:9 anyway 213:7 apologies 85:15 119:4 170:15 256:19 257:6 257:14 apologize 42:21 60:11 63:2 102:16 110:15 119:11 171:5 175:22 220:7,10 228:11 230:4 290:21 Appalachian 245:21 246:9 apparent 277:13	224:12 274:6 287:21 290:8 aqueous 283:4 area 5:14 185:9 argue 9:21 24:7 76:5 114:13 116:20 208:2 argues 14:12,20 15:4 19:10 argument 75:13 76:8 207:18 209:17 210:5 arguments 14:11 15:20 22:18 210:13 arranged 12:21 17:16 arrangements 297:21 arsenic 249:7,16 251:4 251:20 aside 109:22 asked 30:15 52:18,21 86:19 88:2 89:3 99:9 99:16 183:1 186:4 217:3 229:12,21 241:1 242:10 255:11	assuming 61:2 104:16 atom 285:15 atomic 282:9 attached 110:4 119:20 attaching 244:12 attachment 53:6,8 257:18 attachments 52:9,10 138:21 attempt 19:14 176:3 193:13 283:18 attend 205:12 245:4,16 attended 173:18 attended 173:18 attention 111:13 173:14 173:20 178:4,18 184:1 187:8 226:17 attorney 6:18,20 185:20 attorneys 6:16 87:14 audible 130:12 audibly 172:16,17 audio 72:19,22 82:2,8 107:8 132:10 133:2
65:12 81:22 86:9 87:18 121:12 140:10 150:2 171:3 182:12 183:10 210:21 215:3 217:7 226:7 231:1 233:8 235:14 236:13 236:15 264:13 265:12 290:20 aid 112:17 231:8 267:12 aids 267:12 akin 75:17 alarmed 33:7 alert 76:3 alerted 202:9 ALJ 31:4 allegations 4:6 150:12 allege 15:10 alleged 20:2 230:20 allow 52:8 75:16 76:4 192:22 207:13 211:16 allowed 198:7 273:11 altered 88:11 100:2 altogether 77:5	194:14,15 217:9 225:2,15,17,19 226:1 226:3,7 228:13 232:6 236:13 237:7 answered 88:3 anticipate 228:12 anticipation 72:21 anybody 46:13 86:3 220:16 258:2 262:22 anymore 264:9 anyway 213:7 apologies 85:15 119:4 170:15 256:19 257:6 257:14 apologize 42:21 60:11 63:2 102:16 110:15 119:11 171:5 175:22 220:7,10 228:11 230:4 290:21 Appalachian 245:21 246:9 apparently 106:10,16	224:12 274:6 287:21 290:8 aqueous 283:4 area 5:14 185:9 argue 9:21 24:7 76:5 114:13 116:20 208:2 argues 14:12,20 15:4 19:10 argument 75:13 76:8 207:18 209:17 210:5 arguments 14:11 15:20 22:18 210:13 arranged 12:21 17:16 arrangements 297:21 arsenic 249:7,16 251:4 251:20 aside 109:22 asked 30:15 52:18,21 86:19 88:2 89:3 99:9 99:16 183:1 186:4 217:3 229:12,21 241:1 242:10 255:11 293:10 294:6 295:3	assuming 61:2 104:16 atom 285:15 atomic 282:9 attached 110:4 119:20 attaching 244:12 attachment 53:6,8 257:18 attachments 52:9,10 138:21 attempt 19:14 176:3 193:13 283:18 attend 205:12 245:4,16 attended 173:18 attended 173:18 attention 111:13 173:14 173:20 178:4,18 184:1 187:8 226:17 attorney 6:18,20 185:20 attorneys 6:16 87:14 audible 130:12 audibly 172:16,17 audio 72:19,22 82:2,8 107:8 132:10 133:2 133:10,14 180:16,21
65:12 81:22 86:9 87:18 121:12 140:10 150:2 171:3 182:12 183:10 210:21 215:3 217:7 226:7 231:1 233:8 235:14 236:13 236:15 264:13 265:12 290:20 aid 112:17 231:8 267:12 aids 267:12 akin 75:17 alarmed 33:7 alert 76:3 alerted 202:9 ALJ 31:4 allegations 4:6 150:12 allege 15:10 alleged 20:2 230:20 allow 52:8 75:16 76:4 192:22 207:13 211:16 allowed 198:7 273:11 altered 88:11 100:2	194:14,15 217:9 225:2,15,17,19 226:1 226:3,7 228:13 232:6 236:13 237:7 answered 88:3 anticipate 228:12 anticipation 72:21 anybody 46:13 86:3 220:16 258:2 262:22 anymore 264:9 anyway 213:7 apologies 85:15 119:4 170:15 256:19 257:6 257:14 apologize 42:21 60:11 63:2 102:16 110:15 119:11 171:5 175:22 220:7,10 228:11 230:4 290:21 Appalachian 245:21 246:9 apparent 277:13	224:12 274:6 287:21 290:8 aqueous 283:4 area 5:14 185:9 argue 9:21 24:7 76:5 114:13 116:20 208:2 argues 14:12,20 15:4 19:10 argument 75:13 76:8 207:18 209:17 210:5 arguments 14:11 15:20 22:18 210:13 arranged 12:21 17:16 arrangements 297:21 arsenic 249:7,16 251:4 251:20 aside 109:22 asked 30:15 52:18,21 86:19 88:2 89:3 99:9 99:16 183:1 186:4 217:3 229:12,21 241:1 242:10 255:11	assuming 61:2 104:16 atom 285:15 atomic 282:9 attached 110:4 119:20 attaching 244:12 attachment 53:6,8 257:18 attachments 52:9,10 138:21 attempt 19:14 176:3 193:13 283:18 attend 205:12 245:4,16 attended 173:18 attended 173:18 attention 111:13 173:14 173:20 178:4,18 184:1 187:8 226:17 attorney 6:18,20 185:20 attorneys 6:16 87:14 audible 130:12 audibly 172:16,17 audio 72:19,22 82:2,8 107:8 132:10 133:2
65:12 81:22 86:9 87:18 121:12 140:10 150:2 171:3 182:12 183:10 210:21 215:3 217:7 226:7 231:1 233:8 235:14 236:13 236:15 264:13 265:12 290:20 aid 112:17 231:8 267:12 aids 267:12 akin 75:17 alarmed 33:7 alert 76:3 alerted 202:9 ALJ 31:4 allegations 4:6 150:12 allege 15:10 alleged 20:2 230:20 allow 52:8 75:16 76:4 192:22 207:13 211:16 allowed 198:7 273:11 altered 88:11 100:2 altogether 77:5	194:14,15 217:9 225:2,15,17,19 226:1 226:3,7 228:13 232:6 236:13 237:7 answered 88:3 anticipate 228:12 anticipation 72:21 anybody 46:13 86:3 220:16 258:2 262:22 anymore 264:9 anyway 213:7 apologies 85:15 119:4 170:15 256:19 257:6 257:14 apologize 42:21 60:11 63:2 102:16 110:15 119:11 171:5 175:22 220:7,10 228:11 230:4 290:21 Appalachian 245:21 246:9 apparently 106:10,16	224:12 274:6 287:21 290:8 aqueous 283:4 area 5:14 185:9 argue 9:21 24:7 76:5 114:13 116:20 208:2 argues 14:12,20 15:4 19:10 argument 75:13 76:8 207:18 209:17 210:5 arguments 14:11 15:20 22:18 210:13 arranged 12:21 17:16 arrangements 297:21 arsenic 249:7,16 251:4 251:20 aside 109:22 asked 30:15 52:18,21 86:19 88:2 89:3 99:9 99:16 183:1 186:4 217:3 229:12,21 241:1 242:10 255:11 293:10 294:6 295:3	assuming 61:2 104:16 atom 285:15 atomic 282:9 attached 110:4 119:20 attaching 244:12 attachment 53:6,8 257:18 attachments 52:9,10 138:21 attempt 19:14 176:3 193:13 283:18 attend 205:12 245:4,16 attended 173:18 attended 173:18 attention 111:13 173:14 173:20 178:4,18 184:1 187:8 226:17 attorney 6:18,20 185:20 attorneys 6:16 87:14 audible 130:12 audibly 172:16,17 audio 72:19,22 82:2,8 107:8 132:10 133:2 133:10,14 180:16,21

194:2,3 196:11,19 **barbed** 28:20 bias 194:19 briefly 154:7 242:16 197:8 201:4 202:16 **barium** 278:10 279:16 big 16:2 23:11 27:2 250:14 273:17 281:22 42:17 110:9 202:18 204:20 205:4 **base** 233:1 briefs 9:22 based 14:8 74:21 78:10 bring 47:13 178:14 205:19 208:1 212:3 **bill** 13:3 16:5,13 201:12,21 232:2 212:11,12 216:21 79:5 82:9 92:8 93:18 **Biology** 245:8 246:1 220:18 270:9 114:7 123:6,6 125:3 bit 58:3,4 63:18 75:7 264:14 275:5 276:2 audit 46:16,17 82:14 90:13 108:15 128:16 131:3 145:9 278:18 augment 209:7 158:17 166:7 167:22 170:21 196:15 205:9 bringing 183:22 196:17 208:17 245:3 247:17 August 30:6 55:11,17 212:8 221:9 225:3 257:22 55:22 85:1,7 147:19 226:1,4 256:1 278:8 259:3,8 275:7 282:21 **Broderick** 4:11 161:22 199:18 201:13 203:11 279:22 286:16 292:18 287:17 297:9 **broken** 282:4 294:10 **bases** 116:13 Blacksburg 246:19 **brought** 29:13 31:16 authentic 230:2 **basically** 29:4 79:5 **blank** 171:18 103:1 173:14,19 authenticate 216:10 203:17 296:16 blanking 285:4 216:17 288:22 authenticity 33:17 **basis** 114:4 217:6 **blend** 179:9 **build** 81:1 building's 32:22 author 79:21 206:13 **Bates** 95:10 **blind** 28:18 208:10 **blocked** 54:15 230:19 **bathroom** 211:2,4 built-in 46:6 authored 252:2,3,6 battery 23:2 **blown** 64:20 bulk 69:8 71:8 254:10.11 **Bauer** 4:2 145:11 **BNW's** 17:17 bunch 10:14 94:7 **Bobby** 227:15 authored/co-authored **bear** 9:15 110:17 102:12 109:14 113:8 248:4 bears 8:4 **body** 253:5 197:20 becoming 84:7 231:3 burden 9:16 authority 213:19 214:6 **bogged** 177:17 Boise 2:8 3:15 5:5 7:17 authorized 16:22 began 14:22 249:21 **Bureau** 219:17 **Autumn** 227:1,14 256:17 281:12,19 48:11 127:1 184:15 **burned** 12:22 17:15 available 37:4 100:20 **beginning** 7:3 200:6 185:9 200:16 204:5 burnt 13:7 28:17 102:22 197:17 204:16 begins 104:14,22 205:5 207:3 **business** 14:4 22:22 232:10 238:10 110:20 189:16 23:1 25:4,5 58:15,17 **bone** 251:14 average 290:7,12 **Behalf** 2:2,10 Bonner 17:2 73:5 78:6 117:5,16 230:3 awarded 246:1 belabor 114:3 132:21,22 221:19 230:18 232:15 aware 33:6,11 111:10 believe 8:7 29:9 31:2 **button** 215:8 228:8 54:14 58:17 66:4,17 **Boone** 245:22 173:2,13 184:6 223:5 **Bye-bye** 238:16 71:1 78:4 91:12 96:2 227:22 240:22 278:17 bottom 49:16 52:10 **Byes** 4:9 157:9 97:8 100:18 101:9 63:10,17 92:18 94:1 284:3 293:11,13,17 С 293:20 107:13 134:6 142:4 105:17 116:1 120:5 185:20 190:19 191:6 131:15 137:2 138:18 cafeteria 8:20 В 199:22 206:1 207:12 140:14 150:22 152:11 calculate 14:8 **B&W** 3:20 5:10 142:16 219:21 220:1 221:7 153:21 157:18 162:9 calculation 15:3 203:9 157:9 187:15 228:3 229:11 244:5 164:1 165:9 166:20 290:15 Bachelor's 245:7 254:21 255:15 261:18 218:19 219:13 222:12 calculations 31:1,2 back 9:3 26:19 29:22 269:20 276:6 278:3 279:16 287:21 291:13 273:9 45:11 49:17 55:18 279:5 280:12 293:3 **Bowden** 4:8 153:11 Calculator 37:2 62:17 63:11 87:3 90:5 293:20 **box** 2:4.8 275:14.22 call 16:7,8,12,19 36:9 90:12 92:19 116:3 believed 201:15 256:9 276:7.18.22 277:11 38:21 39:2 78:15 120:5 169:5 170:9,14 belongs 196:4 277:13,16,17 113:22 169:7 175:18 170:20,22 171:17 **bench** 75:18 Brad 36:1 220:6 222:1,3 226:19 227:2 179:22 205:4.14 benefit 22:8 206:12 **Bradley** 239:13 240:1 238:3,3 239:13 Callaghan's 117:1,8 206:9 211:5 215:8 208:1 break 86:11 89:17 218:20 230:5 234:17 **Benjamin** 2:7 7:16 169:22 170:2,21 171:13 216:7 224:1 239:3.8 256:10 261:6 **best** 79:15 90:4 178:2 211:2,4 238:20 239:9 called 16:21 39:17 42:2 265:18 266:11 268:18 201:22 212:11 235:4 247:12 269:13 295:21 204:22 223:14,18

breaks 36:17

Brett 4:2 145:11

Brian 3:10 36:12 49:2

Brett's 145:12

briefing 208:3

brief 239:9

269:21 277:21 281:7

281:15 284:1 287:16

288:22 292:1 295:10

Bailey 3:19 140:4,12,17

background 63:18

bad 31:17 32:1

bet 81:10

better 23:12 39:4 60:12

108:13 111:13 190:10

216:16 223:22 228:19

94:8 99:19 100:3

bevond 59:9 216:4.14

225:8,12 241:11

288:14 296:12

calling 180:4

callout 175:17

calls 18:1 154:22

247:19 248:11 283:2

II			
capability 46:17	CEX1 34:5	changed 27:19 69:3	283:12 284:15 285:13
capable 288:9	CEX10 47:21 49:20	84:18 97:9 221:10	285:15,16 286:4
capacity 40:11 190:14	50:4 74:10,21 81:12	changes 66:5,18 221:8	287:9,13,16 288:5,12
251:22 252:4	85:8	character 110:21	288:21 289:2,8,10,11
captain 3:16 128:18	CEX13 34:7	characteristic 241:6,22	289:17,19 290:1,5,7,9
228:7,7	CEX15 34:7	242:5,7,14 251:2	290:17 291:1,2,3,21
capture 44:17,20	CEX2 34:5	252:8 255:15 274:22	292:17,19 293:1
190:11	CEX3 218:7,11	291:10 292:17 293:1	chronological 190:2
captures 190:4	CEX32 34:7	characteristics 250:19	226:18
card 46:9,11	CEX33 34:7	291:7	chronology 96:4
care 27:7,14 34:4	CEX34 34:7	characterize 19:15	Chuck 271:2
career 46:3	CEX35 34:8	characters 94:7,19	CID 29:21 30:11 71:3
careful 52:18	CEX36 34:8	95:11 102:12 109:14	72:11 86:12,21
carefully 69:21	CEX37 34:8	charge 27:5 69:5	173:15 184:1,1,6,10
Carolina 245:9,14,22	CEX38 34:8	184:13,14	186:13 187:3 190:14
carry 32:5 242:6	CEX39 34:8	charged 17:18	194:10 195:10 197:10
carrying 240:14	CEX40 34:8	Charles 2:12 7:11	203:16 205:13,18
CAS 279:17,19,22	CEX41 34:8	chart 268:10	CIDs 45:22
280:1,3	CEX42 34:9	check 10:11 61:13	Cincinnati 248:9
cases 31:10,16,17,17	CEX43 34:9	208:19 261:15 269:22	circuit 76:16
31:22	CEX44 34:9	270:3 297:6	circulate 263:10
categories 78:15 79:2	CEX45 34:9	checked 296:14	circumstances 20:10
80:10	CEX46 34:9	checking 218:7 269:16	232:9
category 78:17,19	CEX47 34:9	chemical 18:17 247:3	cited 282:3 285:9
229:18	CEX49 34:9	254:6 279:19 282:6,8	City 13:8 17:18 18:13
caught 240:14,18	CEX50 34:10	chemist 240:6 247:5	19:16 25:15,16 26:19
cause 15:22 107:12 caused 23:17 25:10	CEX6 34:5	250:4,12 251:22 252:5 291:19	27:15,21 28:18,19 29:15 147:1 240:20
	CEX64 34:10	chemistry 245:11 246:4	
28:8 31:20 causing 101:17,18	CEX67 34:10 CEX7 218:15 228:20	247:1 248:20 250:14	241:4 295:10 civil 13:19 20:21 46:14
CC 5:4	CEX75 258:10 261:21	252:10 253:1,1,16	87:1,5,9 196:6
CD 54:18,21 55:3,4,7	264:13,15 265:11	254:2,13,19 255:5,8	clarification 74:19 78:4
57:7,12,14 60:5 188:3	266:9	278:12 292:19,20	80:13 85:17 87:21
193:22	CEX76 50:1 63:9 64:6	294:12	89:2 104:2 106:13
CDs 54:9 59:21 60:14	74:7 81:11 83:14	chemists 253:4,13,16	203:13
134:4 191:13 192:18	CEX77 42:4 43:7 44:3,7	Chemtrec 16:7,8	clarifications 74:2,8
194:7 200:4,5 203:21	CEX78 244:22 257:11	chief 5:8,9 59:12	clarified 88:3 132:21
CDT 1:16	259:12 260:6 261:8	221:12 222:5 238:5	clarify 73:19 77:20
CE28 144:11	261:17,22 262:5,15	choice 180:7	86:11 87:10 96:1
cell 181:16	264:8,12 265:10	chose 15:10 201:10,18	104:4 132:7 156:5
Celsius 258:9	CEX8 34:5	chosen 113:22	202:20 295:2
center 16:13 168:3	chain 28:20 59:13	Christiansen 3:11	clarifying 132:15
219:2,6,7 220:8,9	60:15	Christine 1:21 6:4	clarity 111:18 244:11
240:5	chair 31:9	chromate 16:11 18:19	Class 16:15
CERCLA 16:9	challenge 32:9 91:9	273:4,8 278:11,11,11	classification 250:8
certain 72:22 79:19	207:1 213:1 214:5	279:15,16 282:20	clean 96:3 98:10 99:18
180:14 205:13 209:12	challenged 198:16	283:11 284:20 285:11	106:4 111:1,11 112:1
220:5 255:1	206:12 209:19 210:8	286:5,16 292:20	112:3,8 228:10 259:8
certainly 9:20 76:12 79:9,11 86:10 114:13	212:15	chrome 278:13 chromium 19:5 241:18	260:6 278:20 cleaner 276:16
199:3 205:3 226:7	challenges 204:17 212:9 232:1	242:1 249:7 251:4	cleanup 18:3,4 19:4,6
232:2	challenging 297:10	273:13,21,21 274:6,7	228:2,4
certainty 133:9 155:1	chance 213:3 230:15	274:10,12,13,13,16	clear 20:1 31:4 37:10
certification 117:8	267:5	274:16,12,13,13,16	37:13 59:20 65:15
CEX 88:21	change 98:20 99:19	277:18 278:2,4,7	75:22 76:9,11 77:5,15
CEX07 88:22	277:13	280:3 281:11 282:10	77:20 80:11 81:6
	-		
II	•	•	•

83:21 108:19 110:20 210:2,9 230:21 complicated 176:19 confirming 127:20 111:9 117:4 118:12 265:15 267:22 292:3 complication 177:17 256:8 confused 108:15 259:3 191:16 193:21 201:8 command 217:20 221:8 complied 30:10 **confusion** 14:12.15 231:4,14 232:4,12 **commander** 17:4 221:6 comply 31:19 32:12 221:11,16 222:8,10 260:12 262:4 263:11 component 285:5 26:7 29:8 85:18 100:7 294:11 comment 133:7 components 247:21 connection 195:2 221:1 cleared 142:4 248:1 253:6 282:5,13 consent 4:3 146:22 commentary 202:14 **clearly** 176:19 **comments** 110:12 147:18 284:1,4 client 24:19 26:22 32:1 composed 41:13 committed 214:8 consequences 201:20 composition 279:11 Conservation 241:21 207:12 210:16 **common** 47:6 close 8:11 273:3 297:10 **commonly** 278:12 286:16 conservative 288:16 **closed** 87:3,4,7 communicate 99:9 compounds 284:22 290:14,18 291:15,20 closely 43:2 52:5 191:16 238:12 **compromise** 181:14,21 292:4.11 **closes** 209:12 communicating 215:20 compromised 13:5 consider 14:21 15:1 **closing** 9:19 21:2 217:15 computer 16:17 46:9 74:6 203:9 213:8 co-84:1 254:10 communication 204:14 46:11 65:10,13 67:10 214:10 291:18 co-counsel 25:11 169:2 consideration 19:21 219:1,6,7 169:16 174:17,20 191:16 199:17 210:16 company 11:9,22 16:22 175:2,10,19 177:7,13 260:2 233:10 237:22 22:20 23:4,7,11,14,22 243:5 283:2 considered 14:3,4 24:14,17,22 25:7 27:2 co-lead 84:8,18 85:21 concentration 284:15 15:21,22 32:13,17 134:5 207:5 228:1,9 279:13 286:7,12,15 288:12 203:8 291:22 292:5 co-responsibility company's 24:10 288:17 292:10 compare 102:2 109:8 concentrations 19:5 considering 15:13 38:6 231:11 co-worker 233:22 212:13 272:9 246:7 288:15,19 192:6 297:14 **cobwebs** 198:13 compared 209:21 conceptualizing 263:15 consistent 13:21 241:10 255:13 256:2 212:10 concern 212:9 249:5 cognizant 232:11 297:14 comparing 105:22 259:18 261:20 256:3,9 278:1 287:7 Colin 132:21,22 221:19 compel 200:14 201:2 concerned 204:22 consistently 62:20 collapsed 13:7 201:13.21 283:22 consolidated 203:4 collect 8:14 249:14,17 compelled 207:14 **concerning** 3:10 71:7 constantly 47:1 298:7 compelling 26:1 constitute 114:2 120:14 198:19 collected 272:12 concerns 52:3 108:13 compels 204:15 constrained 31:5 294:10 competence 75:20 187:14 consult 233:10 college 245:4,7,11,12 competing 25:22 **conclude** 231:18 consulted 221:1 228:1 colloguy 202:12 213:17 Complainant's 34:5,11 233:14 228:8 51:2 65:16,18 67:14 conclusion 209:3 272:5 contact 20:15 156:2,8 261:15 color 272:18 273:6 69:21 93:21 98:16 291:17 contacted 33:1 86:18 column 272:13,15,17 105:1 113:1 120:14 **conditions** 13:9.15 113:12.14 219:14 279:18 287:6,9,12,15 147:16 174:3 178:18 conduct 171:1 246:3,22 220:16 221:1 287:17 288:3,20 183:14 187:9 189:3 254:12 contain 54:10 111:16 289:7,18 290:3 291:5 218:4,6,13,21 242:22 **conducted** 49:4 53:10 111:22 124:6 188:3 combine 41:15 244:13.16 260:15 71:16.20 242:16 192:18 280:3 come 9:3 20:15 27:7 262:14 264:6 265:17 282:22 contained 55:3 56:10 33:1,2 59:1,22 75:17 275:5 278:18 conducting 13:2 99:12 109:14,22 76:4 90:5 103:2 170:9 Complainants 116:20 254:16 111:10 112:4 194:17 171:17 219:10 230:19 129:9 131:20 confer 169:2.6 210:16 216:19 241:9 255:13 236:5.21 239:3 Complaint 154:3 conference 97:5 200:4 258:1 278:2 222:1,3 226:19 227:2 containers 287:6 268:18 272:4 **complete** 20:18 112:20 comes 10:3 28:22 completely 117:17 256:21 containing 18:16 75:12,18 91:21 207:2 completeness 72:14 confidence 286:9 **contains** 55:7 57:5 250:17 253:5,6 291:2 210:7 confirm 55:2 70:5 72:13 75:10 108:2,19 comfort 36:17 completion 248:8 181:7 190:22 261:5 113:20,20 212:11 comfortable 33:8 complex 221:8 262:18,21 276:20 contaminants 252:12 176:21 compliance 12:1 14:21 277:2 contaminated 249:15 coming 9:5 74:16,16 15:2 16:3 17:22 19:3 confirmed 222:16 contemplate 98:19.20 115:1 198:14 201:2 20:1 21:1 25:7 241:18 content 180:19 202:13

II	
220:24	F4.2 4 C4.7 C4.2
230:21	54:3,4 61:7 64:3
contents 3:1 18:17	68:18 69:15 71:1,4,5
26:19 293:14,19	71:8,17,18 72:7,8
295:4	82:5 85:4 89:18 93:2
context 75:8 214:9	93:3 100:21 101:17
231:7 237:1,11	103:9 106:11 111:2
continuance 207:22	133:16 161:1,2
continue 58:4,17,20	172:13,14 173:7
60:1 90:18 183:11	184:7,8,12,16,20
247:15 295:21	185:1 186:19 187:17
Continuing 289:7	188:9,13,16 189:14
contractor 14:19 16:20	197:5 200:7 220:21
18:7 30:17 228:4	
	222:2 223:17,20
contractors 27:6,7	226:12 235:19,20
control 171:20 177:2	236:1,2 264:20,21
248:12	265:1 270:21 282:10
convenience 263:1	corrected 34:10 35:10
conversation 88:13	69:17 106:1 107:13
200:1 205:10,11	107:22
237:11	correction 81:20 95:19
conversations 216:6	102:22 227:14
293:12 298:9	corrections 69:16
cooperation 14:22 15:2	correctly 189:19 190:5
Coordinator 40:14	285:13
cop 237:10	corrosivity 250:20
copies 59:5,20 98:10	corrupt 104:2
106:17 108:20 117:5	Council 248:16
copious 228:19	counsel 2:13 25:12
copy 49:20 65:2,13	39:17 79:14 80:3
92:22 93:3 98:10	87:13 94:20 95:9
106:2 111:1 112:3,8	134:10 192:15 197:4
116:4 120:7 122:6	199:11 265:14 293:13
123:20 125:22 127:12	Counsel's 79:18 118:6
129:7 130:21 131:18	country 13:22 28:14
135:15 137:4 139:4	couple 10:19 93:13
140:16 143:4 144:11	97:4 186:8 192:2
146:1 147:9 149:8,9	195:6 226:18 234:16
151:2 152:13 154:1	
156:12 157:21 159:9	Coupled 247:10
	course 54:6 58:15,16
160:16 161:1 162:11	113:5 114:1 117:16 124:5 132:22 169:9
164:2 165:11 167:3	
168:11 179:19 199:11	186:18 192:3 211:13
199:12 214:1 244:4	213:5 230:3 232:14
246:14 260:20 261:2	court 22:8,9,11 51:16
261:3 266:2 267:6	56:16 65:7,12 66:20
268:8 269:1,16,20,21	67:11 68:10 76:12,18
270:4 276:16 277:3	89:13 95:7 96:2,3
278:20 280:14 281:4	103:20 104:21 112:19
Corder 3:17 4:4 5:11	116:11 141:11 179:17
135:2 148:18	180:18 195:9,22
core 34:10 35:10 97:13	197:15 198:21,21
corner 28:17 29:19	205:7 208:8,11
corners 216:19	211:14 219:5 231:15
correct 25:12 26:17	257:22 260:9,21
34:16 40:20 50:21	262:3 263:2 265:3
52:1,20 53:15,16,20	266:16
"	

Court's 76:15 79:16
118:9 124:9 197:21
courtroom 8:7 174:13
174:17,22 175:4
176:2,5
cover 7:2 30:2 61:12
81:1 263:13
covered 8:3 196:12
COVID 23:5 created 58:16 85:17
117:14 188:11
creates 20:19
credentials 41:3
credibility 180:9 208:20
crimes 41:10 240:20
criminal 30:7 40:13,17
40:19 41:4,8,13 46:14
59:9 60:15 82:16 87:4
87:13,14 88:18 117:14 184:9 186:22
190:16,19,20 191:9
192:4 196:3,5 203:17
216:12 237:3
Criminals 45:17
critical 202:7 233:6
293:4
cross 3:4 9:17 169:14
171:1 172:5 180:21
196:18 201:4 258:19 259:1 296:3
current 40:13 99:5
currently 40:8
curriculum 242:18
cursory 229:6
custodian 78:20,22
80:15 229:22 234:18
custody 59:13 60:15
190:21 cut 224:13 280:14
281:4
cut-out 176:11
cut-outs 179:11
CV 5:20 242:21 244:2,4
244:9,12 245:1 252:1
252:17,18 254:5,11
257:18 259:11 260:1
260:1 261:20 CWE 3:18 136:15
148:18
CX 106:13 141:11
167:16 178:14
CX07 90:20 91:3 92:21
93:8 95:10 114:16
CX08 114:20
CX09 114:21 115:5
116:4,7 118:12

CX1 104:9 CX11 118:19 CX12 118:20 **CX13** 104:10 **CX14** 119:13,14 120:10 120:17 **CX16** 120:22 121:4,15 122:9 CX17 122:20,21 123:20 124:1,12 **CX18** 124:17,18 125:22 126:3 **CX19** 126:13,14 127:13 128:1,3 **CX20** 128:9,13 129:10 **CX21** 130:18 **CX22** 129:20 130:18,19 130:21 131:1,2,21 132:2 134:14 **CX23** 134:19,20 135:15 135:18 **CX24** 136:5,9 137:4,7 137:12 CX25 137:17,18,19 139:3,7,13 CX26 139:18,19 140:16 140:20 **CX27** 142:6,6,12 143:7 143:13 **CX28** 143:18,19 144:14 144:19 **CX29** 145:3,4 146:1,4,8 **CX30** 146:14,15 147:12 **CX31** 148:7,8 149:13,17 CX32 106:6 108:2 110:18 **CX52** 150:4,5 151:2,5,9 CX53 151:14,15 152:16 152:20 **CX54** 153:4,5 154:4 155:6 **CX55** 155:11,12 156:15 156:19 **CX56** 157:2 158:2,6 **CX57** 158:12 159:12 **CX58** 159:22 160:1,20 161:7 **CX59** 161:13,14 162:14 **CX60** 163:3,4 164:5,9 **CX61** 164:15,16 165:14 **CX62** 166:1,2 167:6,10 **CX65** 167:17 168:14,18 **CX7** 90:20 104:11 106:9 107:5 cyanide 251:8

D **D&W** 131:5 164:22 **Darrel** 227:5 Darren 4:9 49:4 51:7,22 54:7 68:16,22 69:4 71:10,16,16,17 72:3 272:21 82:19,20 83:3 84:1,9 84:16,20 86:18 121:21 127:2 130:7 133:6,7,12 157:9 184:10 185:21 data 4:5 5:21 21:17,20 100:15 106:7 110:19 240:16 241:11 255:12 255:20,20 256:1,4 272:3,10,14,16,20 294:7 273:2,5,7 278:9 279:6 279:11 281:16.17 284:2 285:6 286:17 286:22 288:17 291:22 292:10,11,21 date 6:13 46:21 83:7 84:10 85:9 86:6 95:22 96:11 173:22 202:22 215:9,13 247:5 **dated** 19:4 **David** 4:9.14 18:2 158:19 166:10 day 8:10 9:2 13:13,19 107:14 172:22 173:10 215:14,15,16 217:15 221:21 days 12:21 13:9 14:17 29:3 65:16 66:5 107:11 deadline 9:5 deal 32:20 33:3 61:10 222:4 74:10 92:4 231:6 265:11 dealing 27:3 200:22 252:12 282:1 deals 250:17 debating 243:16 **December** 173:19 184:1,2,4,7 decide 209:5 178:1 decided 257:15 decision 26:18 76:8 206:10 213:21 214:11 214:22 237:12 decisions 26:16 223:19 225:13 226:10 **despite** 200:13 deemed 87:6 255:7 detail 18:20 44:15 deep 216:14 58:10 70:4 81:5 **defects** 106:19 109:22 detailed 18:16 231:1 111:22

defer 80:3 define 21:14 definitely 25:21 definition 291:10 degree 245:19,21 degrees 245:5 272:21 delay 58:19 delivered 113:3 delve 201:3 259:5 demeanor 181:8.20 demonstrate 285:10 demonstrative 256:14 258:7 266:12,16,21 267:12 272:6 276:19 277:21 281:22 282:2 demonstratives 256:16 257:1 269:4 denominated 107:7 denominator 289:10 densities 272:22 Denver 2:15 **Department** 3:16 86:14 113:2,7,10,13 127:1 depending 238:4 depends 99:5 **Dept** 3:8 5:5 **DEQ** 183:22 184:4 219:18 227:3,22 228:3,9 Derek 3:15 125:10 derive 289:9 derived 290:3 291:4,12 **Derrick** 3:17 131:5,17 132:12 133:3 187:15 **describe** 40:22 41:6 44:15 47:3 54:16 121:18 178:2 250:14 described 18:20 48:16 98:17 207:15 250:5 describes 84:7 describing 154:17 description 199:6 designated 6:6 designation 16:10,14 designed 13:16 desire 208:6 232:5

details 52:14,16 230:5 determination 13:3 241:8 256:1 260:2 determine 75:19 108:7 185:6 193:13 241:2 250:18 253:14,19 255:12 determined 242:3 determining 272:4 deterrent 21:5 Development 248:11 **DHS** 220:6 dialogue 71:14 difference 102:3 283:19 283:22 284:5 285:20 different 60:16 84:5 97:14 101:18 104:13 166:22 175:3 192:13 195:22 223:11 225:21 227:19 231:19,20 241:17 248:13 274:10 274:12 282:5,13 284:4,15 285:18 292:7 difficult 58:13 difficulty 243:15 difficulty-free 243:17 diffractions 251:7 dig 200:20 digital 54:10 73:13 176:6 188:2,4,6,11 192:16 193:10 194:7 197:8 199:18 207:8 208:5,10 209:21 210:1 diminishing 207:6 dioxide 285:8 direct 3:4 40:6 57:2 78:18 110:9 178:3,3 178:17 179:16 216:5 216:13 226:17 228:19 directed 99:16 110:14 216:12 directing 180:13 direction 99:9 **Director** 11:6 220:6 dirty 236:5,21 disc 203:7 disclosed 113:22 206:3 discover 107:17 discovered 49:12 107:20 discovery 195:19 197:21 discretion 15:7,12,16 15:17 202:14

discs 201:16 202:21 203:10 discuss 202:13 237:21 273:17 discussed 48:20 72:3 189:22 214:10 222:14 237:19.20 discussing 49:10 133:11 134:7 172:8 242:15 294:1 discussion 29:6 199:4 204:1 **dispense** 9:21 267:9 dispensing 265:10 display 67:2 179:11 242:20 256:13 266:19 273:16 displayed 174:21 175:4 272:7 disposal 5:18,19 17:11 18:9 115:17 275:11 dispose 17:14 disposed 30:18 dissolve 284:13 285:2 286:6.8 dissolved 283:6 dissuade 74:17 **Dist** 5:6 distinct 214:4 distinction 202:2 231:2 267:16 distinctions 232:20 **District** 219:18 221:13 222:6 disturbed 29:18 divided 289:12 **Division** 45:18 87:15 248:12 253:2 division's 88:18 **Docket** 6:10 document's 42:18 documentary 76:2 documentation 17:10 260:18 documented 41:19 documenting 126:22 130:7 150:12 documents 3:15,18 29:10 35:8 38:9 41:16 47:4 58:10,22 59:8,9 71:2 77:11 78:16,17 79:1 88:10 99:11 102:21 106:6 107:4,9 109:2,3,9 110:6 125:10 134:4 138:5 147:21 176:4 177:22

181:3,4 231:13,16 264:18,19 doing 14:4 31:14,14,15 47:14 78:14 176:21 249:14 265:8 270:20 door 21:2 doors 8:7 double 113:8 E 5:22 doubt 238:2 downward 16:1 **Dr** 4:15 5:22 20:7.12 25:17 26:1 30:19.20 36:4,14 239:13 242:8 242:20 244:12,22 255:4,9 257:15 258:6 261:20 263:14 265:15 266:5,15 267:21 270:10,21 272:2 274:9 276:22 277:6 277:20 281:7 292:14 293:5,8 295:16 draft 67:21 68:3,6,14 eat 9:3 69:11,12,14 76:7 drafted 44:18 68:12,15 drafting 77:6 **drafts** 44:19 **Drake** 4:8 36:9 73:4 132:19 155:18 156:8 **drawing** 180:11 driver 73:4 131:6 132:19 155:18 187:15 81:2 drugs 237:10 **Drum** 274:2,3,4 287:20 287:20 289:12 290:10 290:11,15 291:2 292:1 **drums** 12:4,11,16,17,18 12:22.22 13:6.6 17:16 18:10,22 19:9,16 30:12,13 49:12 56:9 56:10 146:22 241:3,5 241:6,8,9,15 242:12 251:16 255:13 256:3 256:12 273:12,18 274:2 275:10 277:22 281:10 287:17,18,22 288:21 289:3,3,15,19 289:22 290:5,7 291:8 291:9,13 292:13,15 292:22 293:3,11,15 293:19 295:4,9,11 due 20:13 194:20 208:16 **duly** 39:18 **duplicate** 111:9,15 112:5

duplicates 110:10 duplicative 119:7 duties 41:7 duty 227:1 Dye 227:16

Ε

EAB 31:3 earlier 132:17 222:15 225:3,22 293:9 294:7 296:21 early 215:17 earned 246:2,18 earnest 205:8 ease 37:4 easier 66:22 67:3 100:4 287:1 **easily** 277:3 easy 98:16 263:2 265:14 Ecology 115:18 140:4 economic 207:6 **ECRS** 68:1 Education 248:18 educational 245:3 effect 117:12 180:13 210:4.8 **efficiency** 33:20 78:12 efficient 33:15 effort 196:21 **efforts** 32:12 egregious 41:10 eight 12:12 241:15,18 273:18 274:1 287:18 288:21 289:15,19 290:5,7 291:8 either 53:12.17 106:16 109:12 179:6 197:17 212:19 220:7 233:7 260:18 **elected** 253:2,3 electronic 45:6,15,17 45:19 46:1,5,19,21 47:4 60:17 62:20 84:17 86:22 203:2,5 electronically 269:1 **electrons** 249:4 274:15 274:17,20 **Elmore** 220:3,3 email 113:4 182:6 195:15,19 197:5,7,12 198:19 199:15 201:8 204:3,3,7 214:1

256:22 emailed 17:9 **emails** 17:6 130:8 emergencies 16:6 emergency 215:19 217:4,14,19 Emission 247:10 **emphasis** 76:6 213:6 **employed** 40:8 248:13 248:15.17 **emplovee** 117:10 **employees** 4:7 20:14 153:10 employment 250:5 endangered 246:9 ended 244:18 297:11 enforcement 9:13 15:7 15:12 87:1,13 88:18 196:5,7 240:5 252:2 enjoy 297:18 enlarge 42:17 ensure 13:20 14:2 46:6 89:18 191:2 enter 58:8 133:22 244:14,15 259:14 266:5 entertain 202:5 entire 46:3 75:21 100:22 133:5 191:9 229:9 entirely 19:18 entirety 55:4 133:10 186:12 187:5 275:20 **entities** 248:13 entitled 43:7 194:13 196:18 289:7 **entries** 226:18 entry 78:6 221:21 222:13 227:12 environment 19:12,17 20:5,21 31:21 253:2 environmental 1:2 2:10 2:13 3:8 6:5,9 16:20 18:7 40:10 41:9,10 86:15 113:2,7 249:8 252:2.12 **EPA** 3:2,21 7:11 12:1,6 13:20 14:6,20,22 15:1 15:7,10,11,16 20:2 21:2,2 24:2 26:10,10 26:14,17 29:10,21 30:6,10,14,15,17 31:7 31:8,11,12 39:1,18 40:12,15 45:17 46:20 66:14 69:1 70:5 86:11 86:18,21 87:1 94:19

95:9,16 98:21 103:7 107:6 109:9 113:22 144:2 172:21 173:8 173:15 179:6 184:1,6 185:7 186:13.13 191:10 201:10,16 216:20 217:2 220:16 220:18 229:22 230:2 231:8 234:18 240:21 241:1 248:9 249:9 250:5 251:1 293:13 293:18 **EPA's** 14:5 20:6 30:1 31:1 36:22 38:1 53:21 53:21 71:3 79:22 87:5 87:9,14 185:20 248:10,12 283:1 **EPAs** 215:10 equal 274:14 equilibrium 283:3 equitable 15:20 erred 213:18 error 68:13 214:8 errors 69:16 99:4 111:16 **ESQ** 2:3,7,12,12 essential 193:1 201:22 essentially 45:12 establish 57:4 established 69:19 241:20 estimate 288:19 292:4 292:12 ethyl 277:19 evade 24:6 31:18 evaluate 212:12 evaluating 76:7 214:7 event 8:8 16:10 21:14 62:7 259:12 events 215:21 217:16 219:10 eventually 45:12 276:13 everybody 33:5,8 82:15 268:5 evidentiary 75:21 209:12 214:4,21 225:20 262:5 exact 86:6 89:5 106:5 117:5 176:5 276:11 276:21 exactly 77:17 100:21 102:11 103:8 190:11 200:12 204:9 examination 9:18 40:6 74:18 76:13 172:5

180:21 196:18 234:14 exists 82:7 99:1 133:1 189:11 190:11 191:15 Fifty-seven 159:16 235:15 260:8 196:6 213:1 234:22 figur.charles@epa.gov examined 39:19 **expand** 49:1 293:21 2:16 factor 285:3 293:4 **example** 85:1 94:12 expectation 10:12 **figure** 28:16 104:14 176:11 186:16 expected 231:12 factors 12:7 14:7 15:21 figured 26:6 263:5 193:10 200:1,9 expense 207:4 62:19 285:18 file 45:15,17 66:2,19 **experience** 24:15 225:3 facts 12:8 14:8 230:13 **examples** 251:10 72:4 89:3 91:10 186:13 187:4 191:9 exceed 292:22 293:3 230:20 232:17 255:1 225:22 **exceeded** 241:19 fail 256:12 273:12 experienced 24:17 193:9 194:10,10,12 194:17 195:10 196:3 292:16 **expert** 4:15 5:22 20:6 281:10,19 **exceeds** 288:13 25:18,22 224:19,20 failed 14:20 16:18 197:11 203:16 205:19 excess 283:13 252:3,7 255:4,8 20:22 205:11 282:18 206:19 exchange 38:4 59:3,10 257:16,17 258:10 filed 58:7 106:9 203:17 failure 192:22 files 72:11 100:22 187:5 97:11 98:15,18 99:1,8 259:17,20,20 260:3,4 fair 13:21 52:16 133:13 100:1 101:13 102:1,8 265:22 266:5 268:1 201:7 212:15 214:14 filing 45:22 97:16 102:20 103:2 104:3,9 282:4 285:9 286:20 221:2 final 65:2,4,18 96:8 286:22 292:14 97:20 103:3 257:10 106:18 107:3,6 109:2 fairly 29:11 49:15 109:4 111:14 192:1 **expertise** 27:6 223:5 263:17,18 267:4 273:20 292:12 195:7,14 197:5,7 226:10 **fairness** 268:13 finalize 45:14 experts 223:1 198:19 199:16 200:7 faith 24:3 32:12 finally 16:13 19:2 30:19 200:12 201:8 202:4 fall 212:17 36:4 58:22 195:17 **explain** 242:9 245:5 203:20 204:3,7 267:22 272:3 275:7 falls 229:17 find 26:1 28:8 31:19 familiar 9:13 38:9 45:21 205:16 211:20 212:1 284:8 286:4 287:1 32:16 112:8 181:20 268:16 280:10 281:4 288:8 290:2 46:2 51:5,9 52:15,22 281:5,14 282:12 exchangeable 247:19 explained 284:5 57:1,3 70:13 71:14 finding 15:5 41:14 exchanged 107:10 **explaining** 14:6 60:12 109:21 119:18,20 215:7 192:6 196:8 explains 18:2 131:4 132:1,2,8,9 **fine** 8:6 9:22 10:7,8,21 excluded 260:13 265:7 **explanation** 38:2 74:15 190:15 229:1,14,16 11:1 33:21 38:9 39:12 50:16 76:21 77:1 exculpatory 190:17 explicit 204:19 274:18 191:3 192:3 193:11 **familiarity** 54:6 77:10 78:12 112:21 178:7 exposed 20:16 285:11 193:14 194:11,17 216:22 229:4 181:12 192:13 209:15 **exposure** 18:21 19:12 far 34:11 185:3 297:15 195:1 196:2 20:9,18 30:21 224:9 263:7 270:2 excuse 25:11 35:21 **farther** 197:22 296:8 expression 181:18 192:22 extent 77:19 180:6 fashion 79:14 **finished** 112:16 **exercised** 15:7,12,16 196:13 208:6 213:5 feces 251:14 fire 3:16 5:5,6 12:18,21 exhibits 10:4,19 32:21 Federal 12:13 26:9 14:13,17 15:14 16:4,4 213:17 230:15,22 33:12 35:3,9,10 42:5 **extraction** 273:15,22 59:14 75:5 117:6 16:7,10 17:20 18:3 42:10 58:12 65:4.10 274:7 198:6 220:9 221:9 20:19 24:16 26:5,8,11 65:18 66:17 68:9 extractioning 284:13 feds 220:9 28:7,8 127:1 172:9,22 69:22 71:2,8 72:18 eves 42:22 feel 59:21 180:16 172:22 173:9,10 74:5 76:14 79:11,12 191:14 195:21 202:7 215:10,15,21,21 F 79:16,19 80:5 84:21 224:13 276:17 296:7 217:5,16 221:1,6,13 86:9 89:5,21 96:8 faced 232:9 296:15 222:5,5 227:10 97:7,10,11,13,15,20 facial 181:18 feeling 79:3 240:14,18 98:12 99:10,12 facilitate 8:9 67:7 **feels** 103:1 208:17 firm 233:18 100:17,19 101:22 267:13 270:20 felt 205:8 285:19 firms 109:12 facilitating 193:9 103:3 111:20,21 fence 28:20 284:11 first 9:15 12:10 13:2 14:11 16:3 20:15 116:22 118:5 150:2 facility 12:5 13:8,10 field 11:4,8,13 14:3 169:16 170:6 171:7 18:12 19:1,10 23:2 24:19 27:1,19 28:9 22:16 23:18 24:16 174:19 178:12 184:22 28:19,22 49:11 52:4 32:4 36:11 241:14 35:20 36:19 38:14,21 200:6 216:20 218:6 53:2 55:17 85:6 249:11,14 254:1,19 39:18 55:10,10 64:10 240:20 241:4 275:10 257:10 260:12,15,17 255:4,8,20,22 272:11 105:15 107:17 113:6 262:13 264:18,19 281:16,16 287:8,10 113:21 116:19 173:4 275:12 270:19 fact 15:1 41:14 70:19 288:1,5,8,10,11,17,22 173:8 178:18 183:17 exist 194:9 196:2 197:9 78:10 109:13 111:15 291:1 187:10,11,12 201:6 existed 20:13 173:18 188:18 189:2 **Fifty-nine** 162:19 224:11,14 243:17

295:14 248:14,16 255:10,11 forgotten 29:4 193:20 258:8 259:10 265:13 forklifts 30:12,13 Furthermore 115:15 267:5 268:9 272:13 form 41:16 94:21 95:12 272:18 282:5 286:3 107:6 275:1 287:6.17 288:7 format 99:1 296:15 **formed** 217:20 first-hand 72:1 77:7 forms 274:10 forward 21:1 33:9 71:13 78:18 five 12:20 16:2 19:2 77:15 89:21 105:8 111:7,17,19 207:15 89:17 238:19 271:2,4 found 84:17 276:18 293:4 fix 97:18 98:8 100:11 **foundation** 57:1 58:4 103:5 58:21 78:7 fixed 23:16 27:17 foundational 74:18 flammable 18:11 134:2 259:4 277:18 foundationally 61:12 four 18:14,17 21:9 flashed 242:6 flashpoint 251:6 258:9 216:19 222:14 240:17 258:11,13,15 272:19 frame 186:7,10 frankly 197:2 206:9 272:20 294:8,13,15 228:16 294:17 flip 243:13 freed 238:9 fluid 274:8 frequently 223:16 fluorescence 249:17 fresh 186:22 295:22 fly 112:12 296:4 Friday 209:14 focus 14:16 180:11 focused 104:11 230:14 friend 233:22 focusing 204:13 **friends** 234:2 front 10:7 23:15 26:14 folder 89:4,10,22 90:14 91:10 95:6 97:7,16 51:13,16 54:15 67:16 85:12 86:14 89:19 100:6 106:15,16 108:19 115:2 111:20 114:21 115:5 folders 96:8 98:3 130:19,22 148:8 folks 186:13 222:22 164:16 166:2 167:17 237.6 189:5 218:14,15 follow 16:18 23:15 65:6 221:16 260:1 87:6 178:9 179:19 frozen 23:4 192:11,12 204:7,8 full 25:7 70:17 76:20 **follow-** 154:13 194:2,3 195:10 **follow-up** 191:19 196:19 198:16 201:4 200:17 225:10 256:22 202:18 204:16,20 followed 30:9 195:12 205:19 208:1 209:21 248:16 210:1 212:3,11,12 following 12:17 204:3 213:3,20 222:3 295:2 259:18 follows 39:19 154:15 fully 208:12.18 food 22:21 23:4 24:12 fundamental 15:11 297:9 20:3 **footnote** 288:6,7 funding 253:20 foreclosed 191:14 fungi 246:7 forego 183:4 further 15:15 16:1 Forensics 40:14 56:15 57:6 58:21 82:4 forest 246:16 247:8,20 98:8 112:18 121:13 176:3 190:15 191:3 **Forestry** 247:4,5 154:10 203:19 204:8 193:2 209:5 227:8 286:9 Government-issued **Forgive 216:3** forgot 256:16 288:2 291:16 293:6 46:9

future 21:5 28:10 G gallon 241:5 game 29:11 **Gary** 4:11 161:22 gates 28:21 gather 41:15 86:8 general 81:17 186:7 189:17,20 190:7 generally 45:1 47:3 70:16 75:15 88:19 154:21 199:4 generate 232:16 generated 12:15 53:14 gentleman 33:1 geochemical 282:19,22 283:3,9,18 284:6 285:21 getting 6:14 7:7 34:12 79:3 186:19 234:17 259:3 291:15 Gillerman 5:13 give 9:1 22:18 33:5 48:21 61:18 76:6 115:15 150:4 171:20 235:13 239:17 251:9 260:20 268:16 269:2 given 25:19 79:15 80:5 197:22 207:15 210:10 210:14 211:14 246:15 252:9,11 291:7 gives 63:17 273:5 286:9 qiving 15:18 210:14 glad 94:19 95:3 174:1,2 183:6 197:18 198:20 199:8 global 78:6 **goal** 70:12 **goals** 249:10 **Google** 5:14,15,17 gosh 29:22 50:3 **gotten** 169:6 257:19 262:13 governing 253:5 **government** 46:8 76:17 78:20 79:10 93:20 95:10 101:12 182:4 211:21 240:10 Government's 98:15

grab 171:6 grabbed 204:9,10 graduate 245:16 **Grainger** 3:16 128:18 grams 273:1 grand 186:17 **granted** 116:12 granting 22:17 grappling 204:15 gravity 14:1 **areed** 26:3 ground 17:15 217:17 group 27:4,5 **guard** 29:1 **quards** 28:21 guess 77:4 83:1 91:20 102:18 106:3 111:18 179:19 186:9 195:17 195:21 196:14 200:21 201:5 202:11 204:14 208:2 213:16 224:7,7 225:3,19 232:4 259:10 guessing 296:3 guide 75:6,7

Н **H2O** 138:6 habitat 246:8 half 13:7 287:21 halfway 56:5 halt 98:7 hand 39:14 198:20 199:13 handed 199:11 handful 65:16 handling 103:15 186:14 **hands** 99:20 100:5 117:20 handwriting 277:9,12 Hang 220:11 happen 27:20 207:11 207:14 209:13 happened 14:17 25:14 30:4 96:4 102:17,18 172:9 200:18 237:2 happening 25:19 98:7 217:17 happens 33:6 happy 9:8 21:22 36:18 90:4 111:11 117:21 191:20 195:5 200:15 205:6,12 hard 65:13 98:10 105:6 215:7 237:4 269:1,16 269:20,21 270:4

harm 19:11,20,21 20:4 held 13:17 245:13 5:11,12,13 42:2 47:13 104:20 109:13 20:5,13,20 25:10,12 help 14:2 16:6 82:22 51:22 53:22 56:18 identifying 62:19 85:20 31:20 89:20 94:20 198:5 60:16 71:15 79:21 **IDEQ** 3:22 4:6 17:22 harmful 30:21 267:13,21 270:20,21 85:13 88:21 115:6,7 18:6 92:12 93:1,1,4 hate 296:9 297:4 115:20 121:15 123:15 144:3 173:19 haul 23:4 25:1 26:18 helped 30:11 234:21 125:3,15 129:3 **IDQ** 18:16 hauled 24:10 27:21 helpful 61:11 74:14 131:11,16 135:4,9,15 ignitability 242:7 hauling 27:15 180:8 254:22 264:7 136:20 137:4 138:14 250:20 hauls 22:20 268:8 270:4 272:8 143:1 144:8 145:17 **ignore** 291:21 **Haz** 16:14 146:1 149:9 150:18 ignored 16:2 17:1,21 **helps** 27:9 Hazard 3:21 hesitate 197:11 152:7 153:17 154:12 **IKD** 4:7 153:10 hazardous 12:4,12,17 hexavalent 274:19 154:17 156:9 157:14 ill 26:3 12:18,19 13:1,2,6 157:21 159:3,9 illegally 46:13 278:13 hey 237:9 286:7 160:17 162:5,11 **image** 176:6 14:18,19 17:1,3,22 18:11,22 19:15 23:1 high 288:13,17 292:7 163:19 164:19 165:5 imagine 42:2 24:16 25:1,2,2 26:20 higher 283:15 284:18 166:16 168:8 188:18 immediate 191:18 290:11,12 189:11 205:20 206:13 173:1 219:22 220:1 immediately 30:17 223:15,20 225:8,14 highlighted 194:1 229:7 implying 15:6 241:6,22 242:4,6,14 290:11 IARs 45:1,4 61:3 63:20 important 24:14 25:13 250:19 252:7 255:16 Hill 5:6 221:12 222:5 72:14 77:8 78:6.22 26:2 30:22 32:10 75:6 81:4 100:9 181:4,9,10 276:14 291:10 hindered 112:9 84:22 86:21 87:8 88:1 **hazards** 144:2 hindrance 95:3 88:19 123:7 154:13 208:5 hazmat 5:4 26:13 hired 30:17 228:10 192:17 193:2 196:13 **impose** 8:16 21:3 115:17 219:2 224:15 248:9 198:2 204:18,19 **impression** 77:9 175:22 225:22 226:11 227:1 hiring 27:6 228:1 208:19 213:2,6 **improperly** 12:5 13:13 229:14 230:6 234:20 **he'll** 11:10 history 14:21 15:2 20:16 head 24:20 172:17 24:10,22 245:4 235:6 in-depth 281:12 hold 28:6,16 29:14 198:4,15 **IBEQ** 150:12 incident 3:15 17:4 head's 33:6 30:16 65:17 96:5 **IC** 222:16 127:1 217:20 219:15 **headed** 192:9 ICPOES 247:9 251:5 104:15 214:18 215:2 221:6,8,11,16 222:7 226:5 236:7 258:20 ID 2:8 13:11 29:1 222:10 226:11,11 headquarters 28:3,5 heads-up 297:22 258:20 259:7 266:12 **Idaho** 3:8 5:4 7:17 17:4 227:15 health 18:20 19:11,17 **Homeland** 219:18 17:18 73:5 86:14 Incidentally 267:11 20:5,20 219:18 honest 26:4 32:6 237:7 132:20 172:9 215:10 incidents 219:8 224:16 hear 14:5,10,16 15:15 honestly 203:8 219:1,5,7,9 227:20,22 inclination 213:22 24:19 25:17 26:22 Honor's 117:17 228:3,7,9 240:19 include 36:22 208:2,8 27:18 28:2,9,19 30:19 **HONORABLE** 1:21 Idaho's 224:2 214:11 279:13 290:10 32:3.14 62:3 63:1 hope 170:7 298:10 idea 97:14 238:22 291:17 112:19 161:4 171:18 hoped 197:2 ideal 181:21 included 16:9 189:21 171:19,22 192:3 hopefully 33:3,7 258:2 identical 272:22 211:17,19 292:6 197:18 260:11 268:4,4 identification 3:21 includes 254:5 258:13 heard 14:15,18 21:13 hospitality 8:18 43:11 49:8 64:2 91:1 279:12 77:12 173:4,8 203:21 hour 8:21 169:21 297:7 115:10 120:2 122:3 including 12:16 13:6 14:18 18:18 26:10 231:7 297:13,18 298:1 123:12 125:13 127:6 hearing 1:16 6:17 35:15 housekeeping 6:21 128:22 131:9 135:7 209:6 219:17 65:18 102:1 103:13 10:15 259:8 136:18 138:9 140:7 inclusion 212:2 107:11 109:2 111:22 human 19:11.17 20:5 142:20 144:3.6 incorrect 48:8 incumbent 201:16 145:15 147:4 148:21 117:3 118:8 200:7 20:20 201:2,6,14 203:20 hundreds 24:11 99:11 150:16 152:5 153:15 independent 224:8 207:19 208:3 209:12 hung 225:11 155:21 157:12 159:1 229:3,17 294:13 232:11 **Hunt** 4:12 163:14 160:9 162:3 163:17 independently 91:6 hearsay 57:5,5,22 hydrophobic 284:12 165:3 166:14 168:6 109:21 223:5 244:14 74:22 75:10 113:8 294:2,3 identified 35:4 47:4,6 indicate 154:12 227:8 114:2 124:7 65:16 72:14 135:15 indicated 51:21 57:9 137:4 192:17 222:20 85:6 108:2 184:17 heart 31:1 heavy 252:13 identify 6:16 7:1 66:8 225:9 **IAR** 3:10,16,19 5:8,9,10

indicates 142:14 263:21 individual 113:2,3,6 interest 200:19 interested 185:22 284:1 individuals 41:15 interfere 180:15 **Inductively** 247:10 interference 107:9 industrial 282:6 180:17 182:9 186:1 **Inflation** 37:1.17 216:22 220:19 270:9 **inform** 18:6 interject 65:1 96:7 information 16:16,18 internal 130:8 18:16 23:15 60:13 International 252:22 77:7 100:19 110:20 internet 37:20 111:10 119:6 121:14 internship 245:13 191:6,8,12,20 196:8 interrupt 65:1 179:1 203:20 212:14 221:15 247:15 262:19 226:12 228:6 229:11 interrupted 70:9 232:6 237:5 273:11 interruption 33:10 279:11,21 280:2 Interstate 173:1 291:7,8 interview 3:13,14,16,17 ingredient 285:8 3:17,18,19 4:2,4,6,7,8 ingredients 273:4 4:9,9,10,11,11,12,13 278:10 279:12,12 55:9,15 71:16,19,22 285:5,7 72:10,18 73:3,5 82:2 inhalation 94:13 82:2,8 123:9 124:6 inherent 20:13,19 125:9 128:18 131:5 initial 26:18 53:12 131:17 132:10,12 96:21,21 255:18 135:2 138:3,5,12 initially 77:9 132:20 140:2,3,12,17 145:11 Ink 275:9 148:17 152:1 153:10 **innate** 154:8,10 153:12 155:17 156:6 156:8 157:9 158:19 **inorganic** 247:7,18 160:6 161:22 163:13 253:5 inorganics 252:13 164:22 166:10 187:15 **input** 228:4 187:19 189:12,20 inquire 50:10 154:7 190:1,4,9 193:4 194:2 inquired 192:20 197:8 194:4 229:16 interviewed 121:21 inquiry 3:22 4:14 112:17 144:3 168:3 interviewee 124:7 insert 46:13 interviewer 190:12 inside 277:17 295:11 interviews 41:14 72:19 inspection 3:8,10 85:6 72:20 73:1 82:12 93:1,2,4 241:2 132:18 192:16,19 inspections 52:4 199:19 235:18 instance 156:1 introduce 11:4 Institute 246:20 248:17 **investigate** 29:18 30:7 institutionally 27:19 41:10 258:15 284:1 instruct 99:16 investigated 230:6 instructed 65:6 258:16 instrument 288:14,18 investigation 3:9 14:22 instruments 249:16 30:8 41:13 45:18 intake 41:15 48:20 68:1,5 69:2 integrity 100:10 234:6 70:15 82:16 87:14 intend 36:8 264:5 92:22 117:15 126:21 157:7 158:17 184:9 intended 190:1 intending 35:15 133:22 187:1 215:11 216:12 intent 10:6 26:4 240:5 intention 33:19 209:13 investigations 41:12

investigative 3:12,13 3:14 41:21,22 44:14 44:16 47:8 48:19 49:4 60:7,16 68:6 69:8 70:6,19 121:19,19 122:6 125:8 127:12 130:9 147:6 188:18 189:22 237:8 investigator 40:13,17 40:19 41:4,8 134:5 233:18 investigators 12:14 30:12,14 237:3 240:22 241:1 294:10 **invite** 182:4,7 invoice 4:6 115:17 152:1 **invoices** 3:18 136:14 invoking 202:5 involved 26:10,14 28:7 29:21 30:1 77:6 186:6 193:5,8 230:20 232:7 232:13 involvement 80:14 185:3,19 219:3 involving 16:7 173:1 215:21 **iPad** 182:4 **ISP** 73:5 82:2 113:11,14 issue 12:10 59:13,21 60:2 99:10,18 108:8 117:1 191:15 198:20 199:2 214:6 217:21 223:20 231:13 276:13 issued 30:8 46:9 issues 12:3 32:10 75:11 80:10 106:16 110:22 111:8 114:14 180:10 item 83:10 **IUPAC** 253:2,4,4,11,13 253:15,19

J J.B 4:12 163:13 jackson.laurianne@e... 2:16 Janousek 4:7 5:8,9 125:10 152:1 221:12 221:18 222:5 JENKINS 256:18 262:7 job 31:15,15 60:12 John 261:10 join 176:14 177:2 181:14 joined 182:21 Joni 4:10 160:6 JUDGES 1:1 judicial 10:19 36:22 37:9 38:11 judicially 37:5 jump 34:6 58:3 83:6 150:2,3 jumped 102:3 jury 75:18 186:17

Kanesek 3:15 kaolin 285:7 **Kasson** 6:19 Kate 49:14 66:13 92:17 178:12 **keep** 10:10 46:20 70:10 80:11 138:1 297:17 keeping 235:3 Kelly 5:7 36:11 233:15 234:22 kept 107:15 **Keteles** 20:7,12 36:5 **ketone** 277:19 Kevin 228:8 keyed 173:13 **KHRFB** 152:2 kilogram 288:7 kinds 13:15 102:17 King 5:6 221:12 222:5 knew 186:20,21 201:3 **knocking** 12:1 21:2 knowing 80:22 196:22 210:9 knowledge 53:4 54:3,5 54:5 71:7,22 72:2 78:18 186:12 224:5,8 225:2,18 226:2,4 230:13 232:17 233:1 278:14 known 23:12 37:3 79:11 249:2 292:19 292:19 **knows** 31:8 113:18 Kristen 20:7 36:4

lab 241:19 248:9,10 255:22 274:2 283:16 283:20 294:17,19 labeled 146:1 202:21 laboratory 53:21 241:16,16 242:2 255:20 256:10 258:13 272:12 273:15,20 281:16,17,17 284:6

Kristin 14:6 36:3

297:16 284:18 285:21 286:10 272:13 290:3 256:4 272:10,14 287:14,19 288:2 legal 19:8 29:14 87:19 273:4 282:13 284:2 looked 44:13 51:3 289:5 291:9 292:11 **Leman** 4:11 163:13 285:6 286:16 69:19 70:5.14.16 294:15 lengthy 207:8 263:18 listen 72:12,22 73:17 94:12 189:2 203:8 lack 56:21,22 57:6 267:4 296:3 82:6,8 132:12,22 225:12 256:9 276:16 lading 13:4 16:5,13 **let's** 47:21 61:9 62:17 133:8 188:10 208:13 279:17,20 209:4 looking 9:7 52:5 56:15 **Lake** 13:8 17:18 18:12 88:21 96:5 118:20 19:16 25:15,16 26:19 130:17 134:19 142:6 **listened** 73:3,4,13,20 65:21 68:10 86:17 82:1 132:10,18 133:2 94:5 96:1,3 100:8,8 27:15,21 28:18,19 157:2 163:22 183:10 29:15 147:1 240:19 187:9 204:1 218:2,12 133:4,10,14 134:6,11 103:18 104:8,14 241:4 275:10 295:10 218:12,20 220:11 106:13 112:1 130:15 173:5 **Land** 248:11 221:20 222:12 226:14 listening 73:9 175:1 178:3 187:9,11 lands 245:15 242:16 245:2 247:12 **listing** 265:6 187:12 195:7 198:11 landscape 61:2 77:18 264:11 265:17 266:12 **lists** 273:7 278:10 202:11 206:11 218:21 language 166:22 268:15 297:19 279:11 287:6 229:8 249:6 251:4 large 49:14 99:11 Letter 30:8 liter 19:7 273:22 274:7 258:6 276:15 280:18 level 14:2 70:4 80:14 283:13 289:3 291:3 looks 25:12 97:14 100:14 283:19,21 285:20 86:16 114:2,2 200:20 200:8 218:11 268:10 293:2 literature 281:14 282:3 largely 99:17 230:12 202:7 216:15 223:5 loophole 31:19 larger 78:15 79:2 226:10 227:15 293:1 282:12 285:9 loopholes 24:8 little 33:8 39:4 44:15 203:16 292:9 293:4 lose 81:11 lastly 273:3 274:18 levels 206:15 58:3,4,8 62:16 63:17 lost 166:1 liability 23:6,7,9 32:8,9 late 29:11 82:14 90:13 107:7 lot 14:12 17:17 21:8 latest 101:9 207:2 108:15 138:17 170:21 26:7 28:9,9,18 29:20 **Laurianne** 2:12 7:6 liberal 74:22 196:15 202:12 203:22 31:13 32:14 41:14 204:22 205:9 208:17 69:15 81:19 185:21 **library** 246:14 81:3,4 82:12 177:17 law 1:1,22 2:3 6:5 23:9 216:3 227:8 240:12 186:20 **lie** 237:4 23:22 24:6,8 25:8 life 224:12,15 245:3 247:17 259:3,8 low 19:13 20:8 25:18 31:18 lift 30:16 287:16 288:18 297:9 286:17,18 lifted 30:16 live 116:20 193:15 Lowe 3:13 121:22 law-abiding 32:6 lived 14:15 lower 14:11 15:8 lawyer 31:8,12 50:19 ligand 247:19 lawyers 31:14 light 74:14 199:2,4 lives 194:11 lump 62:8 lay 58:4,20 211:18 232:3 **Liz** 36:14 lunch 8:22 9:9 170:21 layers 124:7 liked 195:20 **LLP** 2:7 297:7 laying 78:7 limit 19:8 241:20 loaded 169:16 M **leachable** 289:8,17 283:14 local 6:15 16:21 26:10 290:4,7,9,17 limitation 85:19 183:8 215:19 217:4,14 ma'am 34:13 44:6 leachate 283:11 285:12 limitations 177:19 221:9 105:12 189:8 207:15 210:13 287:15,16 291:4 **locate** 39:4 machines 8:21 leachates 273:21 limited 169:8 177:1 located 245:8,22 maintain 61:16 235:5 **leached** 285:13 191:22 196:6 211:15 **logistics** 7:3 8:2 10:16 maintained 67:21 230:3 leaching 251:2 274:22 216:7 long 9:6 31:9 40:15 maintains 117:15 lead 51:7 69:1,2,5 82:20 line 67:10 83:10 171:13 58:13 107:20 138:18 major 15:5,5,6 83:4,8 84:2 249:8,15 192:12 206:6 212:17 244:9 249:19 majority 68:15,15 251:5,20 252:8 216:4 258:8 263:8 longer 90:13 110:5 250:16 leak 16:7 linear 288:14 179:1 184:5 210:19 making 74:17 214:8,20 learned 25:11 86:12 link 28:20 97:20 285:17 265:14 290:19 291:20 look 29:9 43:1 47:21 links 98:1 185:21 **managed** 227:10 liquid 272:19 leave 8:8 29:17 30:2 64:18 88:21 98:16,22 management 45:19 114:15 177:6 206:15 **liquids** 251:15 277:18 102:4 108:14 116:2 46:1,5,21 47:5 60:17 210:12 238:3,12 list 21:21 22:3 260:12 185:8 187:22 189:15 62:20 87:1 88:18 **lectures** 252:9,12 260:17 264:18 282:3 196:20 198:14 203:10 115:17 203:2,6 led 17:21 282:5 213:3 214:7,13 218:2 223:19 225:13 250:8 listed 88:1 205:15 Lee 4:13 164:22 218:19 220:16 222:12 manager 49:3 left 6:19 29:14 42:19 219:13 241:10 252:16 242:21 265:16 266:19 manifest 3:11 13:3 206:10 260:10 267:9 252:18 254:4,11 268:17 275:13 294:13 240:16,17 256:5

275:9,19,21 276:3,5 219:4 223:1 224:19 mention 243:16 253:3 Missouri 6:12 276:11,15,21 277:1,3 231:5 232:14 239:5 282:16,18 mistake 23:12,14 24:9 277:7,10 278:2 247:21 254:17 270:15 mentioned 25:8 30:20 26:3,4 27:17 29:5 manipulated 194:21 275:1 281:8 298:14 95:3 173:3,12 247:4 32:2.2 119:12 141:13 **manner** 95:14 matters 6:22 12:3 87:19 274:1 291:14 293:22 142:1 manufacturer 17:7,9 Maureen 113:7 294:8 mistakes 24:4 maximum 13:18 286:7 misunderstood 89:16 23:3 mentioning 225:6 mess 263:9 mix 294:3 map 20:1 286:11,15 McCollum 4:9 158:19 mixture 19:5 Marc 3:5 4:16,16 35:21 message 29:22 39:2,16 40:5 43:7,21 McCullough 4:14 messing 34:6 **MO** 1:2 44:3 52:9 62:16 73:19 messy 206:15 model 283:11.12.18.20 166:10 140:10 141:14,22 McKay's 29:8 232:21 met 184:4 284:6,16,17 285:21 McNeill 14:6 15:15 36:3 metal 23:3 286:4,15,18 142:6 210:22 March 83:18 85:3,21 mean 15:18 32:7 55:22 metals 247:20 249:7 modeled 235:4 Mares 4:3 145:11 65:1 68:2,19 71:16 252:13 288:9 modeling 282:19,22 283:9 285:22 286:2 mark 2:3,3 3:6,13 4:1 79:18 87:11 91:16,20 Method 251:1 5:1 7:21 19:18 22:16 95:18 96:14 100:17 **methods** 254:18 moderate 15:6 121:22 202:20 203:4 101:14 103:6 106:12 methyl 277:19 moment 48:21 112:6 293:8 107:17 112:1 114:7 mg/l 274:6 115:16 196:16 242:17 marked 43:10 49:7 64:1 119:5 177:2 178:22 mic 215:8 285:4 298:7 90:22 115:9 120:1 180:6,18 186:21 Michael 6:18 214:19 Monday 1:11 6:13 122:2 123:11 125:12 200:7 202:6 204:16 microphone 63:3 money 24:7 81:4 127:5 128:21 131:8 212:8 224:4 231:1,3 **mid-week** 96:12 Mongoven 261:10 135:6 136:17 138:8 231:22 247:15 262:19 might've 229:15 monitor 177:14 179:21 140:6,16 142:19 264:18,19 278:12 mil 273:1 months 14:17 66:17 97:12 186:8,8,9,11 144:5 145:14 147:3 293:13 mile 13:12 miles 13:2 24:11 28:14 148:20 150:15 152:4 Meaning 78:17 191:10 201:14 203:19 153:14 155:20 157:11 meaningful 207:10 Miller's 4:15 242:20 morning 6:3,15 7:5,7 158:22 160:8 162:2 means 265:5 294:3 244:12 245:1 261:20 7:10,12,13,18 8:1,6 163:16 165:2 166:13 295:20 266:5 10:11 11:8,12,18,20 168:5 242:21 244:13 milligrams 19:7 273:22 meant 21:13 37:18 22:15,19 26:11 39:22 274:7 283:13 288:7 265:16 228:16 40:2 50:18 51:4,14 mass 99:15 282:9 measured 275:1 287:10 289:2 291:3 293:2 54:22 173:6 174:18 **Master** 54:20 287:12,14,15 288:20 millions 24:11 28:13 215:17 228:2,5 257:2 **Master's** 245:19,20 289:8,10,11,11,14,16 mind 10:3 62:8 75:12 257:3,4 295:22 296:5 246:1,5,13 252:14 289:22 290:4 291:1 198:13 213:11,22 298:11 match 280:7 measurements 251:6 217:11 267:7 275:18 Morris 257:12.13 material 16:15 17:3 288:12 mindful 213:19 260:14.16 261:1.5.10 measuring 288:9 21:20 25:2 56:10 mine 39:14 106:1,20 261:14 262:10,12,16 198:17 225:9 240:19 meet 7:14,15 50:22 251:13 264:12,16 265:1,8 240:21,22 241:3,5,9 291:9 **Mine's** 158:15 280:16,19 241:17 242:3,5,12 meeting 53:6,10 86:19 **MINTEQA2** 283:2 motion 117:2 200:13 255:13 256:2,9 278:4 92:11 150:13 173:18 minus 203:7.7 201:1,12,21 202:6,8 278:8 281:19 287:6 173:21 175:19 176:15 minute 89:14,17 96:6,7 209:6,7 213:10 292:15 176:17 177:6,18 169:2 210:15,18 Mount 245:6.8 materials 17:1 25:3,16 181:15 182:5.21 233:9 238:19 259:6 Mountains 246:10 55:3 173:1 187:3 195:16 200:2 minutes 90:5 169:18 mouse 171:6 251:14 238:22 239:1 296:17 move 21:1 30:12 33:20 212:2 219:22 220:2 meetings 53:17 223:15,20 225:14 member 252:19 253:1 297:6 34:21 35:2 62:17 282:7 253:22 254:3 minutia 230:4 71:13 77:15 79:17 matter 1:5,15 6:7,8 20:2 **members** 219:17 miscommunications 89:21 111:17 118:18 69:1 77:12 83:4 86:14 memoranda 37:17 38:1 26:15 118:20 119:12 134:19 87:5 89:9 90:9 170:17 memorialize 44:21 misrepresents 17:13 139:18 142:6 143:18 173:14,20 182:17 190:3 missed 11:22 19:17 197:19 244:15 259:14 184:7 190:19 191:7 memorize 229:10 264:13 267:10 286:19 104:15 195:2,18 197:21 memory 82:7 133:2 missing 13:7 moved 17:17 64:14

moves 76:17 227:18 203:22 206:2,4 noon 169:21,22 170:15 nutrients 245:15 266:5 207:17 208:18,21 normal 230:3 0 North 245:9,13,22 moving 9:7 28:13 89:20 209:1,2 210:19 211:1 o'clock 170:15 111:7,19 137:17 224:10 225:16 232:19 **notable** 252:20 244:14 297:17 232:20 238:10 260:8 notarized 63:16 O'Neill 5:7 36:11 233:15 mr@ryankuehler.com 261:7,8 264:8 265:2 notations 154:16 235:1 271:15 295:21 297:21 2:5 **note** 89:16 124:10 Oak 248:17 298:7 228:19 244:11 278:19 oath 39:13 **MSDSs** 21:20 object 38:7 56:21 57:9 needed 238:4 **Mugleston** 49:5 51:7 289:19 52:1 54:2 61:5 68:16 needs 18:3 89:11 **noted** 33:16 74:8 75:11 73:22 211:19 212:1 68:22 69:4,7 71:17,20 111:12 202:3 224:19 80:18 101:2 108:13 264:5 82:19,20 83:3 84:1,9 260:22 114:17 141:3 210:3 objected 259:21 neglected 35:13 252:1 288:15 **objections** 37:7 79:12 84:16,20 85:1,22 **NEIC** 53:21 119:19 notes 228:21 255:21 86:18 113:4,16 79:15 80:18 93:17 121:21 127:3 130:7 241:1,7,14,16 242:2 258:16 281:16,16,17 114:17 122:12 129:11 133:6 154:14,17 242:13 249:20,21 **notice** 1:16 10:20 36:22 129:12 144:17,18 184:10 185:3,7,13,18 37:9 38:11 250:2,3,10,15,17,22 149:16 152:17,19 231:10 235:2,22 noticed 37:5 154:5 156:16 158:3 251:6,15 252:15 236:4,20 255:21 256:10 258:13 notification 26:12 161:6 162:16,18 219:9 220:8,9 Mugleston's 55:17 272:11,17,21 273:2,9 164:6 165:15 167:7,9 189:12 235:18 **notified** 26:11,14 273:15,19 287:13,22 168:15 206:8 210:2 multiple 26:9 99:12 288:5,8,11,22 289:19 172:21 173:9 185:12 230:10 255:6 259:13 110:6 206:15 219:11 292:16 294:9,15 185:17 266:8 277:4 290:22 **NEIC's** 281:15 **notion** 147:15 objective 70:12 251:19 Myers 4:8 153:11 neighborhood 5:16 notwithstanding 57:2 objectives 251:17 29:3 **November** 18:15 19:4 obligation 141:10 Nelson 6:20 now-designated 181:19 190:16 198:15 obligations 211:22 N.O.S 277:18 Network 5:4 261:21 never 191:16,19 194:10 **NPPG** 16:5 observations 54:1,2 **N/A** 289:4 name 7:6,14 40:4 41:4 number 12:3 13:11 **observe** 180:8 181:19 195:12,15 200:1,3,18 18:14 19:2 47:7,17 47:7,11,15 66:13 203:8,21 205:8,10 **obtain** 41:17 184:21 239:22 293:14,18 295:3,11 48:2,8,10 54:19 79:12 obtaining 13:10 283:17 Nevin 2:7 7:16 92:9 99:21 115:13 names 35:18 **obviously** 9:11 48:16 narrowing 200:19 new 1:6 2:2 6:8 7:19,22 119:17 121:10 123:6 57:5,21 58:1 75:10,16 11:2 36:7 38:17 44:4 125:4 126:20 128:16 78:8 98:7 103:2 national 4:14 11:22 74:17 79:8 80:16,18 130:5 131:3 135:3 117:19 202:3 203:1 16:12 40:14 168:3 240:4 248:15 81:12 91:17 92:4 93:9 136:12 137:22 140:1 216:8 263:13 265:6 **nature** 74:20 95:1 109:12 116:9 142:13 143:22 144:3 297:20 near 117:14 118:3 120:11 122:10 145:9 146:20 148:15 occasions 154:19 124:2 132:14 133:1 150:10 151:20 153:8 **nearly** 272:22 occur 208:6 219:8 necessarily 69:20 137:8 143:9 144:16 155:15 157:6 158:17 occurred 14:1 15:13 72:12 192:15 146:6 147:13 149:15 160:4 161:19 163:11 26:5 85:7 186:2 necessary 169:8 207:7 151:6 152:18 154:6 164:20 166:8 168:1 199:19 215:15 209:6 216:11 238:13 156:17 158:3 159:14 175:15 192:17 219:14 occurring 106:19 222:2 276:17 161:4 162:16 164:6 220:22 249:4 274:14 October 1:12 6:13 necessitated 209:8 165:16 167:7 168:15 275:19,21 276:3,4 12:20 17:9,13,19 18:1 necessitating 185:19 169:14 213:9 271:18 277:7 279:19,20 Off-microphone 110:12 207:22 news 150:1 289:21,22 290:1,3 offer 10:6 36:16 80:8,16 need 8:14 9:6 10:15 nice 7:14,15 50:21 51:1 **numbered** 101:15 142:1 181:13 192:21 36:17 39:12 47:19 297:13 numbering 97:10 195:15 199:8 60:20 76:7 77:19 79:4 night 16:4 298:11 104:13 244:18 offered 79:13 84:22 80:18 89:8 94:22 95:1 nitrogen 246:6 **numbers** 62:18 104:4 141:21 195:11,13 nods 34:12 96:6 98:7 99:13 103:5 198:4 271:17,19 196:9,14 197:1,1 103:9 112:3 170:5,10 **Noel** 3:19 140:3,12,17 279:17,22 280:1,3,14 198:1 209:18 216:20 nomenclature 253:6 179:10,16 182:6,10 281:3 289:9 291:4,12 217:2 229:15

291:14

noncompliance 14:3

182:11 190:20 202:11

offering 204:17 235:10

259:18 origin 98:14 paralegal 66:14 171:6 people 28:10 29:15 office 1:1 2:13 6:19,20 original 222:14 176:3 48:11 71:10 113:12 originally 59:10 parse 75:19 173:15 184:15 200:16 **OSHA** 68:1 203:5 part 14:4 26:12 29:9 204:4,5 205:5 220:4 other's 98:3 30:7,22 41:11 49:2,9 248:10 250:7 261:6 **outcome** 278:5 51:6 59:11,12 70:18 officer 132:20 195:9 outside 18:12 19:1.9 71:3 72:4,11 80:2 102:19 107:13 192:8 106:18 107:9 113:4 227.1 official 173:9 229:7 240:21 119:5,6 138:21 outstanding 235:3 265:3.4 141:14 142:1 191:5 **Ohio** 248:9 overall 214:3 191:22 193:1.9 195:7 Olive 245:6,9 overrule 217:7 226:6 195:14,18 196:13 236:12 once 30:6 46:11 202:17 197:10 198:22 199:16 209:14 259:20 261:14 owner 32:22 204:13 206:7,22 269:12 281:15 285:10 208:7,11,14 209:2 Ρ one-page 43:22 211:20 214:3,12,20 ones 74:15 141:2 P-R-O-C-E-E-D-I-N-G-S 215:10 218:4 224:21 ongoing 51:7 228:22 229:2 231:18 6:1 open 8:7 12:22 13:1 **p.m** 8:11,15 170:18,19 232:3 248:10,20 19:1,10 51:15 54:21 182:18,19 239:6,7 251:14 263:9 265:3 **PARTICIPANT** 171:20 55:6 57:12 65:12 270:16,17 298:15 71:13 121:3 132:4 **P.O** 2:4,8 172:2 137:18 189:9 209:11 pad 28:18 participate 185:14,18 238:3 259:15 participated 227:2 page 10:6 35:16 43:5,6 opened 70:2 108:15 51:20 52:6 53:8 54:11 participating 185:22 opening 3:2 11:16 54:12 55:21 56:1,5 participation 238:14 22:18 57:14 158:15 63:20 64:19 93:19,20 particular 48:16 82:15 173:5,10 93:22 94:2,2,12 95:10 100:5 103:17,17 openings 9:11 10:20 104:3,10 105:1,7,9,17 134:3 180:11 191:13 operations 49:3 110:14,19 119:7 232:17 286:18 opinion 242:11 268:1 particularly 252:10,20 145:21 178:19 187:10 277:22 278:6 292:15 187:11,12,19,22 263:3 parties 76:4 114:16 292:18,22 189:4,6,9,16 218:17 opportunity 45:11 218:18,19,21 219:13 198:19 199:5 276:10 61:18 80:6 82:5 106:4 parts 27:1,2 231:17 220:11,13,14,17 207:18 208:12 209:3 221:4,20 222:13,20 party 6:22 16:20 197:6 230:10 235:13 268:17 202:3 222:20 226:14,18 269:13 227:13,17,17 265:10 pass 15:18 **opposed** 213:10 224:6 passing 29:1 269:7 273:16 275:5 225:19 259:1 password 46:10 275:18 276:2 277:21 opposing 25:11 278:19 280:11.13.17 pathways 20:18 **Optical** 247:10 280:19 281:3,21 **patience** 7:7 92:4 options 209:11 210:14 286:19 patiently 82:4 211:15 297:9 **pause** 268:15 pages 54:15 99:12 **ORD** 248:12 101:4,15 104:5,12,21 pausing 290:21 order 79:17 190:2 105:9,12,19 106:5 peer- 254:9 peer-reviewed 248:5 ordering 297:11 107:7 109:14 110:9 orders 57:21 110:10 268:11 271:2 254:8 ordinary 58:15,16 paid 111:13 240:7 penalties 13:20 46:15 117:16 paint 5:18 12:18 18:4 penalty 12:7,9,15 13:19 organic 247:7,18,21 19:6 295:9 14:5,7,9,11 15:3,6,8 253:6 15:17 19:19 20:21 **paper** 94:6 organization 253:10 21:3 23:11 31:1,2,5 paragraph 64:18 67:9 organizations 254:1,4 67:14,20 68:11 83:13 32:11 37:1,11,16 38:2 203:9 207:2 213:7 organize 99:19 84:4,19 85:18 183:17 organized 100:3 216:8 296:2 189:16,16

31:13,17,18,19,20 32:6 113:5,17 124:8 219:14 237:4,9 274:18 **perceive** 101:16 percent 22:22 25:3,5,5 251:7 273:1,7,8,9 289:14,17 290:4,9,17 291:1 percentage 289:8 perfect 22:12 39:4 178:6 182:1 **perform** 194:16 228:10 241:2 245:10 248:6 248:20 250:15,17,22 251:5 **performed** 31:3 228:2 241:16 247:2 249:1 278:17 282:19 283:10 288:11 period 107:14 221:12 233:20 **permit** 13:10 person 113:18 188:16 personal 54:2 71:7,21 224:4 226:2,4 230:12 personally 205:7 234:3 261:1 Personnel 250:8 pertinent 230:13 **Peter** 3:11 **PGII** 277:19 **pH** 251:6 pharmaceuticals 22:21 **phase** 181:10 **PhD** 246:17,18 247:4,6 248:1,2,5,7,8 252:14 **phone** 154:22 181:16 **phonetic** 49:5 138:5 163:13 187:16 222:17 227:2,6,16 228:8 phosphorous 246:6 247:8,18,20 252:13 photocopies 192:17 200:5 photocopy 54:18 188:1 188:3 physical 250:5 272:18 282:8 physically 204:4 284:21 **pick** 30:13 90:6 170:5 268:18 269:14 298:5 **picked** 295:9 picture 193:22 213:20 pictures 17:11

244:2 piece 170:11 213:5 208:1 209:11,12 practices 224:2 228:17 210:6 221:17 224:21 pre- 101:22 109:1 presence 5:3 217:4 **pieces** 76:1 232:21 235:11 238:8 111:21 200:6 203:19 present 9:15 11:10 pigment 282:20 286:5 257:10 286:13,14 pre-hearing 97:5,11 35:15,19 53:11,17 286:16 292:20 pointing 133:6 98:15,18,22 99:8 71:21 79:10 119:8 pigments 284:20,21 pointless 230:15 100:1 101:13 102:7 123:8 124:5 138:11 140:9.11 141:17 285:12,16 points 80:12 81:1 102:20 103:2 104:3.9 **Police** 17:4,11 73:5 106:18 107:3,6 109:4 150:13 153:11 154:12 ping 261:10 **PIV** 46:9,11 111:13 192:1 200:4 132:20,20 227:21 154:18,22 156:2,5,7 200:11 205:15 211:20 placarding 13:4 228:7 191:7 210:5 229:15 place 23:18 39:12 44:21 policy 12:7 13:19 14:7 212:1 256:21 280:10 229:20 232:10.18 46:19 49:11 60:16 15:6 19:19 20:21 37:1 281:4 235:18 250:1.3 92:12 166:1 276:17 37:11.16 precipitated 283:7 presentation 9:17 politeness 8:18 180:15 232:3 placed 28:6 213:6 **precise** 96:11 172:13 plan 8:12 9:8 191:7 Pollution 248:12 precisely 13:14 99:14 presented 13:14 201:5 216:15 259:11 297:19 Polytechnic 246:20 predicted 289:18,21 204:18 205:1 238:5 290:1,14,17 291:2,6 298:1 polyurethane 284:10 292:21 planned 186:5 284:12,12,19,22 291:14,22 presenting 51:17 89:13 planning 35:18 134:7 285:1 294:1,2 prediction 256:7 134:8 191:21 plantations 247:8 **pools** 247:8,18 273:12 281:9,18 presently 25:7 Plasma 247:10 popped 243:11 290:14,19 291:20 presents 79:14 playing 14:2 populate 171:14 predicts 283:3,5 286:5 preserve 30:3,8 213:17 pleadings 26:7 **portion** 25:6 202:12 prefer 91:9 preserved 177:7 please 7:1 21:14 38:21 portions 133:8,14 preferable 208:9 preside 6:7 39:13,21 40:3 42:4 180:3,20 preference 10:1,9 presumably 54:10 44:2 49:17 52:13 56:7 position 180:2 206:11 179:13 100:4 62:14 63:9,11 77:21 209:16,22 213:9 preferred 91:6 presuming 198:10 83:15 88:15 90:18,20 231:12 232:8 295:8 **prehearing** 38:4 59:3 prevent 13:16 28:10 92:18 119:4,12 **possessed** 193:13 59:10 195:7,14 **previous** 88:12 117:2 121:20 124:17 125:7 possesses 190:17 prejudice 258:2 222:20 134:19 137:2 138:19 previously 69:20 87:20 **possession** 191:3,18 preliminary 10:18 139:18 143:18 145:3 **possible** 26:13 84:8 225:17 231:5 241:8 88:17 114:4 116:13 255:22 256:6 272:4 118:7 122:12 129:12 146:14 148:7 149:5 181:14 150:4 151:14 153:4 possibly 23:17 186:21 273:11 281:9,18 133:18 141:2 174:2 155:11 159:22 161:13 237:17 238:7 297:14 Premium 18:7 178:13 184:17 189:3 162:9 164:1,15 171:3 post 207:19 208:3 preparation 51:10 222:20 175:13 178:21 201:9 post-doctoral 248:21 54:22 73:9,11 87:21 primarily 22:21 69:14 post-doctorate 248:14 215:3 224:12 239:14 92:14 115:20 121:16 79:1 239:19,21 240:2,11 249:1 251:11 125:16 127:9 129:4 primary 68:20 184:18 242:8,20,21,22 245:4 post-hearing 9:21 130:10 131:11 135:10 281:8 246:17 247:15 251:9 **posture** 212:20 136:21 138:15 143:2 **Prime's** 12:5 14:21 15:2 256:13 264:14 265:16 potassium 246:6 144:9 145:18 147:7 15:20 16:16 18:2 27:1 265:17 266:11,19,20 potential 19:12,20,21 149:2 150:19 152:8 95:2 272:3 275:4,6,13,17 20:4,14 25:12 197:21 153:18 156:10 157:14 primer 4:5 16:11,14 275:18,19 276:1,3,7 potentially 58:2 78:5,11 159:4 160:11 162:6 18:19 241:12.13 277:6,15,20 278:18 100:17 194:18 200:8 163:19 165:6 166:17 255:14 256:3 272:11 279:3,8 281:22 231:20 168:9 188:12 228:11 278:1 279:7 284:5 282:17 286:19 287:3 287:7 294:2 power 202:5 **prepare** 43:8 45:1,5 **PLLC** 2:3 **PP&G** 240:15 272:16 63:5,12 103:12 primers 18:4 point 12:2 21:9 32:20 278:10 108:17 244:3 266:16 **Principal** 240:5 250:4 33:9 42:11 57:12 **PP&G's** 272:10 267:1 250:12 251:22 252:4 67:12 69:4 77:4,14 **PPG** 17:6,9,12,12 prepared 4:15 35:22 principals 254:18 83:2 109:10,11 114:3 121:22 130:8 295:10 45:4,7 51:22 53:19,21 principle 190:7 132:11,11 134:7 practicable 45:2 63:15 113:21 169:17 principles 20:11 173:15 179:20 192:5 practical 296:11 print 270:3 176:10.10 213:14 195:17 203:22 207:6 practice 117:11 236:11 238:7 242:17 prior 18:9 23:20 24:15

25:9 51:3 63:20 73:14 107:10,11 114:8 119:10 124:9 133:9 201:1 privy 96:20 194:10 235:21 **Pro** 101:8.10 probability 25:19 30:21 probably 8:3 9:12 10:11 31:8 52:8 60:12 296:3 297:18 problem 7:9 23:17 27:16 101:2 104:22 111:6 243:19 278:21 procedure 186:14 251:2,3,3 256:11 274:1,22 285:14 286:6 procedures 16:19 253:7 **proceed** 9:1 81:20 112:2 172:3 183:7 206:21 213:11,14 271:12,21 proceeding 11:10 75:1 100:10 173:3 181:10 183:5 196:4 207:10 265:5 proceedings 176:8 185:14,19 207:13 209:4,7 239:17 process 9:13 41:20 78:4 81:2 91:22 96:13 96:17 97:15 104:9 107:4 111:14 193:6,8 208:9 270:22 proclaimed 16:19 produced 101:12 212:7 212:19 278:10 product 12:19 17:7 241:11 273:5 279:14 279:21 281:13,15 282:7 284:2,11,19 285:1,7,8 products 18:17 240:15 240:15,17 241:10 279:21 280:2 288:13 professional 252:20 253:22 254:4 professionally 234:4 program 15:11 19:22 20:3 87:5,9 **projected** 176:1,4 promise 93:11 **promote** 253:15 **prompted** 231:15 232:18 268:9

promptly 200:13,14 proof 190:21 proper 13:9 17:10 18:21 properly 18:8 23:16 30:18 112:10 247:14 **properties** 272:9,13 proposal 31:5 proposals 253:12,14,18 253:20 proposed 15:3.17 24:2 101:21 111:21 231:9 263:17 270:19 proposing 78:14 protect 100:9 protecting 19:16 protection 1:2 2:11,13 6:6,10 40:10 41:9 46:10 **protons** 249:4 274:15 274:17,20 prove 202:13 236:11 **provide** 21:22 37:21 59:19 65:2 80:12 189:21 191:6,19,21 195:8,9 198:16 201:16,17 204:1 205:12 211:21 253:20 provided 21:21 59:8 65:3 79:22 87:8 113:18 127:2 178:12 186:13,17 191:8,9,11 197:14 203:3,6,16,18 203:20 provides 20:1 198:7 providing 201:20 **public** 13:1 245:15 publications 248:5 254:10 **publish** 42:5 63:9 90:20 120:22 122:20 124:17 126:13 **published** 67:4 106:14 246:12,14 248:3 **pull** 42:4,8 47:20 67:4 83:15 91:5.9 93:20 99:14 110:8 112:7 119:12 121:3 129:20 148:7 155:11 158:12 161:13 163:3 166:1 167:16 175:9 177:22 178:1 181:15 183:14 191:20 205:14 280:14 **pull-out** 179:3 pulled 179:2 203:5

pure 229:18 252:22 274:12 purely 78:19 80:15 purported 188:3 192:18 purpose 213:4 229:21 purposes 76:20 230:17 244:11 250:4 259:5 274:21 pursuant 1:16 211:22 **pursued** 229:8 **pushing** 186:10 put 28:16,17 29:14 58:18 60:11 77:4 97:7 100:4 117:18 141:16 181:17 186:9 195:22 276:20 277:1 281:21 284:19 putting 294:8 298:10 Q

pulling 89:4 106:17

112:6 121:2 176:4

qualifications 242:17 245:3 qualified 257:16 259:17 260:4 qualify 241:21 quality 3:8 86:15 113:3 113:7 245:14 quantified 246:6 247:19 247:22 quantifies 249:3 quantify 247:7 251:20 quantity 16:9 quarter 8:13 158:19 166:10 189:12,21 question 32:15 52:18 52:19 55:13 68:4 70:3 77:13 83:22,22 88:9 93:2 94:10 95:21 97:17 100:7 103:6.21 112:10 130:13 131:22 132:16 172:19 185:16 187:2 192:11 194:14 194:15 196:18 201:8 202:15 204:22 206:4 217:3,10,12 224:6,18 224:19 225:5,7,7,10 225:19 226:1 228:14 230:11,16 234:19 236:16 258:4 259:1 259:16 260:14 266:13

267:10 270:18 280:7

questioned 293:14,18

292:13 294:6

295:4,11

questioning 112:3 174:10 191:12 192:9 197:20 228:13 231:8 231:19 **auestions** 45:10 62:7 64:9,15 76:10 77:19 81:17 88:20 93:13,17 116:10 132:14 200:22 202:15 216:18 225:18 231:1 232:21 234:17 237:14 293:6.8 295:14 quick 10:3 32:20 33:15 34:3 35:12,14 92:19 100:11 116:16 131:22 133:19 211:4 216:1 234:16 237:21 247:12 257:9 270:18 280:7 quickly 49:16 59:2 83:7 92:18 99:20 101:21 102:1 229:9 284:8 297:6 quite 20:22 30:6 161:4

R raise 39:13 raised 59:19 117:1 200:3,4 205:2 raising 39:14 191:14 ran 171:6 range 274:5 288:14 289:1 **RCEC** 87:8,11,12 203:3 204:4 205:4 RCRA 12:7 13:15,19 14:7 15:11 19:3,17,19 19:22 20:21 23:7 24:12,15,16 25:12 27:6 30:17 32:7,11 37:1,11,16 250:19 252:7 283:14 291:6 291:10 292:16 293:1 RCRA-08-2020-6:10 RCRA-08-2020-0007 1:7 RCRA-permitted 275:11 re-direct 295:13 re-open 109:8 209:6 re-orient 82:15 reach 109:13 200:16 205:5 206:10 207:5 reached 120:4 reaching 291:16 reactivity 250:21 read 48:6 52:13 67:11

67:18,20 70:16,17,18 201:12 219:3 227:21 230:1 reference 55:8,14 56:4 94:15 125:6 190:5 recess 89:14 170:14 232:12,15 235:2,3 61:11 187:19 189:22 200:8 275:14.16.17 298:5 239:6,8,22 244:11 222:4,13 226:19 275:19 276:3,7,22 reciprocate 8:18 262:6 263:11 264:4 227:5 265:3,4 270:12,14,16 277:7.15 recognize 32:8 48:9,10 referenced 38:1 56:17 readable 91:8 276:18 48:17,17,18,22 49:3 271:7,14,16 298:8,15 57:7 79:20 112:9 201:17 205:20 277:3 76:18 92:5,7,8,10 **record's** 118:12 readily 37:4 197:16 111:7 115:6,7,12,13 recorded 3:17,17 4:4,8 references 222:1 282:6 4:9,10,12,13 72:20 reading 56:8,16 121:13 115:16 116:3 119:1,2 282:9 referred 21:19 28:2 189:19 212:16 119:5,5,8,13,16 121:6 73:1 82:2,8 131:4,16 ready 33:11 36:19 132:10 135:1 148:17 74:5 104:12 113:17 121:9,10 123:2,4,7,8 38:18 115:4 171:1 124:22 125:2.3 155:17 157:8 161:22 199:5 203:17 186:19 201:18 271:11 126:17,19 128:13,15 164:22 166:10 187:20 referring 45:16 53:13 real 237:21 280:7 128:16 130:2,4 131:1 60:4 67:1 85:18 87:5 189:20 247:14 realize 209:15 131:2,2 134:22 135:1 **recording** 72:9,10 102:6,11 103:9 295:5 realized 22:4 276:15 135:2 136:9,11,12 133:1,2,10,15 188:2,4 refers 71:15 realizing 85:19 256:16 reflect 199:17 137:19,21 138:4 188:15 190:4,9,10 rearranged 286:22 139:21,22 140:11 194:2,3 196:11,19 reflected 19:4 54:11 reason 75:9 109:7 142:12,16 143:21 201:5 202:18 204:11 55:4 69:22 71:3 94:6 234:19 284:14.17 145:6,8,9 146:17,19 204:16,20 205:13 98:18 186:21 231:16 206:13 209:21 210:1 reflecting 16:14 140:17 reasonable 208:4 148:12,14 150:7,9 reasons 57:9 74:18 212:4,12 213:4 149:9 151:19 153:7 155:14 114:5 157:3,5 158:13,16 recordings 58:22 59:4 reflection 188:16 rebuttal 36:5 169:8 160:3 161:18 163:8 59:5,11 60:8 72:13 reflects 21:3 54:1 237:18 238:4 296:14 163:10 164:18 166:6 73:13 132:17 133:22 113:11 refresh 47:20 82:7 recall 53:7 57:13 68:9 166:7 167:21,22 134:8 188:7,11 73:8 84:15,20 86:11 229:6,7 231:2 243:20 192:16,19 193:10 refreshed 9:4 87:4 173:20,21 215:9 265:18 275:6,8 279:2 194:8 195:11 197:9 **refused** 31:18 215:16 228:5 231:17 recognizing 75:17 199:18 200:11,17 regard 12:10 33:17 77:7 116:11 124:5 136:14 201:17 202:17 205:4 82:13 103:6 112:5 237:18 recalled 238:7 210:13 230:11 205:6,15,20 207:9 170:6 196:11 209:20 **RECD** 3:6 4:1 5:1 recollect 260:19 208:5,10,18 211:17 213:7 228:20 263:13 recollection 47:17,21 records 3:20 45:22 58:6 regarding 15:20 49:11 receipt 3:19 4:6,7 142:16 150:12 152:1 68:5 82:4,10 83:10 58:14 67:22 68:3,12 64:15 71:7 215:20 217:16 219:14 223:19 264:17 84:16 133:7 156:3 71:3 78:7,21 80:1,16 receive 138:20 141:12 232:17 89:18 117:5,6,7,13,16 225:13 226:10 228:1 194:22 261:1 recommendations 119:9 127:2 141:15 regardless 278:4 received 18:15 35:8 249:9 141:17 142:16 184:3 regards 58:22 169:10 44:10 58:15 74:12 reconvene 297:5 200:10 203:15 216:10 195:11 75:3 94:21 95:13 96:7 reconvening 207:22 230:2,18 234:18 region 2:11,14 6:9 7:3 107:5 114:10 118:15 record 7:1 10:13 23:19 235:5 9:14 10:16 11:16 120:19 122:17 124:14 40:4 41:22 43:16 48:6 recover 9:3 13:21,22 34:18 35:17 126:10 128:6 129:17 50:7 51:11 60:11 Recovery 241:21 87:9 100:2 109:13 130:8 134:16 136:2 75:21,21 76:20 78:20 **Recross** 3:4 235:14,15 186:13 187:3 188:7 137:14 139:15 141:7 81:6 82:5,9 87:10 rectified 108:10 191:10 195:10 202:16 recycling 23:2 143:15 144:22 146:11 89:20 90:10.13 203:3,18 219:18,19 148:4 149:20 151:12 100:16 106:10 117:4 redacted 166:22 219:19 232:9 153:1 155:8 156:21 117:13,19 119:6 Redding 227:5 **Region's** 31:5 125:7 142:5 166:20 redirect 3:4 9:18 234:11 158:9 159:19 161:10 **Regional** 2:13 87:13 162:22 164:12 165:20 170:18,20 172:17 234:12,14 235:13 128:19 219:21 222:22 167:13 168:21 191:10 176:7 182:13,18 redox 249:6 274:12 227:6,9 191:11,19 194:21 183:4 188:19 199:16 redundant 147:15 regroup 9:3 195:10 203:11 245:5 203:7 208:8,11,15 reevaluated 281:18 regular 117:11 240:9 245:7,20,22 248:7 209:7 210:7 211:16 refer 41:5,22 80:1 99:8 regularly 251:15,21 257:13 271:8 211:17,19 212:2 154:13 183:22 241:13 regulator 17:22 receiving 193:9,10 214:4,4,12,20,21 260:7 regulators 14:19

п			310
045,40,047,5,44	1,4E E,00 47,44 40,4	00:0 440:7 400:40	reenending 040:0
215:19 217:5,14	4:15 5:22 17:11 42:1	93:8 116:7 120:10	responding 213:8
regulatory 13:15 19:8	44:17 45:4,13 47:9	122:9 124:1 126:3	224:16
241:20 283:14	48:19 53:8,9 54:6	127:16 128:1 135:18	response 4:14 15:14
rehash 216:11	72:6 92:11,22 93:4	137:7 139:7 140:20	16:12 17:12,12 61:21
reiterate 298:8	110:5 113:1,6,10,11	143:7 144:14 146:4	116:16 117:20 118:2
related 86:22 92:9	113:16,19,20 119:19	147:12 149:13 151:5	128:19 133:19 168:3
245:11	119:19,21 120:14	152:16 154:4 156:15	197:10 206:8 212:22
relates 192:10 281:14	121:20 122:6 124:6,7	158:2 159:12 160:20	219:21 220:2 222:14
relating 252:10 254:1	125:5,6,9 126:22	162:14 164:5 165:14	222:22 224:15,21,22
254:14	127:1,13 128:17	167:6 168:14 200:9	227:6,9 255:17
relationships 221:9	130:7,10 136:14	require 93:17 196:16	responsibilities 69:3
relative 191:7	138:4 140:3 142:15	required 20:6 191:6	253:9
relatively 6:14 15:10	142:17 144:2 145:10	195:8	responsibility 23:8
relax 9:2	146:22 147:7 148:16	requirements 18:22	68:20 184:19
relaxed 75:7	152:1 153:10 154:11	requires 32:12	responsive 230:22
release 13:14 237:16	155:17 157:8 158:18	requisite 225:2	rest 9:9
relevance 78:9	160:6 161:21 163:12	research 196:17 247:6	restoration 246:8
relevant 103:16 193:12	164:21 166:9 168:3	248:2,5,10,16,21	restoring 179:20
194:18,19 281:14	188:19 252:7 257:17	249:14 282:11	rests 169:9 235:12
282:3	258:10 259:13,17,20	reserve 36:4	result 25:14 26:15
reliability 56:21 57:4,6	263:16 265:22 266:6	reserves 169:7	191:20 252:14 284:22
209:20 234:19	271:17,18,20 272:9	resident 184:13,14	292:2,8
reliable 76:5 206:14	282:4 285:10 286:20	resides 185:9	resulted 201:11
relied 107:8,21	286:22 287:1 294:12	resolution 212:16	results 19:3 246:15
relief 209:8	reportable 16:9	Resource 241:20	251:3 256:10 258:12
relies 110:5	reported 219:10,11	respect 31:11,13	258:13 272:11,15,17
reluctance 99:7	258:12 273:2 289:1	141:11 154:16 194:20	272:21 273:3,9,14,15
reluctant 99:22 207:11	reporter 22:9,11 260:21	196:1,10 208:16	273:17,20 283:8,12
rely 100:1 254:17	reporter's 22:8 260:9	231:6 234:3 260:6	283:15,17,20 284:7
267:14	262:3 265:4	282:13	284:17,18 285:20,21
relying 51:13 109:1,18	Reporting 44:18	respectful 8:12	286:8,10 287:10,13
214:21	reports 3:12,13 44:14	respectfully 194:13	287:18,22 288:3,4,16
remain 227:15	45:6 53:14,18 60:8	respects 276:21	289:13 290:13 291:9
remainder 241:12	68:6 70:6,20 113:1,21	respond 57:16,20 63:1	292:6,12 294:9,15
remained 18:5	124:8 205:20 232:16	102:14 141:18 195:6	resume 4:16 5:7 43:7
remaining 290:12	251:21 252:2,4	197:3 201:10 224:6,8	43:18,22 44:3,13
296:17	represent 7:19,22	responded 195:16,16	resumed 90:10 170:18
remediation 248:11	22:16 52:20,22 76:12	200:13,14 217:19	182:18 239:6 270:16
249:10	212:10 293:9	respondent 1:7 3:3 5:2	retain 229:10
remember 25:13 26:2	representation 127:12 representations 113:10	6:9 9:17 35:10 65:22	retained 45:14 233:17
36:16 133:6,11,11	118:6	96:9,17,18 97:19 98:2	reticent 211:16 retire 85:2
reminds 92:11 remote 29:19	representative 11:9	100:4 102:21 103:11 103:12 108:9 110:22	retired 61:8 69:4,6 83:3
remote 29.19	55:9,16 227:3 252:22	111:19 176:10 191:11	83:8 84:1,9,20 86:1,4
removed 290:15	253:9	206:3 209:19 260:16	185:7
render 242:11	represented 53:2	268:16 269:12 271:7	retirement 86:6
renew 266:13	representing 109:12	276:13	return 170:5 175:8
repair 46:22	request 36:21 59:8 87:9	Respondent's 19:14	207:6
repeat 55:13 82:14	129:10 131:21 191:17	20:8 34:15 35:3 99:10	returned 241:15,19
105:10 130:13 185:15	199:17 200:18 201:10	106:17 206:8 218:2,5	242:13 288:2
293:16	203:11,12 205:8	238:5 276:2	review 45:8,9 51:11
repeated 17:2	207:13 238:19 255:18	Respondents 59:10,19	58:21 62:6 63:18
repeating 8:4 108:8	requested 197:14	65:3 203:18 205:7	69:15,21 70:3,13
repetition 110:21	requesting 17:10	256:20	75:21 80:15 88:1
repetitive 100:16	192:16 207:6	responders 20:15	92:13 115:19 119:9
report 3:8,9,12,14,15	requests 44:2 50:1 64:6	215:19 217:4,14,19	121:15 123:14 125:15
-,-, -,,		, , , , , ,	
II	1	ı	1

224:9,10 225:16 127:8 129:3 130:9 273:2,5,7 278:9 279:6 172:2 176:17 177:9 131:11 132:11 135:9 226:6 279:10 284:2 285:6 177:18 183:16 243:5 136:20 138:14 141:17 ruled 57:21 60:1 286:17 272:7 276:20 282:1 143:1 144:8 145:17 rules 58:2 59:14 75:6,7 **salary** 240:10 scroll 42:9 43:3 49:15 147:6 149:1 150:18 107:14 198:6 **Salt** 13:8 17:18 18:12 52:12 53:7 55:18 63:9 152:7 153:17 156:9 ruling 58:19 74:15 19:16 25:15,16 26:19 63:19 72:17 92:18 157:14 159:3 160:11 76:16 79:16 93:18 27:15,21 28:18,19 94:1,13 116:1 120:4 162:5 163:19 165:5 114:8 117:17 118:9 29:15 147:1 240:19 123:18 125:19 129:2 166:16 168:8 184:22 124:9 196:9 213:13 241:4 275:10 295:10 130:11 131:15 135:13 198:21 206:5 207:7 213:18 214:6,7,13 **sample** 30:14 146:22 137:2 138:18 140:14 214:13 229:5,6,22 rundown 10:3 33:15 142:22 145:21 149:5 250:17 288:1,1 253:12,18 254:13 34:3 35:14 sampled 12:12 241:7 150:22 152:11 153:21 255:12 269:13 279:22 287:8 292:16 running 179:6,7,8 157:18,18 159:7 Rural 5:6 221:13 222:5 160:15 162:9 163:22 reviewed 51:3 57:8 samples 241:14,18 58:7,9,11 60:18 63:20 **RX1** 34:15 242:13 249:8,15,18 165:9 166:20 242:22 72:4 119:9 155:2 **RX16** 34:16 251:10,12,18 289:5 244:5 265:17 266:20 **RX19** 34:16 216:22 228:22 229:2 289:20 294:10,18 275:6,18 279:8 229:18 230:17 232:13 **RX2** 34:15 **Sandy** 3:17 131:5,17 scrolled 104:7 244:8 254:10 255:19,20,21 RX3 34:15 218:9 132:12 133:3 187:15 scrolling 56:13,15 256:2 272:3 278:9 **RX4** 34:15 **sat** 29:12,19 30:5 31:9 63:17 99:15 104:11 281:13 292:21 294:14 **RX5** 34:16 satisfied 180:19 284:3 110:17,18 reviewing 80:13 132:3 **RX6** 34:16 satisfy 117:6,8 scrutinize 181:18 213:19 214:6 229:17 Ryan 2:3,3 7:21,21 **save** 24:7 **SDS** 18:16 21:10,11 rhythm 261:14 22:15,16 37:7,10 38:8 saved 111:14 104:5 278:20 282:14 Richard 138:5 77:19 103:14,21 saw 53:6 63:16 175:5 SDS's 100:19,22 **Richey 220:6** 107:1,3,19 108:14,16 saying 113:12,13,14 **SDSs** 18:20 Rick 4:13 164:22 108:21 109:1,7,16,18 search 4:3 146:22 230:18 171:18 110:1,4 111:2,4 174:5 says 28:3,4 54:20 56:8 147:18 195:1 seated 239:20 **Ridge** 248:17 197:6,7 199:18 200:2 79:8 84:4 85:13 124:8 205:11 207:3 238:17 199:22 200:9 201:9 second 14:20 17:6 18:4 Rightfully 213:2 238:19 239:1 244:21 231:15 258:9 289:20 rises 172:8 19:3,6 53:7,10,13 risk 13:14 20:8,11,18 255:6 258:3,6,14 scanned 204:6 63:19 88:15 102:5 259:7 260:19 261:4 scene 17:5 18:3,5 217:5 103:10 104:16 105:6 20:20 risks 18:20 261:18 262:1 264:4 217:19 227:9,11 105:11 126:12 145:21 road 12:1 16:2,3 17:6 266:8,14 267:3 268:7 228:7,8 150:4 182:16 192:5 17:21 18:14 19:2 20:1 268:13,19,22 270:5 schedule 297:14 193:7 224:4 226:5 20:22 27:11 224:16 271:2,4,9,11,16,21 scheduled 205:11 228:17 236:7 247:13 roads 13:1 272:1 277:4 280:6,10 **scheme** 13:16 258:20,21 266:12 roadside 12:18 27:5,9 280:13,17,20 281:1,3 school 245:17 269:6 270:8,12 27:12,14,16,20 293:7,8,17,22 294:6 Schrodinger 18:18 272:15 273:20 274:3 role 40:16 82:16,18 294:16,21 295:1,6,8 science 245:7 246:1 279:4 282:7 284:17 234:17 253:11 263:9 296:8.21 297:12 248:17 253:16 285:7 287:9 288:3 roots 247:22 298:12 scientific 254:17 section 49:1 94:13,16 **roughly** 186:10 **Ryan's** 173:5,10 282:12 180:14 275:13,15 routinely 250:22 scientist 250:6 276:8,18 277:13 S row 272:19 273:20 **scope** 169:8 193:19 279:8,9,10 280:13 274:3 279:15 **SA** 166:21 216:5,9,14,16 228:12 secured 8:8 rows 272:18 sacrifice 296:10 228:18,19 **Security** 219:18 **RPPGs** 100:19 sadly 228:20 **Scott** 2:7 7:14 50:18 seedlings 246:7 safeguards 46:6 **RRT** 128:18 219:19,19 **scratch** 264:12 seeing 49:2 51:14 53:7 222:19 223:7,14 safety 4:5 11:6 18:2 screen 42:18 51:14 91:7 94:4,6,7 97:3,9 224:18 225:8,11 21:17,20 24:20,20 67:1 91:4,5,7 124:19 101:10,11,11,19 226:9 130:20 143:19 145:4 102:2 110:21 111:12 27:4,5,16 28:10,12,15 rule 60:20,21 61:17 100:15 106:7 110:19 146:15 150:5 151:16 171:18 174:19 175:6 117:3.6 198:4 202:6.9 153:5 155:12 160:1 176:1 183:4 221:17 240:16 241:11 256:4 202:11 210:11 212:16 161:15 163:5 171:18 258:8 267:4 272:10,14,16,20

seek 61:3 282:14 284:2 285:6 **sister** 86:15 244:7 247:15,16 **sheets** 21:17,20 100:15 seeking 203:12 212:14 **sit** 19:1,9 56:14 258:22 262:18 290:20 212:21 106:7 240:16 278:9 **site** 27:7 46:12 53:10,12 293:16 seemingly 283:19 286:17 **sites** 249:10 **sort** 31:20 77:4 79:13 seen 195:20,20 211:18 shell 107:12 **sits** 29:2 194:16 206:10 209:8 268:9 294:9 Sheriff's 220:4 **sitting** 18:12 260:6 sound 73:13 self 235:4 **shift** 9:16 **situation** 26:13 81:7 self-authenticating **ship** 275:9 sounds 80:10 104:2 223:15 **shipment** 16:17 18:18 situations 225:9 116:22 176:2 Southern 246:9 **selling** 237:10 **shipped** 278:1 **six** 186:8,9 274:20 shipping 240:16 256:4 speak 51:2 97:13 semi-quantitative 291:9 288:16 **shop** 219:8 **size** 177:19 100:20 197:13 216:10 **skip** 114:19 118:19 send 89:3 182:7 204:6 **short** 14:15 76:16 230:1 268:14 269:8 276:13 **shorten** 297:8,21 speaking 60:5 138:22 **skipped** 130:18 sending 267:7 268:22 shortening 297:16 skipping 105:8 155:22 297:12 270:7 **should've** 202:8 296:14 **SLC** 5:14,15,17,21 **speaks** 118:5 **Senior** 6:18 **show** 12:11 14:14 15:1 **slightly** 172:13 special 40:20 41:4,7 sense 76:9 213:4 233:2 15:9 17:8 19:14,22 slow 247:17 44:19 45:1,3,5,21 296:4 20:7 23:19 31:6 94:20 **slowly** 42:10 50:17 51:22 54:13 sent 66:16,18 91:10 169:17 174:1,2 **sludge** 252:8 57:8 64:17 69:7 71:17 204:3 253:13 261:2,3 176:10 200:2 217:1 **small** 25:6 42:18 67:2 71:20 76:14 79:19 **separate** 203:1 214:20 243:3 smckay@nbmlaw.com 82:19 84:9,14,22 232:5 259:12 261:9 **showed** 30:6 283:12 2:9 113:4 127:2 132:16 **showing** 29:1 95:9 Society 254:6 154:14 166:22 172:7 separated 257:21 **September** 17:8 26:5 176:8 179:17 **software** 283:2,3,5 178:9 182:22 183:13 **shown** 106:11 107:12 184:10 185:2,6,12,17 172:9,12 215:12,20 **soil** 19:6 247:5,5,21 217:15 **shows** 288:3 194:20 215:5 217:9 249:15 sequestered 285:1 **shy** 34:6 soils 18:5,8 247:8,20 218:6 224:17 231:6 side 35:13 58:18 107:5 Sergeant 17:2 251:13 233:13 234:18 235:17 224:16 233:7 260:18 **solemnly** 239:16 **serial** 79:14 236:3.19 solicit 237:6 **seriously** 28:12,15 **sides** 33:16,19 76:3 speciation 249:2 seriousness 21:4 99:16 208:17 **solid** 12:16 278:15,16 sign 11:22 16:3 17:6,21 solids 273:1 **species** 246:9 274:12 **serve** 21:4 **serves** 253:15 18:14 19:2 21:1 solution 180:10 182:1 274:12,16 278:7,13 **Service** 246:16 279:20 **signature** 63:16 69:13 208:4 265:15 283:6 280:4 Services 18:8 signed 117:12 284:14 **specific** 13:11 48:12,19 **SES** 21:10 signing 73:12,14 solutions 283:4 53:3 64:14 74:5 81:18 set 7:8 169:18 200:2 **signs** 16:3 26:20 solved 243:15 99:20 115:14 119:17 setting 8:9 similar 286:21 somebody 47:13 53:19 123:5 130:5 131:3 seven 172:15 230:6 similarly 17:1 69:12 82:7 173:12 146:20 168:1 178:4 **shake** 172:16 **Simmons** 3:18 138:6 224:18 234:3 237:7 215:12 224:20 225:4 **share** 67:10 86:21 **simple** 12:2 283:5 someplace 27:13 229:10 254:17 282:11 90:14 96:18 97:6,15 simplifies 268:3,4 soon 45:2 **specifically** 41:3 83:18 176:16 205:6 206:19 simply 9:21 20:9,22 sooner 61:1 86:19 87:3,15 104:21 256:16,21,22 257:7 76:18 99:19 177:22 **sorry** 13:16 14:9 15:22 125:4.9 shared 59:8 67:1 93:4 210:12 232:13 20:10 37:13,19 43:7 spectrometer 249:17 Spectroscopy 247:11 95:6 96:2,9,14 97:10 Simultaneous 138:22 43:21 50:3 52:9 55:12 97:16,18 98:1 102:19 155:22 60:22 66:7,11 70:8,10 speculate 224:2 102:20 115:2 203:3 single 268:10 86:6 88:10 89:1,15,16 speculation 223:3,22 **shares** 177:3 **Singleton** 3:10 32:4 92:14 93:1 105:5,15 236:8 **sharing** 177:18 36:12 49:2 56:5,8,9 107:19 115:22 118:19 **speed** 230:5 **shed** 199:1,4 56:12,17 127:18 140:9 142:7 spend 197:20 **sheet** 4:5 110:20 sir 52:2,19 94:14 149:8 163:22 165:8 **spill** 16:7,10 241:11 256:4 272:10 178:10,21 183:15 170:15 172:18 174:8 **spite** 16:17 272:14,16,20 273:2.5 222:18 271:20 275:2 175:21 182:11 185:15 **split** 257:15 273:7 279:6,11 283:1 294:19 211:8 215:22 235:12 spoke 73:16

II.			321
	l		
spoken 190:5	133:21 144:2 246:15	128:17 130:6 136:14	45:8,8,10,13 233:20
sponte 212:13	253:10 272:20	138:3,4 140:2,2	234:1
spot 181:17	stating 145:11	142:15,17 144:2	supplant 263:19
Sprag 32:3	station 274:3	145:10 146:21 148:16	supplied 90:1 214:1
Sprague 36:12	statute 32:8,11	151:22 153:9 155:17	supply 199:18 201:9
Springfield 1:2 6:12	statutory 12:7 13:18	157:8 158:18 160:5	232:6
28:1,2,3,4,6 29:22	14:7	161:21 163:12 164:21	support 14:11 246:8
stack 112:7	stay 221:20 279:3 298:8	166:9 168:2 201:1	249:13
staff 241:1,7,14,16	stayed 101:14	202:8 223:1 224:18	supporting 82:19
242:3 255:21,22	staying 271:6	237:17	suppose 204:12 212:13
272:12 287:8,11	step 21:7 218:20	submission 208:7	supposed 267:13
288:1,5,8,11,22	270:22 282:16	submissions 76:17	surface 216:15 285:15
stage 183:5 197:3	steps 23:8 267:22	submit 45:7 192:21	surmise 225:20
stained 18:4	291:16	193:1 194:18 199:5	surprised 203:22
stake 81:5	Steve 4:3 11:4 36:9,11	207:18 234:21 257:17	surrounded 28:20
stamped 95:10 202:22	145:11	submittal 69:17 95:22	surrounding 247:22
stand 56:7 61:22	Steven 4:8 132:19	102:8	suspect 106:17
130:21 138:3 170:14	155:18 156:8	submitted 58:7,10 59:3	sustain 192:10 223:10
178:21 208:20 219:20	Stewart 4:10 160:6	65:15 66:6 77:11 95:7	Sustained 88:8
220:3 239:14 271:14	stick 9:8 259:11	98:21 101:22 104:8	sustaining 196:3
298:1,5	stipulate 10:18	108:19 109:3,19	swear 239:16
standard 56:22	stipulated 4:17 10:4	111:21,21 112:4	sworn 39:18,21 58:10
standards 190:20	32:20 33:17 100:18	202:17 231:10 262:22	63:6 117:12 239:20
195:22 282:8	106:6 111:4 114:20	276:11,12	synchrotron 249:2
standing 76:19 116:12	150:3	submitting 109:9	synopsis 49:1 53:5
116:16 118:2	stipulation 218:3	subsequent 23:21	70:16 121:13 183:19
standpoint 225:20	stop 52:11 219:8 259:6	276:16	194:1 196:12 197:1
stands 87:12 279:19	storage 13:9 17:18	subsequently 18:6	204:20
start 8:5 22:17 35:17	18:21 19:15 25:14,15	subset 210:4	system 16:17 26:12
130:17 187:9 192:3	275:11	substantial 20:20 207:4	45:6,19 46:1,3,6,8,10
224:13 295:22 296:4	store 29:2	substantively 231:13	46:14,17,19,21 47:2,5
started 6:14 10:16	stored 12:5 13:5,13	substitute 61:4 231:9	60:18 62:21 84:17
11:15 36:19 38:14	20:16 25:20 27:22	263:16	87:1 203:2,6 217:20
184:10 296:19	60:15,17 86:22	successfully 182:21	219:9 221:8
starting 110:19 226:21	240:21	suffer 201:19	
286:12,14	straight 271:17,19	sufficient 232:22	T
starts 222:16	straining 42:21	259:15	table 69:22 71:3 72:15
state 5:4 17:3,4 26:9	stream 13:16	suggest 98:22 171:15	197:19 272:8,12
40:3 48:7 73:5 86:16	Street 2:14	280:2	279:14,18 286:20,21
132:20 207:4 219:1,6	strict 23:7 32:8	suggesting 100:2	287:4,5,9,21 288:6
219:7,9 220:8 227:20	strike 107:17 221:5	194:21	291:13,17
228:7 239:22 240:2	strontium 16:11 273:3	suggestion 78:11	tailings 251:13
245:13,21 246:20	273:8 278:11 279:15	suggests 68:12 85:2	taken 27:13 44:21
249:6 272:18 274:14	282:20 283:11 284:20	summaries 59:14,15	46:18 291:16
stated 114:5 116:13	285:11 286:5,15	60:4,6,8 202:13	taker 228:20
122:13 129:13 206:14	292:20	206:11 210:12 212:8	takes 23:8
235:2	structure 13:8	212:10 213:2,12	talk 30:21 53:5 82:21
statement 3:2 11:17	stuck 42:21	summarizing 3:14	103:10 134:3 214:19
48:8 56:8 71:10 72:16	studies 252:14,14	125:9 131:16	talked 234:22 256:20
81:20 132:7 172:19	study 281:13,20	summary 188:20	264:17
173:11 186:20 190:8	stuff 7:8 178:11 259:9	189:17,20 190:1	talking 10:14 27:16
193:3 221:2	sua 212:13	198:7 204:17 209:17	37:11 44:14 54:1,7
statements 55:15 56:4	subject 58:2 74:2 75:13	summer 201:13	60:5 62:18 65:15
113:9,15 173:5 190:3	76:8 79:6 92:10	super 203:15	67:12,13 70:10 71:11
204:19	115:16 119:19 121:19	superfund 249:10	78:8 104:9 190:20
states 40:9 41:9 66:14	125:5,6 126:22	supervisor 17:3 18:2	191:13 193:18,19,21

П			322
194:3,4,6,7,8 197:2	test 250:18 251:1,8,15	thousands 27:11 28:13	tow 27:9
205:17,18,19 208:17	281:19	threat 20:13	towing 16:21 145:12
213:1	tested 242:3 273:2	three 18:10 19:7 80:10	toxic 18:11
talks 63:18	274:2 287:19 288:5		
		186:11 274:17 282:4	toxicity 20:13,19
tarped 29:10,11	289:16	284:4,9 293:7	241:22 242:5 250:20
tarps 29:7,20 30:2,5	testified 39:19 52:22	tight 297:14	251:1 252:8 255:16
tasks 281:8	88:17 117:11,13	Tim 3:17 4:4 135:2	274:21 291:6,11
TCLP 251:2,3 256:10	216:5,21	148:17	292:16 293:2
256:12 273:13,15,17	testifies 259:20	timely 211:22	toxicologist 20:7
273:22 274:7,22	testify 20:12 24:20,21	times 19:7 24:3 82:22	toxicology 25:18
281:10,19 283:11,15	70:19 216:17 231:12	154:21 283:14 290:11	track 9:7 10:10 34:11
284:13 285:11,14,17	testifying 78:19,21	timing 297:4	62:16 81:11 228:17
286:6 287:12,14,15	167:1 180:9 242:9	tiny 42:16 282:21	tracked 202:22
288:20 289:8,10,14	testimonial 76:2	tissues 251:14	tracking 275:19,21
289:16,18,21,22	testimony 14:16 20:6	titanium 285:8	276:3,4 277:7
290:1,4,14 291:2,4,14	25:22 26:1 27:18	title 40:14,20 47:11,12	tractor 222:17
291:21 292:12	28:19 32:3,14 51:4	47:15 48:5,12 54:19	trade 107:4
team 128:19 219:21,22	54:22 57:2 63:20	62:18 84:18 92:9	trailer 3:10 5:19 13:7
220:2 222:14,22	72:21 87:22 116:21	115:14 119:18 121:11	17:14 26:18 27:21
223:7 227:6,9 242:10	117:1 118:5 119:10	123:7 125:4 126:21	28:7 29:2,12 30:1,5
255:10,11 293:10,12	132:17 133:9 180:20	128:17 130:6 131:4	30:16 49:12 56:9
293:12,13	188:12 216:7,9 224:1	135:4 136:13 138:2	172:9 215:10 240:14
Teams 175:19 176:14	235:11 239:16 240:8	140:1 142:14 144:1	240:14,18,18
176:17 177:17 181:15	241:13 254:21 259:15	145:10 146:21 148:15	trails 46:16
182:5,21 tease 260:1	259:18 263:14 266:17	150:11 151:21 153:9	trained 12:13 237:4,8 247:4
III	267:14 270:20 278:5	155:16 157:7 158:18	training 291:19
tech 99:3 246:19 technical 170:11	293:9 295:17 296:2	160:5 161:20 163:12 164:20 166:8 168:2	_
III	testing 253:7 tests 245:14	240:2 250:1,3,10	transcript 4:4,10 148:17 149:8,10
243:15,17 254:18 263:18	text 181:4,7	titled 3:9 96:8 219:2	161:21 260:12 262:4
Technically 46:7	thankfully 111:8	today 8:22 25:3 31:14	transferred 66:19
technique 237:8 249:3	thanking 22:17	63:21 72:21 87:22	transmission 96:21
technology 102:18	thermostat 33:4	108:17 117:22 133:9	transmitted 79:1
103:6 176:20	thesis 246:13	167:1 172:8 173:12	106:15
telephone 154:15 156:2	things 8:22 10:19 18:21	184:22 188:12 191:8	transparent 59:7
telephonic 156:7	37:4 57:19 71:11 79:6	191:22 201:15 228:12	195:18 203:15
telephonically 50:22	97:5 100:7 102:18	234:21 235:11 238:14	transpired 204:14
tell 20:12 35:18 43:16	103:8 112:7 181:8	240:8 242:9 256:17	210:11
48:21 79:10 112:2	186:5 188:21 192:3	257:22 266:17 296:19	transport 12:22 16:22
141:11 178:13,19	194:5 195:6 196:10	297:15 298:5	transportation 25:15
187:10 189:4,19	200:19 208:14 212:21	today's 73:9 173:3	113:11,13
204:2 218:13,19	224:3 225:21 233:8	told 29:15 30:10 72:5	transported 12:4,16
219:5 221:18 229:1	235:22 249:7 253:12	97:6 192:20 197:9	240:19 241:4
237:2 240:11 246:17	268:3,4 297:15,16	211:15 236:4	traveled 13:12
279:9 282:17,21	298:7	tomorrow 297:5,7,17	treating 261:20
ten 89:17 169:20	third 15:4 17:21 63:19	298:1,6	treatment 275:11
170:21 172:20 189:12	189:15 272:16,19	top 13:7 28:21 47:8,22	tree 246:7 247:22
239:1	279:15,18 282:11	49:17 52:13 63:11	trial 75:18
ten- 89:13	285:4 288:20	92:20 120:5 198:4	Tribett 42:4 43:5 63:8
tendency 75:15	third- 16:19	220:17 265:18 275:17	66:9,11,13,13,16 89:3
tender 255:4	Thomas 4:11 163:13	279:3 287:8 288:6	89:12 90:19 91:10
term 94:8	thought 21:13 37:19,20	291:8	97:21 98:1,5 110:11
Terminal 5:14,16,17	65:1 77:12 192:12	topics 189:22	116:1 120:3,21
terms 58:3 78:4,9 96:16	212:15,22 229:21	total 275:2	122:19 123:17 124:16
191:12 192:15 193:2	256:11,11 259:7	touch 29:16 30:2	125:18 126:13 128:8
197:13 232:16 260:9	262:22 268:9 290:21	touched 87:16,20	129:1,19 130:11,14

266:1 294:4 valent 274:13 131:14 135:12 136:4 understand 8:20 9:10 137:1 138:17 140:13 truly 230:22 232:7 56:22 58:1 60:20 valid 292:1 value 290:8,16,18 292:4 145:20 148:6 149:4,6 263:16 267:12 61:16 64:13 74:20 292:6,7,7,8 293:2 150:21 151:14 152:10 trust 173:22 174:2 76:15 80:14 81:6,8 153:20 157:17 158:11 235:1 94:10,20 108:18 values 274:5 288:22 159:6 160:14 161:12 truth 234:20 239:17 109:6 110:22 118:8 289:1 290:6 291:22 162:8 163:2 165:8.22 124:9 197:8 200:12 **try** 8:5 24:6,6,7 28:10 vantage 42:11 210:6 166:19 167:15 174:16 36:16 78:5,6 86:10 208:12,19 213:13 variability 292:5 174:20 175:1,5,9,12 225:21 232:1 237:5 201:2 230:5 297:8 variance 101:16 175:14,18 176:16 255:1 282:7 283:19 trying 31:18,19 59:17 variation 80:9 177:4.9.12 178:12 68:8.8 100:21 112:2 286:7 294:16 variety 241:17 247:2 179:22 182:6 197:16 181:18 233:6 270:5 understandable 82:13 249:7 251:12 274:11 244:8 **TSA** 220:20,21 understanding 67:15 various 3:12 216:20 tribunal 21:3 44:2 50:1 Tuesday 200:2 Vaughn 4:7 5:12 153:10 67:17 70:11 77:22 64:6 65:3 96:18 116:7 turn 54:11 55:20 57:20 87:2,8 185:11 193:19 vending 8:21 120:10 122:9 124:1 88:14 93:19.22 202:19,21 210:10 verbatim 188:19 190:2 213:9 215:18 217:13 179:18 187:8 190:16 version 96:3 97:14 99:4 126:3 128:1 129:10 131:21 135:18 137:7 192:22 201:19,22 223:17 253:15 99:5,5 101:9 104:2 139:7 140:20 143:7 218:13,17 221:4 understood 60:3 114:7 107:13,22 277:1 144:14 146:4 147:12 226:14 227:17 242:16 212:22 217:22 230:8 versus 194:1 202:4 149:13 151:5 152:16 232:13 245:2 268:12 285:19 Vicente 113:7 154:4 156:15 158:2 turned 12:18 187:3,5,6 unfortunately 183:2 159:12 160:20 162:14 188:7 193:5,15 281:3 **video** 59:4 164:5 165:14 167:6 194:12 207:17 unintelligible 101:6 view 59:12 74:22 168:14 254:22 256:19 turning 34:15 281:7 107:7 179:20 **Union** 252:22 tried 31:16 191:15 turns 29:11 viewing 177:13 **VIII** 2:11 202:4 **two** 6:16 27:1,2 38:1 unique 47:7,17 triggers 208:6 59:4,5 66:5 72:22 United 40:9 41:9 66:14 violated 23:9 133:21 246:15 253:9 violation 13:19 14:1 **triple** 113:8 73:2,16 105:16 179:9 trivalent 274:15 277:18 186:11 195:22 208:17 universal 4:5 241:11 24.12 224:3 248:5,13 269:6 violations 15:10,13,19 278:2,4 280:3 279:6 272:18 278:10 279:21 University 245:21 **Trooper** 73:6 82:3 20:2 21:4 23:20,21 132:21 285:5 293:7 246:21 24:15 25:9 trouble 263:15 two-part 19:20 unmanaged 19:1,10 Virginia 246:18,19,20 truck 27:13 73:4 131:5 two-thirds 187:18 unnecessary 116:21 virtual 7:8 35:22 92:4 132:19 155:18 187:15 **type** 9:13 24:17 80:16 unredacted 79:22 216:8 trucker 27:10,12 types 114:14 251:10 unreliable 75:16 visible 177:10 truckers 27:9 typically 44:18 232:15 untarped 29:13 visit 52:20 53:12,13 trucking 11:22 22:20 251:19 untouched 29:19 55:10,17 23:4 158:20 166:11 typo 151:22 **update** 103:8 263:2 visiting 8:17 trucks 27:11 28:13 upgrading 47:1 visitors 20:15 U true 43:14 49:19 64:3 **upload** 206:19 visits 52:21 53:1 70:20 71:9 72:16 **U.S** 1:2 37:1 115:18 urethane 4:5 241:12 vitae 242:18 92:21 93:3,3 115:22 140:4 279:6 Volume 1:9 116:3 120:6 122:5 ultimately 98:21 260:10 use 22:8 42:1 46:11 vote 253:19 123:19 125:21 127:11 262:5 59:15 75:5 99:6 101:8 **VPN** 182:10 127:21 129:7 131:17 UN 16:13 198:7 207:9 249:2 W 135:14 137:3 139:3 **UN1993** 277:17 286:12 292:3,4 **WA** 2:4 140:15 143:4 144:11 **unable** 186:16 296:17 145:22 147:9 149:7,9 **unaware** 103:3 useful 98:14 285:22 wade 206:9 151:1 152:12 153:22 uncertainty 292:8 286:2 wait 117:3 171:15 154:21 156:12 157:20 unchanged 258:1 **Utah** 147:1 240:20 waiting 82:4 259:22 159:8 160:16 161:1 uncomfortable 224:14 walk 58:20 78:13 79:4 162:10 164:1 165:10 undercover 237:10 270:22 287:3 167:2 168:11 209:2 vacation 200:14 207:13 walked 288:8 underlying 205:19 222:11 230:2 244:4 206:13 vaccine 23:5 Walker 5:20,22 25:17

	ı	1	1
30:20 36:14	week 96:10,11,12 97:19	249:11,21 250:14,16	0007 6:11
Walker's 26:1 30:20	108:19 112:5 207:11	251:11,15 252:15	015158774 JJK 275:22
wanted 28:8 33:5 37:14	215:14,16 238:8,10	254:7,13,16 262:9	276:4 277:8
47:13 59:1,20 64:9	257:11,21 263:6	278:15,16 294:17,20	04-14-16 157:8
70:18 79:6 100:3	weeks 17:20 18:10	worked 40:15 121:22	06 274:2,3
117:3,18,20 169:5	weight 75:14 76:1,6	203:4	0630 227:14,14
195:4 198:3,11	114:13,15 117:19	working 100:6 293:17	
200:13 201:2,4	welcome 11:12 271:14	works 91:21 296:20	11
204:10 212:20 237:6	went 84:17 90:10	world 92:4 205:18	1.2 273:1
260:1 267:9 276:12	170:18 182:18 184:4	224:15 253:4,13,17	1.5 289:17
286:3,6 290:13,18	239:6 241:7 245:6	worry 264:8	1:00 170:10
291:19	249:14 270:16 281:15	worth 24:2 32:15	1:07 170:19
warm 32:21	292:1 298:15	would've 195:20	1:21 182:18
warning 26:20	weren't 71:21 229:13	wouldn't 197:2 214:10	1:27 182:18
warnings 17:2 46:12	257:16 259:19	257:18	10 3:10 5:11 49:7 51:2
warrant 15:5	whatever's 106:10	wrap 9:7,20 296:18	55:5 69:19 75:4 90:5
Warren 240:1	whichever 91:6	298:2	90:5 120:15 147:16
Washington 207:4	White 18:2 227:1,14	wrapped 284:21	203:4 224:12,14
wasn't 27:16 53:9 72:2	Wi-Fi 89:8	wrapping 8:13	227:17 238:22 254:9
96:20 99:10 113:18	wide 251:12	Wright 6:18	278:22 290:11
173:13 186:9 193:4	widely 254:18	wrinkles 209:15	10:20 90:5
197:6 201:1 203:10	widespread 103:11	write 251:21	1001-0101 47:18
230:20	wifi 270:5	writings 198:8	1003 48:11
waste 3:11 12:4,12,16	William 36:12	written 254:7	1003-0101 48:10
12:17,19 13:1,2,6,12	willing 59:18 183:4,7	wrong 23:15 26:16 31:7	1006 198:7 202:11,13
13:13 14:18,19 17:17	186:4 191:18	32:7 71:1	212:16
17:22 18:11,22 19:9	wire 28:21	wrongly 31:3	101 48:11
19:15 20:14,17,19	wise 10:15	wrote 72:6 113:19	101,439 13:18
23:1 24:16 25:2 26:21	wish 9:19,20 34:20 38:7	Wynkoop 2:14	105 95:11 105:1,7
99:15 241:6,22 242:4	61:15 62:3 79:10,11	X	11 5:12
242:6,14 250:19	80:5 185:13,18		11:07 90:10
252:7 255:16 275:9	197:20 198:4 199:9	x-ray 249:17 251:7	11:23 90:11
276:13,14 277:18	210:5	XRF 12:14 249:17 287:9	114 3:8
278:7 291:10	wished 183:6	288:3,4,9,9 289:11,11	115 3:9
watching 181:16	wishes 80:4 112:19	291:1	118 3:9
water 245:14 294:3 waters 251:7	198:21 207:12	Υ	12 3:11 5:13 12:13
 	withdraw 88:9,12		83:13 93:20,20
way 8:15 10:8 31:4,4 33:15 36:17 49:16	Withrop 2:4 witness's 118:5	year 24:11,22	141:11,16,21 242:12
52:10 63:10 88:11	witnessed 63:16	years 24:9 31:12 40:18	255:13 256:3,12
89:6,18 101:15 106:3	witnesses 35:14 103:16	46:4 59:4,6 172:15,20 224:12,14 230:6	273:12 275:5 281:10 287:22 291:13 292:13
108:12 123:18 132:2	113:21 181:9 235:19	231:18	292:15,22 293:3,11
175:7 178:2 179:2,3,9	236:1	yellow 4:5 18:4 19:6	295:5
187:18 192:13 201:11	wondering 169:20	241:12,13 255:14	12,000 289:12
202:9 207:10 211:22	wonky 288:18	256:3 272:10,19	12:48 170:18
212:11 213:18 218:12	wooden 284:11	273:5 278:1 279:6	120 3:12,12
223:11 231:19 243:7	word 217:18,21	284:5 287:7 290:11	120 3:12,12 122 3:12,12
253:3 263:11 283:4	words 94:6,15 95:12	292:15	123 3:13
289:2,17 290:12	97:3 190:5		124 3:13
296:15	work 40:9,11 69:8	Z	125 3:14
ways 116:21	78:12 79:3 171:7	zero 274:13	126 3:14
Weather 5:21	181:15 184:6 228:12		1263 16:14
website 37:20	233:18 240:3,4	0	127 3:15
websites 36:22 38:6	242:16 245:10 246:4	0.29 290:4,17,22	128 3:15,16
Wednesday 297:16	246:5,8,11 247:1,7,18	0.31 289:14,16	129 3:16
298:2	248:1,6,15,20 249:1,8	0.42 290:8	13 4:17 5:14 35:9 64:18
Ш			

II			•
67:10 14 20 105:1 7	19 3:15 5:21 35:11	29 4:2 145:14 146:12	43 4:16,18
67:10,14,20 105:1,7	97:12 127:5 128:7		
131 3:17		274:4 287:17	44 4:16,18 272:21
1311 251:1	203:19	2nd 30:7 55:22	44.44 272:20
134 3:17	1998 245:8		45 4:19
135 3:17	1st 12:20 17:19 55:11	3	46 4:19 291:3
136 3:17,18	55:17	3 5:4 16:15 25:5 189:4	47 4:19 35:9
137 3:18		218:3,5 258:8,9 276:2	49 3:10 4:19 35:9
138 3:18	2	277:19 279:8,9,10	
139 3:18	2 4:17 5:4 25:3 35:9	280:13 281:22 287:20	5
13th 17:9,13	55:21 56:1 64:19	289:3,22 291:2	5 5:6 286:21 293:2
14 3:12 5:15 40:18 46:4	227:15 273:16 275:5	3/31/16 4:13 166:9	5:00 8:11,15
105:17 120:1,20	277:21	3:00-ish 239:3	50 4:19 24:9 35:9
224:17	2,000 283:13	3:06 239:6	50- 24:21
140 3:19	2:51 239:6	3:40 221:21 270:16	509-557-5447 2:5
141 3:19	20 3:16 5:22 12:11,17	3:41 270:16	52 4:6 150:15 151:13
142 3:19	13:6 128:21 129:18	30 4:3 147:3 148:5	178:18 183:14
143 3:19	191:10 241:9 252:11	300 13:2,9 29:3	53 4:6 152:4 153:2
144 3:21	287:6	3006 2:4	531 104:10
145 3:21 4:2	2003 37:11	303-312-6312 2:15	54 4:7 153:14 155:9
145 3.21 4.2 146 4:2	2003 37.11 2007 246:2	30th 17:8	55 4:8 155:20 156:22
		31 4:4 148:20 149:21	
147 4:3	2008 40:18 2009 246:19 251:12	278:19	167:16 55- 241:4
148 4:3,4			
149 4:4	2013 249:22	315 110:14,19	56 4:9 157:11 158:10
15 4:17 5:17 35:9 93:22	2015 17:13 18:1,15 19:4		57 4:9 158:22 159:20
101:4 105:9,12,19	25:4 26:6 172:10,12	35:9 56:9 110:2,8,10	58 4:10 160:8 161:11
107:10,13 121:3	173:15,19 184:2,7	110:18 111:4 241:3,4	59 4:10 162:2 163:1
174:3	215:20 217:15	241:5,8 275:10	597 110:9
150 4:6	2016 12:20 55:11 83:12	278:19,21 280:8,11	
151 4:6	83:12,18 85:1,3,7,21	280:19 287:20 289:3	6
152 4:6	2022 1:12 6:13	289:22	6 4:17 5:7 35:9,11
153 4:6,7	208-343-1000 2:9	33 4:17 280:12,13,14,17	278:13 287:17 289:12
155 4:7,8	21 130:15	280:19	6/28/16 4:4 148:17
157 4:8,9	21st 18:1	34 4:17	6:25 226:19,21
158 4:9	22 3:17 107:9 130:14	35 4:17 5:3,7,21	60 4:11 163:16 164:13
159 4:9,9	131:8 134:17 187:9	350 274:6 289:2	203:7
1595 2:14	187:11,13 191:5,22	36 4:17 58:12	61 4:12 165:2,21
16 3:12 5:18 35:11 94:2	195:7,18 290:10,11	36.8 289:13	62 4:13 166:13 167:14
94:12 95:11 121:3	290:15 292:1	37 4:17 274:6 289:1	63 4:15
122:2,18 276:2	22A 107:9	38 4:18	630,402 32:16
16,000 291:2	23 3:17 135:6 136:3	39 4:18	631,000 14:9
160 4:10	189:4,7,9	33 7.10	631,402 14:9 24:2
161 4:10	23rd 19:4	4	,
III			64 4:19 35:10
162 4:10	24 1:12 3:18 31:12	4 5:5 54:12,12 94:13	65 4:14 167:16 168:5,22
163 4:10,11	136:17 137:15	128:19 219:18,19,19	230:6
164 4:11	24th 6:13 147:19	222:19,22 223:7,14	67 4:20 35:10
165 4:12,12	294:11	225:8,11 227:6,9	
166 4:13	25 3:18 138:8 139:16	275:22 286:20	7
167 4:13	273:8 296:17	4/14/16 4:12 164:22	7 3:8 5:8 90:22 93:21
168 4:14	25th 18:15	4/27/16 3:19 142:16	98:17 105:1 110:5
169 4:14	26 3:19 140:6 141:8	4:00 26:11	113:1 114:11 218:4
17 3:13 5:19 123:11	142:6	4:03 222:13,16	218:13,17,18,21,22
124:15 199:18	27 3:19 142:19 143:16	4:20 295:19 298:15	219:13 222:20 229:8
18 3:14 5:20 97:12	215:20 217:15	40 4:18	273:8
125:12 126:11 173:19	2772 2:8	400 283:14	7.4 273:9
184:1,4 252:2	27th 26:5	41 4:18	7/19/16 4:10 161:21
18.5 19:7	28 3:21 144:5 145:1	42 4:18	7:30 8:7
II	•	•	'

n			520
	I	1	
74 4:15 101:4 105:9,13			
105:20			
75 3:10 4:15 22:21			
244:13,19 257:15			
258:1 264:6 265:17			
266:6			
76 4:15 50:2 64:1 67:14			
74:2,13			
77 4:16 42:9 43:10			
44:11 244:18			
78 242:22 244:15,16,20			
262:14			
8			
8 2:14 4:17 5:9 6:9 7:4			
34:18 35:9,17 87:9			
109:13 186:13 187:3			
187:22 188:7 191:10			
195:10 202:16 203:18			
220:13,14 221:20			
280:17			
8:00 1:16 297:1,5 298:6			
8:30 8:5 296:19			
8:37 6:14			
80202-1129 2:15			
8036 117:7			
83701 2:8			
84 173:1			
04 17 3.1			
9			
9 3:9 5:10 115:9 118:16			
221:4 226:14,16			
9:35 6:2			
90 3:8			
90211 117:9			
98862 2:4			
9A 275:14 276:8 277:13			
9B 276:18			
35 27 0. 10			
I	1	ı	'