

TOWN OF BOURNE BOARD OF HEALTH

24 Perry Avenue Buzzards Bay, MA 02532

www.townofbourne.com/health Phone (508) 759-0600 ext. 1513 Fax (508) 759-0679



Remote Meeting & Hearing MINUTES

February 2, 2022

Meeting was called to order at 04:12pm

Mr. Andrews stated that the Hearing was being recorded and televised by Bourne Community TV. Registered Professional Reporter, Janet Wynne, CSR No. 131793 from Beacon Court Reporting Services acknowledged that she was recording. Proceedings transcribed by Janet Wynne of Beacon Court Reporting Services as attached as Exhibit B.

- 1. Attendance.
- 2. Town of Bourne Department of Integrated Solid Waste Management (ISWM) -- 201 MacArthur Boulevard (Route 28), Bourne—Public hearing to consider proposed application for major modification of the existing Board of Health site assignment to allow the vertical and horizontal expansion of the Bourne landfill pursuant to M.G.L. c. 111, §§ 150A 150A ½, and 310 CMR 16.00: Site Assignment Regulations for Solid Waste Facilities. [The original, published, public notice for this proceeding is attached to this agenda] Please see attached Public Notice labeled as Exhibit A.
- 3. Introduction to Hearing Officer.
- 4. Confirm February 16, 2022 as date for continued hearing. Vote to adjourn and continue to February 16, 2022.



Public Notice

Town of Bourne Board of Health Town Hall, 24 Perry Avenue, Buzzards Bay, MA 02532

In accordance with Massachusetts General Laws, Chapter 111, Sections 150A and 150A 1/2 and the regulations promulgated thereunder, 310 CMR 16.00 "Site Assignment Regulations for Solid Waste Facilities," an application for major modification of a site assignment has been filed with the Bourne Board of Health for the modification of a site assignment of two parcels of land for solid waste landfilling. The parcels are located at 201 MacArthur Boulevard (Route 28), Bourne, Massachusetts and are the locations of the current Bourne Sanitary Landfill and Waste Handling Facilities. The Applicant is the Bourne Department of Integrated Solid Waste Management (ISWM), 201 MacArthur Boulevard (Route 28), Bourne, Massachusetts.

The Bourne Board of Health has scheduled a public hearing to consider the profitsed major modification of the existing site assignment to allow the vertical and horizontal expansion of the landfill. The public hearing has been scheduled for February 2, 2022 at 4:00 p.m. and will be conducted exclusively through a virtual public hearing format. The video conference zoom hearing can be accessed by the zoom link contained on the Board of Health Website.

The area under consideration encompasses approximately 99-acres, which consists of a 74-acre parcel that is currently site assigned for landfilling and a 25-acre parcel that is currently site assigned for solid waste handling. The waste acceptance rate shall remain as it exists for the current landfill and solid waste handling operations with a maximum permitted waste acceptance rate of 825 tons per day.

The Massachusetts Department of Environmental Protection has issued a Site Suitability Report in which it has determined that the above-described place is suitable for the proposed expansion of solid waste landfilling operations. The Department's Report, the Application for Site Assignment and other relevant documents are available for review on the ISWM web page at https://www.townofbourne.com/integrated-solid-waste-management/pages/landfill-expansion-permitting-documents. The Bourne Board of Health shall receive comments on the proposed site assignment modification application for 14 days from the date of the publication of this public notice. All comments regarding the modification application for this site should be mailed to the Board's address above and by electronic mail address at: health@townofbourne.com received no later than 5 p.m. on January 26, 2022.

The Board of Health requests that any party seeking to intervene or participate in the public hearing pursuant to 310 CMR 16.20(9) submit to the Bourne Board of Health a written petition for leave to intervene or participate by electronic mail to: health@townofbourne.com or by mail at the address listed above for receipt no later than January 26, 2022 at 5:00 p.m. Copies of the site suitability criteria (310 CMR 16.00) are available at https://www.mass.gov/doc/310-cmr-1600-site-assignment-for-solid-waste-facilities/download.

Bourne Board of Health

In The Matter Of:

Bourne Board of Health Public Hearing Before Hearing Officer John F. Shea

> Remote Public Hearing Vol. I February 2, 2022

Beacon Court Reporting Services 100 Independence Drive, Suite 7 Hyannis, Massachusetts 02601 www.beaconcourtreporting.com (774) 678-4255

Original File 2022-0202_Bourne.txt
Min-U-Script® with Word Index

			Page 3
	COMMONWEALTH OF MASSACHUSETTS	1	REMOTE APPEARANCES, continued
	TOWN OF BOURNE BOARD OF HEALTH	_	ALSO PRESENT: Terri Guarino, R.S., C.H.O, Health Agent
	********	3	Raition Shea, Realth Inspector
			Philip A. Goddald, ISMM
	IN RE:	5	Ken Ryan, SITEC Mike Quatromani, SITEC
	BOURNE BOARD OF HEALTH PUBLIC HEARING TO CONSIDER PROPOSED MAJOR	6	Mike Quatromail, Source Community TV Jennifer McGrail, Bourne Community TV MacKenzie Ryan, Bourne Enterprise
	MODIFICATION OF THE EXISTING SITE		Richard Jordan Kim Hazarvatian
,	HORIZONTAL EXPANSION OF THE HANDFILL		Glenn Cannon
3	*************************	١ .	Kirstie Pecci, CLF Steve Zemba
)		9	Thomas Yeransian Amy Ball
)	TOWN OF BOURNE BOARD OF HEALTH	10	MJ Mastrangelo Steven McNally
Ĺ	REMOTE PUBLIC HEARING	11	Patricia Taylor Chris Powicki
	BEFORE HEARING OFFICER JOHN F. SHEA	12	CHIS FOWLERS
2	(conducted exclusively through remote	13	
3	participation	14	
1	Recorded and Televised by Bourne Community TV	15	
5	February 2, 2022, 4:12 p.m.	16	
6	First Day		
7	Pages 1 - 161	17	
8	Eager &	18	
9		19	
0	reported by: Janet L. Wynne, CSR No. 131793	20	
1	Registered Professional Reporter	21	
	Beacon Court Reporting Services	22	
2	100 Independence Drive, Suite /	23	
3	Hyannis, Massachusetts 02601 www.beaconcourtreporting.com	24	
4			
	Page 2		Page
4	ADDEADANCES.	1	
1	COLUMN TO A LANGUAGE AND A PARTY OF THE PART	1 -	PROCEEDINGS
	REMOTE APPEARANCES:	1	PROCEEDINGS
2	BOARD MEMBERS: Stanley Andrews, Chairman	2	FEBRUARY 2, 2022, BOURNE BOARD OF HEALTH MEETIN
3	BOARD MEMBERS: Stanley Andrews, Chairman William Meier, Clerk Donald C. Utti	2	FEBRUARY 2, 2022, BOURNE BOARD OF HEALTH MEETIN AND HEARING REPORTED REMOTELY FROM HYANNIS
	BOARD MEMBERS: Stanley Andrews, Chairman William Meier, Clerk	2	FEBRUARY 2, 2022, BOURNE BOARD OF HEALTH MEETIN AND HEARING REPORTED REMOTELY FROM HYANNIS MASSACHUSETTS, ON FEBRUARY 2, 2022, AT 4:12 P.N
3	BOARD MEMBERS: Stanley Andrews, Chairman William Meier, Clerk Donald C. Utti Barbara Princiotta	2	FEBRUARY 2, 2022, BOURNE BOARD OF HEALTH MEETIN AND HEARING REPORTED REMOTELY FROM HYANNIS MASSACHUSETTS, ON FEBRUARY 2, 2022, AT 4:12 P.N *****
3	BOARD MEMBERS: Stanley Andrews, Chairman William Meier, Clerk Donald C. Utti Barbara Princiotta FOR THE APPLICANT: Michelle N. O'Brien, Esq.	3 4 5	FEBRUARY 2, 2022, BOURNE BOARD OF HEALTH MEETIN AND HEARING REPORTED REMOTELY FROM HYANNIS MASSACHUSETTS, ON FEBRUARY 2, 2022, AT 4:12 P.N ***** MR. CHAIRMAN: Okay. Good
3 4 5 6	BOARD MEMBERS: Stanley Andrews, Chairman William Meier, Clerk Donald C. Utti Barbara Princiotta FOR THE APPLICANT: Michelle N. O'Brien, Esq. Pierce Atwood LLP 100 Summer Street, Floor 22 Boston, Massachusetts 02110	2 3 4 5	FEBRUARY 2, 2022, BOURNE BOARD OF HEALTH MEETIN AND HEARING REPORTED REMOTELY FROM HYANNIS MASSACHUSETTS, ON FEBRUARY 2, 2022, AT 4:12 P.M ***** MR. CHAIRMAN: Okay. Good Afternoon. It is 4:12, February 2, 2022. My name
3 4 5 6 7	BOARD MEMBERS: Stanley Andrews, Chairman William Meier, Clerk Donald C. Utti Barbara Princiotta FOR THE APPLICANT: Michelle N. O'Brien, Esq. Pierce Atwood LLP 100 Summer Street, Floor 22 Boston, Massachusetts 02110 (617) 488-8146	2 3 4 5 6 7	FEBRUARY 2, 2022, BOURNE BOARD OF HEALTH MEETING AND HEARING REPORTED REMOTELY FROM HYANNIS MASSACHUSETTS, ON FEBRUARY 2, 2022, AT 4:12 P.M. ***** MR. CHAIRMAN: Okay. Good afternoon. It is 4:12, February 2, 2022. My name is Stanley Andrews, Chair of the Bourne Board of
3 4 5 6 7	BOARD MEMBERS: Stanley Andrews, Chairman William Meier, Clerk Donald C. Utti Barbara Princiotta FOR THE APPLICANT: Michelle N. O'Brien, Esq. Pierce Atwood LLP 100 Summer Street, Floor 22 Boston, Massachusetts 02110 (617) 488-8146 mobrien@pierceatwood.com	2 3 4 5 6 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	FEBRUARY 2, 2022, BOURNE BOARD OF HEALTH MEETIN AND HEARING REPORTED REMOTELY FROM HYANNIS MASSACHUSETTS, ON FEBRUARY 2, 2022, AT 4:12 P.M ***** MR. CHAIRMAN: Okay. Good afternoon. It is 4:12, February 2, 2022. My name is Stanley Andrews, Chair of the Bourne Board of Health. I am calling to order this public hearing
3 4 5 6 7 8	BOARD MEMBERS: Stanley Andrews, Chairman William Meier, Clerk Donald C. Utti Barbara Princiotta FOR THE APPLICANT: Michelle N. O'Brien, Esq. Pierce Atwood LLP 100 Summer Street, Floor 22 Boston, Massachusetts 02110 (617) 488-8146 mobrien@pierceatwood.com FOR THE BOARD: Steven A. Torres, J.D.	2 3 4 5 6 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	FEBRUARY 2, 2022, BOURNE BOARD OF HEALTH MEETIN AND HEARING REPORTED REMOTELY FROM HYANNIS MASSACHUSETTS, ON FEBRUARY 2, 2022, AT 4:12 P.M ***** MR. CHAIRMAN: Okay. Good afternoon. It is 4:12, February 2, 2022. My name is Stanley Andrews, Chair of the Bourne Board of Health. I am calling to order this public hearing
3 4 5 6 7 8	BOARD MEMBERS: Stanley Andrews, Chairman William Meier, Clerk Donald C. Utti Barbara Princiotta FOR THE APPLICANT: Michelle N. O'Brien, Esq. Pierce Atwood LLP 100 Summer Street, Floor 22 Boston, Massachusetts 02110 (617) 488-8146 mobrien@pierceatwood.com FOR THE BOARD: Steven A. Torres, J.D. Victoria Rosa, Esq. West Group Law. PLLC	2 3 4 5 6 5 6 6 9 1	FEBRUARY 2, 2022, BOURNE BOARD OF HEALTH MEETIN AND HEARING REPORTED REMOTELY FROM HYANNIS MASSACHUSETTS, ON FEBRUARY 2, 2022, AT 4:12 P.N ***** MR. CHAIRMAN: Okay. Good afternoon. It is 4:12, February 2, 2022. My name is Stanley Andrews, Chair of the Bourne Board of Health. I am calling to order this public hearing on the Bourne integrated solid waste managemen
3 4 5 6 7 8	BOARD MEMBERS: Stanley Andrews, Chairman William Meier, Clerk Donald C. Utti Barbara Princiotta FOR THE APPLICANT: Michelle N. O'Brien, Esq. Pierce Atwood LLP 100 Summer Street, Floor 22 Boston, Massachusetts 02110 (617) 488-8146 mobrien@pierceatwood.com FOR THE BOARD: Steven A. Torres, J.D. Victoria Rosa, Esq. West Group Law, PLLC 4 Richmond Square, Suite 350 Providence, Rhode Island 02906	2 3 4 5 6 7 8 9 9 10 11 11 11 11 11 11 11 11 11 11 11 11	FEBRUARY 2, 2022, BOURNE BOARD OF HEALTH MEETIN AND HEARING REPORTED REMOTELY FROM HYANNIS MASSACHUSETTS, ON FEBRUARY 2, 2022, AT 4:12 P.N. ***** MR. CHAIRMAN: Okay. Good afternoon. It is 4:12, February 2, 2022. My name is Stanley Andrews, Chair of the Bourne Board of Health. I am calling to order this public hearing on the Bourne integrated solid waste management application for a major modification of the
3 4 5 6 7 8 9	BOARD MEMBERS: Stanley Andrews, Chairman William Meier, Clerk Donald C. Utti Barbara Princiotta FOR THE APPLICANT: Michelle N. O'Brien, Esq. Pierce Atwood LLP 100 Summer Street, Floor 22 Boston, Massachusetts 02110 (617) 488-8146 mobrien@pierceatwood.com FOR THE BOARD: Steven A. Torres, J.D. Victoria Rosa, Esq. West Group Law, PLLC 4 Richmond Square, Suite 350 Providence, Rhode Island 02906 (401) 371-3636	2 3 4 5 6 7 8 9 10	FEBRUARY 2, 2022, BOURNE BOARD OF HEALTH MEETIN AND HEARING REPORTED REMOTELY FROM HYANNIS MASSACHUSETTS, ON FEBRUARY 2, 2022, AT 4:12 P.M ***** MR. CHAIRMAN: Okay. Good afternoon. It is 4:12, February 2, 2022. My name is Stanley Andrews, Chair of the Bourne Board of Health. I am calling to order this public hearing on the Bourne integrated solid waste management application for a major modification of the existing site assignment for a proposed vertical
3 4 5 6 7 8 9 10 11	BOARD MEMBERS: Stanley Andrews, Chairman William Meier, Clerk Donald C. Utti Barbara Princiotta FOR THE APPLICANT: Michelle N. O'Brien, Esq. Pierce Atwood LLP 100 Summer Street, Floor 22 Boston, Massachusetts 02110 (617) 488-8146 mobrien@pierceatwood.com FOR THE BOARD: Steven A. Torres, J.D. Victoria Rosa, Esq. West Group Law, PLLC 4 Richmond Square, Suite 350 Providence, Rhode Island 02906 (401) 371-3636 storres@westgrouplaw.com	2 3 4 5 6 3 10 11 11	FEBRUARY 2, 2022, BOURNE BOARD OF HEALTH MEETING AND HEARING REPORTED REMOTELY FROM HYANNIS MASSACHUSETTS, ON FEBRUARY 2, 2022, AT 4:12 P.M. ***** MR. CHAIRMAN: Okay. Good afternoon. It is 4:12, February 2, 2022. My name is Stanley Andrews, Chair of the Bourne Board of Health. I am calling to order this public hearing on the Bourne integrated solid waste management application for a major modification of the existing site assignment for a proposed vertical and horizontal expansion of the 99-acre solid waste
3 4 5 6 7 8 9 10 11 12	BOARD MEMBERS: Stanley Andrews, Chairman William Meier, Clerk Donald C. Utti Barbara Princiotta FOR THE APPLICANT: Michelle N. O'Brien, Esq. Pierce Atwood LLP 100 Summer Street, Floor 22 Boston, Massachusetts 02110 (617) 488-8146 mobrien@pierceatwood.com FOR THE BOARD: Steven A. Torres, J.D. Victoria Rosa, Esq. West Group Law, PLLC 4 Richmond Square, Suite 350 Providence, Rhode Island 02906 (401) 371-3636 storres@westgrouplaw.com Vrosa@westgrouplaw.com FOR THE TEN CITIZEN GROUP:	2 3 4 5 6 3 10 11 11	FEBRUARY 2, 2022, BOURNE BOARD OF HEALTH MEETIN AND HEARING REPORTED REMOTELY FROM HYANNIS MASSACHUSETTS, ON FEBRUARY 2, 2022, AT 4:12 P.M. ***** MR. CHAIRMAN: Okay. Good afternoon. It is 4:12, February 2, 2022. My name is Stanley Andrews, Chair of the Bourne Board of Health. I am calling to order this public hearing on the Bourne integrated solid waste management application for a major modification of the existing site assignment for a proposed vertical and horizontal expansion of the 99-acre solid waste management facility.
3 4 5 6 7 8 9 11 12 13	BOARD MEMBERS: Stanley Andrews, Chairman William Meier, Clerk Donald C. Utti Barbara Princiotta FOR THE APPLICANT: Michelle N. O'Brien, Esq. Pierce Atwood LLP 100 Summer Street, Floor 22 Boston, Massachusetts 02110 (617) 488-8146 mobrien@pierceatwood.com FOR THE BOARD: Steven A. Torres, J.D. Victoria Rosa, Esq. West Group Law, PLIC 4 Richmond Square, Suite 350 Providence, Rhode Island 02906 (401) 371-3636 storres@westgrouplaw.com Vrosa@westgrouplaw.com FOR THE TEN CITIZEN GROUP: Lisa Gianelly, Esq. Conservation Law Foundation	22 33 44 55 66 77 88 99 10 11 11 11 11	FEBRUARY 2, 2022, BOURNE BOARD OF HEALTH MEETING AND HEARING REPORTED REMOTELY FROM HYANNIS MASSACHUSETTS, ON FEBRUARY 2, 2022, AT 4:12 P.M. ***** MR. CHAIRMAN: Okay. Good afternoon. It is 4:12, February 2, 2022. My named is Stanley Andrews, Chair of the Bourne Board of Health. I am calling to order this public hearing on the Bourne integrated solid waste management application for a major modification of the existing site assignment for a proposed vertical and horizontal expansion of the 99-acre solid waste management facility. Note, this public hearing is being
3 4 5 6 7 8 9 10 11 12 13	BOARD MEMBERS: Stanley Andrews, Chairman William Meier, Clerk Donald C. Utti Barbara Princiotta FOR THE APPLICANT: Michelle N. O'Brien, Esq. Pierce Atwood LLP 100 Summer Street, Floor 22 Boston, Massachusetts 02110 (617) 488-8146 mobrien@pierceatwood.com FOR THE BOARD: Steven A. Torres, J.D. Victoria Rosa, Esq. West Group Law, PLLC 4 Richmond Square, Suite 350 Providence, Rhode Island 02906 (401) 371-3636 storres@westgrouplaw.com vrosa@westgrouplaw.com 4 FOR THE TEN CITIZEN GROUP: Lisa Gianelly, Esq. Conservation Law Foundation	22 33 44 55 66 77 88 99 111 111 111	FEBRUARY 2, 2022, BOURNE BOARD OF HEALTH MEETING AND HEARING REPORTED REMOTELY FROM HYANNIS MASSACHUSETTS, ON FEBRUARY 2, 2022, AT 4:12 P.M. ***** MR. CHAIRMAN: Okay. Good afternoon. It is 4:12, February 2, 2022. My name is Stanley Andrews, Chair of the Bourne Board of Health. I am calling to order this public hearing on the Bourne integrated solid waste management application for a major modification of the existing site assignment for a proposed vertical and horizontal expansion of the 99-acre solid was management facility. Note, this public hearing is being recorded and televised by Bourne Community TV. A
3 4 5 6 7 8 9 1.1 1.2 1.3 1.4 1.5	BOARD MEMBERS: Stanley Andrews, Chairman William Meier, Clerk Donald C. Utti Barbara Princiotta FOR THE APPLICANT: Michelle N. O'Brien, Esq. Pierce Atwood LLP 100 Summer Street, Floor 22 Boston, Massachusetts 02110 (617) 488-8146 mobrien@pierceatwood.com FOR THE BOARD: Steven A. Torres, J.D. Victoria Rosa, Esq. West Group Law, PLIC 4 Richmond Square, Suite 350 Providence, Rhode Island 02906 (401) 371-3636 storres@westgrouplaw.com vrosa@westgrouplaw.com FOR THE TEN CITIZEN GROUP: Lisa Gianelly, Esq. Conservation Law Foundation 62 Summer Street Boston, Massachusetts 02110 (617) 350-0990	22 33 44 5 6 7 10 11 11 11 11	FEBRUARY 2, 2022, BOURNE BOARD OF HEALTH MEETING AND HEARING REPORTED REMOTELY FROM HYANNIS MASSACHUSETTS, ON FEBRUARY 2, 2022, AT 4:12 P.M. ***** MR. CHAIRMAN: Okay. Good afternoon. It is 4:12, February 2, 2022. My named is Stanley Andrews, Chair of the Bourne Board of Health. I am calling to order this public hearing on the Bourne integrated solid waste management application for a major modification of the existing site assignment for a proposed vertical and horizontal expansion of the 99-acre solid waste management facility. Note, this public hearing is being recorded and televised by Bourne Community TV. A members are participating remotely. If anyone
3 4 5 6 7 8 9 1.1 1.2 1.3 1.4 1.5 1.6	BOARD MEMBERS: Stanley Andrews, Chairman William Meier, Clerk Donald C. Utti Barbara Princiotta FOR THE APPLICANT: Michelle N. O'Brien, Esq. Pierce Atwood LLP 100 Summer Street, Floor 22 Boston, Massachusetts 02110 (617) 488-8146 mobrien@pierceatwood.com FOR THE BOARD: Steven A. Torres, J.D. Victoria Rosa, Esq. West Group Law, PLLC 4 Richmond Square, Suite 350 Providence, Rhode Island 02906 (401) 371-3636 storres@westgrouplaw.com Vrosa@westgrouplaw.com FOR THE TEN CITIZEN GROUP: Lisa Gianelly, Esq. Conservation Law Foundation 62 Summer Street Boston, Massachusetts 02110 (617) 350-0990	22 33 44 55 66 11 11 11 11 11 11	FEBRUARY 2, 2022, BOURNE BOARD OF HEALTH MEETING AND HEARING REPORTED REMOTELY FROM HYANNIS MASSACHUSETTS, ON FEBRUARY 2, 2022, AT 4:12 P.M. ***** MR. CHAIRMAN: Okay. Good afternoon. It is 4:12, February 2, 2022. My name is Stanley Andrews, Chair of the Bourne Board of Health. I am calling to order this public hearing on the Bourne integrated solid waste management application for a major modification of the existing site assignment for a proposed vertical and horizontal expansion of the 99-acre solid waste management facility. Note, this public hearing is being recorded and televised by Bourne Community TV. A members are participating remotely. If anyone participating in the hearing is also recording,
3 4 5 6 7 8 9 10 11 12 13 14 15 16	BOARD MEMBERS: Stanley Andrews, Chairman William Meier, Clerk Donald C. Utti Barbara Princiotta FOR THE APPLICANT: Michelle N. O'Brien, Esq. Pierce Atwood LLP 100 Summer Street, Floor 22 Boston, Massachusetts 02110 (617) 488-8146 mobrien@pierceatwood.com FOR THE BOARD: Steven A. Torres, J.D. Victoria Rosa, Esq. West Group Law, PLLC 4 Richmond Square, Suite 350 Providence, Rhode Island 02906 (401) 371-3636 storres@westgrouplaw.com vrosa@westgrouplaw.com FOR THE TEN CITIZEN GROUP: Lisa Gianelly, Esq. Conservation Law Foundation 62 Summer Street Boston, Massachusetts 02110 (617) 350-0990 SPEAKERS:	22 33 44 55 66 11 11 11 11 11 11	FEBRUARY 2, 2022, BOURNE BOARD OF HEALTH MEETING AND HEARING REPORTED REMOTELY FROM HYANNIS MASSACHUSETTS, ON FEBRUARY 2, 2022, AT 4:12 P.M. ***** MR. CHAIRMAN: Okay. Good afternoon. It is 4:12, February 2, 2022. My name is Stanley Andrews, Chair of the Bourne Board of Health. I am calling to order this public hearing on the Bourne integrated solid waste management application for a major modification of the existing site assignment for a proposed vertical and horizontal expansion of the 99-acre solid wast management facility. Note, this public hearing is being recorded and televised by Bourne Community TV. A members are participating remotely. If anyone participating in the hearing is also recording,
3 4 5 6 7 8 9 10 11 12 13 14 15 16	BOARD MEMBERS: Stanley Andrews, Chairman William Meier, Clerk Donald C. Utti Barbara Princiotta FOR THE APPLICANT: Michelle N. O'Brien, Esq. Pierce Atwood LLP 100 Summer Street, Floor 22 Boston, Massachusetts 02110 (617) 488-8146 mobrien@pierceatwood.com FOR THE BOARD: Steven A. Torres, J.D. Victoria Rosa, Esq. West Group Law, PLLC 4 Richmond Square, Suite 350 Providence, Rhode Island 02906 (401) 371-3636 storres@westgrouplaw.com vrosa@westgrouplaw.com FOR THE TEN CITIZEN GROUP: Lisa Gianelly, Esq. Conservation Law Foundation 62 Summer Street Boston, Massachusetts 02110 (617) 350-0990 SPEAKERS: Daniel Thomas Barrett, GM, ISWM A. Raymond Quinn, PE, SITEC	22 33 44 55 66 11 11 11 11 11 11 11	FEBRUARY 2, 2022, BOURNE BOARD OF HEALTH MEETING AND HEARING REPORTED REMOTELY FROM HYANNIS MASSACHUSETTS, ON FEBRUARY 2, 2022, AT 4:12 P.M. ***** MR. CHAIRMAN: Okay. Good afternoon. It is 4:12, February 2, 2022. My name is Stanley Andrews, Chair of the Bourne Board of Health. I am calling to order this public hearing on the Bourne integrated solid waste management application for a major modification of the existing site assignment for a proposed vertical and horizontal expansion of the 99-acre solid wast management facility. Note, this public hearing is being recorded and televised by Bourne Community TV. A members are participating remotely. If anyone participating in the hearing is also recording, they need to acknowledge such at this time.
3 4 5 6 7 8 9 10 11 12 13 14 15 16 11	BOARD MEMBERS: Stanley Andrews, Chairman William Meier, Clerk Donald C. Utti Barbara Princiotta FOR THE APPLICANT: Michelle N. O'Brien, Esq. Pierce Atwood LLP 100 Summer Street, Floor 22 Boston, Massachusetts 02110 (617) 488-8146 mobrien@pierceatwood.com FOR THE BOARD: Steven A. Torres, J.D. Victoria Rosa, Esq. West Group Law, PLLC 4 Richmond Square, Suite 350 Providence, Rhode Island 02906 (401) 371-3636 storres@westgrouplaw.com FOR THE TEN CITIZEN GROUP: Lisa Gianelly, Esq. Conservation Law Foundation 62 Summer Street Boston, Massachusetts 02110 (617) 350-0990 SPEAKERS: Daniel Thomas Barrett, GM, ISWM A. Raymond Quinn, PE, SITEC David Murphy, PE, Tighe & Bond	22 33 44 55 66 51 11 11 11 11 11 11 11 12	FEBRUARY 2, 2022, BOURNE BOARD OF HEALTH MEETIN AND HEARING REPORTED REMOTELY FROM HYANNIS MASSACHUSETTS, ON FEBRUARY 2, 2022, AT 4:12 P.M ***** MR. CHAIRMAN: Okay. Good afternoon. It is 4:12, February 2, 2022. My name is Stanley Andrews, Chair of the Bourne Board of Health. I am calling to order this public hearing on the Bourne integrated solid waste management application for a major modification of the existing site assignment for a proposed vertical and horizontal expansion of the 99-acre solid wast management facility. Note, this public hearing is being recorded and televised by Bourne Community TV. A members are participating remotely. If anyone participating in the hearing is also recording, they need to acknowledge such at this time. Janet, you're recording as well?
3 4 5 6 7 8 9 10 11 12 13 14 15 15 15 15 15 15 15 15 15 15 15 15 15	BOARD MEMBERS: Stanley Andrews, Chairman William Meier, Clerk Donald C. Utti Barbara Princiotta FOR THE APPLICANT: Michelle N. O'Brien, Esq. Pierce Atwood LLP 100 Summer Street, Floor 22 Boston, Massachusetts 02110 (617) 488-8146 mobrien@pierceatwood.com FOR THE BOARD: Steven A. Torres, J.D. Victoria Rosa, Esq. West Group Law, PLLC 4 Richmond Square, Suite 350 Providence, Rhode Island 02906 (401) 371-3636 storres@westgrouplaw.com Vrosa@westgrouplaw.com FOR THE TEN CITIZEN GROUP: Lisa Gianelly, Esq. Conservation Law Foundation 62 Summer Street Boston, Massachusetts 02110 (617) 350-0990 SPEAKERS: Daniel Thomas Barrett, GM, ISWM A. Raymond Quinn, PE, SITEC David Murphy, PE, Tighe & Bond	22 33 44 55 66 11 11 11 11 11 11 11 12 22	FEBRUARY 2, 2022, BOURNE BOARD OF HEALTH MEETING AND HEARING REPORTED REMOTELY FROM HYANNIS MASSACHUSETTS, ON FEBRUARY 2, 2022, AT 4:12 P.M. ***** MR. CHAIRMAN: Okay. Good afternoon. It is 4:12, February 2, 2022. My named is Stanley Andrews, Chair of the Bourne Board of Health. I am calling to order this public hearing on the Bourne integrated solid waste management application for a major modification of the existing site assignment for a proposed vertical and horizontal expansion of the 99-acre solid waste management facility. Note, this public hearing is being recorded and televised by Bourne Community TV. members are participating remotely. If anyone participating in the hearing is also recording, they need to acknowledge such at this time. Janet, you're recording as well? THE STENOGRAPHER: I am recording
3 4 5 6 7 8 9 10 11 12 13 14 15 11 12 2	BOARD MEMBERS: Stanley Andrews, Chairman William Meier, Clerk Donald C. Utti Barbara Princiotta FOR THE APPLICANT: Michelle N. O'Brien, Esq. Pierce Atwood LLP 100 Summer Street, Floor 22 Boston, Massachusetts 02110 (617) 488-8146 mobrien@pierceatwood.com FOR THE BOARD: Steven A. Torres, J.D. Victoria Rosa, Esq. West Group Law, PLLC 4 Richmond Square, Suite 350 Providence, Rhode Island 02906 (401) 371-3636 storres@westgrouplaw.com vrosa@westgrouplaw.com vrosa@westgrouplaw.com FOR THE TEN CITIZEN GROUP: Lisa Gianelly, Esq. Conservation Law Foundation 62 Summer Street Boston, Massachusetts 02110 (617) 350-0990 SPEAKERS: Daniel Thomas Barrett, GM, ISWM A. Raymond Quinn, PE, SITEC David Murphy, PE, Tighe & Bond	22 33 44 55 66 51 11 11 11 11 11 11 11 12 22 22	FEBRUARY 2, 2022, BOURNE BOARD OF HEALTH MEETIN AND HEARING REPORTED REMOTELY FROM HYANNIS MASSACHUSETTS, ON FEBRUARY 2, 2022, AT 4:12 P.M. ***** MR. CHAIRMAN: Okay. Good afternoon. It is 4:12, February 2, 2022. My name is Stanley Andrews, Chair of the Bourne Board of the Health. I am calling to order this public hearing on the Bourne integrated solid waste managemen application for a major modification of the existing site assignment for a proposed vertical and horizontal expansion of the 99-acre solid was management facility. Note, this public hearing is being recorded and televised by Bourne Community TV. A members are participating remotely. If anyone participating in the hearing is also recording, they need to acknowledge such at this time. Janet, you're recording as well? THE STENOGRAPHER: I am recording to the STENOGRAPHER: I am recording the step of the STENOGRAPHER: I am recording
3 4 5 6 7 8 9 10 11 12 13 14 15 11 11 12 12 12 12 12 12 12 12 12 12 12	BOARD MEMBERS: Stanley Andrews, Chairman William Meier, Clerk Donald C. Utti Barbara Princiotta FOR THE APPLICANT: Michelle N. O'Brien, Esq. Pierce Atwood LLP 100 Summer Street, Floor 22 Boston, Massachusetts 02110 (617) 488-8146 mobrien@pierceatwood.com FOR THE BOARD: Steven A. Torres, J.D. Victoria Rosa, Esq. West Group Law, PLLC 4 Richmond Square, Suite 350 Providence, Rhode Island 02906 (401) 371-3636 storres@westgrouplaw.com vrosa@westgrouplaw.com FOR THE TEN CITIZEN GROUP: Lisa Gianelly, Esq. Conservation Law Foundation 62 Summer Street Boston, Massachusetts 02110 (617) 350-0990 SPEAKERS: Daniel Thomas Barrett, GM, ISWM A. Raymond Quinn, PE, SITEC David Murphy, PE, Tighe & Bond	22 33 44 55 66 51 11 11 11 11 11 11 11 12 22 22	FEBRUARY 2, 2022, BOURNE BOARD OF HEALTH MEETING AND HEARING REPORTED REMOTELY FROM HYANNIS MASSACHUSETTS, ON FEBRUARY 2, 2022, AT 4:12 P.M. ***** MR. CHAIRMAN: Okay. Good afternoon. It is 4:12, February 2, 2022. My name is Stanley Andrews, Chair of the Bourne Board of Health. I am calling to order this public hearing on the Bourne integrated solid waste management application for a major modification of the existing site assignment for a proposed vertical and horizontal expansion of the 99-acre solid waste management facility. Note, this public hearing is being recorded and televised by Bourne Community TV. A members are participating remotely. If anyone participating in the hearing is also recording, they need to acknowledge such at this time. Janet, you're recording as well?

1	rage o
2 3 4 5 6 7 8	it acknowledged for the record. THE STENOGRAPHER: Okay. Thank you. MR. CHAIRMAN: In compliance with open meeting law regulations on remote participation and COVID protocols, I ask for a roll call vote to open this Zoom public hearing. My
13	MR. UTTI: Here.
14	MR. CHAIRMAN: Barbara
15	Princiotta.
16	MS. PRINCIOTTA: Present.
17	THE HEARING OFFICER: The board
18	
19	voting to open the hearing?
20	MR. CHAIRMAN: Do I have a motion to
21	open the hearing by one of the members?
22	
23	the meeting.

MR. UTTI: Second.

24

ļ	1 and disposal, will remain at a maximum material
.	2 acceptance rate of 825 tons per day.
	The applicant is not proposing any
	4 additional tonnage capacity in this application.
	5 The proposed expansion would extend the life of the
	6 landfill until approximately 2024.
	7 THE HEARING OFFICER: Could you
	8 state that again.
	MR. CHAIRMAN: 2040. I'm sorry.
	This public hearing will be
	11 conducted under Massachusetts General Laws
	12 Chapter 111, Section 150A and 150A 1/2 and the
	MassDEP site assignment regulation at 310 CMR,
	14 Section 16. The board of health will review the
	15 application, the MassDEP site suitability report,
	16 and written and oral testimony, and issue a written
	17 decision.
y	By way of additional introductions,
-	19 we have Terri Guarino, the Town's health agent,
0	20 registered sanitarian, and certified health agent.
	21 Steve Torres, Esquire, of West Group Law is the
	22 board's legal counsel. David Murphy, Professional
	23 Engineer of Tighe & Bond, is the board's review

Page 6

24 engineer.

Page 5

```
MR. CHAIRMAN: I have a motion from
2 Don Utti, a second from William Meier.
            Roll call vote: William Meier?
 3
            MR. MEIER: Yes.
 4
            MR. CHAIRMAN: Don Utti?
 5
            MR. UTTI: Yes.
 6
            MR. CHAIRMAN: Barbara Princiotta?
 7
            MS. PRINCIOTTA: Yes.
 R
            MR. CHAIRMAN: Stanley Andrews, yes.
            The proposed expansions are on two
11 parcels of land. The first area is a 25-acre
                                                       11
12 parcel that is currently site-assigned for solid
13 waste handling and is proposed to be used for a
14 horizontal landfill expansion of about 17.34 acres
15 of the new landfill cells.
             The second area is a 74-acre parcel
16
17 that is currently site-assigned as a landfill and
18 is proposed for a 40-foot vertical expansion over
19 the existing landfill areas. The landfill is
20 currently permitted to receive an average of
21 600 tons per day, with a maximum of 700 tons per
                                                        21
                                                        22 our hearing officer, John F. Shea of the Boston
22 day, a weekly cap of 4,900 tons, and a yearly cap
                                                        23 environmental law firm Mackie Shea Durning PC.
23 of two thousand -- 219,000 tons. The overall ISWM
                                                        24 Attorney Shea has acted as a hearing officer in
24 facility tonnage, including recycling, composting,
```

On January 3, 2022, the MassDEP 2 Southeast Regional Office issued a positive report on site suitability for the expansion of the solid 4 waste landfill. The public hearing notice of the proposed site assignment major modification was 6 published in the Cape Cod Times on January 10, 7 2022. Certified mail notices were mailed to abutters and others in compliance with the MassDEP 9 regulations. Notice was posted under the open 10 meeting law. The MassDEP site assignment 12 regulations set out the procedures for reviewing 13 site assignment applications and for conducting 14 public hearings. Under the regulations, the board 15 of health selects a hearing officer who is 16 responsible for conducting the public hearing. Our board still has the sole responsibility and authority to evaluate the evidence received during 19 the hearing to vote on whether to grant the site 20 assignment and issue a written decision.

It is with my pleasure to introduce

Page 9

- 1 over 30 site assignment applications throughout
- 2 Massachusetts. He was a hearing officer to this
- 3 board in 2005. He has practiced environmental law
- 4 for over 40 years. He is recognized for
- 5 environmental law and litigation by Best Lawyers,
- 6 Chambers Lawyers for Business, Martindale-Hubbell,
- 7 and Super Lawyers. The board of health welcomes
- Attorney Shea. I now turn this public hearing over to him. 9
- Mr. Shea. 10
- MS. O'BRIEN: Mr. Shea, before you 11
- 12 begin, if I may, I just noticed in the chat -- I
- 13 don't know if anybody else noticed -- that there is
- 14 a reference to someone who is recording the
- 15 proceeding. I'm not sure -- I don't think it's the
- 16 same person who identified herself earlier. The
- 17 stenographer said she is recording, but I see in
- 18 the chat an additional person. "I am recording.
- 19 Mackenzie Ryan from the Bourne Enterprise." So I
- 20 just wanted to make sure that was noted for the
- record and acceptable to the board, I guess.
- MR. CHAIRMAN: Who was that that --22
- MS. RYAN: My name is Mackey Ryan, 23
- 24 from the Bourne Enterprise.

- - 1 and I am just audio recording --MR. CHAIRMAN: Thank you. 2
 - MS. RYAN: -- for the purpose of the 3
 - 4 newspaper.
 - THE HEARING OFFICER: Thank you, 5
 - 6 Chairman Andrews.
 - Good afternoon to the board and 7
 - 8 welcome to all of you who are here virtually on
 - 9 Zoom for the Bourne integrated solid waste
 - 10 management, ISWM, application for a major
 - 11 modification of the existing site assignment for a
 - 12 vertical and horizontal expansion of the 99-acre
 - 13 solid waste management facility. It is my pleasure
 - 14 to collaborate again with the Bourne Board of
 - 15 Health.
 - I have some introductory remarks 16
 - 17 that will cover the hearing schedule, the hearing
 - 18 officer responsibilities, the uniqueness of the
 - 19 site assignment hearing, a short history of the
 - 20 site assignment process, and rulings on legal
 - 21 matters.
 - And in a couple of preliminary 22
 - 23 matters, I -- although we have the ability to mute,
 - 24 I ask everyone to please keep background noise to a

- MS. O'BRIEN: It says "Mackenzie 1 2 Ryan, Bourne Enterprise."
- MR. CHAIRMAN: Can he acknowledge 4 such, please. I had actually asked for that at the
- 5 beginning of the hearing.
- THE HEARING OFFICER: I think he 7 responded, and it was on a message at the bottom of
- the screen.
- MS. PRINCIOTTA: Mr. Stanley, he 10 didn't verbally confirm. He did it in the chat
- room. I don't know if that's acceptable.
- MR. CHAIRMAN: No. It has to be 12 13 recorded verbally.
- MS. RYAN: I'm sorry, I wasn't aware 14
- 15 that it has to be recorded verbally. I thought I 16 was able to do it in the chat as well. I've done
- 17 that in previous meetings at other boards. I am
- 18 sorry.
- MR. CHAIRMAN: It is unacceptable 19 20 for this board. Please state your name, who you're
- 21 affiliated with, and that you are recording, for
- 22 the record.
- MS. RYAN: Sure. My name is 23
- 24 Mackenzie Ryan. I am with the Bourne Enterprise,

- 1 minimum because we are conducting this via Zoom
- 2 technology. I conducted a Zoom hearing in
- 3 September of 2021, and although the background
- noise from children and MeTV was sometimes 5 humorous, it was certainly distracting and, for
- 6 some participants, annoying. So thank you for
- muting the noise.
- Please be patient with the Zoom
- 9 hearing process. Glitches happen on occasion.
- 10 Terri Guarino has conducted a successful Zoom dry 11 run. She will control access to participants and
- 12 for screen-sharing of documents. I am sure we
- 13 share a desire to return soon to in-person
- meetings, but this is a new age for communications,
- and it works reasonably well. This is a message primarily for the
- 17 board members: You need to hear each and every
- 18 syllable of testimony that's offered in the case;
- 19 so that, if you need to take a break for whatever 20 reason, if you need to get up and step away from
- 21 the hearing, let us know and we'll pause the
- 22 hearing for whatever time is necessary.
- I conducted three prehearing 23
- 24 conferences by telephone with Steve Torres, counsel

Page 13

- 1 to the board, and Michelle O'Brien, counsel to
- 2 ISWM, on December 15, 2021; January 5, 2022; and
- 3 January 13, 2022. The results of those
- 4 consultations are contained in my prehearing
- 5 conference order and report dated January 18, 2022.
- 6 It orders, amongst other things, the schedule for
- 7 the public hearing; the use of Zoom technology; the
- 8 submission of prefiled direct testimony and the
- 9 review engineer's report; and the evaluation and
- 10 rulings on any petitions or requests to intervene11 or participate.
- The board, with my concurrence, has elected to conduct a bifurcated public hearing as
- 13 elected to conduct a offurcated public hearing as 14 follows: Today, February 2nd, the hearing has
- 15 opened and has commenced. The applicant will
- 16 present its case-in-chief on the major modification
- 17 application and will answer questions from the
- 18 board and the hearing officer. The board's review
- 19 engineer and any approved intervener will submit
- their report and prefiled testimony on February 9, 2022.
- The hearing will be continued to
- 23 February 16th at 4:00 p.m. The applicant may
- 24 present additional evidence, if any, in response to

- full and fair bearing on the application for

- 1 a full and fair hearing on the application for
- 2 major modification and that the board of health
- 3 considers all relevant, material, and reliable
- 4 evidence on whether the site is suitable for the
- 5 proposed modification.
- 6 I am like a judge in a civil jury
- 7 trial ruling on the admissibility of evidence, on
- 8 motions, on requests to intervene and participate,
- 9 and procedural issues. I am charged with making
- 10 sure there is an orderly presentation of evidence
- 11 and argument and may also question witnesses to
- 12 help produce a clear and comprehensive record of13 the hearing.
- The MassDEP site assignment
- 15 regulations circumscribe the scope of my authority
- 16 and powers at 310 CMR 16.20, paragraph 11. If I am
- 17 like a superior court civil judge, then the board
- 18 is the jury, charged with making the final decision
- 19 on the site assignment modification.
- I will conduct the hearing
- 21 impartially. I am not related to any board member;
- 22 I have no financial interest in the board's
- 23 decision; and I am not an employee or agent of the
- 24 application -- of the applicant.

Page 14

Page 16

- tonight's remaining questions from the board andwill answer questions from the board, the hearing
- 3 officer, and any approved intervener.
- The board's review engineer will
- 5 present its report and will answer questions from
- 6 the board, the applicant, the hearing officer, and 7 any approved interveners. Any approved intervener
- 8 will present its case and be subject to questions
- 9 from the applicant, the board, and the hearing
- 10 officer. The applicant may present rebuttal
- 11 evidence.
- At the conclusion of the
- 13 February 16th hearing, the hearing can either be
- 14 continued to receive further evidence or closed.15 If it is to be closed, I will provide some closing
- 16 instructions. The board will deliberate and vote
- 17 at a noticed public meeting, not a hearing. A
- 18 written decision must be issued within 45 days of
- 19 tonight's commencement or on March 21, 2022,
- because the 45 days expires on March 19, 2022,which is a Saturday and is, by operation of
- 22 regulation, extended to Monday.
- 23 A little bit about my
- 24 responsibilities: It's my responsibility to ensure

The public hearing itself: This

- public hearing, as the chairman mentioned, is being
- 3 conducted under Mass General Laws Chapter 111,
- 4 Sections 150A and 150A 1/2, which governs site
- 5 assignments for solid waste facilities. And under
- 6 the MassDEP site assignment regulations at
- 7 310 CMR 16, which establish the procedures and
- 8 criteria for submission and review of site9 assignment applications, it is a formal process,
- 10 different in procedures and safeguards from typical
- 11 meetings or hearings before local boards and
- 12 commissions. I'll give you a few examples.
- First, I conduct the hearing,
- instead of the Chair, who can now focus solely onlistening to the testimony and on asking questions
- 16 of witnesses.
- Secondly, under the regulations, I
- am retained by the board but the applicant pays for
- 19 my services. The applicant also pays for the 20 services of the board's review engineer.
- 21 Witnesses are sworn and testify
- 22 under oath and are subject to cross-examination by
- 23 the lawyers, the board, and the hearing officer,
- 24 and any interveners if they are allowed.

Under the MassDEP regulations, the 2 hearing can be recorded electronically or by 3 stenographer. The applicant has retained a 4 stenographer. We are fortunate to have Janet

5 Wynne, who spent some great time setting this up. 6 If you need anyone to speak more clearly or slowly

7 or if a witness uses an unusual term or fact,

8 please tell me. If I forget to take a break,

please remind me and I will call for a recess.

The fifth difference is that general 10 11 participation from the audience is not allowed 12 under the MassDEP regulations. The board can hear

13 only the testimony from recognized parties or participants who are identified in the regulations.

This restriction is designed to minimize personal

16 agendas and to focus presentations on the relevant issues and siting criteria.

17 18

A little bit about the site 19 assignment process: Not many boards of health have

been involved in site assignment reviews. And even 21 though this board and maybe some of its members

22 were involved in a 2006 site assignment proceeding

with the same applicant, the board and the Zoom

24 audience might benefit from a brief historic

Page 19

1 environmental public health agencies were

2 insufficiently involved in the siting process, and

3 there was too little formality in the hearing

4 process. All of these shortcomings resulted in

5 many unreviewable and unenforceable decisions. In 1987 Chapter 111, Section 150A,

was substantially rewritten to address certain

8 problems with the site assignment process. The

9 revised statute strengthened the role played by

10 MassDEP in evaluating the suitability of the

11 proposed site. It required the applicant to pay

12 substantial fees to aid the board of health in its

13 analysis of the proposal and in conducting the

14 public hearing. It directed review under the

15 Massachusetts Environmental Policy Act, known as

16 MEPA, at the site assignment stage, rather than at 17 the later MassDEP permitting stage. The revised

18 law provided greater procedural safeguards during

19 the site assignment hearing. Section 150A also

20 directed MassDEP to formulate objective siting

21 criteria, which are now codified at 310 CMR,

22 Section 16.40.

Under the improved and current law, 23

24 solid waste applications like the landfill major

Page 18

1 perspective on the site assignment process.

In the broadest sense, local control 3 over the siting of solid waste facilities dates

4 back to colonial times. Boards of health

5 traditionally had authority to regulate certain

6 places for activities that are deemed potentially

7 dangerous to the public, the so-called noisome 8 trades; for example, latrines, outhouses,

piggeries, turkey and chicken farms, fish/gurry

processing plants, and dumps. 10

In 1955 the legislature identified 11 12 solid waste facilities as needing special siting

13 procedures and enacted General Laws Chapter 111, 14 Section 150A, which required solid waste facilities

15 to receive an assignment by the board of health

16 with conditions, quote, as may be necessary to

17 protect the public health, comfort, and 18 convenience, end quote.

This early law was deficient in a 19

20 number of respects, not the least of which was its

21 failure to provide objective siting criteria. The 22 law was also flawed in that the board of health did

23 not have sufficient technical or financial 24 resources for a proper site review; and state and

1 modification application by Bourne ISWM requires 2 three steps: MEPA review, MassDEP site suitability

evaluation, and a board of health site assignment

hearing.

I will leave it to the applicant to 5

6 describe in more detail, if necessary, how it has proceeded through the site assignment process to

date. I note only that the applicant submitted an

expanded notice of project change to the MEPA

office in the Executive Office of Energy and

Environmental Affairs in February 2020.

On November 13, 2020, the applicant 12 submitted a single supplemental environmental

impact report, an SSEIR. The secretary of EOEEA 15 issued a certificate determining that the SSEIR

adequately and properly complies with MEPA and its implementing regulations. 17

MassDEP issued a positive site 18

suitability report on January 3, 2022, pursuant to 310 CMR 16.13, paragraph 3.

Today ISWM is undertaking the final 21 22 step in the site assignment process -- the public

23 hearing and review by this board, which must decide

24 whether a site assignment modification is

1 appropriate using the siting criteria in the

3 application and by MassDEP in its report.

2 MassDEP regulations and as presented in the

The applicant, the board's review

5 engineer, and any allowed intervener will present

6 evidence on compliance with the relevant siting

If the board grants the site

10 two permits from MassDEP: An authorization to

11 construct and an authorization to operate in

can participate in these reviews.

16 rulings on certain legal matters. First,

statutory and regulatory deadline.

12 compliance with operations and maintenance

13 requirements. If it chooses to do so, the board

9 assignment modification, the ISWM must still obtain

Finally, I'm going to make some

commencement: The site assignment statute and

18 regulations require the commencement of the public

January 3, 2022; therefore, this hearing, commenced

Secondly, notice: I have reviewed

19 hearing within 30 days of receipt of the MassDEP

20 report on suitability. The report was received on

today, February 2nd, is in compliance with the

Page 21

1 and determined that, as it stands now, the listed

2 exhibits are relevant, material, and reliable, and

3 I will admit them en mass before the hearing

4 concludes, so not tonight but maybe on

5 February 16th.

I also will rule then on the 6

7 admissibility of documents offered during the

8 hearing. Please remind me to do so. Counsel will

9 prepare a final exhibit list for my review and 10 approval.

I want to talk a little bit about 11

12 the site suitability report. The MassDEP

13 suitability report dated January 3, 2022, is

14 important evidence in this proceeding. In a

15 five-page transmittal letter and a 55-page

16 analysis, MassDEP evaluated the proposed

17 modification against the facility's specific site

18 suitability criteria at 310 CMR 16.40(4) and the

19 general site suitability criteria for -- oh, just

20 general site suitability criteria at 310 CMR

21 16.40(4). I think I misspoke. The facility's

22 specific site suitability criteria are at 23 16.40(3)(a); the general site suitability criteria

24 are at 16.40(4); and, finally, the general site

Page 22

Page 24

- 1 the newspaper notice, the MassDEP regulatory 2 written notifications, and the open meeting law
- 3 posting. I find that the notices were properly

4 made.

4

7

8

14

15

23

24

- Rulings on evidence: Under the 5 6 MassDEP regulations, the administrative record in
- 7 the site assignment hearing includes documents
- 8 reviewed by MassDEP during its site suitability
- 9 review and documents received by the board of
- 10 health during the public hearing. At my request,
- 11 the applicant has prepared a preliminary list of
- exhibits, to which I am sure there will be

13 additions.

- Included on the list are written 14 15 comments on the application received by the board
- 16 prior to the commencement of this hearing pursuant
- 17 to 310 CMR 10.20(7)(c), specifically a January 17,
- 18 2022, email comment from Richard Jordan; a
- 19 January 26, 2022, comment letter from the 20 Conservation Law Foundation, originally submitted
- 21 to MassDEP on November 3, 2021, during its site
- suitability review; and a January 31, 2022, ISWM
- 23 response to the CLF comment letter.
- I have reviewed the list of exhibits 24

1 suitability criteria for a landfill are at 310 CMR 2 16.40(5).

Based upon its review of the 3

4 application and 63 documents listed as part of the

5 administrative record, MassDEP determined the site

6 is suitable for the purpose of establishing an

expanded municipal solid waste disposal facility.

This positive suitability report is persuasive evidence that the site is suitable for

10 the proposed expanded solid waste disposal

facility; however, the positive finding is not

absolutely binding on the board of health. The

board may disagree in whole or in part if the board

receives contrary compelling evidence that the

15 modification will present a threat to the public 16 health, safety, or the environment based on the

application of relevant siting criteria. 17

Requests to participate and 18

19 intervene: The board has received two 20 registrations. Mr. Steve McNally, who lives in

21 Bourne, has registered as a participant by email

22 dated January 26, 2022, from Lisa Gianelli,

Esquire, Senior Fellow at the Conservation Law

24 Foundation. She filed 13 individual party

1 registration statements to register as a ten

2 citizens group.

Based upon the review of the 3 4 registrations, the MassDEP site assignment 5 regulations at 310 CMR 16.20, paragraph 9, and with 6 input by counsel for the applicant, counsel for the

7 board, and counsel at the Conservation Law

8 Foundation, I find and rule as follows:

As to Mr. McNally, his registration 10 as a participant demonstrates that he is a person 11 specifically affected by this public hearing.

12 Permission for him to participate is limited to the

13 right to present testimony; to argue orally at the

14 close of the hearing; and to file a brief. The 15 requirements and limitations in 310 CMR 16,

16 paragraph 20, subparagraphs 9 and (d), shall apply,

17 and I hereby grant his request to be a participant.

As to the written request for leave 18 19 to intervene as a ten citizen group, I earlier --

20 well, before the commencement of the hearing this

21 afternoon, I conditionally granted the request to

22 intervene as follows, and I issued a written

23 decision on this. Although the written request to

24 intervene is not styled as a pleading, it does

1 Gianelli, who filed the registrations, or a member

2 of the group first identified by date, I presume,

3 pursuant to 310 CMR 16.20, subparagraph 9B.

Excuse me for a minute. I have to 5 turn on a light in here.

The ten citizen group shall file its

7 written prefiled direct testimony on February 9, 8 2022. CLF, on behalf of the ten citizen group, has

9 expressed a concern about submitting its direct

10 case without reviewing the review engineer's

11 report, which will be filed on that same day,

12 February 9, 2022.

I believe that concern is misplaced. 13

14 The ten citizen group will have adequate time to

15 review the applicant's prefiled direct testimony to 16 meet the February 9, 2022, submission deadline.

17 The ten citizen group should have adequate time

18 from February 9th to submit testimony on the review

19 engineer's report before the February 16, 2022,

20 continued hearing. This same deadline applies to

21 the applicant as well.

We can discuss later today whether 22

23 there are reasonable alternatives to complete the

24 evidentiary proceeding that will allow the board

Page 26

Page 25

1 correctly refer to 310 CMR 20, subparagraphs 2 9(a)(2) and (b), governing ten citizen group

3 registrations.

The email forwarding 13 individual 5 statements does not directly reference them as a

6 collective registration as a party. The ten

7 citizen group should have submitted one

8 registration statement with the information;

9 however, the intent to be a collective ten citizen 10 group is evident on the face of the email and the

11 documents.

The registration statement from 12 13 Sarah Goodwin was not signed. Her name was

14 typewritten on the form. It was not an electronic

15 version of her signature; however, this defect can

16 be cured. However, if it is not signed, the ten 17 citizen group will still have the requisite number

18 of individuals to comprise a legal group.

The registration statements 19

20 improperly identified CLF as the authorized 21 representative. Pursuant to 310 CMR 16.20,

22 paragraph 3, the authorized representative must be 23 an individual. This defect can be remedied if an

24 individual is designated, for example, Lisa

1 sufficient time to deliberate and issue a decision

2 by March 21, 2022. The ten citizen group is

3 reminded that its prefiled written testimony,

4 quote, shall be limited to the issues of impacts to

5 public health, safety, and damage to the

6 environment and the elimination or reduction thereof, end quote. Such testimony shall be

limited to probative evidence using the siting

criteria at 310 CMR 16.40 to address those issues.

Counsel for the applicant and the 10 11 board, are there any other preliminary issues that

12 I missed? Hearing no response --13

MR. TORRES: Mr. Hearing Officer, 14

Steven Torres for the board. No additional items. THE HEARING OFFICER: Okay. Thank

16 17 you.

MS. O'BRIEN: Sorry, I didn't hear 18

19 that. THE HEARING OFFICER: Mr. Torres has 20

21 no additional items. MS. O'BRIEN: Thank you. Nor do I. 22

23 Thank you.

THE HEARING OFFICER: Okay. 24

helpful to have that background.

16 because we love acronyms.

10 Members of the Board, and others who are

13 my pleasure to represent the applicant, the

of the witnesses.

1

17

2 8.

So, after that long-winded

O'Brien to present the applicant's affirmative

4 case, and I remind you that I will be swearing each

7 for those remarks, Mr. Hearing Officer. It's very

Good afternoon, Mr. Chairman,

11 participating today. My name is Michelle O'Brien.

14 Department of Integrated Solid Waste Management of

As you know from the chairman's

15 the Town of Bourne, fondly referred to as ISWM

18 opening remarks and the hearing officer's remarks,

19 ISWM is requesting a modification to its existing

20 site assignment to allow a vertical expansion of

23 expansion of the landfill on a 25-acre parcel that

24 is currently site-assigned for solid waste handling

21 the existing landfill -- and that's referred to in

22 the materials as Phase 9 -- and a horizontal

12 I'm an attorney at Pierce Atwood in Boston. It's

MS. O'BRIEN: Thank you. Thank you

2 introduction, I now turn it over to Attorney

Page 29

1 professional engineer of SITEC Environmental; and 2 you will hear from each of them this afternoon.

3 They will each testify and give presentations that

4 essentially summarize the information that was

5 provided in the prefiled written testimony.

They're not going to reiterate 7 everything that's in the written testimony,

8 obviously, but try to provide some information for

9 you, to help you understand what the application is

10 all about; what the facility is all about; and how

11 the site suitability criteria apply to the proposed

12 expansion into the site.

With the hearing officer's 13 14 permission, I would actually ask that we be allowed

15 to present both witnesses. I know that usually a

16 witness testifies and then is subject to questions

17 or cross-examination. Perhaps it would be more 18 efficient to allow Mr. Barrett and then Mr. Quinn

19 to testify on behalf of the applicant and then open

20 it up for questions by the hearing officer and the

21 board. Perhaps in that way some of the questions

22 that they may have will be addressed through the

23 testimony of the second witness. So I would first

24 ask if that's acceptable to the board and the

Page 30

1 facilities, and that's referred to as Phases 7 and

As was mentioned already, the 3 4 request for modification of the site assignment

5 must be evaluated using the siting criteria

6 contained in the site assignment regulations 310

7 CMR 16.40. And under those regulations, the board

of health must find the site suitable unless the siting would constitute a danger to the public

10 health, safety, or environment.

And, as you know, MassDEP examined 11 12 the application under the site assignment

13 regulations and the site suitability criteria and

14 found that the site will not pose such a danger and

15 issued a positive site suitability report. And the

16 site suitability report will be referenced and be part of the board of health record in this

proceeding, along with the many documents that

MassDEP relied on in issuing its decision. 19

The applicant, ISWM, submitted 20 21 prefiled written direct testimony, at the order of

22 the hearing officer, from two witnesses, Daniel

23 Barrett, the general manager of Integrated Solid

24 Waste Management Department, and Raymond Quinn,

1 hearing officer.

THE HEARING OFFICER: Well, I'd ask 2

3 for the input from the board first, whether they 4 want to have the ability to ask a question

5 immediately after Mr. Barrett or immediately after

6 Mr. Quinn. Either way of conducting the

7 questioning of the witnesses is acceptable to me. MS. O'BRIEN: Do you have any

preference, Mr. Chairman? You're muted. There you 9

10 go.

MR. CHAIRMAN: I would prefer to 11 12 hear from both. I do not want to start asking

13 questions that would be answered by the

presentation of the second speaker. I think it

15 would be more efficient to listen to both before 16 the questions.

MS. O'BRIEN: Fair enough. That 17

18 sounds good to me. That's what we proposed and suggested. So thank you for that. 19

And at the conclusion -- not today, 20

21 obviously, but at the conclusion of all the

22 testimony and all the evidence in the public 23 hearing, we will ask the board to approve the

24 modification of the site assignment that is being

Page 33 1 requested for the landfill expansion. So, with that, I would ask -- I 2 3 believe Mr. Barrett's microphone is on; so I would 4 ask the hearing officer to swear in the first witness, Daniel Barrett, please. DANIEL THOMAS BARRETT, sworn. 6 THE HEARING OFFICER: Counselor. 7 MS. O'BRIEN: Thank you, Mr. Shea. 8 Thank you. 9 So just a few preliminary questions 10 11 to sort of set the stage, if you will, Mr. Barrett. And for those who are looking at the 12 13 screen, it says "ISWM Department" because obviously there are a number of members of the group there, 15 but Mr. Barrett is in the front with the argyle 16 vest. Thanks for waving your hand so we 17 can see you. 18 If you would first please state your 20 full name for the record. MR. BARRETT: My name is Daniel 21 22 Thomas Barrett. MS. O'BRIEN: And if you would 23 24 please state for the board and the record your

MS. O'BRIEN: Okay. 1 Did you prepare written prefiled 2 3 testimony in this matter? MR. BARRETT: Yes, I did. 4 MS. O'BRIEN: And I don't know if my 5 camera is going to --6 Mr. Hearing Officer, how do you want 7 to do that? The lights are going off here, too. 8 Yeah, you can't see that because I'm 10 too far away from the camera, but I would ask you, 11 just again for the record, to identify -- is your 12 prefiled testimony, a five-page document entitled 13 "Prefiled Direct Testimony of Daniel T. Barrett," 14 signed under the penalties of perjury on the 26th 15 day of January? MR. BARRETT: Yes. 16 MS. O'BRIEN: And, Mr. Hearing 17 18 Officer, at your direction, we'll be, I guess, 19 holding off on offering these as evidence, but we would obviously intend to include the prefiled testimony of Mr. Barrett in the record. THE HEARING OFFICER: That's 22 23 correct. MS. O'BRIEN: Thank you. 24

Page 34

Page 36

```
1 current employment.
           MR. BARRETT: My current employment
3 is general manager of the Town of Bourne's
4 Department of Integrated Solid Waste Management.
           MS. O'BRIEN: How long have you been
 6 working at the department?
            MR. BARRETT: I was hired in 2000 as
 8 the operations manager and then promoted to general
   manager in 2009.
            MS. O'BRIEN: Would you describe,
11 just very generally or briefly, if you would, what
12 your responsibilities are as a general manager of
13 the department.
            MR. BARRETT: I'm in charge of all
14
15 operations/maintenance of the facilities at
16 201 MacArthur Boulevard as well as financial and
17 decisions needed to be made.
            MS. O'BRIEN: You said 201 MacArthur
18
19 Boulevard. That's the location of the landfill and
   other solid waste facilities; is that right?
20
             MR. BARRETT: Yes, ma'am.
21
             MS. O'BRIEN: And MacArthur
22
23 Boulevard is also known as Route 28; correct?
```

MR. BARRETT: Correct.

Mr. Barrett, in addition to your 2 prefiled written testimony, did you prepare a presentation to share with the board today? MR. BARRETT: Yes. I prepared a 5 PowerPoint presentation to provide a summary of my written testimony. MS. O'BRIEN: Excellent. And if you, or whoever is running the screen over there, would proceed to pull up that PowerPoint 10 presentation, if you would run through that, that would be great. 11 MR. BARRETT: Good evening, Ladies 12 and Gentlemen. I'll be as brief as I can. Obviously, I have a bad cold; so, if there's something that you don't understand, please let me know and I'll repeat it. We'll move along as quickly as possible, as we have a lot to do. I just want to acknowledge this 18 19 evening that we have the chairman of the board of 20 selectmen for the board in the audience, obviously 21 not participating, along with the acting town 22 administrator. In this room with me tonight I have

24 the ISWM staff -- the manager of facility

23

24

Page 37

1 compliance and technology development, Philip 2 Goddard, and also Asa Mintz, who's the operations 3 manager. I'll let Mr. Quinn --

MS. O'BRIEN: Sorry, could you just 5 advance the slides, please.

MR. BARRETT: Certainly.

MS. O'BRIEN: You're still on the 7

cover slide. 8

9 MR. BARRETT: Sorry. What happened 10 here?

11 THE HEARING OFFICER: Before he

12 advances the -- I was going to say, before he advances the slide, are we going to see that one

again so that he can point out distinguishing

features of ---

MS. O'BRIEN: He has a better map 16

17 for you to be able to do that.

18 THE HEARING OFFICER: Thank you,

19 Counselor. Thank you.

MS. O'BRIEN: Yes. 20

21 MR. BARRETT: It will be in the

22 slide, sir.

23 And right to the pictures. This is

24 a Bourne landfill obviously taken in 1959. For

1 regulations.

In the early 1980s the Town of

Bourne opted to continue site development. It was

4 a big decision, as you might imagine, for the Town, 5 a small town taking on a task -- onerous task like

6 this. Mr. Goddard Whitney was there during that

decision process and informs me that they made it

knowing exactly what they were going to do.

As a result of that and as a result

10 of special legislation, in 1999 the Department of

11 Integrated Solid Waste Management was formed. This

12 is a -- this signified Bourne's commitment to the

13 establishment of a state-of-the-art integrated

14 solid waste management facility that was previously

15 operated by the DPW as kind of a side operation to

what they did every day. The Town of Bourne wanted

17 to move forward.

What does that mean? They have a 18

19 separate, focused department with trained,

20 experienced staff with solid waste management

21 credentials; upgraded, specialized equipment and

22 techniques; focused on environmental and personnel

23 health and safety; built-in flexibility for the

24 department to react quickly to market

Page 38

Page 40

1 your benefit and to put things in perspective, I

2 would like you to see the -- at the top of the

3 photograph, along the -- what appears to be like a 4 power easement, is Donnely Pond. That ribbon road

5 that runs underneath it, which in this case will be

6 directed south of Donnely Pond, keep an eye on

7 that. And at the bottom of your screen, which will 8 be the far west, you'll notice the divided highway,

which is Route 28. 9

10 Now we'll zoom ahead to 2020 and see

11 what we have. Again, to orient yourself, here's 12 Donnely Pond up at the top; at the bottom, on the

13 west side is Route 28 south. You'll notice the

14 landfill is larger in the south, then moves its

15 way -- or, larger in the north, then moves its way

16 towards the south. But we'll get to the

17 explanation of those areas in a moment.

The ISWM facility -- let me give you 18 19 a little bit of background, as the hearing officer

20 had thought would be a good idea. The Bourne --

21 the Town of Bourne began operations on that site in

22 1967. The board of health issued an original site 23 assignment on June 16, nineteen -- sorry -- 1972 in

24 response to continuing development of solid waste

1 adjustments -- as you might imagine, that's a

2 little bit different for municipalities, and it's a

3 chore -- continuous necessary infrastructure

4 upgrades, including a new scale system and new 5 scale house and transfer station. That's just a

6 few of the examples.

It's worth noting here that the Town 7

8 of Bourne -- the Town of Bourne was the first 9 landfill in the state of Massachusetts to have a

10 double composite liner. It gives you an idea of

11 what the Town's thoughts are on moving forward and

12 running a safe facility, obviously focused on safe 13 and sustainable future development and expansion.

To kind of give you an idea of what

15 this application is trying to do, it is the intent

16 of this application to complete the site master 17 plan and give Bourne the flexibility to provide

18 Cape Cod and Southeastern Massachusetts with

19 multiple environmentally sound solid waste options

20 and a sustainable revenue stream for years to come.

21 A little bit more about that in a moment. 22

Let's talk about the facility

23 parcels, and we can see that coming up on the next 24 view. If you remember, to the right I pointed out

1 the 74-acre site-assigned parcel that is the

2 original parcel utilized for landfilling since 1967

3 and is the location for the proposed Phase 9

vertical expansion.

A 25-acre parcel, which we'll see 6 here in a minute -- a 25-acre parcel was purchased

7 in 2001, which was site-assigned for solid waste

8 handling in 2005 and is the area for proposed Phase 7 and Phase 8 horizontal landfill expansions.

10 Obviously, that's where one of the modifications of

11 the site assignment comes, changing it to have the

12 ability for landfilling.

There is a small, 12-acre parcel 13 14 purchased in 2016, which is the proposed location

15 for new offices, maintenance facilities, and,

16 pending successful site suitability, the solid

17 waste handling and transfer operations will be

18 displaced -- which will be displaced by the

landfill expansion over time. We hope to move

20 those operations out there -- and we'll talk a

21 little bit about that later -- to fully take

22 advantage of that area.

And here's the map. Again, you'll 23 24 remember this same geometry from the previous map. Page 43

1 something breaks at the facility -- particularly

2 susceptible are the waste energy facilities -- it

3 sends a ripple effect through all of the

4 facilities. Most of us are running it currently at

5 capacity, and we don't have the extra capacity to

6 absorb those type of things. Another reason why this expansion is important.

It provides competition in a limited

9 marketplace. The folks on the Upper Cape enjoy

10 having us here because we are able to add a little 11 bit of competition to the surrounding facilities.

And this is the most important of 12

13 all: Potential host site for new technologies and

14 transfer options well beyond the life of the

15 landfill. You'll notice that -- I know, when I 16 came here 21 years ago, the first thing the

17 selectmen said to me was, We don't want a landfill.

18 Find something better. And if you were to look at

19 our transition and what we've done with this

20 facility, we've retooled four times. We went from

21 raw C&D and moved into MSW. And we continue to

22 move forward.

Our goal is -- and we have 23

24 demonstrated this already, but our goal would be to

1 find a parcel that does not require landfilling,

2 and we will use that land to the south to build

3 that facility.

We thought about anaerobic

5 digestion. We weren't able to get it. We did get

a host agreement with the company, but it just

didn't happen. So it's always worthwhile to keep in mind -- notice we move from north to south. The

south is where the virgin property is, and that's

where we hope someday to build something that is

better than landfilling.

It's worth mentioning that -- the 12

board of selectmen brought this up -- well, we'll 14 get to that in a group meeting. We'll move ahead.

ISWM's role on Cape Cod: In 2007 15 16 SEMASS closed because of a catastrophic fire.

Overnight ISWM filled the void and accepted all MSW

from the towns on Cape Cod, with no financial

19 impact and absolutely no backup in service.

I was involved at that point -- you

20 21 know, I was walking out of the shower on April 1st

22 and had about five phone calls already. We spent

23 the night, a whole bunch of solid waste people,

24 putting together a plan to move that waste out.

Page 42

1 The 74-acre parcel right here, that's the oldest 2 one. That's where the 9 -- Phase 9 is going to go.

3 It's taken out of order numerically, but it's going

4 to go up there. It will be on top of completely --

5 landfilled on top of double composite lining. Moving to the south, currently 6

7 undeveloped for landfilling space, this currently houses our transfer stations/our offices.

And then, if you look to the green 10 parcel, the 12-acre parcel, that's a future parcel.

11 That's not the subject of this site assignment.

12 And, you know, we're working on that. It would 13 allow us to take advantage of some more space out

14 on the facility and allow us to continue operations

15 into the future. 16

Current benefits: Local disposal 17 and transfer operations for MSW, C&D, and

18 single-stream recyclable, as well as yard waste and 19 brush management, emergency capacity for systems

20 disruptions. For those of you in the business, or

21 maybe for those of you who aren't, with the 22 shrinking capacity that we're seeing in the state

23 of Massachusetts, small disruptions in any of these 24 facilities' incoming waste stream, in other words,

1 3,500 tons a day, we've got to move it somewhere.

2 Again, with diminishing capacity, it's not as easy.

66 percent of towns rely on ISWMeither directly or indirectly. The following

5 communities utilize SEMASS, which brings residual

6 ash to the Bourne landfill: Brewster, Chatham,

7 Dennis, Eastham, Harwich, Sandwich, Truro, and

8 Yarmouth. Additionally, ISWM directly manages the9 household waste from the town of Falmouth, through

on a long-term contract, and the trash from the

11 residents in the town of Bourne.

A very important point here, and

13 you'll see are made in a couple of points in my14 presentation, regional leader in diversion efforts

15 such as mattress, latex paint, and boat shrink wrap

16 recycling. That's just to name a few. That's

17 Mr. Goddard's specialty. He does a fantastic job.

18 And we are -- we tout -- we look at ourselves as

19 the leader on Cape Cod. We have the facilities and

we'd like to keep that moving, and we will continue

21 to do so. We are an integrated solid waste

22 management facility.

Consensus plan from leadership: We had a joint meeting in 2019. We had an earlier

Page 47

1 Researching innovative technologies2 to provide benefits to Cape Cod over the long-term:

3 Again, I keep saying the same thing, but these were

4 our orders from the board of selectmen and the

5 board of health and the finance committee. They

6 want us to move through and make sure that we can

7 find a technology that would allow to us abandon

8 landfilling at some point.

9 Decades of environmental review:

10 I'll tell you that we changed this slide. It's

11 small font. I'll read it. But originally it

12 contained all of the -- it was a smaller font and

13 it was not really meant to be read, but it showed

14 you, over the last 20 years, how much regulatory

15 review we had had. And it was only a

16 representation of MEPA and the Cape Cod Commission.

17 It didn't show anything about DEP, ATO's and ATC's

18 authorizations to construct and operate, or any of

19 the other things that we do -- quarterly

20 groundwater monitoring, air emissions, bimonthly

21 inspections.

22 Since 1999, the facility development

23 and operates -- and operations have undergone

24 continuous environmental review and approval from

Page 46

1 joint meeting of the same group in 2010. 2019 was

2 the most recent. It included the board of health,

3 board of selectmen, the finance committee, and the

4 energy advisory committee. There was no formal5 vote taken that night, but we took notes, as we did

6 in 2010. We were at a crossroads. What do you

7 folks want us to do at this facility?

In 2010 they instructed us that they didn't want a landfill municipal solid waste. We

switched over to ash, which represents the irreducible minimum at this point.

12 The board of selectmen in November

of 2019 voted unanimously to support the expansion, which allowed us to move forward, maximizing full

15 use of the landfill up to 2035. But I will point

out to you, that's why we did it -- so that we had that option under our belt where we could continue

18 to provide that service. What we would like to do

19 is find something in the interim that will not make

20 landfills necessary.

Maximizing all of the site for potential solid waste handling operations beyond

23 the life of the landfill, that's what we want to

24 do.

1 state and regional environmental agencies,

2 including the Massachusetts Department of

3 Environmental Protection, the Massachusetts

4 Environmental Policy Act Office, and the Cape Cod

5 Commission.

I think the hearing officer, in his
explanation of what we had gone through thus far,

8 may have missed the Cape Cod Commission. It's

another layer of regulatory authority. We needed
 to file an application for development of regional

10 to the an approximation for development of region 11 impact. The reason is, that's triggered by, any

11 impact. The reason is, that's triggered by, any 12 time MEPA sees an EIR, we have to come to and file

13 with these folks, which we did. These are local

14 people. This is their backyard. Each town is

15 represented. We had four subcommittee meetings, 16 and we were approved by the full committee.

In its review of the proposed

18 expansion in August of 2021, the Cape Cod

19 Commission staff stated: The Bourne ISWM facility

20 is a regional infrastructure that serves a critical21 role in managing the region's waste. While it is

22 not a long-term solution for regional waste

23 management, it is essential until the region can

24 transition to higher recycling rates, composting,

11

15

1 and a zero waste system. It is a sensible and 2 efficient -- it is sensible and efficient to make

3 use of expanded and existing facilities where

4 resources and infrastructure are already in place,

5 provided that regional resources can be protected.

6 And they did a thorough investigation to make sure

7 we were going to do that. So, again, they mention

8 that they want us to move on and get out of the

landfill business. 9

A quick overview of the expansion, 10

and then I'll turn it over it Ms. O'Brien. 11 5,175,000 cubic yards of airspace.

12 13 What you're seeing on that map that I showed you

are -- that's where that airspace is contained.

We'll have it there. Hopefully, we won't need to

use it. 16

Phase 9 is a vertical expansion up 17

18 to 225 feet -- a 40-foot vertical expansion. The 19 current height limit is 185.

Phases 7 and 8 are horizontal

20 21 expansions to the south up to 225 as well -- mean

22 sea level. I'm sorry.

Potential to last into the early 23

24 2040s. Annual tonnage, 219,000 tons. No change.

Page 51

MS. O'BRIEN: Thank you, Mr. Quinn. 1 If you would please just state your name for the

2 record, and we'll run through a few preliminary 3

items before you conduct your presentation. 4

MR. OUINN: Yes. My name is 5

6 A. Raymond Quinn. I'm employed by SITEC

Environmental. My position is as a senior project 7

manager. I've gone into semi-retirement four or 8

five years ago. I had been the majority owner and 9 president of the company until five or six --10

MS. O'BRIEN: Did -- I'm sorry, I

didn't mean to cut you off. I'm sorry, you were 12

president for how long? 13 14

MR. QUINN: I was probably president for about six or seven years. And I went into semi-retirement about six years ago.

16 MS. O'BRIEN: So you've been trying 17 to retire for a while now.

18 MR. OUINN: I've been trying. 19

MS. O'BRIEN: I get it. Yes. 20 Did you attend a college?

21 MR. QUINN: Yes. I went to 22

Northeastern University and graduated with a 23

bachelor's in civil engineering in 1971. 24

Page 50

1 No change to traffic. Daily site tonnage, 825. No

change. No change. We did that on purpose.

And that's it. A view of our front gate with the flag and the moon in the background.

5 I'll turn it over to Ms. O'Brien.

MS. O'BRIEN: Sorry, my bad, I went 6 onto mute there. 7

Thank you, Dan. And I'm sorry you R

aren't feeling well, but thank you.

So we're going to turn to Mr. Quinn. 10

11 Mr. Hearing Officer, if you would swear in

Mr. Quinn. 12

And, yes, Ray, thanks for moving up 13

14 because now I can see you. You were a little out 15 of the camera view a minute ago. So I think

16 that's -- I think that's good. I think everyone

can see you now. 17

For those who are looking at 18

19 Mr. Quinn, he is also in the ISWM Department block,

20 if you will, on the screen opposite where

21 Mr. Barrett is sitting.

So, if you would please swear the 22

23 witness, then we can get going. Thank you.

A. RAYMOND QUINN, sworn. 24

Page 52

MS. O'BRIEN: Do you hold any 1 professional licenses or certifications?

MR. QUINN: Yes. Originally, prior 3

to semi-retiring, I had seven state professional 4 engineering licenses and a Massachusetts Licensed

Site Professional license. I let several of those 6

expire with my semi-retirement. I remain a 7

professional engineer in Massachusetts and 8 Rhode Island. 9

MS. O'BRIEN: What type of projects 10 have you worked on, generally speaking, in your 11 12

professional career? MR. QUINN: Well, water projects,

13 waste water collection and treatment, water 14

treatment, site development work, hazardous waste, 15 remediation and assessment, site assessment work. 16

Most of my work, say in the past couple of decades, 17

a majority has been relative to solid waste 18 projects. 19

MS. O'BRIEN: And when you say 20

"relative to solid waste projects," what was your 21 involvement? Again, generally speaking, what do 22

you do -- what did you do? 23 24

MR. QUINN: I prepared reports, I

8

9

14

15

16

17

18

19

20

21

22

23

24

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

Page 53

1

2

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

2

3

5

6

7

8

9

10

11

17

18

19

20

21

22

23

designed facilities, both starting with MEPA applications, site assignment applications, design 2 of facilities, so preparing the authorization to construct and authorization to operate 4 applications. 5 6

MS. O'BRIEN: Have you worked with ISWM regarding the solid waste facility located on MacArthur Boulevard, Route 28, in Bourne? MR. QUINN: Yes, I have. Since 2001.

10 MS. O'BRIEN: 2001. Have you been 11 involved in ISWM's efforts to expand the facility 12 over time? 13

MR. QUINN: Yeah, going back to 2005, with the site assignment application for the 25-acre parcel, and then planning the working -the concepts for this proposed expansion for Phases 7, 8, 9 and, again, the future one for the 12-acre parcel.

MS. O'BRIEN: As part of your recent work that you just mentioned, working with ISWM regarding the currently contemplated expansion, did that include preparing an application for modification of the site assignment?

Page 55

MR. QUINN: Yes. Yes, that is. MS. O'BRIEN: Okay. Thanks.

Are there -- is your resume an 3 exhibit or an attachment to that prefiled written 4 testimony? 5

MR. QUINN: Yes. It's Exhibit 1. 6 MS. O'BRIEN: Are there other 7

exhibits to your prefiled direct testimony?

MR. QUINN: There is an Exhibit 2, which is the plans that were originally included in the application, with some modified plans dating as late as December 9, 2021.

MS. O'BRIEN: And, again, I'll just mention for the record, obviously the prefiled direct testimony will be included in the board's record of this proceeding; but, also, ISWM provided a set of plan-size, 24-by-36, if I've got that right, of the plans just so that the board has those in the office. They're often a little bit easier to read than the 8 1/2-by-11 or even 11-by-17 versions of those plans and figures.

Mr. Quinn, did you also prepare a presentation to share with the board this afternoon?

Page 54

MR. QUINN: Yes. MS. O'BRIEN: And I'm far away from the camera; so maybe I'll actually step up and put it in front of the camera. But I just want to identify for the record what the title is. Is that the BWP SW 38 application for site suitability for a major modification of an existing site assignment dated March 29, 2021? MR. QUINN: Yes, it is. Yes, that

looks like it.

MS. O'BRIEN: Everyone can see it. It's a nice, thick document; right?

MR. OUINN: Yes.

MS. O'BRIEN: So at the appropriate time we will be introducing this into the record as well, Mr. Shea.

THE HEARING OFFICER: Yes.

MS. O'BRIEN: Mr. Quinn, did you also prepare written testimony for the hearing?

MR. QUINN: Yes, I did.

MS. O'BRIEN: And is that your prefiled direct testimony of A. Raymond Quinn, PE, dated -- sorry, probably you can tell me -- dated

23 January 25, 2022?

MR. QUINN: Yes, I did. It's a 1

PowerPoint presentation, as Dan's. MS. O'BRIEN: Excellent. If you would pull that up. And you're welcome to go through the PowerPoint presentation.

MR. QUINN: Thank you very much. I appreciate the opportunity to speak with the board and make this presentation.

The project background: As you've been given, it's a landfill facility that occupies 99 acres on two parcels, a 74-acre and a 25-acre parcel. The 74 acres is currently site-assigned for landfilling, but we're seeking a modification 13 in order to do a vertical expansion from an 14 elevation of 185 to 225 Mean Sea Level. And this 15 would constitute the Phase 9 expansion. 16

Then the 25-acre parcel, which is immediately to the south of the 74-acre, is site-assigned currently for handling solid waste. We are seeking to modify a portion of that parcel in order to construct Phases 7 and 8.

There is the additional 12-acre parcel which was referenced. This is not a part of this current site assignment application but would

Page 57

Fay

be in future plans.
As Dan has mentioned, the total
capacity increase -- this is just the increase -with the modification is for 5,175,000 cubic yards,
which will extend the landfill life into the 2030s
or early 2040s.

This is a busy plan, as opposed to a picture of the site. The left is to the north, the seventy -- if you can see my pointer pointing down, this is the property line between the 74-acre parcel, which is here, within that area there with green shading, which is the area that has been closed and capped for landfill, and the gray areas, which are either intermediate cover or are active landfilling.

The Phase 9 footprint follows kind of the plateau of this area, which will be placed on the existing landfill as well as the future build-out of the active Phase 6 landfill, which is immediately south and part of the existing process.

The 25-acre parcel is immediately south. You can see the existing structures: The transfer station, the single-stream handling facility that exist there, and the Phase 7 and

Page 59

treatment: The system will be expanded with the

landfill by expanding the existing collectionnetwork, putting in new horizontal and vertical

4 collection wells into the existing and proposed

5 expansion of the facility and then pumping that

6 gas -- that collected gas to the existing and

adequately sized flare treatment system. Thisprovides gas destruction and odor control as well.

And, as well, our environmental monitoring system will be expanded to match the expansion of the landfill, which consists of a series of groundwater monitoring and landfill gas monitoring wells that will be expanded into the particularly into the Phase 7 and 8 areas, at least downgradient.

The site suitability evaluation is primarily consisting of two categories of site suitability criteria that must be evaluated for the facility to be site-assigned. As Mr. Shea identified to you, it is these criteria that the board is to base their decision on. And the types of facility criteria, facilities specific to landfills, these generally relate to the location and setback distances of waste deposition areas

Page 58

Page 60

Phase 8 footprints as designated at this point.

In order to do that, we have to move these facilities, and that's going to the 12-acre parcel, which is conceptually laid out here. In order to get down to subgrade so we maximize our use, there has to be about a half a million cubic yards of clean, natural material excavated from within this area.

The facility design will be subject to review and approval by DEP and authorization to construct, permit applications for each sequence of landfill development; and this will be consistent with and compatible to the existing facilities, which will improve groundwater protection, leachate collection in storage facilities, using a double composite liner system with interstitial leak detection.

And within that liner system, leachate is collected through a system of piping that go to sumps, where it's pumped to leachate collection tanks and then subsequently hauled offsite for disposal at licensed wastewater treatment facilities.

Landfill gas collection and

relative to environmentally sensitive areas orreceptors.

And then there are general site suitability criteria that apply to all types of solid waste facilities and generally are relative to potential impacts on different sources.

All of this criteria has been reviewed and determined by our firm, SITEC, within -- beginning with the MEPA process, the Cape Cod Commission process, and the site assignment application process. And MassDEP has determined that the site meets all of the criteria required for the proposed site assignment modification.

There's a group here of the site-specific criteria that I have listed. Generally, these are relative to resource areas where the answer can be given either at the site it is within or not within these resource locations. Such resources are Zone IIs and IWPAs of existing public water supplies and of proposed water supplies, also upgradient of water surfaces by almost 3 miles.

The discharge of the facility is not

2

10

12

13

14

15

16

17

18

19

20

21

22

23

24

3

7

8

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

to pose a danger. The waste deposition is not 1 within the zone of existing water supplies or 2 proposed drinking water source areas or recharge 3 area of surface water supplies. And the area of 4 waste deposition would be within the zones of a 5 surface drinking water supply. And, also, waste 6 deposition upgradient by 400 feet of a river 7 course that drains to a certain water supply and deposition within 1,000 feet upgradient of an 9 existing private water supply. All of these 10 criteria are answered by, no, we're not in these 11

Plus, all of these criteria, as 13 shown, are -- next -- and as shown on our water 14 resource plan, which is included in the application 15 and has been given to you, which you can look at a 16 more legible version up here, you will see -- in 17 the areas where there are marks and the colored 18 things, those are the areas that are within a 19 half-mile radius of the site, such as wetlands, the 20 green. The blue is surface waters. And this blue 21 hatching is a Zone II, a well that's quite a 22 distance away from there. These are -- the 23 radiuses from the landfill are 500 feet, a thousand 24

February 2, 2022

1 downgradient of the land.

The third condition is there exists a sufficient existing public water supply or

a sufficient existing public water supplydrinking water source areas to meet the

5 municipality's needs. In fact, the Bourne Water

6 District supplies water for this side of town.

7 Water is supplied by ten different sources,

8 including part of the Upper Cape Regional Water

9 Supply Cooperative. And the cooperative allows the

Bourne Water District to provide -- to obtain

11 additional water as needed.

The cooperative has wells that are rated for three hundred -- 3 million gallons a day but which, in fact, can provide 6 million gallons a day. And the conclusion is we meet that and the other criteria for this.

And number 10 on the site suitability specific criteria is any waste deposition would be within a potentially productive aquifer unless the designated area is improperly labeled as a potentially productive aquifer.

The aquifer cannot now or in the reasonably foreseeable future be used for a public water supply due to contamination or the area has

Page 64

Page 62

feet, and a half a mile.

areas.

12

2

3

4

5

6

7

8

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

One of those criteria we've marked that was listed as "See later" is 6, which is waste deposition over the recharge area of the sole source aquifer, unless the US -- in fact, the US EPA and the Massachusetts Contingency Plan define Cape Cod as being a sole source aquifer, so within that area, however, with exceptions, one being no existing water supplies or proposed drinking water areas are downgradient of the site.

The Bourne Board of Health 20 years ago, in its wisdom, prohibited water supply wells downgradient of the facility, and that was without any consideration at the time of Phase 7, 8, and 9. So the site meets that criterion.

And there are no existing potential private water supplies downgradient of the site or -- of the site or the applicant can supply water to those sources.

And the Bourne Board of Health and the Town has prohibited supply wells downgradient, and the Town connected all its users to the public water supply system so that they are supplied with, again, public water not relative to groundwater been excluded as a non-potential public drinking --non-potential drinking water supply.

Again, the facility is within a potentially productive aquifer, as determined by DEP. There are two closed unlined landfills downgradient of the site which would preclude any use of that downgradient area for a water supply.

MassDEP has also determined portions of the aquifer west and downgradient of the site as non-potential drinking water source areas. This is primarily along the Route 28 corridor and further west.

And, again, the board of health has prohibited wells downgradient of the landfill; thus the aquifer cannot be used as a public water supply and is best characterized as being a non-potential drinking water source. Again, the site meets this criterion.

Number 12 on the site-specific is a maximum groundwater table separation between the bottom of the liner and the maximum water table -- groundwater table in an area. The groundwater elevations have been monitored here for over 30 years, starting with the US Geologic Survey

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

1

2

3

5

6

7

8

10

11

12

13

14

15

16

17

21

22

23

24

Page 65

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

monitoring a well for 25 of those years and Cape Cod Commission monitoring another well for the past five. So there is certainty on what the maximum groundwater elevation is at this area.

Our job, then, is to design the bottom of the liner, which will be the waste containment area, to be 4-feet separation. We have our preliminary design, and we will be making sure that we establish a conservative separation.

Other simple -- one other criterion is that we are not within an area protected by the Wetlands Protection Act, including the hundred-year floor -- floodplain. The waste deposition area and leachate contaminants are not within an area protected by the Wetlands Protection Act; thus the site meets this criterion, as shown on the attached land use plan.

Any area of waste deposition or leachate containment greater than four -- within 400 feet of a lake or 200 feet of the water -- a riverfront area -- should not be sited. Again, the waste deposition area and leachate containment are not within 400 feet of a lake or 200 feet of a riverfront area. The site meets this criterion, as

Page 67

The other receptor noted in the area 1 is the Bourne Manor. It's outside the 2 thousand-foot separation buffer criteria, which is 3 this dash line around it. Beyond here, we have 4 mild upset, and inside is a 500 upset. 5

I'll point out on this map -- we'll be discussing some other land use identifiers on other criteria. I just want to point out, this kind of orange hatch line is a soils line that is designated by the U.S Department of Agriculture, which we'll discuss. This blue hatch line is a conservation area designated for the Joint Base Cape Cod area. And this gray line is a drainage area that goes to an area of critical environmental concern. But we will address those criteria as we go along.

Waste deposition on the site -- this is still site-specific. The waste deposition on the site would result in the threat of an adverse impact from groundwater -- to groundwater through discharge of leachate unless it is demonstrated to the satisfaction of DEP that a groundwater protection system will be incorporated to prevent such a risk.

Page 66

shown on the following land use plan.

15 is any area of waste deposition would be within a thousand feet of occupied residential dwellings, health care facilities, prisons, day care centers, or senior or youth facilities. The site meets the criterion, as shown on this plan.

This is the land use plan that is shown -- included in the application and which the board has been provided with a full-size, 24-by-36. The site-specific criteria we noted are residential units and health care.

There is a residence contained here within the campgrounds. The campground -- tents, trailers, other facility -- other temporary, seasonal units are not considered occupied residential facilities, only a single building which is their store --

18 (Stenographer requests 19 clarification.) 20

MR. QUINN: -- which is a store -- a permanent structure on the campground that has a store with an apartment on the second floor above the store.

Page 68

The groundwater protection system is 1 the liner system that will be a double composite 2 liner, which Dan referred to, with -- knowing that 3 the Bourne landfill had the first in the state and has been conducting double composite liners since 5 about 2000. So we will meet the requirements of any stipulation, whether current or upgraded, by 7 8

DEP. And as stated in the Cape Cod Commission review, its design is consistent with federal requirements for hazardous waste and soil, which is a greater construction than their solid waste facilities. The DEP, as well, recommends that. So we do meet that site criterion as well.

Now we move into the general site suitability criteria, again which applies to all facilities, and it's -- it's a series of different impacts that we have to address.

The first one is any land within prime, unique, state, or determined to be important USDA Natural Resource Conservation -- as recognized by Natural Resources Conservation. This is land that is deemed to be suitable for agricultural purposes and is effective.

Page 69

The second one is the land is deemed actively devoted to agriculture uses.

And, third, that a hundred-foot buffer must be provided between that area identified as soils suitable for agricultural use and any waste deposition.

In fact, as I showed you on the land use plan, USDA did determine that their original soils here did consist of soils that are suitable for farmland of statewide importance on the 25-acre parcel.

ISWM has contracted licensed certified soil scientists from LEC Environmental to conduct the site-specific soil survey that indicated limited soils remain within the 25-acre south -- along the western perimeter and southern perimeter and that the other soils, due to historic operation on the site, have been removed, where, in fact, that line on the USDA map is not accurate.

We have also provided the 100-foot offset from areas that do have those specific soil types. And, as is obvious for anyone traveling the site, it's not devoted to any current agricultural use. Thus the site meets the criterion.

Page 71

- and access to the site, and it stipulates that nosite shall be determined suitable where traffic
- 3 impacts from the operation constitute a public
- 4 safety and hazard to the environment, taking into
- 5 consideration, one, traffic congestion. That
- 6 allows -- I'll say first, based on the original
- 7 traffic study and an update we've made, which was
- 8 conducted just last year, the criteria is met by
- traffic congestion. One, there is no change towaste or traffic volume from the original and the
- updated studies; thus there is no change to trafficconclusions.

Two, pedestrian and vehicle safety:
There is no pedestrian traffic access allowed on
Route 28, and a review of the Mass Highway
Department's collision records show that the area

Department's collision records show that the area along Route 28 is below state average for accident occurrences.

Three, road configuration: Access is limited from Route 28 by Mass highway constructed and designed access -- dedicated entrance lines and exit lines, in other words, deceleration to enter and acceleration lanes to

Page 70

exit.

And as shown on the following plan which provides the specific location that we're seeking to amend the site assigned, it's this blue area now that consists of 17.34 acres that is outside of the hundred-foot property line and it's outside of the hundred-foot offset from the agricultural services. That agricultural line is determined by the soil scientists, in conjunction with the USDA mapping with this inner dashed line, with a hundred-foot offset.

The green area is an area where there is no proposed change to the site assignment status in that area on the 25-acre parcel. That means that the handling -- the solid waste handling site assignment will remain in effect, and on the 12-acre parcel there will be no site assignment.

The yellow hashed area is the current -- the anticipated potential area where we will seek a site assignment for the new handling operation at the site.

(Stenographer admonishment to slow down.)

down.)
MR. QUINN: Sure.

Our next criteria relates to traffic

Page 72

Additionally, not too long ago, the
entire internal access road system was upgraded,
the scale system was relocated, and it provides a
significant amount of queuing space should trucks
start to back up on-site. As far as alternative
routes, there are no other alternative routes that
are required or available off of the state highway.

And there is no change in vehicle volume because there is no change in the waste, which is produced -- which produces the traffic volume. Thus we assert that the site meets this criterion.

The next general site-suitability criteria relates to wildlife and wildlife habitat, that no site shall be determined to be suitable where such siting would have an adverse impact on endangered, threatened species of concern; listed by the National -- Natural Heritage and Endangered Species Program to have an adverse impact on environmentally significant communities, as determined by NHESP in its database; or have an adverse impact on the wildlife habitat in a

management area.

Basically --

Page 73 THE HEARING OFFICER: Mr. Quinn --1 2 MR. QUINN: Yes. THE HEARING OFFICER: -- I'd ask you 3 to slow down a little bit. I'm having a hard time 4 5 following, and poor Janet --(Stenographer admonishment to slow 6 7 down.) 8 MR. QUINN: I do apologize. It's somewhat difficult to change natural tendencies. 9 10 The conclusion, the Natural Heritage and Endangered Species Program determined, in 11 correspondence which is included in the 12 application, that the area delineated within the 13 25 acres is exempt from any further review by 14 NHSEP, the Massachusetts Endangered -- Protection 15 15 of Endangered Species Act. Sorry. So the site 16 16 17 meets this criterion. 17 18 Relating to areas of critical 18 environmental concern, no site shall be determined 19 19 to be suitable where such siting would be located 20 20 within an ACEC or would fail to protect the ACEC if 21 21 22 located adjacent to an ACEC. 22 23 The ISWM facility is not within an 23 ACEC. The closest ACEC is the Bourne Back River, 24 24 Page 74

shall be suitable where anticipated emissions from the facility would not meet required state and 2 federal air quality standards or would constitute a 3 danger to the public health, safety, or the environment, taking into constant -- taking into -part of this is blocked out; so I don't see it --6 7 UNIDENTIFIED SPEAKER: Consideration. 8 MR. QUINN: -- considering the concentration and dispersion of emissions; the 9 number and proximity to sensitive receptors; and 10 the attainment -- oh, status -- attainment status. 11 12 In 2003 -- well, first of all, I should say potential air quality impacts are 13 treated by the active gas collection system and 14 treatment -- and destruction by flare that has been operating on the site for 20 years. In 2003 there was a cumulative impact assessment that was conducted, and at DEP's request a 2021 update was conducted. These are all in the documentation of the record. And those site -- impact assessments concluded that there are no unacceptable health risks over this conduct. Emission of landfill gas, including hydrogen sulfide, just even the production of

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

and was the gray line I tried to point out on the 2 land use plan. And this will not be impacted by 3 the facility; thus the site meets this criterion. 4 The next facility [sic] is 5 protection of open space, and no site shall be 6 determined to be suitable where such siting would 7 have an adverse impact on the environment of 8 protected sites or on the use and enjoyment of such sites as state forests, municipal parks, MDC 10 reservations, even though they no longer exist, 11 lands with conservation, preservation, agricultural 12 land, and conservation land owned by private 13 nonprofit land public organizations, which would 14 15

which is located across from the Route 28 facility

include the adjacent Joint Base Cape Cod. ISWM has worked over the years with Joint Base Cape Cod and other abutters to the site to make sure the operations do not have adverse impacts on their property. And we have worked thoroughly with them and closely with them on such potential impacts as odor, litter, noise, and those impacts do not affect the abutters. Thus the site meets this criterion.

Potential air impacts: No site

Page 76

those, have decreased significantly since 2010. In fact, the hydrogen sulfide did cause problems years 2 ago receiving pretreatment going into the flare 3 system, but we were able to shut that system down, 4

demonstrating we had fallen below the concentration 5 of hydrogen sulfide that needed to be pretreated. 6 7

In addition to the MEPA and Cape Cod Commission process, there was a great deal of study 8 regarding greenhouse gases and climate change, and the -- as now required within the MEPA process for such facilities as needed. Again, there was quite a bit of analysis for this, and we presented it in the application and request for additional information. And Barnstable County has attained national ambient air quality standards.

The potential for the creation of nuisances: No site shall be suitable where the establishment or operation of the facility would result in nuisance conditions which would constitute a danger to the public health, safety, and the environment.

Regarding noise, the site is well buffered, and it also had a sound level survey that was performed in 2001, which is included in the

1

16

17

18

19

20

21

22

23

24

2

4

5

6

7

8

9

1.0

11

12

13

14

15

16

17

18

19

20

21

22

23

24

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

Page 79

application as Attachment 11. The conditions of the procurement of the study in that survey have not changed. 3

Two, litter: Litter is controlled by fencing around the active area and regular, meaning daily, litter patrols to go around the site.

Vermin, or rodents, are controlled by cover materials to keep them from burrowing into the waste. Again, most of that waste, 85 percent, is ash, which is not attractive to rodents. And, also, the site contracts a licensed exterminator just to make sure other areas aren't attracting rodents.

Odors: Again, odors are controlled by cover materials -- daily cover materials that will cover the municipal solid waste. It is limited in the area on a daily basis where it is exposed; so that its covering is -- it is covered, again, significantly on a daily basis. And, more importantly, the gas collection system, which draws any gas, is generated in the landfill through the flare system for destruction. Bird hazards relate to airplane

onto the landfill within the residential area and 1 plenty of room for material storage around the 2 site. Thus the site meets this criterion. 3

Areas previously used for solid 4 waste disposal: Where there's an adjacent -- where 5 an area adjacent to the site of a proposed facility 6 has been previously used for solid waste disposal, 7 the following factors shall be considered by the 8 department in determining whether a site is 9 suitable by the board of health in determining 10 whether to assign a site, which -- I'm 11 paraphrasing -- is that the site -- previous 12 landfill sites have been -- are not going to be 13 impacted by the expansion of the existing facility, 14 to which we did a structural analysis for the 15 geotechnical engineer on Phase 9, where we are

putting the additional vertical expansion on. The other areas, Phase 7 and 8, are adjacent to the existing landfill and will be on natural solid ground, which is a conventional horizontal expansion process, which is what has been done for all the other phases that have been horizontal expansions up against the existing. The

site will meet this criterion.

16

17

18

19

20

21

22

23

24

2

3

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

Page 78

Page 77

interference. While Joint Base Cape Cod, Otis Air 1 Force, is -- the runway areas are 4 to 5 miles 2

away; so they do not -- the seagull population, it

3 does exist; it doesn't credit a risk to those

facilities. And since we are not changing any 5

waste or operations, that lack of impact should not change.

The other impact that we've identified is dust, which is -- can occur during the long, dry months by water trucks and sweeping access roads. And any trucks that come or leave the site are required to be covered, per law. The site meets this regulation and this criterion.

This is -- the size of the facility: No site is suitable if the size of the site is insufficient to properly operate and maintain the proposed facility. The minimum distance between waste handling and a property boundary shall be 100 feet. A 100-foot buffer, as I showed you in the site plan, will be maintained between the waste deposition and the area's site perimeter. Additionally, adequate space: If

you've been there, you know it's a large site. There is a lot of room for vehicles to maneuver Page 80

MR. CHAIRMAN: John Shea? THE HEARING OFFICER: Yes, sir.

MR. CHAIRMAN: I believe it's time that the board can have a five-minute break. I've noticed other people have been able to leave the meeting. There's members of the board that would like to take a short recess for personal reasons.

THE HEARING OFFICER: All right. Well, it's approximately 6:00 p.m., and I'd ask you to be back by 6:10. Is that possible? Or do you need 6:15?

MR. CHAIRMAN: I think 6:15. MR. UTTI: Well, let's make it

short.

MR. QUINN: Mr. Hearing Officer, I only have three more slides, if you want me to just flip through them.

MR. UTTI: Five minutes is enough. THE HEARING OFFICER: All right. So, notwithstanding the brevity you expect for your next few slides, I think -- nature is calling; so I think we need to take a break until 6:10.

MR. CHAIRMAN: Thank you, John. (Recess from 6:00 p.m. to 6:09 p.m.)

Page 84

Page 81

1

7

8

9

10

11

12

13

14

15

16

17

24

9

10

11

12

13

14

THE HEARING OFFICER: Mr. Quinn? MS. O'BRIEN: The ISWM group, you guys are still on mute. And, Ray, you'll have to move a little closer to the camera again, please.

THE HEARING OFFICER: I wish I knew sign language. You guys.

MS. O'BRIEN: I know. Like, who is -- I'm not sure who is controlling the mute.

Ray, you're still muted. And we can't see you in the video; so you need to move up, please. There you go.

THE HEARING OFFICER: There you go. MS. O'BRIEN: You're halfway there.

13 You're unmuted, but we can't see you. 1.4

Thank you. Sit up -- sit up tall.

You're sort of sliding in and out of the view here.

Okay, a few more criteria to go

through. 18

1

2

3

4

5

6

7

8

9

10

11

12

15

16

17

1

2

3

4

5

6

7

8

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

THE HEARING OFFICER: Go ahead, 19

Mr. Quinn. 20

MS. O'BRIEN: Ray, you can go ahead, 21 I think John just said, when you're ready. 22

MR. QUINN: Our fault. We had the 23

TV muted. Sorry. 24

proposed facility mitigate or reduce those sources of pollution or contamination.

2 The overall conclusion of the 2003 3 cumulative impact study and its 2021 update is that 4 there will be no significant impact to receptors. 5 We have just an extension of an existing facility 6

that is proven not to be a risk to the environment, safety, or public health. Thus we me this

criterion.

L is regional participation. And the department and the board of health shall give preference -- preferential consideration, again not well decide -- defined. Given its interpretation that it would be preferential against a competing facility, there isn't really much applicability to this, but the department and the board of health shall weigh such preferences against the following considerations: The extent to which the proposed 18 facility meets the municipal's regional solid waste 19 management; the existing and proposed facility that 20 contributes to the town's and the regional solid 21 waste management needs of half a decade are 22 proposed to continue to do so; and the extent to 23

compost, and waste management. (Stenographer requests

2 clarification.) 3

MR. QUINN: Certainly. 4

Again, the proposed facility will 5 allow for continued local recycling and composting programs for the town and the region. The site meets this criterion. 8

which the proposed facility incorporates recycling,

And, the final slide, in determining whether the site is suitable for a combustion facility or a landfill, the department and the board of health shall consider the extent to which the proposed use of the site directly incorporates recycling and composting techniques or is otherwise integrated into recycling and composting activities

15 in the geographic area which the site will serve. 16 This is really a separate, third, 17 almost, set of criteria, and only sub-criterion B 18 applies to the board of health. The others are

19 designated as to the department --20

(Stenographer requests clarification.)

MR. QUINN: The MassDEP, for their consideration only.

22 23 24

Page 82

THE HEARING OFFICER: Please. MS. O'BRIEN: Please do. MR. QUINN: Okay. General site suitability, Criteria J, relates to existing facilities when evaluating proposed sites for new solid waste management facilities within communities where the department and the board of health shall give preferential consideration to sites, which has never been well defined. But, to begin with, this is not a new solid waste management facility; so it is not applicable. K, general site suitability, is

Ready? Should I continue now?

consideration of other sources of contamination or pollution. The determination of whether the site is suitable and should be assigned shall consider whether the projected impacts of the proposed facility pose a threat to the public health, safety, or the environment, taking into consideration any impacts within existing facilities or sources of pollution or contaminant as determined by DEP; basically, will a new expansion create a contamination issue or will our

21

8

9

10

11

12

13

14

15

16

17

18

3

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

Page 85

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

5

6

With the proposed landfill expansion 1 the facility will continue to incorporate all of 2 the existing recycling and composting operations 3 and will continue to provide regional recycling 4 capabilities. Again the site meets this criterion, 5 as it has all of the others. 6

This, again, goes to all of the applicable site-suitability criteria that the ISWM facility must address in its site assignment location. We propose that the facility does meet all of these and that the board of health, in effect, should grant the site assignment modification as proposed by ISWM.

I thank you for your patience, your endurance. I'm sorry if I couldn't annunciate clearly enough. I hope I was understood. Thank

> MS. O'BRIEN: Thank you, Mr. Quinn. I know it's a little boring for some

19 and a little challenging to go through the siting 20 criteria one by one, but obviously it's important 21 for you to have done so for the board's benefit. 22 And certainly the prefiled written testimony goes 23 into more detail about how the site of the proposed 24

Page 87

directly relevant to a specific criteria. But in

DEP's site suitability report there was an

extensive discussion about looking into

environmental justice concerns, and -- could that 4

be addressed in some way?

MS. O'BRIEN: Yes. I would ask Mr. Barrett to respond because he has some information in his prefiled written direct

testimony that addresses that issue.

MR. BARRETT: Yes.

So it was recognized during our application -- we had put our application in already, and DEP had recognized in a letter to us that we did not apply -- an updated EJ materials did not apply to us, but they respectfully requested that we make the effort to submit the things as if they were, so we did.

We set out -- we did exactly what they asked to us do. There were a few -- a couple of applicable EJ communities around us, most notably over at Joint Base Cape Cod.

We contacted those folks. We got it into their local group for distribution, including the United States Coast Guard and the separate

Page 86

expansion meets each of those siting criteria for a 1 landfill and -- pardon me -- the general criteria. 2

So, with that, Mr. Hearing Officer, those are the two witnesses that the applicant is presenting this evening. We welcome questions from you and from the board for as long as the board wants to go, recognizing, of course, that it's dinnertime and it is getting late.

We would reserve the right to provide additional testimony. I know in your earlier remarks you mentioned that at our next session on the 16th we would have time for additional testimony; but depending what the nature of the questions is and any information that we receive in the additional materials that will be filed next week, the board may -- I'm sorry, not the board -- the applicant may wish to present additional testimony from Mr. Barrett or Mr. Quinn or perhaps additional witnesses we would identify, if necessary.

But at this time that concludes the two presentations.

THE HEARING OFFICER: Well, I 23 have -- I just have one question, and it isn't

Page 88

commands at the base. So it was done. We were kind of proud of that. We didn't really have to do

it, but it seemed like the right thing to do; so we did it. 4

MS. O'BRIEN: So if I --

THE HEARING OFFICER: Go ahead,

7 Michelle. 8

MS. O'BRIEN: Well, I was just going to say, if I may mention, that in the exhibit to

9 Mr. Barrett's direct testimony, written testimony, 10

is a copy of the communication to Joint Base Cape 11

Cod regarding this particular hearing. It's among 12 the outreach being done to Joint Base Cape Cod and 13

the environmental justice community on the base, 14

but most recently, and more specifically, they were 15

notified of this particular site assessment hearing 16

that the board would be conducting. That's 17 Exhibit 1 to Mr. Barrett's prefiled direct 18

19 testimony.

THE HEARING OFFICER: And I just 20 would add, what was the result of this outreach? 21 What was the feedback from the EJ community? 22

MR. BARRETT: To be honest with you, 23 I don't think we got a whole lot of feedback. As I

Page 89 had mentioned to you, Mr. Goddard knows a whole lot of the folks over there; so he got the 2 communications out to the commands. And I don't 3 believe we heard anything from him. 4 UNIDENTIFIED SPEAKER: They just 5 distributed it. 6 MR. Barrett: Right, they just 7 distributed it, but we didn't hear any comment. 8 I guess what you're asking is if we 9 had been contacted by any of the residents, and we 10 didn't. 11 THE HEARING OFFICER: Okay. Thank 12 13 you. Does the board or its counsel have 14 any questions? 15 MR. TORRES: Thank you, Mr. Hearing 16 Officer. We do have some between Mr. Murphy and 17 myself and the members of the board who may have 18 individual questions. So, with leave of the 19 hearing officer, we'll begin. 20 THE HEARING OFFICER: Please do. 21 MR. TORRES: Thank you. And, again, 22 for the record, I'm the board's counsel, Steven

have a thing called trip generation. I abbreviated 1 it, calling it trip gen; so I apologize. 2 MR. QUINN: Yes, it was. A number 3 of variables were taken into account. Whether it 4 was the load -- the waste generation, it remains 5 the same with 85 percent ash and the remaining 6 15 percent MSW, or whether it goes to a hundred 7 percent MSW. 8 There was also some evaluation done 9 back in the early stages of analysis, where the 10 11

facility was looked at as a 1,200-ton-per-day, or a thousand-ton-per-day, facility. And there was an analysis that showed that there was adequate capacity for traffic at the site. MR. TORRES: Mr. Quinn, you actually

are somewhat clairvoyant. You actually just answered Part B of my question as well, which was, if we switched from the ash model to a strictly MSW model serving regional packers, would the nature and number of the vehicles coming in increase that, knowing that you'd bringing in packers, as opposed to the long-haul trucks with the ash --

(Stenographer requests clarification.)

Page 90

12

13

14

15

16

17

18

19

20

21

22

23

24

1

2

3

11

12

13

14

18

```
Page 92
MR. TORRES: Long-haul trailers.
```

MS. O'BRIEN: So, Mr. Quinn, do you

(Stenographer requests 1 clarification.) 2 MR. TORRES: I can just speak up a 3 littler louder. Is that better for you? 4 THE STENOGRAPHER: Yes, better. 5 Before there was some background noise as well, but 6 that's better. 7 MR. TORRES: Okay, yeah. So we'll 8 try to have some of the background noise cut, which 10

Torres, West Group Law. Can you hear me well?

criteria analysis, please? MR. QUINN: I thought I had. 5 MR. TORRES: He did. That's why I said he was somewhat clairvoyant. That was the 7 Part B. 8

means I may have to put a sweater on because I believe that's the ventilating system heating us here. I'll just speak a little bit louder. So thanks.

MS. O'BRIEN: Oh, okay. I didn't know if you needed him to clarify anything. Thank you. Sorry, I'll be quiet now.

want to address that issue as part of the traffic

So to the ISWM team, whoever can answer this one I'll start with. I understand from the modification that the peak volume for -- daily volumes will not change. And I would assume that that was factored into the trip generation for

MR. TORRES: Excellent. So thank you.

So I want to just clarify with

respect to the Phase 9 vertical expansion. We can 15 see it in the -- we can see it in the 16 17

traffic model; correct?

cross-sections. I just want to clarify it for the board's purpose.

19 MR. QUINN: Yes. 20

The Phase 9 vertical expansion goes 19 over just the original cells, and the height is 20

(Stenographer requests 21 clarification.) 22

then matched in the 7 and 8 phases, which are the 21 new cells; correct? 22

MR. TORRES: The traffic model. The 23 traffic modeling. When we do traffic modeling, we

MR. QUINN: Correct. 23 MR. TORRES: And then the follow-up 24

23

24

11

12

13

14

15

16

17

18

Page 93

to that is that the Phase 9 -- I think you've made
it clear in your testimony -- although it goes over
some portion of the earlier phase -- that, in one
portion of landfill, that there is a double liner
between the newly built expansion area.

MR. QUINN: The double liner of the existing landfill will be the liner for the Phase 9 landfill. We will remove any interstitial blockage liner system, either an intermediate cover or the geo membrane on the green area that I showed on my initial plan where a final cover has been applied, but it will be altered so that there will be a vertical hydraulic pathway to leachate generated within 9 to pass through the existing landfill and reach their double composite liner systems.

MR. TORRES: I'm going to use an acronym for the stenographer, LFG, but for the record, that stands for landfill gas system. With the LFG collection system we know that there's a flare system.

And maybe, Dan, this one's for you with the history of the site; but, actually, Mr. Ouinn, as well, has been there for a while.

Is there a reason, whether it's the

Page 95

managing running these facilities. We actually -our air permit includes the ability to run five
engines, big ones too, 3516 Caterpillar engines.
So we did account for that in our -- it has always
been our intent to do that.

When we switched back over to ash, obviously those curves declined substantially, along with a few economic -- in 2008 and 2010 the economy wasn't good. Electricity prices have dropped quite a bit recently. And, frankly, to be honest you, the gas quality just wasn't ever there. Nothing bothers us more than to look out there -- or me, anyway -- to look out there and see that happening.

We did look into, however, evaporating leachate. We looked at several different possible uses for it. Part of the Harvest Power deal, which I know no one wants to get into too much of that tonight -- but it was an anaerobic digester project, and that would have been fantastic -- a high-quality gas coming off an anaerobic digester. Part of the deal was they were going to buy our landfill gas. That was fantastic. Very happy about that. Unfortunately, it didn't

Page 94

volume or the quality of the gas, that there is no generation capacity at the site that we're flaring, as opposed to doing some type of a small-engine or off-site generation at least for a parasitic load of the facility?

MR. BARRETT: Well, when I first came here, the facility was still a C&D landfill, construction and demolition. It didn't generate a whole lot of gas. Well, I shouldn't say that. It generated a lot of hydrogen sulfide, which doesn't necessarily burn that well. We had gas wells installed into the old Phase 1 ADC MSW landfill, and we were able to burn the gas out of Phase 2.

My point to that is there wasn't a whole lot of good quality gas to do it. There wasn't a big volume of gas, and the quality of gas we were getting wasn't good.

To move on, we went into MSW, taking more MSW, more garbage, which obviously produces more gas; and as that curve started to rise, the predicting curve going off of it, we took a look at the possibility of generating electricity with it.

In my past I spent five years with Browning Ferris Gas Services developing and Page 96

see its way to fruition.

So I guess I would say to you that
we've really beat that thing, and we continue to do
so. We'll find something for it. But it's
low-quality, low-volume gas. And, like I said,
with the ash, the curves are going to continue to
climb. It's hard to get anybody, or even us, to
invest in something like that.

MR. TORRES: I understand. And we will keep away for most of the discussion -- the 12-acre parcel is not part of this site assignment, but the way you have structured this, the Phase 9 will take place before the new cell construction; so that, up until there's an application for a modification of that 12-acre site, you will be able to maintain the current processing, recycling, and the local resident services on-site even if the site assignment is granted; correct?

MR. BARRETT: Correct.

MR. TORRES: And, then, finally -- and I'll leave the technical questions over to -- I'll yield the floor to Mr. Murphy, who is our engineering consultant, for some questions. But one final, and that is, in the event that you move

Page 100

Page 97

8

9

10

11

12

13

14

15

16

17

18

19

20

21

8

14

15

16

17

18

19

20

21

22

23

24

from the ash model to the MSW model, can we be 1 assured that the waste shed in the area supports 2 the volumes necessary to fill both of the landfills 3

at the proper rates? 4

MR. BARRETT: Yes. Prior to going 5 . all ash, we ran as a landfill. We ran at a little 6 bit lower rate. We didn't max-out our annual 7 tonnage. We were running conservatively, 8 conserving airspace and -- you know, still, 9 hopefully, with enough money to meet our expenses 10 and our commitments to the Town and to do some of 11 the special things on the side that we were then 12 able to do -- recycling, composting, developing the 13 integrated solid waste management facility.

14 15 Again, I hate to keep saying the same thing, but as you see capacity -- disposal 16 capacity dwindling within the state, I mean, if 17 we -- you know, for whatever reason, if we had to 18 go to MSW tomorrow, I do not see a problem at all 19 finding enough MSW to feed our facility. That's 20 not what we want to do, but we're working with the 21 irreducible minimum and we're trying to go towards 22 that goal. But to answer your question, sir, I 23 don't think that we would have any problem at all. 24

currently a vice president at the firm of Tighe & 1

Bond, a New England-based engineering consulting 2 3

firm with 12 offices and 430 employees. I have been retained by the Bourne Board of Health to

provide technical review and technical assistance 6

during this site assignment process. 7

Some of the questions I will be asking are to address technical questions I, as the technical reviewer, have; others are intended to provide information or clarity for the board of health; and others, finally, are to provide additional clarity for the record.

THE HEARING OFFICER: Mr. Murphy --MR. MURPHY: Yes.

THE HEARING OFFICER: -- on the off chance that you will provide -- will be providing some narrative information and not just ask questions, I think I would like to swear you.

MR. MURPHY: That's fine. DAVID MURPHY, sworn.

MR. MURPHY: The first question:

Can you please provide a detailed explanation for 22 the design standards for the proposed landfill 23

liner system. I would like you to, if possible, 24

Page 98

I shouldn't say "I don't think." We wouldn't have any problem at all.

MR. TORRES: Thank you, Mr. Barrett. And that was going to be my last -- you get the 4 clairvoyant award, along with Mr. Quinn. That was going to be my last question that had to do with how your -- some of the remaining limited disposal capacity in the state; and, therefore, you support the integrated waste model.

That's all I have. But with your leave, Mr. Hearing Officer, I yield the remainder of my time to our technical consultant, Mr. Murphy.

MR. MURPHY: Is it okay to proceed, 13 14 Mr. Shea?

THE HEARING OFFICER: Yeah. Is that 15 a landfill behind you? 16

17 MR. MURPHY: That's actually the city of Boston and the Granite Links Golf Course, 18 19 yes.

20 THE HEARING OFFICER: Okay. MR. MURPHY: Introduction: My name 21 is David Murphy. I'm a Massachusetts registered 22 professional civil engineer that has worked in the 23 solid waste management field for 37 years. I am

discuss each layer; the slope requirements; maximum

head allowed; what is a composite layer; why are 2

the composite layers used, versus single layers; 3

what is the purpose of each composite layer; and 4

explain what an acceptable flow rate is within the 5 6

lower composite layer. I can repeat those if 7 needed.

MR. QUINN: Okay. I --

9 MS. O'BRIEN: Actually, before he answers the question, I would just object to that 10 question as requesting some very detailed -- what I 11 would characterize as detailed design criteria, 12 which -- I don't have the citation in front of me, 13 but it's not appropriate, I would suggest, for the board of health's determination but, rather, as a determination by the MassDEP in its review of an authorization to construct a permit application.

THE HEARING OFFICER: I concur. I was going to raise the same concern. But within that lengthy question there are some nonspecific design questions like "Why are you using a double composite here, as opposed to there?"

MR. MURPHY: If I could rephrase, maybe.

1

2

3

5

6

7

8

9

10

11

12

For the purpose of the board of 1 health and those that are not familiar with the design, could you provide some general 3 understanding of what that liner system looks like 4 and why it -- general criteria for the liner 5 design, if that's helpful, Michelle. 6 MR. TORRES: If I may be heard, 7 Mr. Hearing Officer, on the objection. I don't 8 think it's as much a specific design criteria we 9

would expect to see in the authorization to 10 construct as it is to assist this board in 11 understanding as they make their determination as 12

to whether or not, as they're required to under the 13 mandate and the regulations -- to determine whether 14

the applicable site criteria could endanger public 15 health, safety, and the environment, that the extra 16 level of care that ISWM has gone through in 17

designing the general, you know, conceptual design 18 of this addresses those interests. And I just 19 wanted to speak to that. Thank you. 20

THE HEARING OFFICER: Thank you, Mr. Torres. I think that's where we're headed. Mr. Murphy?

23 MR. MURPHY: Should I -- is there 24

21

22

1

3

4

5

6

7

8

17

18

19

20

February 2, 2022 Page 103

will be fully documented and submitted to DEP for their review and for their approval before the

facility can be opened. 3 Again, the design is set by

4 regulation -- in DEP's solid waste regulations of 5 310 CMR 19. The design establishes a composite 6 liner consisting of a clay one-foot layer. And 7 then above that there are geo-synthetic layers that 8 include a granular bentonite matted layer of GCL, 9

it's called, and that there will then be -- a 10 60-mil high-density polyethylene vinyl will be on 11

top of that. Then there will be a drainage area. 12 It's a combination of geotextile -- nonwoven 13

geotextile with a high-density polyethylene 14 structure that allows water to pass at a rapid rate 15 through it.

16 And then, above that, again there 17 will be another layer of GCL and, above that, a 18

second 60-mil high-density polyethylene liner. 19 That is the impervious construction of the liner. 20

Above that will be leachate collection pipes and a 21

sand drainage layer of 18-inches. Minimum slopes 22 are 2 percent. Maximum slopes that would be on 23

side slopes --24

1

10

13

14

15

16

Page 102

any response forthcoming on that, or should I move

2 on? MR. QUINN: Hold on. I just want to

make sure Michelle gets heard. MS. O'BRIEN: Well, I just wanted to

note that the testimony -- maybe this was in Mr. Barrett's response -- but the written testimony does contain a description of -- and obviously I'm

going to refer to Mr. Quinn's testimony -- does refer to various design features, so if you want to 10 just summarize those. I would continue to object

11 to the request for, you know, details, but you 12

could certainly describe generally for the board's 13 information, just as you did in the written 14

testimony, some of the design features that protect 15 the surrounding areas. 16

MR. QUINN: Well, first and foremost, the liner design will be consistent with DEP-approved design standards and will be detail-reviewed by them and approved by them prior to any construction.

21 During construction we'll have a 22 significant level of quality assurance attributes 23 going on throughout the construction period, which (Stenographer requests

clarification.) 2 MR. QUILL: Side slopes. -- which 3 can be 2 1/2 to 3 to 1 going from subgrade 4 elevations up to existing ground. That's the

general structure of it. Again, its performance is required 7 to meet the DEP design and performance requirements. 9

Is there anything else? MR. MURPHY: All right.

11 The second question: Can you 12

confirm, as has been noted by the MassDEP in its January 3rd report, that the proposed double composite liner system meets the US EPA design standards for a hazardous waste landfill?

MR. QUINN: Yes.

17 MR. MURPHY: Three, is there any 18 performance or monitoring information to suggest 19 that the existing double composite liners under the 20 proposed Phase 9 are not performing in accordance 21 with MassDEP standards? 22

MR. QUINN: No.

MR. MURPHY: Four, there's some

23

24

confusion regarding the total tonnage for this proposed Phase 7, 8, and 9. In the submittal, you

proposed Phase 7, 8, and 9. In the submittal, you
have stated that there's 5.175 million cubic yards.

nave stated that there's 5.1/3 million cubic yards.
 Can you estimate the approximate number of tons

associated with this airspace?

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

MR. QUINN: For the 5.1 million tons, based upon the past four years of operating experience, which is varied, they have been -- it would project to between 4.7 and 7.1 million tons.

MR. MURPHY: Thank you.

In comments filed by CLF to MassDEP on 11/3/21 there were questions regarding the use of cover material and suggestions that ISWM is ignoring capacity limits. I have reviewed your response filed by Mr. Quinn on 11/22, specifically page 3. In this section, Mr. Quinn, you explain the different uses of SEMASS bottom ash, SEMASS fly ash, and calm 9701 soils.

My question: Can you explain ISWM's policy for using thicker layers of intermediate cover, daily cover, than what DEP requires and why ISWM does not place MSW close to the outside slopes.

MR. QUINN: That's all pretty much

Page 107

Page 108

had a lot of wallboard in it, which lends itself
nicely to generating hydrogen sulfide. That

product was a postprocessing product, a lot of
 small granulars that allowed a lot of surface area

5 to be exposed.

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

sulfide was.

Within the landfill, the environment became nice, or good, to have the type of bacteria that generated hydrogen sulfide. So, you know, here we are taking it, thinking we're doing a good thing; and, sure enough, it came back and caught us, it caught Waste Management, it caught — at the time it was USA Waste — it caught us all off guard.

Another thing that exacerbated that situation was -- it was in 2008 when the economy crashed. People always like to think that landfills and solid waste operations are recession-proof. Well, let me tell you it's not true.

We were also -- it can't get any worse. It was a perfect storm. We were also filling a valley fill. In other words, we had two separate landfills. We were filling the valley between them.

Page 106

The 1 What does that mean? Basically,

odor related and gas-emission-control related. The
exterior side slopes of the landfill are

exterior side slopes of the landfill areconstructed a great deal thicker in cover than

4 normal. And that, again, is to prevent horizontal

5 migration of gases and also to maintain -- collect

6 and contain leachate within the landfill; so

they're there to -- so it doesn't run horizontally and come out the sides.

MR. MURPHY: Thank you.

Six, can you provide a summary of the odor issues that the landfill had to address multiple years back, what caused the odors, and describe the treatment system ISWM implemented to address the odors.

MR. BARRETT: Mr. Murphy, I'll take that one because I was there for that.

A couple of things led to those odor issues. Primarily, the product that we were accepting at the time was -- it's cover material approved by Massachusetts DEP was C&D 5. In other words, the processing facilities generate a fine material that is very -- work out very well for cover.

What no one saw coming was that it

when we're collecting leachate -- as you build a landfill, you bring the sides up to try to shed water, you know, clean water out the sides, the intermediate cover. What we had basically was a funnel. And every time it rained, that water funneled down into that valley where the cover material that is susceptible to generating hydrogen

What -- we had -- you would say,
Well, didn't you see that coming? Yes, we did.
And that's how -- we ran a (indiscernible-cough)
several years prior to this and we were timing the
cover flow based on info. So, as we're cruising
along through this valley fill, all of a sudden
2008 hits, the recession hits, and we lose
40 percent of our inflow.

So now we've got bad cover material, taking on water, and we can't fill it fast enough. Those are not excuses. Those are just simply realities that we had to deal with.

So we took a look at -- we already had a gas system on Phases -- the old landfill, Phase 1, ADC. We had a flare. We had the landfill

4

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

Page 109

1

4

14

15

16

17

18

extended into Phase 2 and into Phase 3, so we had 1 gas going. 2

We took the gas from the Phase 2A/3A system -- we put in intermediate horizontal collectors as an interim measure. They were sacrificial. So, basically, we knew we were going to lose them. It didn't matter. We had odor issues. We've got to solve that problem.

So we just started putting pipe in and collecting gas. We knew they were going to fail, but we put them in to cure the problem, knowing that we would be able to get up to height and then drill the vertical wells, which are the permanent solution to the problem. We took that step.

One step further was -- as we were covering, we weren't covering fast enough, we weren't filling fast enough; so we were able to locate some plastic sheet cover material, I guess, if you will. It's not typical of what we would use. It wasn't textured. It was 30 mil thick. DEP looked at it, approved it, and it worked out famously.

And I'm going through this quickly

Page 111

Has the site experienced any odor complaints in the last five years? 2

MR. BARRETT: No. 3

MR. MURPHY: On page 14 of Mr. Quinn's 11/22 response he discusses the

5 protective system ISWM deploys, and he notes that 6

close to 100 percent of the landfill gas is being

7 collected and destroyed. Can you discuss the

MassDEP permit limits for the emission of H2S and 9 ISWM's compliance record with this permit 10 11

condition. MR. BARRETT: Do you want me to take 12 13

that one? MR. QUINN: Yeah. I don't know.

MR. BARRETT: The permit limit, I believe you're referring to, Mr. Murphy, is the outlet -- or, the inlet to the flare, how much hydrogen sulfide is allowed into the flare.

MR. MURPHY: Yes.

19 MR. BARRETT: And that limit is 20 200 parts per million. 21

As you might imagine, in the 22 situation in 2008 to 2010 we were quite a bit

23 higher than that. We knew that. Plus, we had run 24

Page 110

a C&D landfill. So, you know, DEP gave us a little bit of latitude to come up with a system to solve

3 that problem. There were other systems available. 4 They were cumbersome; they didn't work as well;

5 and, most importantly, the materials -- the

offshoots, or the waste material off of those 7

systems, when put back into the landfill, generated 8

hydrogen sulfide again. 9

So we put out an RFP immediately overnight, and a few things that we put in that RFP, very quickly, were, coming off that, the offshoots, or the off-materials, cannot be hazardous, nor can -- they should be able to be returned to the landfill to generate hydrogen 16

sulfide. Ironically, a gentleman right across the street from us, a resident of Bourne -- he's a microbiologist from Woods Hole, and he said, I can 19 solve that problem, and he developed a wet 20 scrubber, a wet scrubbing system. It's been used 21 in wastewater treatment facilities for quite a 22 while, and I'm talking -- I don't know much about 23 this end of it -- that end of it, but I know it has 24

so we can finish up. But to answer your question, 1 we put in horizontal collectors; we put in 2 additional cover material; we then got the vertical 3 wells in; and we capped it temporarily with a sacrificial plastic cover. That worked fairly 5 well. And --6

MR. QUINN: (Speaking sotto voce.)

MR. BARRETT: Good point. I'm surprised the chairman of the board of health isn't pointing out the fact that, as you might imagine, we were under the microscope with those folks a little bit, and, as well, we should have. The public was after us, and I made no mistakes -- I made no excuses for what was going on. We just needed to fix it; they allowed us the time to fix it; and we did.

One of the things that the board of health instituted was they asked me, What is the problem? C&D fines. It's cover. Good, you're not taking them anymore. So they have a rule on the books guiding us, or telling us, that you're not allowed to take C&D fines. Fine -- and that's fine with us.

MR. MURPHY: Thank you.

10

11

12

13

14

15

17

18

Page 115

Page 113

worked there.
Mr. Boyd -- Dr. Boyd brought it
over. He built a scrubber system, and he said the

effluent off of this material will be able to be put back into the landfill. It won't generate

hydrogen sulfide again because he is reducing thesulfur, he's pulling it out of the gas, and it is

as close to elemental sulfur -- in other words, it
won't react -- as you're going to get.

And, you know, I'll never forget that day. It was a tough four or five years for us. He turned that scrubber on, and the effluent turned yellow. For those of you who don't know, yellow is the elemental color of sulfide. So we were very happy.

It was a first-time-ever facility.

It worked very well. If you see it today, you'll see that it looks a little bit like an ERECTOR set.

He built it as he went. And we were able to support him. Very successful. He's since sold a bunch more around the country. But that's what we did to solve that problem.

Depending on how much material we wanted to put into that system, we could get the

storm or something of that nature -- but we're nowhere near 200 and don't anticipate we ever will be.

Again, with the current waste
management system that we have, we've proven that
we can handle hydrogen sulfide cleanup with a
hundred percent MSW, and now we're just cruising
along with ash.

MR. MURPHY: Thank you, Dan. You've answered my next question; so I'll pass to the next one.

Regarding the box turtle habitat noted in the general siting criterion Number 3, can you confirm that there's been no change with the Natural Heritage and Endangered Species Program, NHSEP, regarding their finding that the proposed 7, 8, and 9 phases remain exempt from the need for a Massachusetts Endangered Species Act or an NHSEP review?

MR. QUINN: Yes. We just recently got a confirmation on that during the NHSEP review theory.

MR. MURPHY: Thank you.
Next, what are ISWM's existing

Page 116

Page 114

200 parts per million down to zero -- the hydrogen sulfide concentration, the gas, down to zero. So we ran it down very well, and we went ahead and we were able to meet that regulatory requirement.

I would be remiss if I didn't mention the leeway that DEP gave us to develop that, because it was an emerging problem and everybody had it. So they worked with us -- and it was a pilot project -- to get it done. So it was very successful, and we were very happy with it.

And I know -- I may be clairvoyant again, but I think that the question is going to come up later on, you know, What are you going to do if you get odors in the future? Odors typically indicate hydrogen sulfide. We maintain the scrubber once a week. Hydros, the company that actually owns the scrubber, comes over and services it and keeps it ready for action. If we had a high hydrogen sulfide reading any time in the next week, we'd have that thing running in less than two days.

So I have in front of me the hydrogen sulfide readings for, like, the last year and a half. And, you know, we're a little bit over a hundred here and there -- it's usually, after a

leachate disposal practices? Can you just go through those.

MR. QUINN: Well, the disposal is to collect it in the storage tanks and haul it offsite to a licensed treatment plant.

MR. MURPHY: And where do you presently take that?

MR. QUINN: That doesn't really relate to site suitability criteria, so no.

MR. MURPHY: Touche. That's good.

Next, is the Town's regulation prohibiting future drinking water supplies downgradient of the landfill. Is it based on the independent particle tracking work that ISWM requested the USGS to perform, or were there other components? In other words, was it solely related to the work that USGS did?

MR. QUINN: That was primarily the determination of the target range. It may have gone a little beyond that just to be safe and be a little conservative on what that cone was that they wanted to make sure there was no water source.

MR. MURPHY: Thank you. Next, if the allowable rate for the

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

7

8

9

10

12

13

14

17

24

Page 117

5

12

13

14

15

16

17

18

19

23

24

1

2

3

8

9

10

lower composite liner system is ever exceeded, can vou describe the procedures ISWM would take with 2 the DEP to address an exceedence? 3

MR. QUINN: Well, first would be to report it if there was an exceedence of the flow rate. Then there would be further monitoring of it. There would be inspection of the system as best as provided by the existing clean-outs and access into the secondary system. There would be cover applied and, if you can identify areas, to hopefully isolate any exceedences, and, again, monitor and, again, try to improve any cut-off technologies --

(Stenographer requests clarification.)

MR. QUINN: Any technologies we could use to divert any infiltration into the landfill that would generate additional leachate, particularly in an area, if we can identify, where flow may be getting into the secondary liner.

MR. MURPHY: Thank you.

Site assignment criterion, Number 6. 22 We know that the landfill lies over a sole-source 23 aquifer, as you have discussed. We also know DEP 24

Page 119

his microphone on; so I think that's where it's 1 coming from.

2 MR. YERANSIAN: I suggest Don Utti 3 mute his phone. 4

MR. UTTI: Hello?

MR. QUINN: I think the only 6 remaining part of my answer was: Subsequently to 7 that, or in concert with that, the board of health 8 for the Town of Bourne connected all of the private 9 water supply wells in those residences to the 10 public drinking water supply system in the water 11 district, and they did so at the Town's expense.

MR. MURPHY: Thank you.

Next, will the downgradient limits, as defined by the USGS, need to be modified once Phase 7 and 8 are built, or are the limits fully inclusive of Phase 7 and 8 already?

MR. QUINN: They are fully inclusive of that. The second -- the downgradient --

(Stenographer requests 20 clarification.)

21 MR. QUINN: It's fully inclusive of 22

the Phase 7 and 8 area, which was done under a separate analysis using the same particle tracking

Page 118

regulations allows a landfill to be sited on a 1 sole-source aquifer provided that three conditions 2

are met. My question relates to the first and 3 second conditions. Can you describe the board of

4 health regulations that were put in place to ensure 5

that the areas downgradient of the landfill could 6 never be developed as a drinking water source?

MR. QUINN: I know the

regulations (Zoom audio distortion) --(Stenographer requests

clarification.) 11

MR. QUINN: The board of health instituted a regulation that prohibits the use of groundwater for drinking water for potable purposes

in an area that they identified and that they 15 subsequently (Zoom audio distortion) --16

(Stenographer requests clarification.)

18 MR. QUINN: Subsequently identified 19 20

areas that could not use groundwater for drinking -21

THE STENOGRAPHER: There's some 22 feedback. 23

MS. O'BRIEN: I believe Mr. Utti has

model.

MR. MURPHY: Thank you. Only four more. Hopefully, quick.

Criterion Number 11, approximately 4 how many homes with private water supply wells were connected to the Bourne water -- municipal water 6 supply, and when were they connected? 7

MR. QUINN: Approximately 11, and that was back in the early 2000s.

MR. MURPHY: Thank you.

Regarding criterion ---11

MS. O'BRIEN: I'm sorry, Mr. Murphy, 12 before you go on, I just wanted to point out for 13

the board, because I know Mr. Quinn is trying to 14 answer questions without taking a minute to refer 15

to the application -- so I just wanted to mention, 16

for the board's benefit, that Attachment 6 in the 17 application has water resources correspondence,

18 including a letter from the board of health that 19

references that health regulation that you were 20

asking about, with the actual quote of Section 5.3 21 from the health regulations, just in case anybody 22

needs some additional information on the water 23

supply issue. 24

offset from that building.

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

1

2

3

4

5

6

7

10

11

12

13

14

15

16

17

18

19

20

21

22

23

maintained?

MR. MURPHY: Thank you.

that the western perimeter of the proposed site

assignment limits for Phase 7 and 8 were modified

MR. QUINN: Yes. We did a GPS

to ensure that the required 1,000-foot setback to

survey. The landfill -- they have a high-grade

survey-quality GPS system that reaches to that

capacity to determine the edge of the buildings

within an inch. And we provided a 1,001-foot

MR. MURPHY: Thank you.

I want to read a sentence from

Mr. Quinn's 11/22 response to comments on page 11

and then ask a question. The sentence comes from

the second full paragraph on page 11 of your

leaching under its own volition and with the

knowledge of the MassDEP."

response. It says "It should be emphasized that

ISWM is developing a cutting-edge process for

removal and sequestration of PFAS from the landfill

My question is: Can you summarize

the apartment unit in the campground was

Criterion Number 15, can you confirm

Page 121

11

12

13

14

15

16

17

18

19

20

21

22

23

24

6

7

8

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

think it's going to be part of an overall system.

We have, right now, just short of a half a million 2 dollars into that development of that system. It's 3

going into the final stages of developing a report 4 about building that facility. 5

And we're going to continue next 6

summer. We have some other promising technologies 7 that we're looking at, with the blessing of the 8

Town. We've asked the Town, and they said, Go 9 ahead. Go do it. 10

Leachate, as it is with most landfills, is a difficult subject to handle, especially in today's regulatory environment, where technology continues to allow a lessening of -- or, better technology to see what's in the water. And that's a good thing. I'm not complaining about it. I'm just saying that's our reality. And we're kind of out on the cutting edge, if you will, of developing that system.

We have hooked up with leading experts in the PFAS removal/wastewater treatment arena, and CEC, Consulting Engineering --MR. QUINN: (Speaking sotto voce.)

MR. BARRETT: -- Civil Environmental

Page 122

the investment that ISWM is making to be prepared for the potential changing leaching regulations?

MR. BARRETT: We can summarize that. We can put it in dollars. We can quantify it in dollars.

More importantly, let me first express the mindset that goes into that. As we did with hydrogen sulfide, we went after it in a different way. We found a better way, and it worked out better for everyone, including the town of Bourne, as well as other areas and places in the country.

We're going to do the same thing with PFAS. We went out ahead and did this. We weren't forced to do it. We didn't have to do it. I would refer -- I would suggest to you that we've taken a lot of heat for doing it, which is kind of unfortunate. You know, you don't hear a whole lot about the big companies doing it, but we're on it, and I'm very proud of that. But we will continue to pursue it.

Money-wise, we've spent probably -we spent all of last summer checking out one technology that worked out very well for us. We Page 124

Consultants. I can't remember the acronym. I'm getting old. And they've done a fantastic job for

us. Ivan Cooper -- you can google him -- he's

nationally renowned for his leachate and PFAS 4 research. 5

So our goal is to develop a system, again, that we can remove the PFAS, sequester it, and put it back in the landfill, where it won't go anywhere.

I could go on for hours talking about research done in landfills, you know, about how landfills themselves are sequestering PFAS, as we speak, without any assistance, but that's a conversation for another day.

MR. MURPHY: Thank you. And my final question: The MassDEP CSA approval letter documents consistent trending downward of contaminant concentrations in the monitoring well network around the landfill. DEP notes that numerous contaminants have no longer been detected at concentrations exceeding the GW-1 standards. Can you explain the GW-1, versus the GW-3, standard at the landfill and how the landfill site is classified.

Page 125 MR. OUINN: The GW-1 standard, by 1 regulation -- the solid waste regulation, must be evaluated for any landfill groundwater sampling by 3 the board of health's action of precluding the 4 possibility of downgradient water supplies by the 5 contaminated landfills -- the two unlined 6 landfills -- I don't want to characterize them as 7 contaminated but the two unlined landfills 8 downgradient, as well as the non-potential drinking water source areas the DEP have identified, 10 categorize the site as GW-3 in reality. 11 Should there have to be a site 12 assessment outside of the solid waste program, such 13 as the NCP, that would be the classification for 14 the assessment when evaluating groundwater quality. 15 MR. MURPHY: Thank you. That 16 concludes my questions. 17 Mr. Shea? 18 THE HEARING OFFICER: Yes. 19 Steve, any follow-up questions? 20 MR. TORRES: No, not at this time, 21 your Honor. 22 THE HEARING OFFICER: "Your Honor." 23

Page 127

MR. OUINN: The 17.34 acres was 1 established by using the hundred-foot offset from 2 the agricultural soils designations, as I had shown 3 on that slide with the blue, yellow, and green, and 4 the property line, a hundred-foot offset on the east side. That brought it down to the 6 17.34 acres. 7 MR. CHAIRMAN: Thank you. 8 I believe Mr. Torres asked about the 9 footprint of Phase 9. 10 11

I would like a little bit more clarity on a question that he asked about. He asked about the recycling and handling facility. The residential recycling and handling facility is located in the area where Phase 7 and Phase 8 will go. Are you telling us that you will not be reducing that area until you have another area put there without -- will you put in 7 and 8 prior to moving that equipment -- that area to another site, or part of the site?

MR. QUINN: No.

MR. CHAIRMAN: Thank you.

This is very important to the

community. That area prevents illegal dumping out

Page 126

12

13

14

15

16

17

18

19

20

6

7

8

16

```
Do any board members want to pose any questions?

MR. CHAIRMAN: John, I would like to
```

poll each member of the board individually, starting with Don Utti, and ask him if he has any questions this evening.

MR. UTTI: No, I don't.

MR. CHAIRMAN: Dusty Mieier?

MR. MEIER: No. I'm quite satisfied with everything I've read and how they backed up the information. Thank you.

MR. CHAIRMAN: Barbara Princiotta? MS. PRINCIOTTA: I don't have any

questions tonight either, Stanley. Thank you.

MR. CHAIRMAN: Well, I've got a
sheetful. A couple of the questions I was going to
ask have been asked by Mr. Torres and Mr. Murphy.

One question I have is: The 25-acre site -- let me pull it up here -- the 25-acre site has a landfill expansion of 17.34 acres of new landfill cells. The delta of that, is that all of the hundred-foot buffer, or is there additional distances that -- or, areas that are not being

site-assigned for landfilling?

at the high-tension lines in the town forest.

2 We've seen this over time when we had emergency

shutdowns in that area due to COVID. All of a

sudden that illegal dumping increases. I want tomake sure that we don't lose that asset.

MR. BARRETT: Mr. Chair --MR. CHAIRMAN: Yes.

MR. BARRETT: -- I wouldn't normally

9 interrupt, but, you know, as a representative of

the Town -- you know, Mr. Quinn is working for us,and he gave a fantastic answer, but as a

representative of the Town, we know -- all of us

here know how important that facility is to our operation and to the operation of the town. So,

operation and to the operation of the town. So, rest assured, we wouldn't allow that to happen.

MR. CHAIRMAN: Thank you.

As it was brought forward, there was a comment made that there were changes in the plan as late as December 9th of 2021. Could you please explain what changes were done to that version of the plan from the original versions that we started

with close to a year ago.MR. QUINN: We made a minor change

to that plan that determined the 17.34 acres just

Page 128

24

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

Thank you.

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

13

14

15

16

17

Page 129

10

11

12

13

14

along -- primarily along -- solely along the western edge of the site where the soils showed a 2 3 little bit of a rippling along the property line. The difference was about 9,000 square feet over 4 that 17 1/2-acre site. That was the primary change 5 on the plans. 6

I think we did some minor change on the existing condition plan or one of the site plans but nothing significant.

MR. CHAIRMAN: Thank you.

Can you please describe the monitoring and operations systems that notify you if you are having an event, i.e., sulfur, odors, and do you have a redundant power system for those?

MR. BARRETT: As far as odors, we don't have a system that detects odors. What we rely on is failure of the flare, if the flare goes down. And, yes, we have a backup system that runs that flare and contains the gas.

MR. CHAIRMAN: Thank you.

I want to go back to a question, I guess, that there was some pushback on. And my expectation of what the question was that Dave Murphy was asking on the liner was: The liner

Page 131

- which became popular about 15, 16 years ago when
- glacial till was being used. The plasticity index
- 3 indicates how flexible the clay is. That bottom
- foot of clay performs two jobs: It supports the
- existing layers above it. It provides flexibility
- so that those layers -- if there were a shift,
- whatever that may be -- we do a geotechnical 7
- 8 analysis, we do earthquake analysis on all these
- cells, as you know -- but it will absorb that. 9

On top of that goes the GCL, a geo-synthetic clay liner. That will technically replace a foot of clay. What it is -- I guess it's the purest form of clay. It's made out of bentonite. Bentonite's the purest form of clay.

It's designed so that -- let's say, 15 for example, you poked a nail through it. If water 16

followed the nail, it would get into that very 17

18 1/2-inch-thick layer of bentonite sewn between two

fabric pieces. It would get in there and swell. 19

Bentonite is what you use to seal up a well after 20

you've drilled it and you want to seal the top of 21

it. You use that material. So, if a nail pokes 22

through, that bentonite seals it right up. It's 23 very interesting. If you google it, you can see 24

Page 130

1

8

16

Page 132

- constitutes several different items. I'm not 1
- looking, and the board's not looking, for how these 2
- items are built and what they're -- how they're
- built. And in years past -- and the board does
- change periodically, and I want to make that 5
- available to all the board members -- Dan has 6
- 7 always had a simple way of explaining. We put this
- down here to prevent this; we put this down to do
- that: this is to cushion this. I believe that's 9
- the question Dave was asking. So the board has 10
- clarity on this, could you please explain that for 11
- simple laymen to understand. 12

MR. BARRETT: Yeah. It's definitely pretty interesting. As a geologist, I enjoy this.

A composite liner is a melding of both organic materials in nature as well as synthetic materials manmade. You start out with a

- foot of clay. That's low-permeability clay; in 18
- other words, water has a difficult time flowing 19
- through it. Most of you from this area know it's 20
- known as Boston Blue. At a minimum, it has a 21
- 10-to-the-minus-7 permeability. That's very, very 22 23 slow.
- 24
 - It also has a plasticity index,

- it. Pretty interesting stuff.
- And to continue on with the 2
- secondary, on top of that goes 60-mil HTPD --
- that's the manmade portion -- 60-mil plastic,
- textured, that lays down. It, too, is flexible.
- It's very resilient to tensile strength -- or, 6
- tensile shearing. 7

A whole lot of quality assurance

goes into building those things. If you ever get a 9

chance, when we're building a liner, come on up and 10

take a look. There's trailers up there with 11 12 testing equipment in them. They cut out, what they

call, little bones out of the seams, and they test 13

them. If they're not passing, they go back, cut 14

15 that seam out, and weld in another one. Very, very

quality assurance-intensive.

17 So that -- on top of that goes what

Ray was describing. It's a synthetic layer. It's 18

like a honeycomb, if you will, and it's contained 19

20 within two sheets of, again, nonwoven geotextile

fabric, which keeps it from slipping and sliding 21 around, adds stability to the slope, binds really 22

23 well to the 60-mil plastic, and water will flow

24 through it.

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

Page 135

Page 136

Believe it or not, that material is 1 actually directional. You can buy so that it's 2 directional. If you lay it down, water will flow 3 the way you direct it. 4

It's about probably an inch, Ray, an inch-and-a-half thick, maybe?

MR. QUINN: Not even that.

MR. BARRETT: Not even that.

And if you get a leak in the secondary liner, that water will convey to the sump. And when we talk about the sumps, they're monitored for height and head on the liner. We measure it.

We're only required to check -- I should go back to this as well. I'm getting off a little bit, but I want to go back to this. We're only required to check those well heads in those well stations three days a week. We check them six. We're here seven days a week.

And back to -- I can't remember where -- Dave made the point what happens if you have a problem. And we don't let it go that long. If we see a blip in a secondary, we're on it. 99 percent of the time in my 37 years, what you see

slope such that you can maintain internal 1 stability. But, as I said, they're all -- it's all 2 about flexibility and the ability to move because 3 they are living organisms. 4

Does that answer it, Mr. Chair? MR. CHAIRMAN: Yes, sir. I was looking for a little simpler than that.

I've got one last one. You spoke about the PFAS pilot -- pilot program. I believe you've done two versions of that up to this point. And you have been very proactive at bringing that in front of your employers, the board of selectmen, and you have brought that forward in front of the board of health, as well, prior to the board of selectmen. Do you anticipate continuing that process?

MR. BARRETT: We do, Mr. Chair. And we'll bring that to you -- we're hoping to develop a report on the 1st, as we refer to it.

By the way, Asa Mintz has headed up that project and has done a fantastic job. I can't say enough of the success that that's seen -- the direction. There's nobody in the country -- you can't call somebody and say, What did you do?

Page 134

Page 133

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

7

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

is you have metal mechanical parts working in an extremely harsh environment, and you're going to get mechanical failure.

So that's -- any type of leakage that I've seen in my career, not much of it but, when I see it, it's a failed foot valve, a failed check valve, a failed pump, a failed sensor. So, you know, we get back on it and we fix it.

To go back to where I was, we drain that water in the secondary to the sump, we check it, and we see and measure against it, check the rate at which it's spilling. It's very calculated. We can do that.

On top of that goes another layer of GCL, which is the bentonite encapsulated in fabric. And then on top of that goes the 60-mil primary liner, the same stuff as is in the secondary liner. And, again, the GCL, the geo-synthetic clay liner, if you stab a nail through that plastic, it gets wet and it swells and seals it up and shuts it off. So that's basically how it works.

21 You'll also notice that it's 22 flexible. It's resilient to staying on the slopes. 23

That's tested as well. And you have to build your

They're calling him and asking him what he did.

So, to that end, we're going to develop a final report on the systems that we checked out, and then we're going to continue in 4 the spring on one, in particular, technology that 5 we found that looks to be very successful, simple.

Keep in mind that, as the case was when we developed the hydrogen sulfide scrubber, we want it simple, we want it portable, and we want to make sure that it's usable. So those are all the details that we put into choosing a technology. So

And we will be back in front of you, hopefully, with a preliminary report early-early in the spring, and then we'll talk about what we plan to do for this summer.

MR. CHAIRMAN: Thank you.

Attorney Shea, I have completed my list of questions that I have for this evening.

THE HEARING OFFICER: Okay. I had agreed with the board that at the conclusion of ISWM's preparation tonight -- and, Michelle, are you at the conclusion now for tonight? --

MS. O'BRIEN: Yes. Yeah.

2

3

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

1

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

Page 137

THE HEARING OFFICER: Okay. -- that the public hearing would be continued until February 16th at 4:00 p.m., at which time, if you come up with some additional materials or some

4 rebuttal, you could present those and be questioned 5 by the parties. 6

February 9th we have Dave Murphy submitting a report as a follow-along to the questions that he's asked tonight. And if my conditional approval of conditions of allowing the ten citizen group are satisfied and they can, I think, be easily remedied, then we would expect their prefiled written testimony on that same night.

I know they have expressed some concern about not having the benefit of Mr. Murphy's report, but, you know, they've been involved in the review of this landfill expansion for a very long time, both at the Cape Cod Commission and at the MassDEP, as reflected in the comment letters that they wrote.

I don't know what they're 22 anticipating in terms of presenting prefiled 23 testimony, whether they are going to be using some 24

Page 139

be considered or presented, I understand the board might be receptive to another continued hearing for 2 3 that purpose.

Everyone needs to understand, the

4 board needs to issue a written decision by the 21st 5 of March. I can't adjust that schedule. The 6 parties can't adjust that schedule by consent. 7 It's a schedule that's established by statute and 8 by regulation. So it's important that we do everything we can to get the information in front 10 of the board in a timely manner for the continued 11 hearing on the 16th. 12

MS. O'BRIEN: So, if you're finished, Mr. Shea, for the time being, I want to just raise one thing with respect to the filings and service, particularly since the ten citizens group is expected to submit something -- and this is news as of today, obviously -- expected to submit their prefiled testimony by the 9th. I assume those filings will be by the close of business on that day.

The regulations, as you know, call for filings to be made by sending them to -- I'm reading this. There's a couple of different

Page 138

13

14

15

16

17

18

19

20

21

22

23

24

experts, but I think they have adequate time, given

their involvement and the availability of the 2

prefiled written testimony of ISWM and the 3

questions asked by Mr. Murphy, to know what 4 5

direction they should be going in.

In my ruling that I submitted today, I reminded them that there needs to be evidence on the public health, safety, and the environment, which are the three touchstones for citizen interventions, that those -- the evidence needs to be reflective or incorporating a consideration of the siting criteria, and I would expect to see that in the prefiled testimony.

I am not inclined to have 13 of the interveners offer written statements that don't relate to the siting criteria, and I'm not inclined to allow repetitive information that's contained in one prefiled submittal by one of the registered citizens being repeated over and over again; so I'm not going to tell them how to present their case, but we'll have that possibility.

The other thing is that, if we get to the 16th and we find that there is still some outstanding questions or information that needs to Page 140

provisions of the regulations that govern it -- by sending them to the board of health by mail or by

hand-delivery -- it seems sort of antiquated in 3

this day and age -- and also to be served on the 4 5

other parties.

So I would request that everyone 6 agree that service be by email, and not by mail. And I don't know what the board' preference is with

respect to mailing, as opposed to emailing it. I

mean, we have -- the applicant has sent submissions 10 to the board by mail and email. I note that the 11

CLF submission was made by email only. But that 12

was actually contained in the notice of the hearing 13 that said it could be -- that it could be sent by

14 either. But I just want some guidance so everybody 15

knows what's expected. 16

THE HEARING OFFICER: Well, I 17 believe that, under the regulations, I have the 18

ability to waive the standard. You know, we're 19 dealing with, unfortunately, for all of us, a very 20

compressed time frame to submit everything and have

the board have adequate time to deliberate and 22 issue a decision. 23

So I'm going to rule that we should

24

Page 141

- make all submissions by email. If you want to
- submit hard copies by U.S. Mail as well, that's not 2
- a problem. But I think the important thing is to 3
- get Dave's review report and the ten citizen 4
- testimony in in a timely way so that it gets into 5
- the system for consideration on February 16th. So
- I am -- I am going to allow -- in fact, require --7
- submission by email to accomplish those goals. 8

9 Thank you for bringing that up.

12

13

14

19

20

4

5

6

7

8

9

10

11

16

17

18

19

20

21

22

23

It's not a departure from what we have been doing 10 for the past two weeks. 11

MS. O'BRIEN: By no means. We had communicated, and Attorney Torres and I had agreed, that we would effect service by -- on each other.

15 basically, by electronic email -- and you as well.

But now that we have another party in the 16 17 proceedings, again, I just want to make sure that 18 everyone is clear on what the expectation is.

And Ms. Gianelly has her hand up. MS. GIANELLY: Yes.

21 Thank you, Mr. Hearing Officer, for allowing the email submission. We anticipate 22

asking some experts to prepare written testimony. 23 24 Right now we're not anticipating that each

Page 143

amount of time to submit materials in time for the

board to review on the 16th. So I just ask

everyone to make a real solid effort on this so

that scheduling considerations don't cloud the 5 picture.

MS. GIANELLY: Okay. Thank you.

7 MS. O'BRIEN: Yeah. I mean, I would just note at 7:32 p.m. that, in my humble opinion.

it's pretty unlikely that we would conclude all of

the testimony and all of the evidence on the 16th. 10 But that's just my guess. 11

MR. TORRES: Two items, if I may,

first. 13

6

12

18

19

20

21

22

4

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

14 THE HEARING OFFICER: We can't hear you, Steve. 15

16 MR. TORRES: Two items. Thank you. 17 Mr. Hearing Officer. Two items, if I may.

Yes, the regulations, as the hearing officer has noted, contemplate the opportunity for some type of, you know, rebuttal to the written submission in advance of the 16th, and he's made that accommodation.

23 It's very important to understand 24 that the citizens group has been granted party

Page 142

Page 144

individual citizen will come forward with a 1

2 presentation. One -- and as you pointed out, the

overview of our presentations is contained in the 3

comment letter that CLF had delivered to DEP.

One concern about not having the engineer's -- reviewing engineer's report in advance is, you know, it may raise an issue that an expert might want to address. And under the original prehearing order, we were to submit the

presentations on the 16th, and I would just like to ask that, if necessary, we would be able to

supplement, soon after reviewing the engineer's 12 13

report, with anything additional that an expert might find relevant and that we would deliver that

14 after -- prior to the 16th/after the 9th by email. 15

> THE HEARING OFFICER: Ms. O'Brien? MS. O'BRIEN: That seems reasonable.

MS. GIANELLY: Thank you.

MS. O'BRIEN: We also may be submitting, as you said, rebuttal testimony or supplemental testimony; so it seems fair.

THE HEARING OFFICER: You're essentially in the same boat as the ten citizens in reviewing the engineer's report and having the same status, not super-party status; so they should be

entitled to the same restrictions as the other party, which, in fact, is the applicant.

What I do want to distinguish is that our engineer, my engineer, the board's engineer, is not a party to this proceeding. He is an extension of this board, and his role is to

advise them. (Stenographer requests clarification.)

MR. TORRES: I'm just pointing out that the board's engineer is not a party to the proceeding. The board is not a party to the proceeding. The board, as the hearing officer pointed out at the very onset of the hearing today. is, in fact, the jury in this case. Provided the judge provides them instructions, they will make rulings. And the board's agent's role is in that vein.

So to the extent that an applicant or another party granted party status feels that they have to have the last word after my engineer, that's not the way it works.

THE HEARING OFFICER: Well, I don't

Page 147

Page 145

know if that's not the way works, but it's -- we're
going to have the 16th to iron out any difficulties
in terms of whether or not the review engineer
needs to -- or the applicant's engineer -- needs to
supplement or provide rebuttal as a result of the
experts that will be retained by the ten citizen
group.

So, you know, we need some flexibility -- and I know you've had some discussions with the board about a potential date -- if it's absolutely necessary to continue the hearing to conclude this in a timely way, but I hope we don't get to that.

And the next hearing -- I just want to, you know -- Mr. Chairman, I mean, we set sort of an artificial deadline tonight based upon what we thought would be the time that the applicant would need. And I think we intended to go to eight and then pull the plug tonight and continue it.

I would suggest that we lengthen the time for the next hearing, perhaps with appropriate breaks during the course of the evening, to get as much in as we can, with the idea of, hopefully, we could conclude the evidentiary session of the the other board members.

THE HEARING OFFICER: So what you're saying is written comment -- written testimony, as a result of the review of the materials on the 9th, needs to be submitted by the 11th?

MR. CHAIRMAN: It doesn't give the board much time if the board needs some time to do a review. If we have to, the board will take the time and peel it out of our schedules to do that, but it does create an undue burden upon the board members to do that. It's something that we have signed up to do as public servants; and if that's what I have to do, that's what I'll have to do. But I would ask for something back from anyone that wanted to do a rebuttal to whatever written testimony is sent in on the 9th.

MS. O'BRIEN: May I just ask -- or, clarify, I guess: I wasn't assuming that the applicant would have written responses to the submissions of the board's technical expert or to the prefiled testimony of the ten citizens group. We would certainly have questions and cross-examination on the 16th, but I can't -- having not seen it yet, I don't know that we would

Page 146

Page 148

1 public hearing.

Mr. Chair, how do you feel about

3 that?

MR. CHAIRMAN: I agree with that. I will put a hard limit of 11 o'clock for the second hearing night, similar to what we do at town meetings. That would be the hard limit. In fact, that would be a six-hour session -- seven-hour session.

Back to the discussion everyone was having for the meeting on the 16th, for when submissions have to be in. And knowing that the applicant will be looking at the submissions to come in on the 9th and they need time to reply — I agree with that. Everyone is professionals working on this — I don't see a reason why they cannot have it done by close of business on the 11th because the board has full-time jobs and we usually like to take the weekend to do our reviews.

So there's a little bit of flexibility there, but it does not give us proper time if you give everyone else until the 15th. It means I take a day off from work to do that. I am not compensated in any way, and neither are any of

have any written submissions. So I just wanted to -- you know, to make that clear, that, if we're going to submit something in writing, obviously we would do it as quickly as possible.

But at the moment, I'm anticipating,
based on our prior discussions and the schedule
that was put out in the prehearing report order,
that we would have cross-examination on the 16th,
just like we did tonight with the questions and the
responses.

MR. CHAIRMAN: I agree with that.
What I do not want is I do not want slip allowed that allows someone to send written testimony in on the 15th. The board needs to have that in a timely fashion. Anyone that tries to send written testimony in at a late date is doing a disservice to this board, who is trying to get this information and to consume it and to be able to use that for coming to findings.

THE HEARING OFFICER: Well, I know

THE HEARING OFFICER: Well, I know people who are paid professionals -- or even volunteer professionals -- make a mighty effort to comply with schedules, but I'm a little quizzical as to whether or not written rebuttal can be

2

3

4

5

6

7

8

9

10

11

12

13

17

6

7

8

11

14

15

16

17

18

Page 149

completed by the close of day on Friday. And I think -- you know, I'm not going to decide this for you. I know what you're saying about using your weekends, as I do, but you certainly have a wealth of information to pour through, and you will have the review engineer's report and the expert input from the ten citizens

to pour through. So, you know, if there's going to be -- I would suggest, respectfully, that, if there is additional written materials to be submitted, they be submitted by close of business on the 14th.

MR. CHAIRMAN: I'll work with that. Are there any other board members

14 that have an issue with allowing that? 15 Barbara? Please unmute yourself. 16

MS. PRINCIOTTA: I don't have any issue with that. Again, I agree with you, Stanley.

18 There's a lot of information to digest. I, too, 19 like to spend the weekends working on it. Like you

20 said, I appreciate what Mr. Shea is saying, that 21

they might not be able to get it done, but -- who 22 knows, most people can meet deadlines -- but,

23 anyway, if it's the 14th, it's the 14th. I can 24

Page 151

Information being submitted on a Monday to an unmanned email inbox is an additional burden to the

2 health department staff. That information will not 3

be immediately distributed. We are agents and 4

inspectors that are short of staff during the surge 5

of the pandemic; so I would ask that that be taken 6

into consideration. It's very time-consuming 7

putting together these files, distributing them, 8

having to post them onto a web page, and whatnot; 9 so I would ask that that be taken into 10

consideration as well.

11

12

13

14

15

16

17

18

19

20

21

22

23

24

5

THE HEARING OFFICER: Well, my only response to that is this is not your typical board of health proceeding where you have a longer advance time to receive information. You're operating against the clock in terms of the board's final decision.

MS. GUARINO: Understood. And that is the same for a septic variance, whereas the board of health has 45 days to act on that sewage disposal system application. So it's a similar time frame for what the board of health is looking for.

MR. TORRES: (Zoom audio

Page 150

work with that.

1 MR. CHAIRMAN: Don Utti? 2

MR. UTTI: I'm okay.

3 MR. CHAIRMAN: Dusty Meier? 4 5

MR. MEIER: I have a little concern, Stanley. These -- everyone involved in this has

had a very long time to review, and I imagine they've written up their lists and everything else;

so it's hard for me to believe that, with electronic mailing, they can't get it done 10

beforehand, to be honest with you. Thank you.

MR. CHAIRMAN: I would ask Terri 12 Guarino, professional staff. 13

MS. GUARINO: Yes. Thank you.

I do appreciate the sentiment of having some additional time up until the 14th;

however, I do think it would be best if we follow the board of health's typical procedures, which is posted on our web page, where the board of health

19 requires information to be submitted a week prior 20 to that meeting date.

21

So that is what we have done 22 historically for the board of health. It works 23

best for the board, as well as office staff.

distortion.) 1

THE STENOGRAPHER: Can't hear you. 2

THE HEARING OFFICER: We can't hear 3

you, Steve. 4

MR. TORRES: So there would be a

reasonable alternative, that there needn't be any written rebuttal prior to the hearing on the 16th. 7

There's going to be the opportunity for

cross-examination at that time on the materials and 9

also to voir dire what I have heard -- it's not 10

fact witnesses but expert witnesses -- and I would 11 encourage any party, accordingly, to put forward an 12

expert witness -- again, the board is not a

13 party -- that they would submit the curriculum 14

vitae with that purported expert so that the board 15 can make a determination as to -- the hearing 16

officer, you know, while --

(Stenographer requests 18 clarification.)

19 MR. TORRES: Okay. So what I'm 20

suggesting is that they -- that the -- as an 21 alternative, that perhaps there be, if necessary,

22 another day of hearing for the rebuttal if, in 23

fact, people think they need written testimony in

Page 152

17

Page 155

Page 153

response to the written submissions that are comingin on the 16th.

I certainly don't want to jam the board without enough time to evaluate the written submissions that are coming in on the -- prior to the 16th, on the 9th -- to not have adequate time to review those before the board because, if they're on top of those, there's a set of written additional submissions coming in that are responsive or rebuttative of those submissions coming in on the 9th. So they come in two days apart, what we're hearing, and that's just -- I

that's practical for their purposes.

Am I correct, Terri -- Ms. Guarino and Mr. Andrews? Am I correct that you're not just getting enough time with those submissions?

don't think what I'm hearing from the board is that

MS. GUARINO: I'd say, yes, that's correct.

MS. O'BRIEN: So may I make a suggestion? I think I'm going to follow up and say what you just said, Steve, except I was having a really hard time hearing you.

MR. TORRES: I apologize.

wasn't anticipating it would be anything except perhaps amplifying expert prefiled testimony or

perhaps amplifying expert prefiled testimony ofpresentation.

So, if we were to submit, as we're required, on the 9th, yet discover that there is an issue that one of our experts would like to be able to address, is it required that we submit that in advance, or may we raise that as an addendum to the expert prefiled testimony on the 16th?

And I don't know if this is an actual issue. I just want to make it available since we are now being required to present -- or, prefile the presentations prior to receiving the engineer's report. We were not discussing -- or I wasn't addressing cross-examination or rebuttal testimony. It's simply being able to provide the fullest presentation possible.

MR. TORRES: The hearing officer has -- the hearing officer has the right -- the hearing officer has the right to waive the requirement for prefiled testimony at any phase of the proceeding; so that is -- it's the discretion of the hearing officer.

To the extent -- I would suggest

Page 154

rage 104

that, to the extent that that's done, that you

allow this, Mr. Hearing Officer; then, again, as

3 Ms. O'Brien has carefully done, we reserve the

right for the need for any rebuttal to a third day if we need to.

If we hear something for the first time on the 16th and we don't have time to respond, you know, because there was no written prefile, that we would always reserve the right to put on additional evidence on a third day if the board or it's representative, or maybe the applicant, felt they needed to.

THE HEARING OFFICER: So let me understand this. If the ten citizens group expert has additional questions or concerns that need to be addressed, that they would be addressed by live testimony supplementing their prefiled direct on the 16th?

MS. GIANELLY: It's the only way that I see being able to ensure that the expert is able to address all issues raised in the event that the engineer's report raises something new.

Under the original prehearing order, we weren't required to prefile and we were prepared

MS. O'BRIEN: But what I was going to suggest is that there be no written submissions between the 9th and the 16th; that we receive what we receive on the 9th, which will be the consulting engineer's — the board's consulting engineer's report and any submission of the ten citizen group, assuming they meet the conditions imposed by the hearing officer; and that we do the live-action cross-examination at the hearing on the 16th.

And if, for some reason, somebody feels the need to submit something in rebuttal after that, then we request that the board continue the hearing to a third session and require the written rebuttal testimony to be submitted, basically, immediately.

That would be my suggestion -- that we have an expectation there would be no written submissions between the 9th and the 16th by anyone other than the two that you just mentioned.

MS. GIANELLY: I have a quick question. We weren't contemplating rebuttal. It's more just being able to respond to any issues -- or, address issues that might come up in the engineer's report of which we're not aware. I

Page 156

	ore mearing officer John P. Shea		1 Col ual y 2, 2022
	Page 157		Page 159
1	to read everything prior to the 16th and make	1	nonparty, is putting in, I know I personally
2	presentations then. But with the requirement that	2	appreciate.
3	we prefile the presentations by next Wednesday, I'm	3	So, with that, I would ask the chair
4	just wondering how we might handle a hypothetical	4	to call for a roll call vote to continue the public
5	situation where there is some extra information an	5	hearing until 4:00 p.m. on the 16th.
6	expert might want to offer.	6	Did we lose him?
7	THE HEARING OFFICER: Well, I say we	7	MR. CHAIRMAN: No. It's this new
8	offer it as direct rebuttal testimony on the 16th.	8	technology. That's why I like in-person hearings
9	MS. GIANELLY: Okay.	9	and meetings.
10	THE HEARING OFFICER: And if there	10	At this time I would entertain from
11	is not enough time to deal with that additional	11	a board member a motion to continue the hearing to
12	rebuttal testimony, then we can talk with the board	12	February 16, 2021, at 4:00 p.m. via Zoom.
13	about another session, if it can squeeze it in,	13	MR. MEIER: The 16th
14	before it needs to schedule a public meeting and do	14	MS. PRINCIOTTA: I'll make a motion
	its deliberations.		
15		15	to continue the public hearing to February 16th,
16	I think the other point that was raised I mean, although the chairman liked the	16	2022, at 4:00 p.m., and to adjourn.
17	idea of additional rebuttal written rebuttal on	17	MR. CHAIRMAN: No, not to adjourn.
18 19	the 11th, if that was submitted on close of	18	We're just continuing. MS. PRINCIOTTA: So I will make a
1		19	
20	business on the 11th, that doesn't do anything for the board's staff in terms of, you know, work	20	motion to continue the public hearing to February 16, 2022, at 4:00 p.m.
21	requirements and posting the materials and	21	MR. CHAIRMAN: Via Zoom.
22	distributing the materials. So I think the 11th is	23	MS. PRINCIOTTA: Via Zoom.
24	out for any written.	24	MR. CHAIRMAN: Do I have a second?
23	out for any written.	2.3	ivite. CIM metwork, Do I have a second:
	Page 158		Page 160
1	So I'm going to based upon this	1	MR. MEIER: Second.
2	discussion, I'm just going to say: Everyone get	2	MR. CHAIRMAN: I have a motion by
3	their required materials in on the 9th; we'll do	3	Barbara Princiotta, a second by William Meier.
4	additional direct live testimony, if necessary; and	4	Roll call vote. Don Utti?
5	during the course of the hearing, or at the end of	5	MR. UTTI: Yes.
6	the hearing, evaluate whether there's a need for	6	MR. CHAIRMAN: Barbara Princiotta?
7	additional written information that would require	-	MO DDDICTOTTA X
1		7	MS. PRINCIOTTA: Yes.
8	•	8	MS. PRINCIOTTA: Yes. MR. CHAIRMAN: William Meier?
8	yet another continued hearing. What do you say, Terri? I'm going		
	yet another continued hearing.	8	MR. CHAIRMAN: William Meier?
9	yet another continued hearing. What do you say, Terri? I'm going	8 9	MR. CHAIRMAN: William Meier? MR. MEIER: Yes.
9 10	yet another continued hearing. What do you say, Terri? I'm going to give you the vote here. What do you think?	8 9 10	MR. CHAIRMAN: William Meier? MR. MEIER: Yes. MR. CHAIRMAN: Stanley Andrews, yes.
9 10 11	yet another continued hearing. What do you say, Terri? I'm going to give you the vote here. What do you think? MS. GUARINO: That sounds great.	8 9 10 11	MR. CHAIRMAN: William Meier? MR. MEIER: Yes. MR. CHAIRMAN: Stanley Andrews, yes. We are all set. We are continued to
9 10 11 12	yet another continued hearing. What do you say, Terri? I'm going to give you the vote here. What do you think? MS. GUARINO: That sounds great. Thank you.	8 9 10 11 12	MR. CHAIRMAN: William Meier? MR. MEIER: Yes. MR. CHAIRMAN: Stanley Andrews, yes. We are all set. We are continued to the 16th at 4:00 p.m.
9 10 11 12 13	yet another continued hearing. What do you say, Terri? I'm going to give you the vote here. What do you think? MS. GUARINO: That sounds great. Thank you. THE HEARING OFFICER: All right. I	8 9 10 11 12 13	MR. CHAIRMAN: William Meier? MR. MEIER: Yes. MR. CHAIRMAN: Stanley Andrews, yes. We are all set. We are continued to the 16th at 4:00 p.m. Thank you, Attorney Shea. It's been
9 10 11 12 13 14	yet another continued hearing. What do you say, Terri? I'm going to give you the vote here. What do you think? MS. GUARINO: That sounds great. Thank you. THE HEARING OFFICER: All right. I will generate an email tomorrow commemorating this	8 9 10 11 12 13 14	MR. CHAIRMAN: William Meier? MR. MEIER: Yes. MR. CHAIRMAN: Stanley Andrews, yes. We are all set. We are continued to the 16th at 4:00 p.m. Thank you, Attorney Shea. It's been a pleasure. And we knew it was going to be a
9 10 11 12 13 14 15	yet another continued hearing. What do you say, Terri? I'm going to give you the vote here. What do you think? MS. GUARINO: That sounds great. Thank you. THE HEARING OFFICER: All right. I will generate an email tomorrow commemorating this agreement.	8 9 10 11 12 13 14 15	MR. CHAIRMAN: William Meier? MR. MEIER: Yes. MR. CHAIRMAN: Stanley Andrews, yes. We are all set. We are continued to the 16th at 4:00 p.m. Thank you, Attorney Shea. It's been a pleasure. And we knew it was going to be a four-hour session tonight. Thank you.
9 10 11 12 13 14 15 16	yet another continued hearing. What do you say, Terri? I'm going to give you the vote here. What do you think? MS. GUARINO: That sounds great. Thank you. THE HEARING OFFICER: All right. I will generate an email tomorrow commemorating this agreement. And I want to thank everyone. You	8 9 10 11 12 13 14 15 16	MR. CHAIRMAN: William Meier? MR. MEIER: Yes. MR. CHAIRMAN: Stanley Andrews, yes. We are all set. We are continued to the 16th at 4:00 p.m. Thank you, Attorney Shea. It's been a pleasure. And we knew it was going to be a four-hour session tonight. Thank you. THE HEARING OFFICER: All right.
9 10 11 12 13 14 15 16	yet another continued hearing. What do you say, Terri? I'm going to give you the vote here. What do you think? MS. GUARINO: That sounds great. Thank you. THE HEARING OFFICER: All right. I will generate an email tomorrow commemorating this agreement. And I want to thank everyone. You know, you did a stellar job tonight. And	8 9 10 11 12 13 14 15 16	MR. CHAIRMAN: William Meier? MR. MEIER: Yes. MR. CHAIRMAN: Stanley Andrews, yes. We are all set. We are continued to the 16th at 4:00 p.m. Thank you, Attorney Shea. It's been a pleasure. And we knew it was going to be a four-hour session tonight. Thank you. THE HEARING OFFICER: All right. Good night, everybody. Get some
9 10 11 12 13 14 15 16 17	yet another continued hearing. What do you say, Terri? I'm going to give you the vote here. What do you think? MS. GUARINO: That sounds great. Thank you. THE HEARING OFFICER: All right. I will generate an email tomorrow commemorating this agreement. And I want to thank everyone. You know, you did a stellar job tonight. And everyone's put in a ton of time before, during, and	8 9 10 11 12 13 14 15 16 17	MR. CHAIRMAN: William Meier? MR. MEIER: Yes. MR. CHAIRMAN: Stanley Andrews, yes. We are all set. We are continued to the 16th at 4:00 p.m. Thank you, Attorney Shea. It's been a pleasure. And we knew it was going to be a four-hour session tonight. Thank you. THE HEARING OFFICER: All right. Good night, everybody. Get some supper.
9 10 11 12 13 14 15 16 17 18	yet another continued hearing. What do you say, Terri? I'm going to give you the vote here. What do you think? MS. GUARINO: That sounds great. Thank you. THE HEARING OFFICER: All right. I will generate an email tomorrow commemorating this agreement. And I want to thank everyone. You know, you did a stellar job tonight. And everyone's put in a ton of time before, during, and I'm sure it will be after, in handling this.	8 9 10 11 12 13 14 15 16 17 18	MR. CHAIRMAN: William Meier? MR. MEIER: Yes. MR. CHAIRMAN: Stanley Andrews, yes. We are all set. We are continued to the 16th at 4:00 p.m. Thank you, Attorney Shea. It's been a pleasure. And we knew it was going to be a four-hour session tonight. Thank you. THE HEARING OFFICER: All right. Good night, everybody. Get some supper. MS. PRINCIOTTA: Good night. Thank
9 10 11 12 13 14 15 16 17 18 19 20	yet another continued hearing. What do you say, Terri? I'm going to give you the vote here. What do you think? MS. GUARINO: That sounds great. Thank you. THE HEARING OFFICER: All right. I will generate an email tomorrow commemorating this agreement. And I want to thank everyone. You know, you did a stellar job tonight. And everyone's put in a ton of time before, during, and I'm sure it will be after, in handling this. This isn't your run-of-the-mill transfer station site assignment, which is mostly what is happening these days in Massachusetts; so,	8 9 10 11 12 13 14 15 16 17 18 19	MR. CHAIRMAN: William Meier? MR. MEIER: Yes. MR. CHAIRMAN: Stanley Andrews, yes. We are all set. We are continued to the 16th at 4:00 p.m. Thank you, Attorney Shea. It's been a pleasure. And we knew it was going to be a four-hour session tonight. Thank you. THE HEARING OFFICER: All right. Good night, everybody. Get some supper. MS. PRINCIOTTA: Good night. Thank you. MR. UTTI: Good night. (Whereupon the hearing was adjourned
9 10 11 12 13 14 15 16 17 18 19 20 21	yet another continued hearing. What do you say, Terri? I'm going to give you the vote here. What do you think? MS. GUARINO: That sounds great. Thank you. THE HEARING OFFICER: All right. I will generate an email tomorrow commemorating this agreement. And I want to thank everyone. You know, you did a stellar job tonight. And everyone's put in a ton of time before, during, and I'm sure it will be after, in handling this. This isn't your run-of-the-mill transfer station site assignment, which is mostly what is happening these days in Massachusetts; so, you know, the care and attention that all the	8 9 10 11 12 13 14 15 16 17 18 19 20 21	MR. CHAIRMAN: William Meier? MR. MEIER: Yes. MR. CHAIRMAN: Stanley Andrews, yes. We are all set. We are continued to the 16th at 4:00 p.m. Thank you, Attorney Shea. It's been a pleasure. And we knew it was going to be a four-hour session tonight. Thank you. THE HEARING OFFICER: All right. Good night, everybody. Get some supper. MS. PRINCIOTTA: Good night. Thank you. MR. UTTI: Good night.
9 10 11 12 13 14 15 16 17 18 19 20 21	yet another continued hearing. What do you say, Terri? I'm going to give you the vote here. What do you think? MS. GUARINO: That sounds great. Thank you. THE HEARING OFFICER: All right. I will generate an email tomorrow commemorating this agreement. And I want to thank everyone. You know, you did a stellar job tonight. And everyone's put in a ton of time before, during, and I'm sure it will be after, in handling this. This isn't your run-of-the-mill transfer station site assignment, which is mostly what is happening these days in Massachusetts; so,	8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	MR. CHAIRMAN: William Meier? MR. MEIER: Yes. MR. CHAIRMAN: Stanley Andrews, yes. We are all set. We are continued to the 16th at 4:00 p.m. Thank you, Attorney Shea. It's been a pleasure. And we knew it was going to be a four-hour session tonight. Thank you. THE HEARING OFFICER: All right. Good night, everybody. Get some supper. MS. PRINCIOTTA: Good night. Thank you. MR. UTTI: Good night. (Whereupon the hearing was adjourned

Page 161 1 CERTIFICATE 2 COMMONWEALTH OF MASSACHUSETTS 3 BARNSTABLE, ss. I, Janet L. Wynne, CSR No. 131793, 4 Registered Professional Reporter, a Notary Public in and for the Commonwealth of Massachusetts, do hereby certify that the foregoing transcript, pages 4 through 160, is a complete and accurate 9 transcript of my stenographic notes. 10 I further certify that I am not related 11 to any of the parties to this action by blood or marriage and that I am in no way interested in the 13 outcome of this matter. IN WITNESS WHEREOF, I have hereunto set 14 my hand this 15th day of February, 2022. 15 16 17 Wenet L. Wynne, Notary Public My Commission Expires: 18 February 15, 2024 19 20 THE FOREGOING CERTIFICATION OF THIS TRANSCRIPT DOES NOT APPLY TO ANY REPRODUCTION AND/OR DISTRIBUTION OF THE SAME BY ANY MEANS UNLESS UNDER THE DIRECT CONTROL AND/OR SUPERVISION OF THE CERTIFYING COURT REPORTER. 21 22 23 24

Before Hearing Office	er John F. Snea	•		February 2, 202
	account (2)	Additionally (3)	74:22	19:12
*	91:4;95:4	45:8;72:1;78:22	affected (1)	air (7)
	accurate (1)	additions (1)	25:11	47:20;74:24;75:3,
***** (1)	69:19	22:13	affiliated (1)	13;76:15;78:1;95:2
4:5	ACEC (5)	address (14)	10:21	airplane (1)
т.5	73:21,21,22,24,24	19:7;28:9;67:15;	affirmative (1)	77:24
	acknowledge (3)	68:18;85:9;92:3;	29:3	airspace (4)
LL	4:19;10:3;36:18	99:8;106:11,14;	afternoon (6)	49:12,14;97:9;
[sic] (1)	acknowledged (2)	117:3;142:8;154:23;	4:7;11:7;25:21;	105:5
74:5	5:1,18	155:7;156:21	29:9;31:2;55:24	allow (12)
77.3	acres (9)	addressed (4)	again (47)	27:24;29:20;31:18;
A	6:14;56:11,12;	31:22;87:5;156:16,	7:8;11:14;35:11;	42:13,14;47:7;84:6;
A	70:4;73:14;126:20;	16	37:14;38:11;41:23;	123:14;128:15;
abandon (1)	127:1,7;128:24	addresses (2)	45:2;47:3;49:7;	138:17;141:7;156:2
47:7	acronym (2)	87:9;101:19	52:22;53:18;55:13;	allowable (1)
abbreviated (1)	93:17;124:1	addressing (1)	62:24;64:3,13,17;	116:24
91:1	acronyms (1)	155:15	65:21;68:16;76:11;	allowed (12)
ability (6)	29:16	adds (1)	77:10,15,20;81:4;	16:24;17:11;21:5;
11:23;32:4;41:12;	across (2)	132:22	83:12;84:5;85:5,7;	31:14;46:14;71:14;
95:2;135:3;140:19	74:1;112:17	adequate (7)	89:22;97:15;103:4,	100:2;107:4;110:15,
able (23)	Act (7)	27:14,17;78:22;	17;104:7;106:4;	22;111:18;148:12
10:16;37:17;43:10;	19:15;48:4;65:12,	91:13;138:1;140:22;	112:9;113:6;114:12;	allowing (3)
44:5;76:4;80:5;	15;73:16;115:18;	153:6	115:4;117:11,12;	137:10;141:22;
94:13;96:15;97:13;	151:20	adequately (2)	124:7;132:20;	137:10;141:22;
109:12,18;112:14;	acted (1)	20:16;59:7	134:18;138:19;	allows (5)
113:4,19;114:4;	8:24	adjacent (5)	141:17;149:18;	63:9;71:6;103:15;
142:11;148:18;	acting (1)	73:22;74:15;79:5,	152:13;156:2	118:1;148:13
149:22;154:22;	36:21	6,19	against (6)	almost (2)
155:6,16;156:20,21	action (2)	adjourn (2)	23:17;79:23;83:14,	60:23;84:18
above (6)	114:18;125:4	159:16,17	17;134:11;151:16	along (16)
66:23;103:8,17,18,	active (4)	adjourned (1)	age (2)	30:18;36:16,21;
21;131:5	57:14,19;75:14;	160:22	12:14;140:4	38:3;64:11;67:16;
absolutely (3)	77:5	adjust (2)	agencies (2)	69:16;71:17;95:8;
24:12;44:19;	actively (1)	139:6,7	19:1;48:1	98:5;108:15;115:8;
145:11	69:2	adjustments (1)	agendas (1)	129:1,1,1,3
absorb (2)	activities (2)	40:1	17:16	altered (1)
43:6;131:9	18:6;84:15	administrative (2)	agent (3)	93:12
abutters (3)	actual (2)	22:6;24:5	7:19,20;15:23	alternative (4)
8:8;74:17,22	120:21;155:11	administrator (1)	agents (1)	72:5,6;152:6,22
acceleration (1)	actually (12)	36:22	151:4	alternatives (1)
71:23	10:4;31:14;54:3;	admissibility (2)	agent's (1)	27:23
acceptable (5)	91:15,16;93:22;95:1;	15:7;23:7	144:18	although (5)
9:21;10:11;31:24;	98:17;100:9;114:17;	admit (1)	ago (9)	11:23;12:3;25:23;
32:7;100:5	133:2;140:13	23:3	43:16;50:15;51:9,	93:2;157:17
acceptance (1)	ADC (2)	admonishment (2)	16;62:12;72:1;76:3;	always (5)
7:2	94:12;108:24	70:21;73:6	128:22;131:1	44:7;95:4;107:16;
accepted (1)	add (2)	advance (5)	agree (5)	130:7;156;9
44:17	43:10;88:21	37:5;142:7;143:21;	140:7;146:4,15;	ambient (1)
accepting (1)	addendum (1)	151:15;155:8	148:11;149:18	76:15
106:19	155:8	advances (2)	agreed (2)	amend (1)
access (8)	addition (2)	37:12,13	136:21;141:13	70:3
12:11;71:1,14,19,	36:1;76:7	advantage (2)	agreement (2)	among (1)
21;72:2;78:11;117:9	additional (32)	41:22;42:13	44:6;158:15	88:12
accident (1)	7:4,18;9:18;13:24;	adverse (6)	agricultural (7)	amongst (1)
71:17	28:15,21;56:22;	67:19;72:16,19,22;	68:23;69:5,23;	13:6
accommodation (1)	63:11;76:13;79:17;	74:8,18	70:7,7;74:12;127:3	amount (2)
143:22	86:10,13,15,18,19;	advise (1)	Agriculture (2)	72:4;143:1
accomplish (1)	99:12;110:3;117:18;	144:8	67:10;69:2	amplifying (1)
141:8	120:23;126:22;	advisory (1)	ahead (8)	155:2
ccordance (1)	137:4;142:13;	46:4	38:10;44:14;81:19,	anaerobic (3)
104:21	149:11;150:16;	Affairs (1)	21;88:6;114:3;	44:4;95:20,22
ccordingly (1)	151:2;153:9;156:10,	20:11	122:14;123:10	analysis (10)
152:12	15;157:11,18;158:4,7	affect (1)	aid (1)	19:13;23:16;76:12;

	1			
79:15;91:10,13;92:4;	applications (8)	arena (1)	assurance-intensive (1)	
119:24;131:8,8	8:13;9:1;16:9;	123:22	132:16	В
Andrews (5)	19:24;53:2,2,5;58:11	argue (1)	assured (2)	В
4:8;6:9;11:6;	applied (2)	25:13	97:2;128:15	
153:16;160:10	93:11;117:10	argument (1)	ATC's (1)	bachelor's (1)
		15:11	47:17	51:24
annoying (1) 12:6	applies (3)			back (23)
	27:20;68:16;84:19	argyle (1)	ATO's (1)	18:4;53:14;72:5;
Annual (2)	apply (5)	33:15	47:17	73:24;80:10;91:10;
49:24;97:7	25:16;31:11;60:4;	around (8)	attached (1)	95:6;106:12;107:10;
annunciate (1)	87:14,15	67:4;77:5,6;79:2;	65:16	112:8;113:5;120:9;
85:15	appreciate (4)	87:20;113:21;	attachment (3)	124:8;129:21;
answered (4)	56:7;149:21;	124:19;132:22	55:4;77:1;120:17	132:14;133:15,16,20;
32:13;61:11;91:17;	150:15;159:2	artificial (1)	attained (1)	134:8,9;136:13;
115:10	appropriate (4)	145:16	76:14	146:10;147:14
anticipate (3)	21:1;54:14;100:14;	Asa (2)	attainment (2)	backed (1)
115:2;135:15;	145:21	37:2;135:20	75:11,11	126:10
141:22	approval (6)	ash (13)	attend (1)	background (8)
anticipated (2)	23:10;47:24;58:10;	45:6;46:10;77:11;	51:21	11:24;12:3;29:8;
70:18;75:1	103:2;124:17;137:10	91:6,18,22;95:6;	attention (1)	38:19;50:4;56:9;
anticipating (4)	approve (1)	96:6;97:1,6;105:17,	158:23	90:6,9
137:23;141:24;	32:23	18;115:8	Attorney (7)	backup (2)
148:5;155:1	approved (8)	assert (1)	8:24;9:8;29:2,12;	44:19;129:18
antiquated (1)	13:19;14:3,7,7;	72:11	136:18;141:13;	backyard (1)
140:3	48:16;102:20;	assessment (6)	160:13	48:14
anymore (1)	106:20;109:22	52:16,16;75:18;	attracting (1)	bacteria (1)
110:20	approximate (1)	88:16;125:13,15	77:13	107:7
apart (1)	105:4	assessments (1)	attractive (1)	bad (3)
153:12	approximately (4)	75:21	77:11	36:14;50:6;108:18
apartment (2)	7:6;80:9;120:4,8	asset (1)	attributes (1)	Barbara (6)
66:23;121:6	April (1)	128:5	102:23	5:14;6:7;126:12;
apologize (3)	44:21	assign (1)	Atwood (1)	149:16;160:3,6
73:8;91:2;153:24	aquifer (10)	79:11	29:12	Barlow (1)
appears (1)	62:5,7;63:20,21,	assigned (2)	audience (3)	5:9
38:3	22;64:4,9,15;117:24;	70:3;82:17	17:11,24;36:20	Barnstable (1)
applicability (1)	118:2	assignment (58)	audio (4)	76:14
83:15	area (61)	4:12;5:8;7:13;8:5,	11:1;118:9,16;	Barrett (48)
applicable (4)	6:11,16;41:8,22;	11,13,20;9:1;11:11,	151:24	30:23;31:18;32:5;
82:13;85:8;87:20;	57:11,12,17;58:8;	19,20;15:14,19;16:6,	August (1)	33:5,6,11,15,21,22;
101:15	61:4,4;62:4,8;63:20,	9;17:19,20,22;18:1,	48:18	34:2,7,14,21,24;35:4,
applicant (33)	24;64:7,22;65:4,7,11,	15;19:8,16,19;20:3,7,	authority (4)	13,16,21;36:1,4,12;
7:3;13:15,23;14:6,	13,14,18,21,22,24;	22,24;21:9,17;22:7;	8:18;15:15;18:5;	37:6,9,21;50:21;
9,10;15:24;16:18,19;	66:2;67:1,12,13,14,	25:4;29:20;30:4,6,	48:9	
17:3,23;19:11;20:5,8,	14;69:4;70:4,11,11,	12;32:24;38:23;	authorization (7)	86:18;87:7,10;88:23; 89:7;94:6;96:19;
12;21:4;22:11;25:6;	13,17,18;71:16;	41:11;42:11;53:2,15,	21:10,11;53:3,4;	09:7,94:0,90:19;
27:21;28:10;29:13;	72:23;73:13;77:5,18;	24;54:7;56:24;60:11,	58:10;100:17;101:10	97:5;98:3;106:15;
30:20;31:19;62:18;	79:1,6;84:16;93:5,	13;70:12,15,16,19;	authorizations (1)	110:8;111:3,12,15,
86:4,17;140:10;	10;97:2;103:12;	85:9,12;96:11,18;	47:18	20;122:3;123:24;
144:3,20;145:17;	10,57.2,103.12,	99:6;117:22;121:4;	authorized (2)	128:6,8;129:15;
146:13;147:19;	118:15;119:23;	158:21	26:20,22	130:13;133:8;135:17
156:11	127:15,17,17,19,24;	assignments (1)	availability (1)	Barrett's (4)
applicant's (3)	128:3;130:20	16:5	138:2	33:3;88:10,18;
27:15;29:3;145:4	areas (27)	assist (1)	available (4)	102:7
application (35)	6:19;38:17;57:13;	101:11	72:7;112:4;130:6;	base (10)
4:11;7:4,15;11:10;	59:14,24;60:1,17;	assistance (2)	155:11	59:21;67:12;74:15,
13:17;15:1,24;20:1;	61:3,12,18,19;62:10;	99:5;124:13	average (2)	17;78:1;87:21;88:1,
		•	6:20;71:17	11,13,14
21:3;22:15;24:4,17;	63:4;64:10;69:21;	associated (1) 105:5		Based (10)
30:12;31:9;40:15,16;	73:18;77:13;78:2;		award (1)	24:3,16;25:3;71:6;
48:10;53:15,23;54:6;	79:4,18;102:16;	assume (2)	98:5	105:7;108:14;
55:11;56:24;60:11;	117:10;118:6,20;	90:17;139:20	aware (2)	116:13;145:16;
61:15;66:9;73:13;	122:11;125:10;	assuming (2)	10:14;154:24	148:6;158:1
76:13;77:1;87:12,12;	126:23	147:18;154:7	away (6)	Basically (8)
96:14;100:17;	area's (1)	assurance (2)	12:20;35:10;54:2;	72:24;82:23;108:1,
120:16,18;151:21	78:21	102:23;132:8	61:23;78:3;96:10	5;109:6;134:21;
			<u> </u>	L

Before Hearing Officer	Juli F. Buea			rebruary 2, 2022
141:15;154:15	114:23;127:11;	120.17.120.2.144.5	h-d(1)	W 1 (2)
		120:17;130:2;144:5,	brings (1)	called (2)
basis (2)	129:3;133:16;146:20	12,18;147:20;	45:5	91:1;103:10
77:18,20	blessing (1)	151:16;154:5;157:21	broadest (1)	calling (4)
beat (1)	123:8	boat (2)	18:2	4:9;80:21;91:2;
96:3	blip (1)	45:15;142:23	brought (5)	136:1
became (2)	133:23	Bond (2)	44:13;113:2;127:6;	calls (1)
107:7;131:1	block (1)	7:23;99:2		
beforehand (1)			128:17;135:13	44:22
	50:19	bones (1)	Browning (1)	calm (1)
150:11	blockage (1)	132:13	94:24	105:18
began (1)	93:8	books (1)	brush (1)	came (3)
38:21	blocked (1)	110:21	42:19	43:16;94:7;107:10
begin (3)	75:6	boring (1)	buffer (4)	camera (6)
9:12;82:11;89:20	blue (6)	85:19	67:3;69:4;78:19;	35:6,10;50:15;
beginning (2)	61:21,21;67:11;	Boston (4)	126:22	54:3,4;81:4
10:5;60:9	70:3;127:4;130:21			
		8:22;29:12;98:18;	buffered (1)	campground (3)
behalf (2)	BOARD (147)	130:21	76:23	66:14,22;121:6
27:8;31:19	4:2,8;5:17;7:14;	both (7)	build (4)	campgrounds (1)
behind (1)	8:14,17;9:3,7,21;	31:15;32:12,15;	44:2,10;108:2;	66:14
98:16	10:20;11:7,14;12:17;	53:1;97:3;130:16;	134:24	Can (77)
below (2)	13:1,12,18;14:1,2,6,	137:19	building (5)	10:3;14:13;16:14;
71:17;76:5	9,16;15:2,17,21;	bothers (1)	66:17;121:13;	17:2,12;21:14;26:15,
belt (1)	16:18,23;17:12,21,	95:12	123:5;132:9,10	
46:17			145:5;154:9,10	23;27:22;33:18;
	23;18:15,22;19:12;	bottom (7)	buildings (1)	36:13;37:14;40:23;
benefit (6)	20:3,23;21:8,13;22:9,	10:7;38:7,12;	121:11	47:6;48:23;49:5;
4:22;17:24;38:1;	15;24:12,13,13,19;	64:21;65:6;105:17;	build-out (1)	50:14,17,23;54:11,
85:22;120:17;137:16	25:7;27:24;28:11,15;	131:3	57:19	23;57:9,22;60:18;
benefits (2)	29:10;30:7,17;31:21,	Boulevard (4)	built (6)	61:16;62:18;63:14;
42:16;47:2	24;32:3,23;33:24;	34:16,19,23;53:8	93:5;113:3,19;	78:9;80:4;81:21;
bentonite (6)	36:3,19,20;38:22;	boundary (1)	119:16;130:3,4	
103:9;131:14,18,	44:13;46:2,3,12;47:4,	78:18		89:24;90:3,14;92:15,
			built-in (1)	16;97:1;99:22;100:6;
20,23;134:15	5;55:18,23;56:7;	BOURNE (37)	39:23	103:3;104:4,12;
Bentonite's (1)	59:21;62:11,20;	4:2,8,10,16;9:19,	bunch (2)	105:4,19;106:10;
131:14	64:13;66:10;79:10;	24;10:2,24;11:9,14;	44:23;113:21	110:1;111:8;112:14,
Best (5)	80:4,6;82:9;83:11,	20:1;24:21;29:15;	burden (2)	19;115:6,13;116:1;
9:5;64:16;117:8;	16;84:12,19;85:11;	37:24;38:20,21;39:3,	147:10;151:2	117:1,10,19;118:4;
150:17,24	86:6,6,16,17;88:17;	16;40:8,8,17;45:6,11;	burn (2)	121:2,24;122:3,4,4;
better (9)	89:14,18;99:4,10;	48:19;53:8;62:11,20;		
37:16;43:18;44:11;			94:11,13	124:3,7,22;129:11;
	100:15;101:1,11;	63:5,10;67:2;68:4;	burrowing (1)	131:24;133:2;
90:4,5,7;122:9,10;	110:10,17;118:4,12;	73:24;99:4;112:18;	77:9	134:13;135:1;
123:15	119:8;120:14,19;	119:9;120:6;122:11	Business (7)	137:11;139:10;
beyond (4)	125:4;126:1,4;130:4,	Bourne's (2)	9:6;42:20;49:9;	145:23;148:24;
43:14;46:22;67:4;	6,10;135:12,14,14;	34:3;39:12	139:21;146:17;	149:23,24;152:16;
116:20	136:21;139:1,5,11;	box (1)	149:12;157:20	157:12,13
bifurcated (1)	140:2,11,22;143:2;	115:12	busy (1)	cap (2)
13:13	144:7,13,14;145:10;	Boyd (2)		
big (4)		• • •	57:7	6:22,22
	146:18;147:1,7,7,8,	113:2,2	buy (2)	capabilities (1)
39:4;94:16;95:3;	10;148:14,17;	break (4)	95:23;133:2	85:5
122:19	149:14;150:18,19,23,	12:19;17:8;80:4,22	BWP (1)	capacity (14)
bimonthly (1)	24;151:13,20,22;	breaks (2)	54:6	7:4;42:19,22;43:5,
47:20	152:13,15;153:4,7,	43:1;145:22		5;45:2;57:3;91:14;
binding (1)	13;154:12;156:10;	brevity (1)	\mathbf{C}	94:2;97:16,17;98:8;
24:12	157:12;158:24;	80:20	-	105:14;121:11
binds (1)	159:11	Brewster (1)	C&D (7)	Cape (25)
132:22	board' (1)	45:6		
Bird (1)	140:8		42:17;43:21;94:7;	8:6;40:18;43:9;
		brief (3)	106:20;110:19,22;	44:15,18;45:19;47:2,
	boards (4)	17:24;25:14;36:13	112:1	16;48:4,8,18;60:10;
bit (23)	10:17;16:11;17:19;		calculated (1)	62:7;63:8;65:2;
14:23;17:18;23:11;	18:4	34:11	134:12	67:13;68:9;74:15,17;
38:19;40:2,21;41:21;	board's (21)	bring (2)	call (9)	76:7;78:1;87:21;
43:11;55:19;73:4;	7:22,23;13:18;	108:3;135:18	5:6;6:3;17:9;	88:11,13;137:19
76:12;90:12;95:10;		bringing (3)	132:13;135:24;	capped (2)
97:7;110:12;111:23;	21:4;55:15;85:22;	91:21;135:11;		
112:2;113:18;			139:22;159:4,4;	57:13;110:4
112.2,113.10;	89:23;92:18;102:13;	141:9	160:4	care (5)

25:19;26:2,7,9,17;	14:14,15;44:16;	84:10
15; 25:19;26:2,7,9,17;	14,14,13,44,10,	
		comfort (1)
5;148:11; 27:6,8,14,17;28:2;	57:13;64:5	18:17
2,4,12; 137:11;138:9;141:4;	closely (1)	
:7,17,22, 142:1;145:6;154:6	74:20	coming (12)
8,10 citizens (8)	closer (1)	40:23;91:20;95:21;
25:2;138:19;	81:4	106:24;108:11;
139:16;142:23;	closest (1)	112:12;119:2;
1) 143:24;147:21;	73:24	148:19;153:1,5,9,11
149:7;156:14	closing (1)	commands (2)
city (1)	14:15	88:1;89:3
98:18	cloud (1)	commemorating (1)
civil (5)	143:4	158:14
15:6,17;51:24;	CMR (17)	commenced (2)
98:23;123:24	7:13;15:16;16:7;	13:15;21:21
50:1,2, clairvoyant (4)	19:21;20:20;22:17;	commencement (5)
9,11; 91:16;92:7;98:5;	23:18,20;24:1;25:5,	14:19;21:17,18;
;76:9; 114:11	15;26:1,21;27:3;	22:16;25:20
115:14; clarification (13)	28:9;30:7;103:6	comment (8)
:5,7; (66:20;84:3,22;	Coast (1)	22:18,19,23;89:8;
90:2,22;91:24;104:2;	87:24	128:18;137:21;
	Cod (23)	142:4;147:3
117:15;118:11,18;	8:6;40:18;44:15,	comments (3)
119:21;144:10;	18;45:19;47:2,16;	22:15;105:11;
152:19		121:16
clarify (4)	48:4,8,18;60:10;	Commission (9)
92:10,14,17;	62:7;65:2;67:13;	47:16;48:5,8,19;
122:2 147:18	68:9;74:15,17;76:7;	60:10;65:2;68:10;
clarity (4)	78:1;87:21;88:12,13;	76:8;137:20
8:13; 99:10,12;127:12;	137:19	commissions (1)
130:11	codified (1)	16:12
(2) classification (1)	19:21	commitment (1)
:7 125:14	cold (1)	39:12
d (1) classified (1)	36:14	
124:24	collaborate (1)	commitments (1) 97:11
clay (10)	11:14	committee (4)
103:7;130:18,18;	colleagues (1)	
131:3,4,11,12,13,14;	5:7	46:3,4;47:5;48:16
134:18	collect (2)	communicated (1)
clean (2)	106:5;116:4	
:10,16 58:7;108:4	collected (3)	communication (1)
clean-outs (1)	58:19;59:6;111:8	88:11
117:8	collecting (2)	communications (2)
cleanup (1)	108:2;109:10	12:14;89:3
18; 115:6	collection (10)	communities (4)
1 clear (4)	52:14;58:15,21,24;	45:5;72:20;82:8;
15:12;93:2;141:18;	59:2,4;75:14;77:21;	87:20
148:2	93:19;103:21	Community (4)
clearly (2)	collective (2)	4:16;88:14,22;
17:6;85:16	26:6,9	127:24
CLF (6)	collectors (2)	companies (1)
22:23;26:20;27:8;	109:5;110:2	122:19
105:11;140:12;142:4		company (3)
climate (1)	51:21	44:6;51:10;114:16
76:9	collision (1)	compatible (1)
climb (1)	71:16	58:13
96:7	colonial (1)	compelling (1)
clock (1)	18:4	24:14
151:16	color (1)	compensated (1)
close (10)	113:14	146:24
e (1) 25:14;105:22;	colored (1)	competing (1)
111:7;113:8;128:22;	61:18	83:14
139:20;146:17;	combination (1)	competition (2)
149:1,12;157:19	103:13	43:8,11
closed (5)	combustion (1)	complaining (1)
	111:7;113:8;128:22; 139:20;146:17; 149:1,12;157:19 closed (5)	111:7;113:8;128:22; 61:18 139:20;146:17; combination (1) 149:1,12;157:19 103:13

Before Hearing Officer	Juni F. Shea	· · · · · · · · · · · · · · · · · · ·		10014413 -, -9
100.16	71 10	(12)	contaminants (2)	141:2
123:16	71:12	consideration (12)	contaminants (2)	
complaints (1)	concur (1)	62:14;71:5;75:7;	65:14;124:20	copy (1)
111:2	100:18	82:10,15,21;83:12;	contaminated (2)	88:11
complete (2)	concurrence (1)	84:24;138:11;141:6;	125:6,8	correctly (1)
27:23;40:16	13:12	151:7,11	contamination (4)	26:1
completed (2)	condition (3)	considerations (2)	63:24;82:15,24;	correspondence (2)
136:18;149:1	63:2;111:11;129:8	83:18;143:4	83:2	73:12;120:18
		considered (3)	contemplate (1)	corridor (1)
completely (1)	conditional (1)	66:16:79:8:139:1	143:19	64:11
42:4	137:10	, ,		counsel (10)
compliance (7)	conditionally (1)	considering (1)	contemplated (1)	
5:3;8:8;21:6,12,22;	25:21	75:8	53:22	7:22;12:24;13:1;
37:1;111:10	conditions (7)	considers (1)	contemplating (1)	23:8;25:6,6,7;28:10;
complies (1)	18:16;76:19;77:1;	15:3	154:21	89:14,23
20:16	118:2,4;137:10;	consist (1)	Contingency (1)	Counselor (2)
comply (1)	154:7	69:9	62:6	33:7;37:19
148:23	conduct (6)	consistent (4)	continue (23)	country (3)
	13:13;15:20;16:13;	58:12;68:10;	39:3;42:14;43:21;	113:21;122:12;
components (1)			45:20;46:17;82:1;	135:23
116:16	51:4;69:14;75:22	102:18;124:17		
composite (16)	conducted (8)	consisting (2)	83:23;85:2,4;96:3,6;	County (1)
40:10;42:5;58:16;	7:11;12:2,10,23;	59:17;103:7	102:11;122:20;	76:14
68:2,5;93:15;100:2,3,	16:3;71:8;75:18,19	consists (2)	123:6;132:2;136:4;	couple (7)
4,6,22;103:6;104:15,	conducting (7)	59:11;70:4	145:11,19;154:12;	11:22;45:13;52:17;
20;117:1;130:15	8:13,16;12:1;	constant (1)	159:4,11,15,20	87:19;106:17;
compost (1)	19:13;32:6;68:5;	75:5	continued (9)	126:16;139:24
84:1	88:17	constitute (5)	13:22;14:14;27:20;	course (5)
		30:9;56:16;71:3;	84:6;137:2;139:2,11;	61:8;86:7;98:18;
composting (7)	cone (1)		158:8;160:11	145:22;158:5
6:24;48:24;84:6,	116:21	75:3;76:20		court (1)
14,15;85:3;97:13	conference (1)	constitutes (1)	continues (1)	
comprehensive (1)	13:5	130:1	123:14	15:17
15:12	conferences (1)	construct (7)	continuing (3)	cover (24)
compressed (1)	12:24	21:11;47:18;53:4;	38:24;135:15;	11:17;37:8;57:14;
140:21	configuration (1)	56:21;58:11;100:17;	159:18	77:9,16,16,17;93:9,
comprise (1)	71:19	101:11	continuous (2)	11;105:13,21,21;
26:18	confirm (4)	constructed (2)	40:3;47:24	106:3,19,23;108:5,7
concentration (3)	10:10;104:13;	71:21;106:3	contract (1)	14,18;109:19;110:3,
	115:14;121:2	construction (7)	45:10	5,19;117:10
75:9;76:5;114:2		68:12;94:8;96:13;	contracted (1)	covered (2)
concentrations (2)	confirmation (1)			77:19;78:12
124:18,21	115:21	102:21,22,24;103:20	69:12	
concepts (1)	confusion (1)	consultant (2)	contracts (1)	covering (3)
53:17	105:1	96:23;98:12	77:12	77:19;109:17,17
conceptual (1)	congestion (2)	Consultants (1)	contrary (1)	COVID (2)
101:18	71:5,9	124:1	24:14	5:5;128:3
conceptually (1)	conjunction (1)	consultations (1)	contributes (1)	crashed (1)
58:4	70:8	13:4	83:21	107:16
concern (9)	connected (4)	consulting (4)	control (3)	create (2)
27:9,13;67:15;	62:22;119:9;120:6,	99:2;123:22;154:4,	12:11;18:2;59:8	82:24;147:10
	-	5	controlled (3)	creation (1)
72:17;73:19;100:19;	7			76:16
137:16;142:5;150:5	Consensus (1)	consume (1)	77:4,8,15	
concerns (2)	45:23	148:18	controlling (1)	credentials (1)
87:4;156:15	consent (1)	contacted (2)	81:8	39:21
concert (1)	139:7	87:22;89:10	convenience (1)	credit (1)
119:8	Conservation (8)	contain (2)	18:18	78:4
conclude (3)	22:20;24:23;25:7;	102:8;106:6	conventional (1)	criteria (53)
143:9;145:12,24	67:12;68:21,22;	contained (9)	79:20	16:8;17:17;18:21;
concluded (1)	74:12,13	13:4;30:6;47:12;	conversation (1)	19:21;21:1,7;23:18,
	conservative (2)	49:14;66:13;132:19;	124:14	19,20,22,23;24:1,17
75:21		138:17;140:13;142:3	convey (1)	28:9;30:5,13;31:11;
concludes (3)	65:9;116:21	-		59:18,20,22;60:4,7,
23:4;86:21;125:17	conservatively (1)	containment (3)	133:10	
conclusion (8)	97:8	65:7,19,22	Cooper (1)	12,16;61:11,13;62:2
	conserving (1)	contains (1)	124:3	63:16,18;66:11;67:3
14:12;32:20,21;				
14:12;32:20,21; 63:15;73:10;83:3;	97:9	129:19	cooperative (3)	8,15;68:16;70:24;
63:15;73:10;83:3;	97:9	129:19 contaminant (2)	cooperative (3) 63:9,9,12	71:8;72:14;81:17;

Before Hearing Officer John F. Shea					
0640071004		76:8;95:18,22;	47:17;58:10;64:5;	99:22;100:11,12	
86:1,2;87:1;92:4;	_	106:3;108:21;157:11	67:22;68:8,13;82:23;	detail-reviewed (1)	
100:12;101:5,9,15;	D	dealing (1)	87:13;103:1;104:8;	102:20	
116:9;138:12,16		140:20	105:21;106:20;	details (2)	
criterion (23)	Daily (7)	decade (1)	109:22;112:1;114:6;	102:12;136:11	
62:15;64:18;65:10,	50:1;77:6,16,18,	83:22	117:3,24;124:19;	detected (1)	
16,24;66:6;68:14;	20;90:16;105:21	Decades (2)	125:10;142:4	124:21	
69:24;72:12;73:17;	damage (1)	47:9;52:17	DEP-approved (1)	detection (1)	
74:4,23;78:13;79:3,	28:5	deceleration (1)	102:19	58:17	
24;83:9;84:8;85:5;	Dan (6)	71:23	Department (19)	detects (1)	
115:13;117:22;	50:8;57:2;68:3;	December (3)	29:14;30:24;33:13;	129:16	
120:4,11;121:2 critical (3)	93:21;115:9;130:6	13:2;55:12;128:19	34:4,6,13;39:10,19,	determination (6)	
48:20;67:14;73:18	danger (5)	decide (3)	24;48:2;50:19;67:10;	82:16;100:15,16;	
cross-examination (7)	30:9,14;61:1;75:4;	20:23;83:13;149:3	79:9;82:9;83:11,16;	101:12;116:19;	
16:22;31:17;	76:20	decision (14)	84:11,20;151:3	152:16	
147:23;148:8;152:9;	dangerous (1) 18:7	7:17;8:20;14:18;	Department's (1)	determine (3)	
154:9;155:15		15:18,23;25:23;28:1;	71:16	69:8;101:14;	
crossroads (1)	Daniel (5) 30:22;33:5,6,21;	30:19;39:4,7;59:21;	departure (1)	121:11	
46:6	35:13	139:5;140:23;151:17	141:10	determined (16)	
cross-sections (1)	Dan's (1)	decisions (2)	depending (2)	23:1;24:5;60:8,12;	
92:17	56:2	19:5;34:17	86:13;113:23	64:4,8;68:20;70:8;	
cruising (2)	dash (1)	declined (1)	deploys (1)	71:2;72:15,21;73:11,	
108:14;115:7	67:4	95:7	111:6	19;74:7;82:23;	
CSA (1)	dashed (1)	decreased (1)	deposition (15)	128:24	
124:17	70:9	76:1	59:24;61:1,5,7,9;	determining (4)	
cubic (4)	database (1)	dedicated (1)	62:4;63:19;65:13,18,		
49:12;57:4;58:6;	72:21	71:21	22;66:2;67:17,18;	develop (4)	
105:3	date (5)	deemed (3)	69:6;78:21	114:6;124:6; 135:18;136:3	
cumbersome (1)	20:8;27:2;145:11;	18:6;68:23;69:1	DEP's (3)	developed (3)	
112:5	148:16;150:21	defect (2)	75:18;87:2;103:5	112:20;118:7;	
cumulative (2)	dated (6)	26:15,23	describe (7) 20:6;34:10;102:13;	136:8	
75:17;83:4	13:5;23:13;24:22;	deficient (1)	106:13;117:2;118:4;	developing (5)	
cure (1)	54:8,23,23	18:19	129:11	94:24;97:13;	
109:11	dates (1)	define (1)	describing (1)	121:20;123:4,19	
cured (1)	18:3	62:6 defined (3)	132:18	development (9)	
26:16	dating (1)	82:11;83:13;	description (1)	37:1;38:24;39:3;	
current (11)	55:11	119:15	102:8	40:13;47:22;48:10;	
19:23;34:1,2;	Dave (4)	definitely (1)	design (20)	52:15;58:12;123:3	
42:16;49:19;56:24;	129:23;130:10;	130:13	53:2;58:9;65:5,8;	devoted (2)	
68:7;69:23;70:18;	133:21;137:7	deliberate (3)	68:10;99:23;100:12,		
96:16;115:4	Dave's (1)	14:16;28:1;140:22	21;101:3,6,9,18;	difference (2)	
currently (11) 6:12,17,20;29:24;	141:4	deliberations (1)	102:10,15,18,19;	17:10;129:4	
42:6,7;43:4;53:22;	David (3)	157:15	103:4,6;104:8,15	different (10)	
56:12,19;99:1	7:22;98:22;99:20	delineated (1)	designated (6)	16:10;40:2;60:6;	
curriculum (1)	day (19)	73:13	26:24;58:1;63:20;	63:7;68:17;95:17;	
152:14	6:21,22;7:2;27:11; 35:15;39:16;45:1;	deliver (1)	67:10,12;84:20	105:17;122:9;130:1;	
curve (2)	63:13,15;66:5;	142:14	designations (1)	139:24	
94:20,21	113:11;124:14;	delivered (1)	127:3	difficult (3)	
curves (2)	139:21;140:4;	142:4	designed (4)	73:9;123:12;	
95:7;96:6	139:21;140:4; 146:23;149:1;	delta (1)	17:15;53:1;71:21;	130:19	
cushion (1)	152:23;156:4,10	126:21	131:15	difficulties (1)	
130:9	days (9)	demolition (1)	designing (1)	145:2	
cut (4)	14:18,20;21:19;	94:8	101:18	digest (1)	
51:12;90:9;132:12,	114:20;133:18,19;	demonstrated (2)	desire (1)	149:19	
14	151:20;153:11;	43:24;67:21	12:13	digester (2)	
cut-off (1)	151.20,133.11,	demonstrates (1)	destroyed (1)	95:20,22	
117:12	deadline (4)	25:10	111:8	digestion (1)	
cutting (1)	21:23;27:16,20;	demonstrating (1)	destruction (3)	44:5	
123:18	145:16	76:5	59:8;75:15;77:23	diminishing (1)	
cutting-edge (1)	deadlines (1)	Dennis (1)	detail (2)	45:2	
121:20	149:23	45:7	20:6;85:24	dinnertime (1) 86:8	
	deal (6)	DEP (20)	detailed (3)		

sefore Hearing Officer	JUIII F. SHEA			
Jima (1)	12:5	67:13;103:12,22	Eastham (1)	42:19;128:2
dire (1)		drains (1)		emerging (1)
152:10	distributed (3)		easy (1)	114:7
direct (16)	89:6,8;151:4	61:8		Emission (2)
13:8;27:7,9,15;	distributing (2)	draws (1)	45:2	
30:21;35:13;54:22;	151:8;157:23	77:21	economic (1)	75:23;111:9
55:8,15;87:8;88:10,	distribution (1)	drill (1)	95:8	emissions (3)
18;133:4;156:17;	87:23	109:13	economy (2)	47:20;75:1,9
157:8;158:4	District (3)	drilled (1)	95:9;107:15	emphasized (1)
directed (3)	63:6,10;119:12	131:21	edge (3)	121:19
19:14,20;38:6	diversion (1)	drinking (14)	121:11;123:18;	employed (1)
	45:14	61:3,6;62:9;63:4;	129:2	51:6
direction (3)			effect (4)	employee (1)
35:18;135:23;	divert (1)	64:1,2,10,17;116:12;	42-2-70-15-95-12-	15:23
138:5	117:17	118:7,14,21;119:11;	43:3;70:15;85:12;	
directional (2)	divided (1)	125:9	141:14	employees (1)
133:2,3	38:8	dropped (1)	effective (1)	99:3
directly (5)	document (2)	95:10	68:24	employers (1)
26:5;45:4,8;84:13;	35:12;54:12	dry (2)	efficient (4)	135:12
87:1	documentation (1)	12:10;78:10	31:18;32:15;49:2,2	employment (2)
	75:20	due (4)	effluent (2)	34:1,2
disagree (1)	documented (1)	5:9;63:24;69:17;	113:4,12	en (1)
24:13				23:3
discharge (2)	103:1	128:3	effort (3)	
60:24;67:21	documents (8)	dumping (2)	87:16;143:3;	enacted (1)
discover (1)	12:12;22:7,9;23:7;	127:24;128:4	148:22	18:13
155:5	24:4;26:11;30:18;	dumps (1)	efforts (2)	encapsulated (1)
discretion (1)	124:17	18:10	45:14;53:12	134:15
155:22	dollars (3)	during (16)	eight (1)	encourage (1)
discuss (4)	122:4,5;123:3	8:18;19:18;22:8,	145:18	152:12
27:22;67:11;100:1;	Don (7)	10,21;23:7;39:6;	EIR (1)	end (6)
	5:12;6:2,5;119:3;	78:9;87:11;99:6;	48:12	18:18;28:7;112:24,
111:8			either (8)	24;136:2;158:5
discussed (1)	126:5;150:2;160:4	102:22;115:21;	14:13;32:6;45:4;	endanger (1)
117:24	done (20)	145:22;151:5;158:5,		
discusses (1)	10:16;43:19;79:22;	18	57:14;60:18;93:9;	101:15
111:5	85:22;88:1,13;91:9;	Durning (1)	126:14;140:15	endangered (7)
discussing (2)	114:9;119:23;124:2,	8:23	EJ (3)	72:17,18;73:11,15,
67:7;155:14	11;128:20;135:10,	dust (1)	87:14,20;88:22	16;115:15,18
discussion (4)	21;146:17;149:22;	78:9	elected (1)	endurance (1)
87:3;96:10;146:10;	150:10,22;156:1,3	Dusty (2)	13:13	85:15
	Donnely (3)	126:8:150:4	electricity (2)	Energy (3)
158:2		1	94:22;95:9	20:10;43:2;46:4
discussions (2)	38:4,6,12	dwellings (1)		Engineer (17)
145;10;148:6	double (11)	66:4	electronic (3)	
dispersion (1)	40:10;42:5;58:15;	dwindling (1)	26:14;141:15;	7:23,24;13:19;
75:9	68:2,5;93:4,6,15;	97:17	150:10	14:4;16:20;21:5;
displaced (2)	100:21;104:14,20		electronically (1)	31:1;52:8;79:16;
41:18,18	down (16)	\mathbf{E}	17:2	98:23;144:5,5,6,12
disposal (12)	57:9;58:5;70:22;		elemental (2)	22;145:3,4
	73:4,7;76:4;108:7;	earlier (5)	113:8,14	engineering (5)
7:1;24:7,10;42:16;		9:16:25:19:45:24;	elevation (2)	51:24;52:5;96:23;
58:22;79:5,7;97:16;	114:1,2,3;127:6;		56:15;65:4	99:2;123:22
98:7;116:1,3;151:21	129:18;130:8,8;	86:11;93:3		
disruptions (2)	132:5;133:3	early (6)	elevations (2)	engineer's (13)
42:20,23	downgradient (16)	18:19;39:2;49:23;	64:23;104:5	13:9;27:10,19;
disservice (1)	59:15;62:10,13,17,	57:6;91:10;120:9	elimination (1)	142:6,6,12,24;149
148:16	21;63:1;64:6,7,9,14;	early-early (1)	28:6	154:5,5,24;155:14
distance (2)	116:13;118:6;	136:14	else (4)	156:22
61:23;78:17	119:14,19;125:5,9	earthquake (1)	9:13;104:10;	engines (2)
•	downward (1)	131:8	146:22;150:8	95:3,3
distances (2)			email (14)	England-based (1)
59:24;126:23	124:18	easement (1)	22:18;24:21;26:4,	99:2
distinguish (1)	DPW (1)	38:4		
144:4	39:15	easier (1)	10;140:7,11,12;	enjoy (2)
distinguishing (1)	Dr (1)	55:20	141:1,8,15,22;	43:9;130:14
37:14	113:2	easily (1)	142:15;151:2;158:14	enjoyment (1)
	drain (1)	137:12	emailing (1)	74:9
distortion (3)				1 . (4.6)
distortion (3)		east (1)	140:9	enough (13)
distortion (3) 118:9,16;152:1 distracting (1)	134:9 drainage (3)	east (1) 127:6	140:9 emergency (2)	enough (13) 32:17;80:18;85:16

	or outh F. Shea			February 2, 20
97:10,20;107:10;	evaluate (4)	exceeding (1)	expectation (3)	fabric (3)
108:19;109:17,18;	5:7;8:18;153:4;	124:21	129:23;141:18;	
135:22;153:4,17;	158:6	Excellent (3)	154:17	131:19;132:21;
157:11	evaluated (4)	36:7;56:3;92:12	1	134:15
ensure (4)	23:16;30:5;59:18;	except (2)	expected (3)	face (1)
14:24;118:5;121:5;	125:3		139:17,18;140:16	26:10
156:20	evaluating (3)	153:22;155:1	expense (1)	facilities (34)
enter (1)		exceptions (1)	119:12	16:5;18:3,12,14;
71:23	19:10;82:7;125:15	62:8	expenses (1)	30:1;34:15,20;41:15
	evaluation (4)	excluded (1)	97:10	43:2,4,11;45:19;
Enterprise (4)	13:9;20:3;59:16;	64:1	experience (1)	49:3;53:1,3;58:3,13
9:19,24;10:2,24	91:9	Excuse (1)	105:8	15,23;59:22;60:5;
entertain (1)	evaporating (1)	27:4	experienced (2)	66:4,6,17;68:13,17;
159:10	95:16	excuses (2)	39:20;111:1	76:11;78:5;82:6,8,
entire (1)	even (9)	108:20;110:14	expert (12)	22;95:1;106:21;
72:2	17:20;55:20;74:11;	Executive (1)	142:8,13;147:20;	112:22
entitled (2)	75:24;96:7,17;133:7	20:10	149:7;152:11,13,15;	
35:12;144:2	8;148:21	exempt (2)		facilities' (1)
entrance (1)	evening (6)	73:14;115:17	155:2,9;156:14,20;	42:24
71:22	36:12,19;86:5;	/3:14;115:1/	157:6	facility (66)
environment (14)		exhibit (6)	experts (5)	4:14;6:24;11:13;
24:16;28:6;30:10;	126:6;136:19;145:22	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	123:21;138:1;	24:7,11;31:10;36:24
	event (3)	18	141:23;145:6;155:6	38:18;39:14;40:12,
71:4;74:8;75:5;	96:24;129:13;	exhibits (4)	expire (1)	22;42:14;43:1,20;
76:21;82:20;83:7;	156:21	22:12,24;23:2;55:8	52:7	44:3;45:22;46:7;
101:16;107:6;	everybody (3)	exist (3)	expires (1)	47:22;48:19;53:7,12
123:13;134:2;138:8	114:8;140:15;	57:24;74:11;78:4	14:20	56:10;57:24;58:9;
environmental (22)	160:17	existing (36)	explain (6)	
8:23;9:3,5;19:1,15;	everyone (14)	4:12;6:19;11:11;	100:5;105:16,19;	59:5,19,22;60:24;
20:11,13;31:1;39:22;	11:24;50:16;54:11;	29:19,21;49:3;54:7;		62:13;64:3;66:15;
47:9,24;48:1,3,4;	122:10;139:4;140:6;	57:18,20,22;58:13;	124:22;128:20;	73:23;74:1,4,5;75:2
51:7;59:9;67:14;	141:18;143:3;	50.2 4 6.60.20.61.2	130:11	76:18;78:14,17;79:6
69:13;73:19;87:4;	146:10,15,22;150:6;	59:2,4,6;60:20;61:2,		14;82:12,19;83:1,6,
88:14;123:24	158:2,16	10;62:9,16;63:3;	130:7	15,19,20,24;84:5,11;
environmentally (3)		79:14,19,23;82:6,21;		85:2,9,10;91:11,12;
	everyone's (1)	83:6,20;85:3;93:7,	38:17;48:7;99:22	94:5,7;97:14,20;
40:19;60:1;72:20	158:18	14;104:5,20;115:24;	exposed (2)	103:3;113:16;123:5;
EOEEA (1)	evidence (19)	117:8;129:8;131:5	77:19;107:5	127:13,14;128:13
20:14	8:18;13:24;14:11,	exists (1)	express (1)	facility's (2)
EPA (2)	14;15:4,7,10;21:6;	63:2	122:7	23:17,21
62:6;104:15	22:5;23:14;24:9,14;	exit (2)	expressed (2)	fact (14)
equipment (3)	28:8,32:22;35:19;	71:22,24	27:9;137:15	17:7;62:5;63:5,14;
39:21;127:19;	138:7,10;143:10;	expand (1)	extend (2)	60.7 10.76.2.110.10
132:12	156:10	53:12		69:7,19;76:2;110:10;
ERECTOR (1)	evident (1)	expanded (7)	7:5;57:5	141:7;144:3,16;
113:18	26:10	20:0:24:7.10:40:2:	extended (2)	146:7;152:11,24
specially (1)		20:9;24:7,10;49:3;	14:22;109:1	factored (1)
123:13	evidentiary (2)	59:1,10,13	extension (2)	90:18
Esquire (2)	27:24;145:24	expanding (1)	83:6;144:7	factors (1)
	exacerbated (1)	59:2	extensive (1)	79:8
7:21;24:23	107:14	expansion (36)	87:3	fail (2)
ssential (1)	exactly (2)	4:13;6:14,18;7:5;	extent (6)	73:21;109:11
48:23	39:8;87:18	8:3;11:12;29:20,23;	83:18,23;84:12;	failed (4)
ssentially (2)	examined (1)	31:12;33:1;40:13;	144:20;155:24;156:1	134:6,6,7,7
31:4;142:23	30:11	41:4,19;43:7;46:13;	exterior (1)	failure (3)
stablish (2)	example (3)	48:18;49:10,17,18;	106:2	
16:7;65:9	18:8;26:24;131:16	53:17,22;56:14,16;		18:21;129:17;
stablished (2)	examples (2)	50.5 11.70.14 17 21.	exterminator (1)	134:3
127:2;139:8	16:12;40:6	59:5,11;79:14,17,21;	77:12	fair (3)
stablishes (1)		82:24;85:1;86:1;	extra (3)	15:1;32:17;142:21
103:6	excavated (1)	92:15,19;93:5;	43:5;101:16;157:5	fairly (1)
	58:7	126:20;137:18	extremely (1)	110:5
stablishing (1)	exceeded (1)	expansions (4)	134:2	fallen (1)
24:6	117:1	6:10;41:9;49:21;	eye (1)	76:5
stablishment (2)	exceedence (2)	79:23	38:6	Falmouth (1)
00.40 = - ' '	11707	1.74	L	
39:13;76:18	117:3,5	expect (4)		45.9
39:13;76:18 stimate (1)	exceedences (1)	expect (4) 80:20:101:10:	F	45:9
39:13;76:18		80:20;101:10; 137:12;138:12	F	45:9 familiar (1) 101:2

Before Hearing Officer	John F. Shea			repruary 2, 2022
		(1)	92:24;125:20	33:15;50:3;54:4;
famously (1)	file (4)	fish/gurry (1)	fondly (1)	100:13;114:21;
109:23	25:14;27:6;48:10,	18:9	29:15	135:12,13;136:13;
fantastic (6)	12	five (9)		139:10
45:17;95:21,23;	filed (6)	44:22;51:9,10;	font (2) 47:11,12	fruition (1)
124:2;128:11;135:21	24:24;27:1,11;	65:3;80:18;94:23;		96:1
far (6)	86:16;105:11,15	95:2;111:2;113:11	foot (4)	full (5)
35:10;38:8;48:7;	files (1)	five-minute (1)	130:18;131:4,12;	15:1;33:20;46:14;
54:2;72:5;129:15	151:8	80:4	134:6	48:16;121:18
farmland (1)	filings (3)	five-page (2)	footprint (2)	fullest (1)
69:10	139:15,20,23	23:15;35:12	57:16;127:10	155:17
farms (1)	fill (4)	fix (3)	footprints (1)	
18:9	97:3;107:22;	110:15,16;134:8	58:1	full-size (1)
fashion (1)	108:15,19	flag (1)	Force (1)	66:10
148:15	filled (1)	50:4	78:2	full-time (1)
fast (3)	44:17	flare (11)	forced (1)	146:18
108:19;109:17,18	filling (3)	59:7;75:15;76:3;	122:15	fully (5)
fault (1)	107:22,23;109:18	77:23;93:20;108:24;	foremost (1)	41:21;103:1;
81:23	final (10)	111:17,18;129:17,17,	102:18	119:16,18,22
features (3)	15:18;20:21;23:9;	19	foreseeable (1)	funnel (1)
27.15.102.10 15	84:9;93:11;96:24;	flaring (1)	63:23	108:6
37:15;102:10,15	123:4;124:16;136:3;	94:2	forest (1)	funneled (1)
FEBRUARY (21)	151:17	flawed (1)	128:1	108:7
4:2,4,7;13:14,20,		18:22	forests (1)	further (5)
23;14:13;20:11;	Finally (4) 21:15;23:24;96:20;	flexibility (6)	74:10	14:14;64:11;73:14;
21:22;23:5;27:7,12,		39:23;40:17;131:5;	forget (2)	109:16;117:6
16,18,19;137:3,7;	99:11	135:3;145:9;146:21	17:8;113:10	future (9)
141:6;159:12,15,21	finance (2)		form (3)	40:13;42:10,15;
federal (2)	46:3;47:5	flexible (3)	26:14;131:13,14	53:18;57:1,18;63:23;
68:11;75:3	financial (4)	131:3;132:5;		114:14;116:12
feed (1)	15:22;18:23;34:16;	134:23	formal (2)	111111,110112
97:20	44:18	flip (1)	16:9;46:4	G
feedback (3)	find (10)	80:17	formality (1)	9
88:22,24;118:23	22:3;25:8;30:8;	floodplain (1)	19:3	gallons (2)
feel (1)	43:18;44:1;46:19;	65:13	formed (1)	gallons (2)
146:2	47:7;96:4;138:23;	floor (3)	39:11	63:13,14
feeling (1)	142:14	65:13;66:23;96:22	formulate (1)	Galon (1)
50:9	finding (3)	flow (6)	19:20	5:8
feels (2)	24:11;97:20;	100:5;108:14;	forthcoming (1)	garbage (1)
144:21;154:11	115:16	117:5,20;132:23;	102:1	94:19
	findings (1)	133:3	fortunate (1)	gas (31)
fees (1)	148:19	flowing (1)	17:4	58:24;59:6,6,8,12;
19:12	fine (4)	130:19	forward (8)	75:14,23;77:21,22;
feet (12)	99:19;106:21;	fly (1)	39:17;40:11;43:22;	93:18;94:1,9,11,13,
49:18;61:7,9,24;		105:17	46:14;128:17;	15,16,16,20,24;
62:1;65:20,20,23,23;	110:22,22	focus (2)	135:13;142:1;152:12	95:11,21,23;96:5;
66:3;78:19;129:4	fines (2)	16:14;17:16	forwarding (1)	108:23;109:2,3,10;
Fellow (1)	110:19,22		26:4	111:7;113:7;114:2;
24:23	finish (1)	focused (3) 39:19,22;40:12	found (3)	129:19
felt (1)	110:1		30:14;122:9;136:6	gas-emission-control (1)
156:11	finished (1)	folks (6)	Foundation (3)	106:1
fencing (1)	139:14	43:9;46:7;48:13;	22:20;24:24;25:8	gases (2)
77:5	fire (1)	87:22;89:2;110:12		76:9;106:5
Ferris (1)	44:16	follow (2)	four (8)	
94:24	firm (4)	150:17;153:21	43:20;48:15;51:8;	gate (1)
few (10)	8:23;60:8;99:1,3	follow-along (1)	65:19;104:24;105:7;	50:4
16:12;33:10;40:6;	first (22)	137:8	113:11;120:2	gave (3)
45:16;51:3;80:21;	6:11;16:13;21:16;	followed (1)	four-hour (1)	112:1;114:6;
81:17;87:19;95:8;	27:2;31:23;32:3;	131:17	160:15	128:11
112:11	33:4,19;40:8;43:16;	following (6)	frame (2)	GCL (5)
	68:4,19;71:6;75:12;	45:4;66:1;70:1;	140:21;151:22	103:9,18;131:10;
field (1)	94:6;99:21;102:17;	73:5;79:8;83:17	frankly (1)	134:15,18
98:24	117:4;118:3;122:6;	follows (4)	95:10	gen (1)
fifth (1)		13:14;25:8,22;	Friday (1)	91:2
17:10	143:13;156:6	57:16	149:1	General (23)
figures (1)	first-time-ever (1)	follow-up (2)	front (9)	7:11;16:3;17:10;
55:21	113:16	10110W-up (2)	1,011-(7)	
			COEDVICES	(0) famously - Gener

Before Hearing Officer John F. Shea				
		47;20;58:14;59:12;	12:9;44:7;128:15	health's (3)
18:13;23:19,20,23,	goals (1)	62:24;64:20,22,22;	happened (1)	100:15;125:4;
24;30:23;34:3,8,12;	141:8	65:4;67:20,20,22;	37:9	150:18
60:3;68:15;72:13;	Goddard (3)	68:1;118:14,20;	happening (2)	hear (12)
82:5,14;86:2;101:3,5,	37:2;39:6;89:1	125:3,15	95:14;158:22	12:17;17:12;28:18;
18;104:6;115:13	Goddard's (1)	Group (28)	happens (1)	31:2;32:12;89:8,24;
generally (7)	45:17	7:21;25:2,19;26:2,	133:21	122:18;143:14;
34:11;52:11,22;	goes (14)	7,10,17,18;27:2,6,8,	happy (3)	152:2,3;156:6
59:23;60:5,17;	67:14;85:7,23;	14,17;28:2;33:14;	95:24;113:15;	heard (4)
102:13	91:7;92:19;93:2;	44:14;46:1;60:15;	114:10	89:4;101:7;102:4;
generate (6)	122:7;129:17;	81:2;87:23;89:24;	hard (7)	152:10
94:8;106:21;	131:10;132:3,9,17;	137:11;139:17;	73:4;96:7;141:2;	HEARING (171)
112:15;113:5;	134:14,16	143:24;145:7;	146:5,7;150:9;	4:3,9,15,18;5:6,17,
117:18;158:14	Golf (1) 98:18	147:21;154:6;156:14	153:23	19,21;7:7,10;8:4,15,
generated (5)		Guard (2)	harsh (1)	16,19,22,24;9:2,8;
77:22;93:13;94:10;	Good (19) 4:6;11:7;29:9;	87:24;107:13	134:2	10:5,6;11:5,17,17,19;
107:8;112:8	32:18;36:12;38:20;	Guarino (8)	Harvest (1)	12:2,9,21,22;13:7,13,
generating (3)	50:16;94:15,17;95:9;	7:19;12:10;150:13,	95:18	14,18,22;14:2,6,9,13,
94:22;107:2;108:8	107:7,9;110:8,19;	14;151:18;153:15,	Harwich (1)	13,17;15:1,13,20;
generation (5)	116:10;123:16;	18;158:11	45:7	16:1,2,13,23;17:2;
90:18;91:1,5;94:2,	160:10,123.10,	guess (9)	hashed (1)	19:3,14,19;20:4,23;
4	Goodwin (1)	9:21;35:18;89:9;	70:17	21:19,21;22:7,10,16;
gentleman (1)	26:13	96:2;109:19;129:22;	hatch (2)	23:3,8;25:11,14,20;
112:17	google (2)	131:12;143:11;	67:9,11	27:20;28:13,14,16,
Gentlemen (1)	124:3;131:24	147:18	hatching (1)	20,24;29:7,18;30:22;
36:13	govern (1)	guidance (1)	61:22	31:13,20;32:1,2,23;
geo (1)	140:1	140:15	hate (1)	33:4,7;35:7,17,22;
93:10	governing (1)	guiding (1)	97:15	37:11,18;38:19;48:6;
geographic (1)	26:2	110:21	haul (1)	50:11;54:17,19;73:1,
84:16 Carlogia (1)	governs (1)	guys (2)	116:4	3;80:2,8,15,19;81:1,
Geologic (1) 64:24	16:4	81:3,6	hauled (1)	5,12,19;82:2;86:3,23;
geologist (1)	GPS (2)	GW-1 (3)	58:21	88:6,12,16,20;89:12,
130:14	121:8,10	124:21,22;125:1	hazard (1)	16,20,21;98:11,15,
geometry (1)	graduated (1)	GW-3 (2)	71:4	20;99:13,15;100:18;
41:24	51:23	124:23;125:11	hazardous (4)	101:8,21;125:19,23;
geo-synthetic (3)	Granite (1)		52:15;68:11;	136:20;137:1,2;
103:8;131:11;	98:18	\mathbf{H}	104:16;112:14	139:2,12;140:13,17;
134:18	grant (3)		hazards (1)	141:21;142:16,22;
geotechnical (2)	8:19;25:17;85:12	H2S (1)	77:24	143:14,17,18;144:14,
79:16;131:7	granted (4)	111:9	head (2)	15,24;145:12,14,21;
geotextile (3)	25:21;96:18;	habitat (3)	100:2;133:12	146:1,6;147:2;
103:13,14;132:20	143:24;144:21	72:14,22;115:12	headed (2)	148:20;151:12;
gets (3)	grants (1)	half (5)	101:22;135:20	152:3,7,16,23;
102:4;134:19;	21:8	58:6;62:1;83:22;	heads (1)	153:12,13,23;154:8,
141:5	granular (1)	114:23;123:2	133:17	9,13;155:18,19,20,
Gianelli (2)	103:9	half-mile (1)	HEALTH (67)	23;156:2,13;157:7,
24:22;27:1	granulars (1)	61:20	4:2,9;5:9;7:14,19,	10;158:5,6,8,13;
Gianelly (7)	107:4	halfway (1)	20;8:15;9:7;11:15;	159:5,11,15,20;
141:19,20;142:18;	gray (3)	81:13	15:2;17:19;18:4,15,	160:16,22
143:6;154:20;	57:13;67:13;74:2	hand (2)	17,22;19:1,12;20:3;	hearings (3)
156:19;157:9	great (5)	33:17;141:19	22:10;24:12,16;28:5;	8:14;16:11;159:8
given (5)	17:5;36:11;76:8;	hand-delivery (1)	30:8,10,17;38:22;	heat (1)
56:10;60:18;61:16;	106:3;158:11	140:3	39:23;46:2;47:5;	122:17
83:13;138:1	greater (3)	handle (3)	62:11,20;64:13;66:4,	heating (1)
gives (1)	19:18;65:19;68:12	115:6;123:12;	12;75:4,22;76:20;	90:11 height (4)
40:10	green (6)	157:4	79:10;82:9,19;83:8,	49:19;92:20;
glacial (1)	42:9;57:12;61:21;	handling (14)	11,16;84:12,19;	
131:2	70:11;93:10;127:4	6:13;29:24;41:8,	85:11;99:4,11;101:2	* I
Glitches (1)	greenhouse (1)	17;46:22;56:19;	16;110:10,18;118:5,	
12:9	76:9	57:23;70:14,14,19;	12;119:8;120:19,20,	help (2)
goal (4)	ground (2)	78:18;127:13,14;	22;135:14;138:8;	15:12;31:9
43:23,24;97:23;	79:20;104:5	158:19	140:2;150:19,23; 151:3,14,20,22	helpful (2)
124:6	groundwater (16)	happen (3)	131.3,14,40,44	

Defore Hearing Office	er John F. Shea			February 2, 20
29:8;101:6	59:3;79:21,23;106:	4; II (1)	76:24	initial (1)
hereby (1)	109:4;110:2	61:22	includes (2)	93:11
25:17	horizontally (1)	IIs (1)	22:7;95:2	inlet (1)
here's (2)	106:7	60:20	including (9)	111:17
38:11;41:23	host (2)	illegal (2)	6:24;40:4;48:2;	inner (1)
Heritage (3)	43:13;44:6	127:24;128:4	63:8;65:12;75:23;	70:9
72:18;73:10;	hours (1)	imagine (5)	87:23;120:19;122:1	I
115:15	124:10	39:4;40:1;110:11;	inclusive (3)	
herself (1)	house (1)	111:22;150:7	119:17,18,22	47:1
9:16	40:5	immediately (8)	incoming (1)	in-person (2)
high (1)	household (1)	32:5,5;56:18;	42:24	12:13;159:8
114:18	45:9	57:20,21;112:10;	incorporate (1)	input (3)
high-density (3)	houses (1)	151:4;154:15	85:2	25:6;32:3;149:7
103:11,14,19	42:8	impact (14)		inside (1)
higher (2)	HTPD (1)	20:14;44:19;48:11;	incorporated (1) 67:23	67:5
48:24;111:24	132:3	67:20;72:16,19,22;		inspection (1)
high-grade (1)	humble (1)	74:8;75:18,21;78:6,	incorporates (2)	117:7
121:9	143:8	8;83:4,5		inspections (1)
high-quality (1)	humorous (1)	impacted (2)	incorporating (1) 138:11	47:21
95:21	12:5	74:3;79:14		inspectors (1)
high-tension (1)	hundred (4)	impacts (11)	increase (3)	151:5
128:1	63:13;91:7;114:24;	28:4;60:6;68:18;	57:3,3;91:20	installed (1)
highway (4)	115:7		increases (1)	94:12
38:8;71:15,20;72:7	hundred-foot (7)	71:3;74:19,21,22,24;		instead (1)
hired (1)	69:3;70:5,6,10;	75:13;82:18,21	independent (1)	16:14
34:7	126:22;127:2,5	impartially (1) 15:21	116:14	instituted (2)
historic (2)	hundred-year (1)		index (2)	110:18;118:13
17:24;69:17	65:12	impervious (1)	130:24;131:2	instructed (1)
historically (1)	HYANNIS (1)	103:20	indicate (1)	46:8
150:23	4:3	implemented (1)	114:15	instructions (2)
history (2)	hydraulic (1)	106:13	indicated (1)	14:16;144:17
11:19;93:22	93:13	implementing (1)	69:15	insufficient (1)
hits (2)	hydrogen (18)	20:17	indicates (1)	78:16
108:16,16	75.24.76.2.6	importance (1)	131:3	insufficiently (1)
hold (2)	75:24;76:2,6;	69:10	indirectly (1)	19:2
52:1;102:3	94:10;107:2,8;108:8;	important (11)	45:4	integrated (11)
holding (1)	111:18;112:9,15;	23:14;43:7,12;	indiscernible-cough (1)	4:10;11:9;29:14;
35:19	113:6;114:1,15,19,	45:12;68:20;85:21;	108:12	30:23;34:4;39:11,13;
Hole (1)	22;115:6;122:8;	127:23;128:13;	individual (6)	45:21;84:15;97:14;
112:19	136:8	139:9;141:3;143:23	24:24;26:4,23,24;	98:9
homes (1)	Hydros (1)	importantly (3)	89:19;142:1	intend (1)
120:5	114:16	77:21;112:6;122:6	individually (1)	35:20
	hypothetical (1)	imposed (1)	126:4	intended (2)
honest (3)	157:4	154:7	individuals (1)	99:9;145:18
88:23;95:11;	_	improperly (2)	26:18	intent (3)
150:11	I	26:20;63:20	infiltration (1)	26:9;40:15;95:5
honeycomb (1)		improve (2)	117:17	20:9;40:15;95:5 interest (1)
132:19	idea (5)	58:14;117:12	inflow (1)	15:22
Honor (2)	38:20;40:10,14;	improved (1)	108:17	interesting (3)
125:22,23	145:23;157:18	19:23	info (1)	
hooked (1)	identified (11)	inbox (1)	108:14	130:14;131:24; 132:1
123:20	9:16;17:14;18:11;	151:2	information (24)	
hope (4)	26:20;27:2;59:20;	inch (2)	26:8;31:4,8;76:14;	interests (1)
41:19;44:10;85:16;	69:5;78:9;118:15,19;	121:12;133:5	86:14;87:8;99:10,17;	101:19
145:13	125:10	inch-and-a-half (1)	102:14;104:19;	interference (1)
Hopefully (6)	identifiers (1)	133:6	120:23;126:11;	78:1
49:15;97:10;	67:7	inclined (2)	138:17,24;139:10;	interim (2)
117:11;120:3;	identify (5)	138:14,16	138:17,24;139:10; 148:18;149:5,19;	46:19;109:5
136:14;145:23		include (4)	150.10,149(3,19)	intermediate (5)
		35:20;53:23;74:15;	150:20;151:1,3,15; 157:5;158:7	57:14;93:9;105:20;
hoping (1)	117:10,19		137/3/138/7	10×5·100·4
hoping (1) 135:18		1000	• • • • • •	108:5;109:4
hoping (1) 135:18 horizontal (12)	e (1)	103:9	informs (1)	internal (2)
hoping (1) 135:18 horizontal (12) 4:13;6:14;11:12;	e (1) 129:13	103:9 Included (8)	informs (1) 39:7	internal (2) 72:2;135:1
hoping (1) 135:18 horizontal (12)	e (1)	103:9 Included (8)	informs (1) 39:7	internal (2)

interrupt (1)				
interrupt (1)	120.24.120.5.	index (2)	68:4;75:23;77:22;	103:7,9,18,22;
	120:24;139:5;	judge (3)	79:1,13,19;84:11;	131:18;132:18;
128:9	140:23;142:7;	15:6,17;144:17	85:1;86:2;93:4,7,8,	134:14
interstitial (2)	149:15,18;155:6,11	June (1)		
58:16;93:8	issued (7)	38:23	14,18;94:7,12;95:23;	layers (6)
intervene (6)	8:2;14:18;20:15,	jury (3)	97:6;98:16;99:23;	100:3,3;103:8;
13:10;15:8;24:19;	18;25:22;30:15;	15:6,18;144:16	104:16;106:2,6,11;	105:20;131:5,6
25:19,22,24	38:22	justice (2)	107:6;108:3,23,24;	laymen (1)
intervener (4)	issues (11)	87:4;88:14	111:7;112:1,8,15;	130:12
13:19;14:3,7;21:5	15:9;17:17;28:4,9,		113:5;116:13;	lays (1)
interveners (3)	11;106:11,18;109:8;	K	117:18,23;118:1,6;	132:5
14:7;16:24;138:15	154:22,23;156:21		121:9,21;124:8,19,	leachate (16)
interventions (1)	issuing (1)	keep (9)	23,23;125:3;126:20,	58:14,19,20;65:14,
	30:19	11:24;38:6;44:7;	21;137:18	19,22;67:21;93:13;
138:10	ISWM (38)	45:20;47:3;77:9;	landfilled (1)	95:16;103:21;106:6;
into (47)			42:5	108:2;116:1;117:18;
31:12;42:15;43:21;	6:23;11:10;13:2;	96:10;97:15;136:7	landfilling (9)	123:11;124:4
49:23;51:8,15;54:15;	20:1,21;21:9;22:22;	keeps (2)		leaching (2)
57:5;59:4,13,14;	29:15,19;30:20;	114:18;132:21	41:2,12;42:7;44:1,	
68:15;71:4;75:5,5;	33:13;36:24;38:18;	kind (7)	11;47:8;56:13;57:15;	121:22;122:2
76:3;77:9;82:20;	44:17;45:3,8;48:19;	39:15;40:14;57:16;	126:24	leader (2)
84:15;85:24;87:3,23;	50:19;53:7,21;55:16;	67:9;88:2;122:17;	landfills (12)	45:14,19
90:18;91:4;94:12,18;	69:12;73:23;74:16;	123:17	46:20;59:23;64:5;	leadership (1)
95:15,19;108:7;	81:2;85:8,13;90:14;	knew (5)	97:3;107:17,23;	45:23
109:1,1;111:18;	101:17;105:13,22;	81:5;109:6,10;	123:12;124:11,12;	leading (1)
112:8;113:5,24;	106:13;111:6;	111:24;160:14	125:6,7,8	123:20
117:9,17,20;122:7;	116:14;117:2;	knowing (5)	lands (1)	leak (2)
123:3,4;131:17;	121:20;122:1;138:3	39:8;68:3;91:21;	74:12	58:16;133:9
132:9;136:11;141:5;	ISWM's (6)	109:12;146:12	lanes (1)	leakage (1)
		knowledge (1)	71:23	134:4
151:7,10	44:15;53:12;		language (1)	least (3)
introduce (1)	105:19;111:10;	121:23	81:6	18:20;59:14;94:4
8:21	115:24;136:22	known (3)	Į.	
introducing (1)	items (8)	19:15;34:23;	large (1)	leave (7)
54:15	28:15,21;51:4;	130:21	78:23	20:5;25:18;78:11;
introduction (2)	130:1,3;143:12,16,17	knows (3)	larger (2)	80:5;89:19;96:21;
29:2;98:21	Ivan (1)	89:1;140:16;	38:14,15	98:11
29:2;98:21 introductions (1)	Ivan (1) 124:3	89:1;140:16; 149:23	last (10)	LEC (1)
		149:23	last (10) 47:14;49:23;71:8;	LEC (1) 69:13
introductions (1) 7:18	124:3		last (10) 47:14;49:23;71:8; 98:4,6;111:2;114:22;	LEC (1) 69:13 led (1)
introductions (1) 7:18 introductory (1)	124:3 IWPAs (1)	149:23	last (10) 47:14;49:23;71:8;	LEC (1) 69:13
introductions (1) 7:18 introductory (1) 11:16	124:3 IWPAs (1) 60:20	149:23 L	last (10) 47:14;49:23;71:8; 98:4,6;111:2;114:22; 122:23;135:8;144:22	LEC (1) 69:13 led (1)
introductions (1) 7:18 introductory (1) 11:16 invest (1)	124:3 IWPAs (1)	149:23 L labeled (1)	last (10) 47:14;49:23;71:8; 98:4,6;111:2;114:22; 122:23;135:8;144:22 late (4)	LEC (1) 69:13 led (1) 106:17
introductions (1) 7:18 introductory (1) 11:16 invest (1) 96:8	124:3 IWPAs (1) 60:20 J	149:23 L labeled (1) 63:21	last (10) 47:14;49:23;71:8; 98:4,6;111:2;114:22; 122:23;135:8;144:22 late (4) 55:12;86:8;128:19;	LEC (1) 69:13 led (1) 106:17 leeway (1) 114:6
introductions (1) 7:18 introductory (1) 11:16 invest (1) 96:8 investigation (1)	124:3 IWPAs (1) 60:20 J jam (1)	149:23 L labeled (1) 63:21 lack (1)	last (10) 47:14;49:23;71:8; 98:4,6;111:2;114:22; 122:23;135:8;144:22 late (4) 55:12;86:8;128:19; 148:16	LEC (1) 69:13 led (1) 106:17 leeway (1) 114:6 left (1)
introductions (1) 7:18 introductory (1) 11:16 invest (1) 96:8 investigation (1) 49:6	124:3 IWPAs (1) 60:20 J jam (1) 153:3	149:23 L labeled (1) 63:21 lack (1) 78:6	last (10) 47:14;49:23;71:8; 98:4,6;111:2;114:22; 122:23;135:8;144:22 late (4) 55:12;86:8;128:19; 148:16 later (5)	LEC (1) 69:13 led (1) 106:17 leeway (1) 114:6 left (1) 57:8
introductions (1) 7:18 introductory (1) 11:16 invest (1) 96:8 investigation (1) 49:6 investment (1)	124:3 IWPAs (1) 60:20 J jam (1) 153:3 Janet (3)	149:23 L labeled (1) 63:21 lack (1) 78:6 Ladies (1)	last (10) 47:14;49:23;71:8; 98:4,6;111:2;114:22; 122:23;135:8;144:22 late (4) 55:12;86:8;128:19; 148:16 later (5) 19:17;27:22;41:21;	LEC (1) 69:13 led (1) 106:17 leeway (1) 114:6 left (1) 57:8 legal (4)
introductions (1) 7:18 introductory (1) 11:16 invest (1) 96:8 investigation (1) 49:6 investment (1) 122:1	124:3 IWPAs (1) 60:20 J jam (1) 153:3 Janet (3) 4:20;17:4;73:5	149:23 L labeled (1) 63:21 lack (1) 78:6 Ladies (1) 36:12	last (10) 47:14;49:23;71:8; 98:4,6;111:2;114:22; 122:23;135:8;144:22 late (4) 55:12;86:8;128:19; 148:16 later (5) 19:17;27:22;41:21; 62:3;114:13	LEC (1) 69:13 led (1) 106:17 leeway (1) 114:6 left (1) 57:8 legal (4) 7:22;11:20;21:16;
introductions (1) 7:18 introductory (1) 11:16 invest (1) 96:8 investigation (1) 49:6 investment (1) 122:1 involved (7)	124:3 IWPAs (1) 60:20 J jam (1) 153:3 Janet (3) 4:20;17:4;73:5 January (15)	149:23 L labeled (1) 63:21 lack (1) 78:6 Ladies (1) 36:12 laid (1)	last (10) 47:14;49:23;71:8; 98:4,6;111:2;114:22; 122:23;135:8;144:22 late (4) 55:12;86:8;128:19; 148:16 later (5) 19:17;27:22;41:21; 62:3;114:13 latex (1)	LEC (1) 69:13 led (1) 106:17 leeway (1) 114:6 left (1) 57:8 legal (4) 7:22;11:20;21:16; 26:18
introductions (1) 7:18 introductory (1) 11:16 invest (1) 96:8 investigation (1) 49:6 investment (1) 122:1 involved (7) 17:20,22;19:2;	124:3 IWPAs (1) 60:20 J jam (1) 153:3 Janet (3) 4:20;17:4;73:5 January (15) 8:1,6;13:2,3,5;	149:23 L labeled (1) 63:21 lack (1) 78:6 Ladies (1) 36:12 laid (1) 58:4	last (10) 47:14;49:23;71:8; 98:4,6;111:2;114:22; 122:23;135:8;144:22 late (4) 55:12;86:8;128:19; 148:16 later (5) 19:17;27:22;41:21; 62:3;114:13 latex (1) 45:15	LEC (1) 69:13 led (1) 106:17 leeway (1) 114:6 left (1) 57:8 legal (4) 7:22;11:20;21:16; 26:18 legible (1)
introductions (1) 7:18 introductory (1) 11:16 invest (1) 96:8 investigation (1) 49:6 investment (1) 122:1 involved (7) 17:20,22;19:2; 44:20;53:12;137:18;	124:3 IWPAs (1) 60:20 J jam (1) 153:3 Janet (3) 4:20;17:4;73:5 January (15) 8:1,6;13:2,3,5; 20:19;21:21;22:17,	149:23 L labeled (1) 63:21 lack (1) 78:6 Ladies (1) 36:12 laid (1) 58:4 lake (2)	last (10) 47:14;49:23;71:8; 98:4,6;111:2;114:22; 122:23;135:8;144:22 late (4) 55:12;86:8;128:19; 148:16 later (5) 19:17;27:22;41:21; 62:3;114:13 latex (1) 45:15 latitude (1)	LEC (1) 69:13 led (1) 106:17 leeway (1) 114:6 left (1) 57:8 legal (4) 7:22;11:20;21:16; 26:18 legible (1) 61:17
introductions (1) 7:18 introductory (1) 11:16 invest (1) 96:8 investigation (1) 49:6 investment (1) 122:1 involved (7) 17:20,22;19:2; 44:20;53:12;137:18; 150:6	124:3 IWPAs (1) 60:20 J jam (1) 153:3 Janet (3) 4:20;17:4;73:5 January (15) 8:1,6;13:2,3,5; 20:19;21:21;22:17, 19,22;23:13;24:22;	149:23 L labeled (1) 63:21 lack (1) 78:6 Ladies (1) 36:12 laid (1) 58:4 lake (2) 65:20,23	last (10) 47:14;49:23;71:8; 98:4,6;111:2;114:22; 122:23;135:8;144:22 late (4) 55:12;86:8;128:19; 148:16 later (5) 19:17;27:22;41:21; 62:3;114:13 latex (1) 45:15 latitude (1) 112:2	LEC (1) 69:13 led (1) 106:17 leeway (1) 114:6 left (1) 57:8 legal (4) 7:22;11:20;21:16; 26:18 legible (1) 61:17 legislation (1)
introductions (1) 7:18 introductory (1) 11:16 invest (1) 96:8 investigation (1) 49:6 investment (1) 122:1 involved (7) 17:20,22;19:2; 44:20;53:12;137:18;	124:3 IWPAs (1) 60:20 J jam (1) 153:3 Janet (3) 4:20;17:4;73:5 January (15) 8:1,6;13:2,3,5; 20:19;21:21;22:17,	149:23 L labeled (1) 63:21 lack (1) 78:6 Ladies (1) 36:12 laid (1) 58:4 lake (2) 65:20,23 land (15)	last (10) 47:14;49:23;71:8; 98:4,6;111:2;114:22; 122:23;135:8;144:22 late (4) 55:12;86:8;128:19; 148:16 later (5) 19:17;27:22;41:21; 62:3;114:13 latex (1) 45:15 latitude (1) 112:2 latrines (1)	LEC (1) 69:13 led (1) 106:17 leeway (1) 114:6 left (1) 57:8 legal (4) 7:22;11:20;21:16; 26:18 legible (1) 61:17 legislation (1) 39:10
introductions (1) 7:18 introductory (1) 11:16 invest (1) 96:8 investigation (1) 49:6 investment (1) 122:1 involved (7) 17:20,22;19:2; 44:20;53:12;137:18; 150:6	124:3 IWPAs (1) 60:20 J jam (1) 153:3 Janet (3) 4:20;17:4;73:5 January (15) 8:1,6;13:2,3,5; 20:19;21:21;22:17, 19,22;23:13;24:22;	149:23 L labeled (1) 63:21 lack (1) 78:6 Ladies (1) 36:12 laid (1) 58:4 lake (2) 65:20,23	last (10) 47:14;49:23;71:8; 98:4,6;111:2;114:22; 122:23;135:8;144:22 late (4) 55:12;86:8;128:19; 148:16 later (5) 19:17;27:22;41:21; 62:3;114:13 latex (1) 45:15 latitude (1) 112:2 latrines (1) 18:8	LEC (1) 69:13 led (1) 106:17 leeway (1) 114:6 left (1) 57:8 legal (4) 7:22;11:20;21:16; 26:18 legible (1) 61:17 legislation (1) 39:10 legislature (1)
introductions (1) 7:18 introductory (1) 11:16 invest (1) 96:8 investigation (1) 49:6 investment (1) 122:1 involved (7) 17:20,22;19:2; 44:20;53:12;137:18; 150:6 involvement (2) 52:22;138:2	124:3 IWPAs (1) 60:20 J jam (1) 153:3 Janet (3) 4:20;17:4;73:5 January (15) 8:1,6;13:2,3,5; 20:19;21:21;22:17, 19,22;23:13;24:22; 35:15;54:24;104:14	149:23 L labeled (1) 63:21 lack (1) 78:6 Ladies (1) 36:12 laid (1) 58:4 lake (2) 65:20,23 land (15)	last (10) 47:14;49:23;71:8; 98:4,6;111:2;114:22; 122:23;135:8;144:22 late (4) 55:12;86:8;128:19; 148:16 later (5) 19:17;27:22;41:21; 62:3;114:13 latex (1) 45:15 latitude (1) 112:2 latrines (1) 18:8 law (16)	LEC (1) 69:13 led (1) 106:17 leeway (1) 114:6 left (1) 57:8 legal (4) 7:22;11:20;21:16; 26:18 legible (1) 61:17 legislation (1) 39:10 legislature (1) 18:11
introductions (1) 7:18 introductory (1) 11:16 invest (1) 96:8 investigation (1) 49:6 investment (1) 122:1 involved (7) 17:20,22;19:2; 44:20;53:12;137:18; 150:6 involvement (2) 52:22;138:2 iron (1)	124:3 IWPAs (1) 60:20 J jam (1) 153:3 Janet (3) 4:20;17:4;73:5 January (15) 8:1,6;13:2,3,5; 20:19;21:21;22:17, 19,22;23:13;24:22; 35:15;54:24;104:14 job (5) 45:17;65:5;124:2;	149:23 L labeled (1) 63:21 lack (1) 78:6 Ladies (1) 36:12 laid (1) 58:4 lake (2) 65:20,23 land (15) 6:11;44:2;63:1;	last (10) 47:14;49:23;71:8; 98:4,6;111:2;114:22; 122:23;135:8;144:22 late (4) 55:12;86:8;128:19; 148:16 later (5) 19:17;27:22;41:21; 62:3;114:13 latex (1) 45:15 latitude (1) 112:2 latrines (1) 18:8 law (16) 5:4;7:21;8:10,23;	LEC (1) 69:13 led (1) 106:17 leeway (1) 114:6 left (1) 57:8 legal (4) 7:22;11:20;21:16; 26:18 legible (1) 61:17 legislation (1) 39:10 legislature (1)
introductions (1) 7:18 introductory (1) 11:16 invest (1) 96:8 investigation (1) 49:6 investment (1) 122:1 involved (7) 17:20,22;19:2; 44:20;53:12;137:18; 150:6 involvement (2) 52:22;138:2 iron (1) 145:2	124:3 IWPAs (1) 60:20 J jam (1) 153:3 Janet (3) 4:20;17:4;73:5 January (15) 8:1,6;13:2,3,5; 20:19;21:21;22:17, 19,22;23:13;24:22; 35:15;54:24;104:14 job (5) 45:17;65:5;124:2; 135:21;158:17	149:23 L labeled (1) 63:21 lack (1) 78:6 Ladies (1) 36:12 laid (1) 58:4 lake (2) 65:20,23 land (15) 6:11;44:2;63:1; 65:17;66:1,8;67:7;	last (10) 47:14;49:23;71:8; 98:4,6;111:2;114:22; 122:23;135:8;144:22 late (4) 55:12;86:8;128:19; 148:16 later (5) 19:17;27:22;41:21; 62:3;114:13 latex (1) 45:15 latitude (1) 112:2 latrines (1) 18:8 law (16)	LEC (1) 69:13 led (1) 106:17 leeway (1) 114:6 left (1) 57:8 legal (4) 7:22;11:20;21:16; 26:18 legible (1) 61:17 legislation (1) 39:10 legislature (1) 18:11 lends (1) 107:1
introductions (1) 7:18 introductory (1) 11:16 invest (1) 96:8 investigation (1) 49:6 investment (1) 122:1 involved (7) 17:20,22;19:2; 44:20;53:12;137:18; 150:6 involvement (2) 52:22;138:2 iron (1) 145:2 Ironically (1)	124:3 IWPAs (1) 60:20 J jam (1) 153:3 Janet (3) 4:20;17:4;73:5 January (15) 8:1,6;13:2,3,5; 20:19;21:21;22:17, 19,22;23:13;24:22; 35:15;54:24;104:14 job (5) 45:17;65:5;124:2; 135:21;158:17 jobs (2)	L labeled (1) 63:21 lack (1) 78:6 Ladies (1) 36:12 laid (1) 58:4 lake (2) 65:20,23 land (15) 6:11;44:2;63:1; 65:17;66:1,8;67:7; 68:19,22;69:1,7;74:3, 13,13,14	last (10) 47:14;49:23;71:8; 98:4,6;111:2;114:22; 122:23;135:8;144:22 late (4) 55:12;86:8;128:19; 148:16 later (5) 19:17;27:22;41:21; 62:3;114:13 latex (1) 45:15 latitude (1) 112:2 latrines (1) 18:8 law (16) 5:4;7:21;8:10,23; 9:3,5;18:19,22;19:18,	LEC (1) 69:13 led (1) 106:17 leeway (1) 114:6 left (1) 57:8 legal (4) 7:22;11:20;21:16; 26:18 legible (1) 61:17 legislation (1) 39:10 legislature (1) 18:11 lends (1)
introductions (1) 7:18 introductory (1) 11:16 invest (1) 96:8 investigation (1) 49:6 investment (1) 122:1 involved (7) 17:20,22;19:2; 44:20;53:12;137:18; 150:6 involvement (2) 52:22;138:2 iron (1) 145:2 Ironically (1) 112:17	124:3 IWPAs (1) 60:20 J jam (1) 153:3 Janet (3) 4:20;17:4;73:5 January (15) 8:1,6;13:2,3,5; 20:19;21:21;22:17, 19,22;23:13;24:22; 35:15;54:24;104:14 job (5) 45:17;65:5;124:2; 135:21;158:17 jobs (2) 131:4;146:18	L labeled (1) 63:21 lack (1) 78:6 Ladies (1) 36:12 laid (1) 58:4 lake (2) 65:20,23 land (15) 6:11;44:2;63:1; 65:17;66:1,8;67:7; 68:19,22;69:1,7;74:3, 13,13,14 landfill (85)	last (10) 47:14;49:23;71:8; 98:4,6;111:2;114:22; 122:23;135:8;144:22 late (4) 55:12;86:8;128:19; 148:16 later (5) 19:17;27:22;41:21; 62:3;114:13 latex (1) 45:15 latitude (1) 112:2 latrines (1) 18:8 law (16) 5:4;7:21;8:10,23; 9:3,5;18:19,22;19:18, 23;22:2,20;24:23;	LEC (1) 69:13 led (1) 106:17 leeway (1) 114:6 left (1) 57:8 legal (4) 7:22;11:20;21:16; 26:18 legible (1) 61:17 legislation (1) 39:10 legislature (1) 18:11 lends (1) 107:1
introductions (1) 7:18 introductory (1) 11:16 invest (1) 96:8 investigation (1) 49:6 investment (1) 122:1 involved (7) 17:20,22;19:2; 44:20;53:12;137:18; 150:6 involvement (2) 52:22;138:2 iron (1) 145:2 Ironically (1) 112:17 irreducible (2)	124:3 IWPAs (1) 60:20 J jam (1) 153:3 Janet (3) 4:20;17:4;73:5 January (15) 8:1,6;13:2,3,5; 20:19;21:21;22:17, 19,22;23:13;24:22; 35:15;54:24;104:14 job (5) 45:17;65:5;124:2; 135:21;158:17 jobs (2) 131:4;146:18 John (5)	L labeled (1) 63:21 lack (1) 78:6 Ladies (1) 36:12 laid (1) 58:4 lake (2) 65:20,23 land (15) 6:11;44:2;63:1; 65:17;66:1,8;67:7; 68:19,22;69:1,7;74:3, 13,13,14 landfill (85) 6:14,15,17,19,19;	last (10) 47:14;49:23;71:8; 98:4,6;111:2;114:22; 122:23;135:8;144:22 late (4) 55:12;86:8;128:19; 148:16 later (5) 19:17;27:22;41:21; 62:3;114:13 latex (1) 45:15 latitude (1) 112:2 latrines (1) 18:8 law (16) 5:4;7:21;8:10,23; 9:3,5;18:19,22;19:18, 23;22:2,20;24:23; 25:7;78:12;89:24	LEC (1) 69:13 led (1) 106:17 leeway (1) 114:6 left (1) 57:8 legal (4) 7:22;11:20;21:16; 26:18 legible (1) 61:17 legislation (1) 39:10 legislature (1) 18:11 lends (1) 107:1 lengthen (1) 145:20
introductions (1) 7:18 introductory (1) 11:16 invest (1) 96:8 investigation (1) 49:6 investment (1) 122:1 involved (7) 17:20,22;19:2; 44:20;53:12;137:18; 150:6 involvement (2) 52:22;138:2 iron (1) 145:2 Ironically (1) 112:17 irreducible (2) 46:11;97:22	124:3 IWPAs (1) 60:20 J jam (1) 153:3 Janet (3) 4:20;17:4;73:5 January (15) 8:1,6;13:2,3,5; 20:19;21:21;22:17, 19,22;23:13;24:22; 35:15;54:24;104:14 job (5) 45:17;65:5;124:2; 135:21;158:17 jobs (2) 131:4;146:18 John (5) 8:22;80:1,23;	L labeled (1) 63:21 lack (1) 78:6 Ladies (1) 36:12 laid (1) 58:4 lake (2) 65:20,23 land (15) 6:11;44:2;63:1; 65:17;66:1,8;67:7; 68:19,22;69:1,7;74:3, 13,13,14 landfill (85) 6:14,15,17,19,19; 7:6;8:4;19:24;24:1;	last (10) 47:14;49:23;71:8; 98:4,6;111:2;114:22; 122:23;135:8;144:22 late (4) 55:12;86:8;128:19; 148:16 later (5) 19:17;27:22;41:21; 62:3;114:13 latex (1) 45:15 latitude (1) 112:2 latrines (1) 18:8 law (16) 5:4;7:21;8:10,23; 9:3,5;18:19,22;19:18, 23;22:2,20;24:23; 25:7;78:12;89:24 Laws (3)	LEC (1) 69:13 led (1) 106:17 leeway (1) 114:6 left (1) 57:8 legal (4) 7:22;11:20;21:16; 26:18 legible (1) 61:17 legislation (1) 39:10 legislature (1) 18:11 lends (1) 107:1 lengthen (1) 145:20 lengthy (1)
introductions (1) 7:18 introductory (1) 11:16 invest (1) 96:8 investigation (1) 49:6 investment (1) 122:1 involved (7) 17:20,22;19:2; 44:20;53:12;137:18; 150:6 involvement (2) 52:22;138:2 iron (1) 145:2 Ironically (1) 112:17 irreducible (2) 46:11;97:22 Island (1)	124:3 IWPAs (1) 60:20 J jam (1) 153:3 Janet (3) 4:20;17:4;73:5 January (15) 8:1,6;13:2,3,5; 20:19;21:21;22:17, 19,22;23:13;24:22; 35:15;54:24;104:14 job (5) 45:17;65:5;124:2; 135:21;158:17 jobs (2) 131:4;146:18 John (5) 8:22;80:1,23; 81:22;126:3	L labeled (1) 63:21 lack (1) 78:6 Ladies (1) 36:12 laid (1) 58:4 lake (2) 65:20,23 land (15) 6:11;44:2;63:1; 65:17;66:1,8;67:7; 68:19,22;69:1,7;74:3, 13,13,14 landfill (85) 6:14,15,17,19,19; 7:6;8:4;19:24;24:1; 29:21,23;33:1;34:19;	last (10) 47:14;49:23;71:8; 98:4,6;111:2;114:22; 122:23;135:8;144:22 late (4) 55:12;86:8;128:19; 148:16 later (5) 19:17;27:22;41:21; 62:3;114:13 latex (1) 45:15 latitude (1) 112:2 latrines (1) 18:8 law (16) 5:4;7:21;8:10,23; 9:3,5;18:19,22;19:18, 23;22:2,20;24:23; 25:7;78:12;89:24 Laws (3) 7:11;16:3;18:13	LEC (1) 69:13 led (1) 106:17 leeway (1) 114:6 left (1) 57:8 legal (4) 7:22;11:20;21:16; 26:18 legible (1) 61:17 legislation (1) 39:10 legislature (1) 18:11 lends (1) 107:1 lengthen (1) 145:20 lengthy (1) 100:20
introductions (1) 7:18 introductory (1) 11:16 invest (1) 96:8 investigation (1) 49:6 investment (1) 122:1 involved (7) 17:20,22;19:2; 44:20;53:12;137:18; 150:6 involvement (2) 52:22;138:2 iron (1) 145:2 Ironically (1) 112:17 irreducible (2) 46:11;97:22 Island (1) 52:9	124:3 IWPAs (1) 60:20 J jam (1) 153:3 Janet (3) 4:20;17:4;73:5 January (15) 8:1,6;13:2,3,5; 20:19;21:21;22:17, 19,22;23:13;24:22; 35:15;54:24;104:14 job (5) 45:17;65:5;124:2; 135:21;158:17 jobs (2) 131:4;146:18 John (5) 8:22;80:1,23; 81:22;126:3 joint (9)	L labeled (1) 63:21 lack (1) 78:6 Ladies (1) 36:12 laid (1) 58:4 lake (2) 65:20,23 land (15) 6:11;44:2;63:1; 65:17;66:1,8;67:7; 68:19,22;69:1,7;74:3, 13,13,14 landfill (85) 6:14,15,17,19,19; 7:6;8:4;19:24;24:1; 29:21,23;33:1;34:19; 37:24;38:14;40:9;	last (10) 47:14;49:23;71:8; 98:4,6;111:2;114:22; 122:23;135:8;144:22 late (4) 55:12;86:8;128:19; 148:16 later (5) 19:17;27:22;41:21; 62:3;114:13 latex (1) 45:15 latitude (1) 112:2 latrines (1) 18:8 law (16) 5:4;7:21;8:10,23; 9:3,5;18:19,22;19:18, 23;22:2,20;24:23; 25:7;78:12;89:24 Laws (3) 7:11;16:3;18:13 Lawyers (4)	LEC (1) 69:13 led (1) 106:17 leeway (1) 114:6 left (1) 57:8 legal (4) 7:22;11:20;21:16; 26:18 legible (1) 61:17 legislation (1) 39:10 legislature (1) 18:11 lends (1) 107:1 lengthen (1) 145:20 lengthy (1) 100:20 less (1)
introductions (1) 7:18 introductory (1) 11:16 invest (1) 96:8 investigation (1) 49:6 investment (1) 122:1 involved (7) 17:20,22;19:2; 44:20;53:12;137:18; 150:6 involvement (2) 52:22;138:2 iron (1) 145:2 Ironically (1) 112:17 irreducible (2) 46:11;97:22 Island (1) 52:9 isolate (1)	J jam (1) 153:3 Janet (3) 4:20;17:4;73:5 January (15) 8:1,6;13:2,3,5; 20:19;21:21;22:17, 19,22;23:13;24:22; 35:15;54:24;104:14 job (5) 45:17;65:5;124:2; 135:21;158:17 jobs (2) 131:4;146:18 John (5) 8:22;80:1,23; 81:22;126:3 joint (9) 45:24;46:1;67:12;	L labeled (1) 63:21 lack (1) 78:6 Ladies (1) 36:12 laid (1) 58:4 lake (2) 65:20,23 land (15) 6:11;44:2;63:1; 65:17;66:1,8;67:7; 68:19,22;69:1,7;74:3, 13,13,14 landfill (85) 6:14,15,17,19,19; 7:6;8:4;19:24;24:1; 29:21,23;33:1;34:19; 37:24;38:14;40:9; 41:9,19;43:15,17;	last (10) 47:14;49:23;71:8; 98:4,6;111:2;114:22; 122:23;135:8;144:22 late (4) 55:12;86:8;128:19; 148:16 later (5) 19:17;27:22;41:21; 62:3;114:13 latex (1) 45:15 latitude (1) 112:2 latrines (1) 18:8 law (16) 5:4;7:21;8:10,23; 9:3,5;18:19,22;19:18, 23;22:2,20;24:23; 25:7;78:12;89:24 Laws (3) 7:11;16:3;18:13 Lawyers (4) 9:5,6,7;16:23	LEC (1) 69:13 led (1) 106:17 leeway (1) 114:6 left (1) 57:8 legal (4) 7:22;11:20;21:16; 26:18 legible (1) 61:17 legislation (1) 39:10 legislature (1) 18:11 lends (1) 107:1 lengthen (1) 145:20 lengthy (1) 100:20 less (1) 114:20
introductions (1) 7:18 introductory (1) 11:16 invest (1) 96:8 investigation (1) 49:6 investment (1) 122:1 involved (7) 17:20,22;19:2; 44:20;53:12;137:18; 150:6 involvement (2) 52:22;138:2 iron (1) 145:2 Ironically (1) 112:17 irreducible (2) 46:11;97:22 Island (1) 52:9 isolate (1) 117:11	J jam (1) 153:3 Janet (3) 4:20;17:4;73:5 January (15) 8:1,6;13:2,3,5; 20:19;21:21;22:17, 19,22;23:13;24:22; 35:15;54:24;104:14 job (5) 45:17;65:5;124:2; 135:21;158:17 jobs (2) 131:4;146:18 John (5) 8:22;80:1,23; 81:22;126:3 joint (9) 45:24;46:1;67:12; 74:15,17;78:1;87:21;	L labeled (1) 63:21 lack (1) 78:6 Ladies (1) 36:12 laid (1) 58:4 lake (2) 65:20,23 land (15) 6:11;44:2;63:1; 65:17;66:1,8;67:7; 68:19,22;69:1,7;74:3, 13,13,14 landfill (85) 6:14,15,17,19,19; 7:6;8:4;19:24;24:1; 29:21,23;33:1;34:19; 37:24;38:14;40:9; 41:9,19;43:15,17; 45:6;46:9,15,23;	last (10) 47:14;49:23;71:8; 98:4,6;111:2;114:22; 122:23;135:8;144:22 late (4) 55:12;86:8;128:19; 148:16 later (5) 19:17;27:22;41:21; 62:3;114:13 latex (1) 45:15 latitude (1) 112:2 latrines (1) 18:8 law (16) 5:4;7:21;8:10,23; 9:3,5;18:19,22;19:18, 23;22:2,20;24:23; 25:7;78:12;89:24 Laws (3) 7:11;16:3;18:13 Lawyers (4) 9:5,6,7;16:23 lay (1)	LEC (1) 69:13 led (1) 106:17 leeway (1) 114:6 left (1) 57:8 legal (4) 7:22;11:20;21:16; 26:18 legible (1) 61:17 legislation (1) 39:10 legislature (1) 18:11 lends (1) 107:1 lengthen (1) 145:20 lengthy (1) 100:20 less (1) 114:20 lessening (1)
introductions (1) 7:18 introductory (1) 11:16 invest (1) 96:8 investigation (1) 49:6 investment (1) 122:1 involved (7) 17:20,22;19:2; 44:20;53:12;137:18; 150:6 involvement (2) 52:22;138:2 iron (1) 145:2 Ironically (1) 112:17 irreducible (2) 46:11;97:22 Island (1) 52:9 isolate (1) 117:11 issue (14)	J jam (1) 153:3 Janet (3) 4:20;17:4;73:5 January (15) 8:1,6;13:2,3,5; 20:19;21:21;22:17, 19,22;23:13;24:22; 35:15;54:24;104:14 job (5) 45:17;65:5;124:2; 135:21;158:17 jobs (2) 131:4;146:18 John (5) 8:22;80:1,23; 81:22;126:3 joint (9) 45:24;46:1;67:12; 74:15,17;78:1;87:21; 88:11,13	L labeled (1) 63:21 lack (1) 78:6 Ladies (1) 36:12 laid (1) 58:4 lake (2) 65:20,23 land (15) 6:11;44:2;63:1; 65:17;66:1,8;67:7; 68:19,22;69:1,7;74:3, 13,13,14 landfill (85) 6:14,15,17,19,19; 7:6;8:4;19:24;24:1; 29:21,23;33:1;34:19; 37:24;38:14;40:9; 41:9,19;43:15,17; 45:6;46:9,15,23; 49:9;56:10;57:5,13,	last (10) 47:14;49:23;71:8; 98:4,6;111:2;114:22; 122:23;135:8;144:22 late (4) 55:12;86:8;128:19; 148:16 later (5) 19:17;27:22;41:21; 62:3;114:13 latex (1) 45:15 latitude (1) 112:2 latrines (1) 18:8 law (16) 5:4;7:21;8:10,23; 9:3,5;18:19,22;19:18, 23;22:2,20;24:23; 25:7;78:12;89:24 Laws (3) 7:11;16:3;18:13 Lawyers (4) 9:5,6,7;16:23 lay (1) 133:3	LEC (1) 69:13 led (1) 106:17 leeway (1) 114:6 left (1) 57:8 legal (4) 7:22;11:20;21:16; 26:18 legible (1) 61:17 legislation (1) 39:10 legislature (1) 18:11 lends (1) 107:1 lengthen (1) 145:20 lengthy (1) 100:20 less (1) 114:20 lessening (1) 123:14
introductions (1) 7:18 introductory (1) 11:16 invest (1) 96:8 investigation (1) 49:6 investment (1) 122:1 involved (7) 17:20,22;19:2; 44:20;53:12;137:18; 150:6 involvement (2) 52:22;138:2 iron (1) 145:2 Ironically (1) 112:17 irreducible (2) 46:11;97:22 Island (1) 52:9 isolate (1) 117:11 issue (14) 7:16;8:20;28:1;	J jam (1) 153:3 Janet (3) 4:20;17:4;73:5 January (15) 8:1,6;13:2,3,5; 20:19;21:21;22:17, 19,22;23:13;24:22; 35:15;54:24;104:14 job (5) 45:17;65:5;124:2; 135:21;158:17 jobs (2) 131:4;146:18 John (5) 8:22;80:1,23; 81:22;126:3 joint (9) 45:24;46:1;67:12; 74:15,17;78:1;87:21; 88:11,13 Jordan (1)	L labeled (1) 63:21 lack (1) 78:6 Ladies (1) 36:12 laid (1) 58:4 lake (2) 65:20,23 land (15) 6:11;44:2;63:1; 65:17;66:1,8;67:7; 68:19,22;69:1,7;74:3, 13,13,14 landfill (85) 6:14,15,17,19,19; 7:6;8:4;19:24;24:1; 29:21,23;33:1;34:19; 37:24;38:14;40:9; 41:9,19;43:15,17; 45:6;46:9,15,23; 49:9;56:10;57:5,13, 18,19;58:12,24;59:2,	last (10) 47:14;49:23;71:8; 98:4,6;111:2;114:22; 122:23;135:8;144:22 late (4) 55:12;86:8;128:19; 148:16 later (5) 19:17;27:22;41:21; 62:3;114:13 latex (1) 45:15 latitude (1) 112:2 latrines (1) 18:8 law (16) 5:4;7:21;8:10,23; 9:3,5;18:19,22;19:18, 23;22:2,20;24:23; 25:7;78:12;89:24 Laws (3) 7:11;16:3;18:13 Lawyers (4) 9:5,6,7;16:23 lay (1) 133:3 layer (12)	LEC (1) 69:13 led (1) 106:17 leeway (1) 114:6 left (1) 57:8 legal (4) 7:22;11:20;21:16; 26:18 legible (1) 61:17 legislation (1) 39:10 legislature (1) 18:11 lends (1) 107:1 lengthen (1) 145:20 lengthy (1) 100:20 less (1) 114:20 lessening (1) 123:14 letter (7)
introductions (1) 7:18 introductory (1) 11:16 invest (1) 96:8 investigation (1) 49:6 investment (1) 122:1 involved (7) 17:20,22;19:2; 44:20;53:12;137:18; 150:6 involvement (2) 52:22;138:2 iron (1) 145:2 Ironically (1) 112:17 irreducible (2) 46:11;97:22 Island (1) 52:9 isolate (1) 117:11 issue (14)	J jam (1) 153:3 Janet (3) 4:20;17:4;73:5 January (15) 8:1,6;13:2,3,5; 20:19;21:21;22:17, 19,22;23:13;24:22; 35:15;54:24;104:14 job (5) 45:17;65:5;124:2; 135:21;158:17 jobs (2) 131:4;146:18 John (5) 8:22;80:1,23; 81:22;126:3 joint (9) 45:24;46:1;67:12; 74:15,17;78:1;87:21; 88:11,13	L labeled (1) 63:21 lack (1) 78:6 Ladies (1) 36:12 laid (1) 58:4 lake (2) 65:20,23 land (15) 6:11;44:2;63:1; 65:17;66:1,8;67:7; 68:19,22;69:1,7;74:3, 13,13,14 landfill (85) 6:14,15,17,19,19; 7:6;8:4;19:24;24:1; 29:21,23;33:1;34:19; 37:24;38:14;40:9; 41:9,19;43:15,17; 45:6;46:9,15,23; 49:9;56:10;57:5,13,	last (10) 47:14;49:23;71:8; 98:4,6;111:2;114:22; 122:23;135:8;144:22 late (4) 55:12;86:8;128:19; 148:16 later (5) 19:17;27:22;41:21; 62:3;114:13 latex (1) 45:15 latitude (1) 112:2 latrines (1) 18:8 law (16) 5:4;7:21;8:10,23; 9:3,5;18:19,22;19:18, 23;22:2,20;24:23; 25:7;78:12;89:24 Laws (3) 7:11;16:3;18:13 Lawyers (4) 9:5,6,7;16:23 lay (1) 133:3	LEC (1) 69:13 led (1) 106:17 leeway (1) 114:6 left (1) 57:8 legal (4) 7:22;11:20;21:16; 26:18 legible (1) 61:17 legislation (1) 39:10 legislature (1) 18:11 lends (1) 107:1 lengthen (1) 145:20 lengthy (1) 100:20 less (1) 114:20 lessening (1) 123:14

Before Hearing Office	r John F. Shea			February 2, 2022
87:13;120:19;	list (5)	long-term (3)	maintananaa (2)	115.19.150.00
124:17;142:4	22:11,14,24;23:9;	45:10;47:2;48:22	maintenance (2)	115:18;158:22
letters (1)	136:19	long-winded (1)	21:12;41:15	MassDEP (39)
137:21	listed (5)	29:1	major (7)	7:13,15;8:1,8,11;
level (5)	23:1;24:4;60:16;	look (10)	4:11;8:5;11:10; 13:16;15:2;19:24;	15:14;16:6;17:1,12;
49:22;56:15;76:23;	62:3;72:17	42:9;43:18;45:18;	54:7	19:10,17,20;20:2,18;
101:17;102:23	listen (1)	61:16;94:21;95:12,	majority (2)	21:2,3,10,19;22:1,6,
LFG (2)	32:15	13,15;108:22;132:11	51:9;52:18	8,21;23:12,16;24:5;
93:17,19	listening (1)	looked (3)	making (4)	25:4;30:11,19;60:11; 64:8;84:23;100:16;
license (1)	16:15	91:11;95:16;	15:9,18;65:8;122:1	104:13,22;105:11;
52:6	lists (1)	109:22	management (23)	111:9;121:23;
Licensed (5)	150:8	looking (9)	4:10,14;11:10,13;	124:16;137:20
52:5;58:22;69:12;	litigation (1)	33:12;50:18;87:3;	29:14;30:24;34:4;	master (1)
77:12;116:5	9:5	123:8;130:2,2;135:7;	39:11,14,20;42:19;	40:16
licenses (2)	litter (4)	146:13;151:22	45:22;48:23;72:23;	match (1)
52:2,5	74:21;77:4,4,6	looks (4)	82:8,12;83:20,22;	59:10
lies (1)	little (31)	54:10;101:4;	84:1;97:14;98:24;	matched (1)
117:23	14:23;17:18;19:3;	113:18;136:6	107:11;115:5	92:21
life (4)	23:11;38:19;40:2,21;	lose (4)	manager (8)	material (17)
7:5;43:14;46:23;	41:21;43:10;50:14;	108:16;109:7;	30:23;34:3,8,9,12;	7:1;15:3;23:2;
57:5	55:19;73:4;81:4;	128:5;159:6	36:24;37:3;51:8	58:7;79:2;105:13;
light (1)	85:19,20;90:12;97:6;	lot (14)	manages (1)	106:19,22;108:8,18;
27:5	110:12;112:1;	36:17;78:24;88:24;	45:8	109:19;110:3;112:7;
lights (1)	113:18;114:23;	89:1;94:9,10,15;	managing (2)	113:4,23;131:22;
35:8	116:20,21;127:11;	107:1,3,4;122:17,18;	48:21;95:1	133:1
liked (1)	129:3;132:13;	132:8;149:19	mandate (1)	materials (17)
157:17	133:16;135:7;	louder (2)	101:14	29:22;77:9,16,16;
limit (5)	146:20;148:23;150:5	90:4,12	maneuver (1)	86:15;87:14;112:6;
49:19;111:15,20;	littler (1)	love (1)	78:24	130:16,17;137:4;
146:5,7	90:4	29:16	manmade (2)	143:1;147:4;149:11;
limitations (1) 25:15	live (2)	lower (3)	130:17;132:4	152:9;157:22,23;
limited (8)	156:16;158:4	97:7;100:6;117:1	manner (1)	158:3
25:12;28:4,8;43:8;	live-action (1) 154:8	low-permeability (1) 130:18	139:11	matted (1)
69:15;71:20;77:18;	lives (1)	low-quality (1)	Manor (1)	103:9
98:7	24:20	96:5	67:2 many (4)	matter (2)
limits (5)	living (1)	low-volume (1)	17:19;19:5;30:18;	35:3;109:7
105:14;111:9;	135:4	96:5	120:5	matters (3) 11:21,23;21:16
119:14,16;121:4	load (2)	70.3	map (6)	mattress (1)
line (13)	91:5;94:4	M	37:16;41:23,24;	45:15
57:10;67:4,9,9,11,	local (7)	***	49:13;67:6;69:19	maximize (1)
13;69:19;70:5,7,9;	16:11;18:2;42:16;	ma'am (1)	mapping (1)	58:5
74:2;127:5;129:3	48:13;84:6;87:23;	34:21	70:9	maximizing (2)
liner (32)	96:17	MacArthur (4)	March (5)	46:14,21
40:10;58:16,18;	locate (1)	34:16,18,22;53:8	14:19,20;28:2;	maximum (7)
64:21;65:6;68:2,3;	109:19	Mackenzie (3)	54:8;139:6	6:21;7:1;64:20,21;
93:4,6,7,9,15;99:24;	located (5)	9:19;10:1,24	marked (1)	65:4;100:1;103:23
101:4,5;102:18;	53:7;73:20,22;	Mackey (1)	62:2	max-out (1)
103:7,19,20;104:15;	74:1;127:15	9:23	market (1)	97:7
117:1,20;129:24,24;	location (6)	Mackie (1)	39:24	may (25)
130:15;131:11;	34:19;41:3,14;	8:23	marketplace (1)	9:12;13:23;14:10;
132:10;133:10,12;	59:23;70:2;85:10	mail (5)	43:9	15:11;18:16;24:13;
134:17,17,18	locations (1)	8:7;140:2,7,11;	marks (1)	31:22;48:8;86:16,17;
liners (2)	60:19	141:2	61:18	88:9;89:18;90:10;
68:5;104:20	long (8)	mailed (1)	Martindale-Hubbell (1)	101:7;114:11;
lines (3)	34:5;51:13;72:1;	8:7	9:6	116:19;117:20;
71:22,22;128:1	78:10;86:6;133:22;		Mass (4)	131:7;142:7,19;
lining (1)	137:19;150:7	140:9;150:10	16:3;23:3;71:15,20	143:12,17;147:17;
42:5 Links (1)	longer (3)		MASSACHUSETTS (17)	153:20;155:8
98:18	74:11;124:20; 151:14	78:16;96:16;106:5;	4:4;7:11;9:2;	maybe (9)
Lisa (2)	long-haul (2)	114:15;135:1	19:15;40:9,18;42:23;	17:21;23:4;42:21;
24:22;26:24	91:22;92:1	maintained (2)	48:2,3;52:5,8;62:6;	54:3;93:21;100:24;
₽ 1.44,4V.4T	11.44,74.1	78:20;121:7	73:15;98:22;106:20;	102:6;133:6;156:11

Delore Hearing Officer	John F. Shea			rebruary 2, 2022
MaNally (2)	16.2.20.2.52.21.	minute (4)	Mast (12)	Marambayla (1)
McNally (2)	16:2;30:3;53:21;	minute (4)	Most (12)	Murphy's (1)
24:20;25:9	57:2;86:11;89:1;	27:4;41:6;50:15;	43:4,12;46:2;	137:17
MDC (1)	154:19	120:15	52:17;77:10;87:20;	must (10)
74:10	mentioning (1)	minutes (1)	88:15;96:10;112:6;	14:18;20:23;21:9;
mean (10)	44:12	80:18	123:11;130:20;	26:22;30:5,8;59:18;
39:18;49:21;51:12;	MEPA (10)	misplaced (1)	149:23	69:4;85:9;125:2
56:15;97:17;108:1;	19:16;20:2,9,16;	27:13	mostly (1)	
				mute (5)
140:10;143:7;	47:16;48:12;53:1;	missed (2)	158:21	11:23;50:7;81:3,8;
145:15;157:17	60:9;76:7,10	28:12;48:8	motion (7)	119:4
meaning (1)	message (2)	misspoke (1)	5:20,22;6:1;	muted (3)
77:6	10:7;12:16	23:21	159:11,14,20;160:2	32:9;81:9,24
means (4)	met (2)	mistakes (1)	motions (1)	muting (1)
70:14;90:10;	71:8;118:3	110:14	15:8	12:7
141:12;146:23	metal (1)		move (19)	
1		mitigate (1)		myself (1)
meant (1)	134:1	83:1	36:16;39:17;41:19;	89:18
47:13	MeTV (1)	model (8)	43:22;44:8,14,24;	
measure (3)	12:4	90:19,23;91:18,19;	45:1;46:14;47:6;	\mathbf{N}
109:5;133:13;	Michelle (6)	97:1,1;98:9;120:1	49:8;58:2;68:15;	
134:11	13:1;29:11;88:7;	modeling (2)	81:4,10;94:18;96:24;	nail (4)
mechanical (2)	101:6;102:4;136:22	90:24,24	102:1;135:3	131:16,17,22;
134:1,3				
	microbiologist (1)	modification (23)	moved (1)	134:19
meet (13)	112:19	4:11;8:5;11:11;	43:21	name (12)
27:16;63:4,15;	microphone (2)	13:16;15:2,5,19;20:1,	moves (2)	4:7;9:23;10:20,23;
68:6,14;75:2;79:24;	33:3;119:1	24;21:9;23:17;24:15;	38:14,15	26:13;29:11;33:20,
85:10;97:10;104:8;	microscope (1)	29:19;30:4;32:24;	moving (5)	21;45:16;51:2,5;
114:4;149:23;154:7	110:11	53:24;54:7;56:13;	40:11;42:6;45:20;	98:21
MEETING (13)	Mieier (1)	57:4;60:14;85:13;	50:13;127:19	narrative (1)
4:2;5:4,23;8:10;	126:8	90:16;96:15	MSW (14)	99:17
14:17;22:2;44:14;	might (12)	modifications (1)	42:17;43:21;44:17;	National (2)
45:24;46:1;80:6;	17:24;39:4;40:1;	41:10	91:7,8,18;94:12,18,	72:18;76:15
146:11;150:21;	110:11;111:22;	modified (3)	19;97:1,19,20;	nationally (1)
157:14	139:2;142:8,14;	55:11;119:15;	105:22;115:7	124:4
meetings (6)	149:22;154:23;	121:4	much (12)	natural (8)
10:17;12:14;16:11;	157:4,6	modify (1)	47:14;56:6;83:15;	58:7;68:21,22;
48:15;146:7;159:9	mighty (1)	56:20	95:19;101:9;105:24;	72:18;73:9,10;79:20;
meets (18)	148:22	moment (3)	111:17;112:23;	115:15
60:12;62:15;64:17;	migration (1)	38:17;40:21;148:5	113:23;134:5;	nature (5)
65:16,24;66:6;69:24;	106:5	Monday (2)	145:23;147:7	80:21;86:13;91:19;
72:11;73:17;74:4,23;	mil (1)	14:22;151:1	multiple (2)	115:1;130:16
78:13;79:3;83:19;	109:21	money (1)	40:19;106:12	NCP (1)
84:8;85:5;86:1;	mild (1)	97:10	municipal (5)	125:14
104:15	67:5	Money-wise (1)	24:7;46:9;74:10;	near (1)
Meier (14)	mile (1)	122:22	77:17;120:6	115:2
5:10,11,22;6:2,3,4;	62:1			
		monitor (1)	municipalities (1)	necessarily (1)
126:9;150:4,5;	miles (2)	117:12	40:2	94:11
159:13;160:1,3,8,9	60:23;78:2	monitored (2)	municipality's (1)	necessary (11)
melding (1)	million (9)	64:23;133:12	63:5	12:22;18:16;20:6;
130:15	58:6;63:13,14;	monitoring (10)	municipal's (1)	40:3;46:20;86:20;
member (4)	105:3,6,9;111:21;	47:20;59:10,12,13;	83:19	97:3;142:11;145:11;
15:21;27:1;126:4;	114:1;123:2	65:1,2;104:19;117:6;	Murphy (44)	152:22;158:4
159:11	mind (2)	124:19;129:12	7:22;89:17;96:22;	need (21)
members (14)	44:8;136:7			
		months (1)	98:12,13,17,21,22;	4:19,24;12:17,19,
4:17;5:18,21;	mindset (1)	78:10	99:13,14,19,20,21;	20;17:6;49:15;80:11,
12:17;17:21;29:10;	122:7	moon (1)	100:23;101:23,24;	22;81:10;115:17;
33:14;80:6;89:18;	minimize (1)	50:4	104:11,18,24;105:10;	119:15;145:8,18;
126:1;130:6;147:1,	17:15	more (21)	106:9,15;110:24;	146:14;152:24;
11;149:14	minimum (6)	17:6;20:6;31:17;	111:4,16,19;115:9,	154:11;156:4,5,15;
membrane (1)	12:1;46:11;78:17;	32:15;40:21;42:13;	23;116:6,10,23;	158:6
93:10	97:22;103:22;130:21	61:17;77:20;80:16;	117:21;119:13;	needed (9)
ı				
mention (5)	minor (2)	81:17;85:24;88:15;	120:2,10,12;121:1,	34:17;48:9;63:11;
49:7;55:14;88:9;	128:23;129:7	94:19,19,20;95:12;	14;124:15;125:16;	76:6,11;92:10;100:7;
114:6;120:16	Mintz (2)	113:21;120:3;122:6;	126:17;129:24;	110:15;156:12
mentioned (7)	37:2;135:20	127:11;154:22	137:7;138:4	needing (1)

Before Hearing Office	r John F. Shea			February 2, 2022
18:12	28:22;112:14	objection (1)	offering (1)	129:8;132:15;135:8,
needn't (1)	normal (1)	101:8	35:19	8;136:5;138:18,18;
152:6	106:4	objective (2)	Office (6)	139:15;142:2,5;
needs (14)	normally (1)	18:21;19:20	8:2;20:10,10;48:4;	155:6
63:5;83:22;120:23;	128:8	O'BRIEN (73)	55:19;150:24	one-foot (1)
138:7,10,24;139:4,5;		9:11;10:1;13:1;	OFFICER (90)	103:7
145:4,4;147:5,7;	38:15;44:8;57:8	28:18,22;29:3,6,11;	5:17;7:7;8:15,22,	onerous (1)
148:14;157:14	Northeastern (1)	32:8,17;33:8,23;34:5,	24;9:2;10:6;11:5,18;	39:5
neither (1)	51:23	10,18,22;35:1,5,17,	13:18;14:3,6,10;	ones (1)
146:24	notably (1)	24;36:7;37:4,7,16,20;	16:23;28:14,16,20,	95:3
network (2)	87:21	49:11;50:5,6;51:1,11,	24;29:7;30:22;31:20;	one's (1)
59:3;124:19	Note (5)	17,20;52:1,10,20;	32:1,2;33:4,7;35:7,	93:21
new (17)	4:15;20:8;102:6;	53:6,11,20;54:2,11,	18,22;37:11,18;	only (14)
6:15;12:14;40:4,4;	140:11;143:8	14,18,21;55:2,7,13;	38:19;48:6;50:11;	17:13;20:8;47:15;
41:15;43:13;59:3;	noted (6)	56:3;81:2,7,13,21;	54:17;73:1,3;80:2,8,	66:17;80:16;84:18,
70:19;82:7,12,23;	9:20;66:11;67:1;	82:3;85:18;87:6;	15,19;81:1,5,12,19;	24;119:6;120:2;
92:22;96:13;99:2;	104:13;115:13;	88:5,8;92:2,9;100:9;		
126:20;156:22;159:7		102:5;118:24;	82:2;86:3,23;88:6,	133:14,17;140:12;
newly (1)	notes (3)	120:12;136:24;	20;89:12,17,20,21; 98:11,15,20;99:13,	151:12;156:19
93:5	46:5;111:6;124:20	139:13;141:12;		onset (1)
news (1)	notice (11)		15;100:18;101:8,21;	144:15
139:18	8:4,9;20:9;21:24;	142:16,17,19;143:7;	125:19,23;136:20;	on-site (2)
newspaper (2)		147:17;153:20;	137:1;140:17;	72:5;96:17
11:4;22:1	22:1;38:8,13;43:15;	154:1;156:3	141:21;142:16,22;	onto (3)
	44:8;134:22;140:13	obtain (2)	143:14,17,19;144:14,	50:7;79:1;151:9
next (19)	noticed (4) 9:12,13;14:17;80:5	21:9;63:10	24;147:2;148:20;	open (9)
40:23;61:14;70:24;	1	obvious (1)	151:12;152:3,17;	5:4,6,19,21,22;8:9;
72:13;74:5;80:21;	notices (2)	69:22	154:8;155:18,19,20,	22;2;31:19;74:6
86:11,16;114:19;	8:7;22:3	obviously (16)	23;156:2,13;157:7,	opened (2)
115:10,10,24;116:11,	notifications (1)	31:8;32:21;33:13;	10;158:13;160:16	13:15;103:3
24;119:14;123:6;	22:2	35:20;36:14,20;	officer's (2)	opening (1)
145:14,21;157:3	notified (1)	37:24;40:12;41:10;	29:18;31:13	29:18
NHESP (1)	88:16	55:14;85:21;94:19;	offices (3)	operate (4)
72:21 NHSEP (4)	notify (1)	95:7;102:8;139:18;	41:15;42:8;99:3	21:11;47:18;53:4;
	129:12	148:3	off-materials (1)	78:16
73:15;115:16,18,	noting (1)	occasion (1)	112:13	operated (1)
21	40:7	12:9	offset (6)	39:15
nice (2)	notwithstanding (1)	occupied (2)	69:21;70:6,10;	operates (1)
54:12;107:7	80:20	66:3,16	121:13;127:2,5	47:23
nicely (1)	November (3)	occupies (1)	offshoots (2)	operating (3)
107:2	20:12;22:21;46:12	56:10	112:7,13	75:16;105:7;
night (7)	nowhere (1)	occur (1)	offsite (2)	151:16
44:23;46:5;137:14;	115:2	78:9	58:22;116:4	operation (8)
146:6;160:17,19,21	nuisance (1)	occurrences (1)	off-site (1)	14:21;39:15;69:18;
nineteen (1)	76:19	71:18	94:4	70:20;71:3;76:18;
38:23	nuisances (1)	o'clock (1)	often (1)	128:14,14
nobody (1)	76:17	146:5	55:19	operations (15)
135:23	number (13)	odor (7)	old (3)	21:12;34:8;37:2;
noise (7)	18:20;26:17;33:14;	59:8;74:21;106:1,	94:12;108:23;	38:21;41:17,20;
11:24;12:4,7;	63:17;64:19;75:10;	11,17;109:7;111:1	124:2	42:14,17;46:22;
74:21;76:22;90:6,9	91:3,20;105:4;	Odors (9)	oldest (1)	47:23;74:18;78:6;
noisome (1)	115:13;117:22;	77:15,15;106:12,	42:1	85:3;107:17;129:12
18:7	120:4;121:2	14;114:14,14;129:13,	once (2)	operations/maintenance (1)
nonparty (1)	numerically (1)	15,16	114:16;119:15	34:15
159:1	42:3	off (14)	one (39)	opinion (1)
non-potential (5)	numerous (1)	35:8,19;51:12;	5:21;26:7;37:13;	143:8
64:1,2,10,16;125:9	124:20	72:7;94:21;95:21;	41:10;42:2;53:18;	opportunity (3)
nonprofit (1)	_	99:15;107:12;112:7,	62:2,8;65:10;68:19;	56:7;143:19;152:8
74:14	0	12;113:4;133:15;	69:1;71:5,9;85:21,	opposed (5)
nonspecific (1)		134:20;146:23	21;86:24;90:15;93:3;	57:7;91:21;94:3;
100:20	oath (1)	offer (3)	95:18;96:24;106:16,	100:22;140:9
nonwoven (2)	16:22	138:15;157:6,8	24;109:16;110:17;	opposite (1)
103:13;132:20	object (2)	offered (2)	111:13;115:11;	50:20
Nor (2)	100:10;102:11	12:18;23:7	122:23;126:18;	opted (1)

46:17 outreach (2) 88:13,21 pardon (1) 86:2 parks (1) 40:19;43:14 67:2;70:5,6; 74:10 74:10 park (17) oral (1) 67:2;70:5,6; 74:10 park (17) part (17) orally (1) 0utstanding (1) 24:4,13;30:17; part (17) 24:4,13;30:17; part (17) orange (1) over (32) 63:8;75:6;91:17; percent (17) 63:8;75:6;91:17; percent (17) 92:3,8;95:17,22; 96:11;119:7;123:1; percent (17) 12:6,11;119:7;123:1; percent (17) percent (17) 24:4,13;30:17; percent (17) percent (17) 63:8;75:6;91:17; percent (17) 92:3,8;95:17,22; 96:11;119:7;123:1; percent (18) percent (18) 12:6;11;119:7;123:1; percent (18)	16:18,19 PC (1) 8:23 PE (1) 54:22 peak (1) 90:16 pedestrian (2) 71:13,14 peel (1) 147:9 penalties (1) 35:14 pending (1) 41:16 people (7) 44:23;48:14;80:5; 107:16;148:21; 149:23;152:24 per (6) 6:21,21;7:2;78:12; 111:21;114:1 percent (10) 45:3;77:10;91:6,7, 8;103:23;108:17; 111:7;115:7;133:24 perfect (1) 107:21	permitting (1) 19:17 person (3) 9:16,18;25:10 personal (2) 17:15;80:7 personally (1) 159:1 personnel (1) 39:22 perspective (2) 18:1;38:1 persuasive (1) 24:9 petitions (1) 13:10 PFAS (7) 121:21;122:14; 123:21;124:4,7,12; 135:9 Phase (37) 29:22;41:3,9,9; 42:2;49:17;56:16; 57:16,19,24;58:1; 59:14;62:14;79:16, 18;92:15,19;93:1,3,7; 94:12,13;96:12; 104:21;105:2;
option (1) 46:17 options (2) 88:13,21 outside (5) 7:16 orally (1) 25:13 orange (1) 67:9 67:9 6:18,9:1,4,8;18:3; order (11) 42:3;56:14,21;58:2, 5;142:9;148:7; 156:23 orderly (1) 15:10 orders (2) 13:6;47:4 organic (1) 130:16 organisms (1) 130:16 organisms (1) 74:14 orient (1) 46:17 outreach (2) 88:13,21 outside (5) 67:2;70:5,6; 105:22;125:13 outstanding (1) 138:24 over (32) 6:18,9:1,4,8;18:3; 29:2;36:8;41:19; 46:10,47:2,14;49:11; 50:5;53:13;62:4; 64:23;74:16;75:22; 156:23 0rderly (1) 13:3;114:17,23; 12:6,11;17:14 participant (3) 12:6,11;17:14 participant (3) 12:6,11;17:14 participant (5) 13:11;15:8;21:14; 24:18;25:12 participating (5) 4:17,18;5:9;29:11; 36:21 participation (3) 5:5;17:11;83:10 particle (2) 116:14;119:24	PC (1) 8:23 PE (1) 54:22 peak (1) 90:16 pedestrian (2) 71:13,14 peel (1) 147:9 penalties (1) 35:14 pending (1) 41:16 people (7) 44:23;48:14;80:5; 107:16;148:21; 149:23;152:24 per (6) 6:21,21;7:2;78:12; 111:21;114:1 percent (10) 45:3;77:10;91:6,7, 8;103:23;108:17; 111:7;115:7;133:24 perfect (1) 107:21	19:17 person (3) 9:16,18;25:10 personal (2) 17:15;80:7 personally (1) 159:1 personnel (1) 39:22 perspective (2) 18:1;38:1 persuasive (1) 24:9 petitions (1) 13:10 PFAS (7) 121:21;122:14; 123:21;124:4,7,12; 135:9 Phase (37) 29:22;41:3,9,9; 42:2;49:17;56:16; 57:16,19,24;58:1; 59:14;62:14;79:16, 18;92:15,19;93:1,3,7; 94:12,13;96:12; 104:21;105:2;
46:17 options (2) 88:13,21 pardon (1) 86:2 parks (1) 7:16 67:2;70:5,6; 74:10 park (1) 74:10 part (17) orally (1) 25:13 outstanding (1) 24:4,13;30:17; 53:20;56:23;57:20; part (17) orange (1) 67:9 6:18;9:1,4,8;18:3; 92:3,8;95:17,22; 96:11;119:7;123:1; percent (1) 4:9;13:5;30:21; 46:10;47:2,14;49:11; 92:3,8;95:17,22; 96:11;119:7;123:1; percent (1) 4:9;13:5;30:21; 46:10;47:2,14;49:11; 127:20 participant (3) 24:21;25:10,17 percent (1) 4:23;56:14,21;58:2, 57:142:9;148:7; 50:5;53:13;62:4; 64:23;74:16;75:22; 96:11;117:7;123:1; percent (3) 24:21;25:10,17 percent (3) 12:6,11;17:14 percent (2) 13:11;15:8;21:14; 24:18;25:12 percent (2) 13:11;15:8;21:14; 24:18;25:12 percent (3) 12:6,11;17:14 percent (2) 13:11;15:8;21:14; 24:18;25:12 percent (3) 5:5;17:11;83:10 percent (2) 44:17;112:11 36:21 percent (2) 13:11;15:8;21:14; 24:18;25:12 13:11;1	8:23 PE (1) 54:22 peak (1) 90:16 pedestrian (2) 71:13,14 peel (1) 147:9 penalties (1) 35:14 pending (1) 41:16 people (7) 44:23;48:14;80:5; 107:16;148:21; 149:23;152:24 per (6) 6:21,21;7:2;78:12; 111:21;114:1 percent (10) 45:3;77:10;91:6,7, 8;103:23;108:17; 111:7;115:7;133:24 perfect (1) 107:21	person (3) 9:16,18;25:10 personal (2) 17:15;80:7 personally (1) 159:1 personnel (1) 39:22 perspective (2) 18:1;38:1 persuasive (1) 24:9 petitions (1) 13:10 PFAS (7) 121:21;122:14; 123:21;124:4,7,12; 135:9 Phase (37) 29:22;41:3,9,9; 42:2;49:17;56:16; 57:16,19,24;58:1; 59:14;62:14;79:16, 18;92:15,19;93:1,3,7; 94:12,13;96:12; 104:21;105:2;
options (2) 88:13,21 86:2 parks (1) oral (1) 67:2;70:5,6; 74:10 parks (1) orally (1) 0utstanding (1) 24:4,13;30:17; parks (1) orally (1) outstanding (1) 25:13 outstanding (1) 24:4,13;30:17; perms (17) orange (1) over (32) 63:8;75:6;91:17; 92:3,8;95:17,22; perms (17) order (11) 29:2;36:8;41:19; 96:11;119:7;123:1; perms (17) 4:9;13:5;30:21; 46:10;47:2,14;49:11; 127:20 participant (3) 24:21;25:10,17 perms (17) 42:3;56:14,21;58:2, 50:5;53:13;62:4; 64:23;74:16;75:22; 96:11;119:7;123:1; perms (17) 42:3;56:14,21;58:2, 50:5;53:13;62:4; 64:23;74:16;75:22; participant (3) 24:21;25:10,17 participants (3) perms (1) 51:10 113:3;114:17,23; 117:23;128:2;129:4; 13:11;15:8;21:14; 24:18;25:12 perms (17) orders (2) 13:11;15:8;21:14; 24:18;25:12 perms (17) organic (1) 0vernight (2) 4:17,18;5:9;29:11; 36:21 perms (17) <th< td=""><td>PE (1) 54:22 peak (1) 90:16 pedestrian (2) 71:13,14 peel (1) 147:9 penalties (1) 35:14 pending (1) 41:16 people (7) 44:23;48:14;80:5; 107:16;148:21; 149:23;152:24 per (6) 6:21,21;7:2;78:12; 111:21;114:1 percent (10) 45:3;77:10;91:6,7, 8;103:23;108:17; 111:7;115:7;133:24 perfect (1) 107:21</td><td>9:16,18;25:10 personal (2) 17:15;80:7 personally (1) 159:1 personnel (1) 39:22 perspective (2) 18:1;38:1 persuasive (1) 24:9 petitions (1) 13:10 PFAS (7) 121:21;122:14; 123:21;124:4,7,12; 135:9 Phase (37) 29:22;41:3,9,9; 42:2;49:17;56:16; 57:16,19,24;58:1; 59:14;62:14;79:16, 18;92:15,19;93:1,3,7; 94:12,13;96:12; 104:21;105:2;</td></th<>	PE (1) 54:22 peak (1) 90:16 pedestrian (2) 71:13,14 peel (1) 147:9 penalties (1) 35:14 pending (1) 41:16 people (7) 44:23;48:14;80:5; 107:16;148:21; 149:23;152:24 per (6) 6:21,21;7:2;78:12; 111:21;114:1 percent (10) 45:3;77:10;91:6,7, 8;103:23;108:17; 111:7;115:7;133:24 perfect (1) 107:21	9:16,18;25:10 personal (2) 17:15;80:7 personally (1) 159:1 personnel (1) 39:22 perspective (2) 18:1;38:1 persuasive (1) 24:9 petitions (1) 13:10 PFAS (7) 121:21;122:14; 123:21;124:4,7,12; 135:9 Phase (37) 29:22;41:3,9,9; 42:2;49:17;56:16; 57:16,19,24;58:1; 59:14;62:14;79:16, 18;92:15,19;93:1,3,7; 94:12,13;96:12; 104:21;105:2;
40:19;43:14 outside (5) parks (1) 74:10 permits (17) 7:16 105:22;125:13 part (17) permits (17) part (17) permits (17) permi	54:22 peak (1) 90:16 pedestrian (2) 71:13,14 peel (1) 147:9 penalties (1) 35:14 pending (1) 41:16 people (7) 44:23;48:14;80:5; 107:16;148:21; 149:23;152:24 per (6) 6:21,21;7:2;78:12; 111:21;114:1 percent (10) 45:3;77:10;91:6,7, 8;103:23;108:17; 111:7;115:7;133:24 perfect (1) 107:21	personal (2) 17:15;80:7 personally (1) 159:1 personnel (1) 39:22 perspective (2) 18:1;38:1 persuasive (1) 24:9 petitions (1) 13:10 PFAS (7) 121:21;122:14; 123:21;124:4,7,12; 135:9 Phase (37) 29:22;41:3,9,9; 42:2;49:17;56:16; 57:16,19,24;58:1; 59:14;62:14;79:16, 18;92:15,19;93:1,3,7; 94:12,13;96:12; 104:21;105:2;
oral (1) 7:16 7:16 0rally (1) 25:13 0range (1) 67:9 67:9 67:9 67:9 67:18 67:9 67:9 67:9 67:9 67:9 67:18 4:10 67:2,70:5,6; 138:24 0ver (32) 67:9 67:9 67:9 67:9 67:9 67:9 67:9 67:9	peak (1) 90:16 pedestrian (2) 71:13,14 peel (1) 147:9 penalties (1) 35:14 pending (1) 41:16 people (7) 44:23;48:14;80:5; 107:16;148:21; 149:23;152:24 per (6) 6:21,21;7:2;78:12; 111:21;114:1 percent (10) 45:3;77:10;91:6,7, 8;103:23;108:17; 111:7;115:7;133:24 perfect (1) 107:21	17:15;80:7 personally (1) 159:1 personnel (1) 39:22 perspective (2) 18:1;38:1 persuasive (1) 24:9 petitions (1) 13:10 PFAS (7) 121:21;122:14; 123:21;124:4,7,12; 135:9 Phase (37) 29:22;41:3,9,9; 42:2;49:17;56:16; 57:16,19,24;58:1; 59:14;62:14;79:16, 18;92:15,19;93:1,3,7; 94:12,13;96:12; 104:21;105:2;
7:16 orally (1) 25:13 outstanding (1) 138:24 over (32) 67:9 order (11) 4:9;13:5;30:21; 42:3;56:14,21;58:2, 5;142:9;148:7; 156:23 orderly (1) 15:10 orders (2) 138:14:17,23; orders (2) 13:6;47:4 organic (1) 130:16 organisms (1) 135:4 organizations (1) 74:14 orient (1) 105:22;125:13 outstanding (1) 138:24 over (32) 6:18;9:1,4,8;18:3; 29:2;36:8,41:19; 46:10,47:2,14;49:11; 50:5;53:13;62:4; 64:23;74:16;75:22; 87:21;89:2;92:20; 93:2;95:6;96:21; 113:3;114:17,23; 117:23;128:2;129:4; 138:19,19 overall (3) 6:23;83:3;123:1 Overnight (2) 44:17;112:11 overview (2) 49:10;142:3 own (2) part (17) 24:4,13;30:17; 53:20;56:23;57:20; 63:8;75:6;91:17; 92:3,8;95:17,22; 96:11;119:7;123:1; 127:20 participant (3) 24:21;25:10,17 participants (3) 12:6,11;17:14 participate (5) 13:11;15:8;21:14; 24:18;25:12 participating (5) 4:17,18;5:9;29:11; 36:21 participation (3) 5:5;17:11;83:10 particle (2) 116:14;119:24	90:16 pedestrian (2) 71:13,14 peel (1) 147:9 penalties (1) 35:14 pending (1) 41:16 people (7) 44:23;48:14;80:5; 107:16;148:21; 149:23;152:24 per (6) 6:21,21;7:2;78:12; 111:21;114:1 percent (10) 45:3;77:10;91:6,7, 8;103:23;108:17; 111:7;115:7;133:24 perfect (1) 107:21	personally (1) 159:1 personnel (1) 39:22 perspective (2) 18:1;38:1 persuasive (1) 24:9 petitions (1) 13:10 PFAS (7) 121:21;122:14; 123:21;124:4,7,12; 135:9 Phase (37) 29:22;41:3,9,9; 42:2;49:17;56:16; 57:16,19,24;58:1; 59:14;62:14;79:16, 18;92:15,19;93:1,3,7; 94:12,13;96:12; 104:21;105:2;
orally (1) 25:13 orange (1) 67:9 order (11) 4:9;13:5;30:21; 42:3;56:14,21;58:2, 5;142:9;148:7; 156:23 orderly (1) 15:10 orders (2) 13:6;47:4 organic (1) 130:16 organisms (1) 135:4 organizations (1) 74:14 orient (1) outstanding (1) 138:24 outstanding (1) 138:24 over (32) 6:18;9:1,4,8;18:3; 29:2;36:8;41:19; 46:10;47:2,14;49:11; 50:5;53:13;62:4; 64:23;74:16;75:22; 87:21;89:2;92:20; 93:2;95:6;96:21; 113:3;114:17,23; 117:23;128:2;129:4; 138:19,19 overall (3) 6:23;83:3;123:1 overview (2) 49:10;142:3 own (2) 116:14;119:24 perior (4:4,13;30:17; 53:20;56:23;57:20; 63:8;75:6;91:17; 92:3,8;95:17,22; 96:11;119:7;123:1; 127:20 participant (3) 24:21;25:10,17 participants (3) 12:6,11;17:14 participate (5) 13:11;15:8;21:14; 24:18;25:12 participating (5) 4:17,18;5:9;29:11; 36:21 participation (3) 5:5;17:11;83:10 particle (2) 116:14;119:24	pedestrian (2) 71:13,14 peel (1) 147:9 penalties (1) 35:14 pending (1) 41:16 people (7) 44:23;48:14;80:5; 107:16;148:21; 149:23;152:24 per (6) 6:21,21;7:2;78:12; 111:21;114:1 percent (10) 45:3;77:10;91:6,7, 8;103:23;108:17; 111:7;115:7;133:24 perfect (1) 107:21	159:1 personnel (1) 39:22 perspective (2) 18:1;38:1 persuasive (1) 24:9 petitions (1) 13:10 PFAS (7) 121:21;122:14; 123:21;124:4,7,12; 135:9 Phase (37) 29:22;41:3,9,9; 42:2;49:17;56:16; 57:16,19,24;58:1; 59:14;62:14;79:16, 18;92:15,19;93:1,3,7; 94:12,13;96:12; 104:21;105:2;
25:13	71:13,14 peel (1) 147:9 penalties (1) 35:14 pending (1) 41:16 people (7) 44:23;48:14;80:5; 107:16;148:21; 149:23;152:24 per (6) 6:21,21;7:2;78:12; 111:21;114:1 percent (10) 45:3;77:10;91:6,7, 8;103:23;108:17; 111:7;115:7;133:24 perfect (1) 107:21	personnel (1) 39:22 perspective (2) 18:1;38:1 persuasive (1) 24:9 petitions (1) 13:10 PFAS (7) 121:21;122:14; 123:21;124:4,7,12; 135:9 Phase (37) 29:22;41:3,9,9; 42:2;49:17;56:16; 57:16,19,24;58:1; 59:14;62:14;79:16, 18;92:15,19;93:1,3,7; 94:12,13;96:12; 104:21;105:2;
orange (1) over (32) 63:8;75:6;91:17; 92:3,8;95:17,22; 96:11;119:7;123:1; 127:20 permoder (11) 4:9;13:5;30:21; 42:3;56:14,21;58:2, 5;142:9;148:7; 156:23 50:5;53:13;62:4; 64:23;74:16;75:22; 156:23 participant (3) 24:21;25:10,17 participants (3) participants (5) participants (5) participants (5) participants (7) participa	peel (1) 147:9 penalties (1) 35:14 pending (1) 41:16 people (7) 44:23;48:14;80:5; 107:16;148:21; 149:23;152:24 per (6) 6:21,21;7:2;78:12; 111:21;114:1 percent (10) 45:3;77:10;91:6,7, 8;103:23;108:17; 111:7;115:7;133:24 perfect (1) 107:21	39:22 perspective (2) 18:1;38:1 persuasive (1) 24:9 petitions (1) 13:10 PFAS (7) 121:21;122:14; 123:21;124:4,7,12; 135:9 Phase (37) 29:22;41:3,9,9; 42:2;49:17;56:16; 57:16,19,24;58:1; 59:14;62:14;79:16, 18;92:15,19;93:1,3,7; 94:12,13;96:12; 104:21;105:2;
67:9 order (11) 4:9;13:5;30:21; 42:3;56:14,21;58:2, 5;142:9;148:7; 156:23 orderly (1) 93:2;95:6;96:21; 15:10 orders (2) 13:6;47:4 organic (1) 130:16 organisms (1) 130:16 organizations (1) 74:14 orient (1) 6:18;9:1,4,8;18:3; 29:2;3,8;95:17,22; 96:11;119:7;123:1; 127:20 participant (3) 24:21;25:10,17 participants (3) 12:6,11;17:14 participate (5) 13:11;15:8;21:14; 24:18;25:12 participating (5) 4:17,18;5:9;29:11; 36:21 participation (3) 5:5;17:11;83:10 particle (2) 116:14;119:24	147:9 penalties (1) 35:14 pending (1) 41:16 people (7) 44:23;48:14;80:5; 107:16;148:21; 149:23;152:24 per (6) 6:21,21;7:2;78:12; 111:21;114:1 percent (10) 45:3;77:10;91:6,7, 8;103:23;108:17; 111:7;115:7;133:24 perfect (1) 107:21	perspective (2) 18:1;38:1 persuasive (1) 24:9 petitions (1) 13:10 PFAS (7) 121:21;122:14; 123:21;124:4,7,12; 135:9 Phase (37) 29:22;41:3,9,9; 42:2;49:17;56:16; 57:16,19,24;58:1; 59:14;62:14;79:16, 18;92:15,19;93:1,3,7; 94:12,13;96:12; 104:21;105:2;
order (11) 4:9;13:5;30:21; 42:3;56:14,21;58:2, 5;142:9;148:7; 156:23 orderly (1) 15:10 orders (2) 13:6;47:4 0rganic (1) 0rganisms (1) 135:4 0rganizations (1) 74:14 orient (1) 29:2;36:8;41:19; 46:10;47:2,14;49:11; 50:5;53:13;62:4; 64:23;74:16;75:22; 87:21;89:2;92:20; 93:2;95:6;96:21; 113:3;114:17,23; 117:23;128:2;129:4; 138:19,19 overall (3) 6:23;83:3;123:1 Overnight (2) 44:17;112:11 overview (2) 49:10;142:3 own (2) 196:11;119:7;123:1; 127:20 participant (3) 24:21;25:10,17 participants (3) 12:6,11;17:14 participants (3) 12:6,11;17:14 participating (5) 4:17,18;5:9;29:11; 36:21 participation (3) 5:5;17:11;83:10 particle (2) 116:14;119:24	penalties (1) 35:14 pending (1) 41:16 people (7) 44:23;48:14;80:5; 107:16;148:21; 149:23;152:24 per (6) 6:21,21;7:2;78:12; 111:21;114:1 percent (10) 45:3;77:10;91:6,7, 8;103:23;108:17; 111:7;115:7;133:24 perfect (1) 107:21	18:1;38:1 persuasive (1) 24:9 petitions (1) 13:10 PFAS (7) 121:21;122:14; 123:21;124:4,7,12; 135:9 Phase (37) 29:22;41:3,9,9; 42:2;49:17;56:16; 57:16,19,24;58:1; 59:14;62:14;79:16, 18;92:15,19;93:1,3,7; 94:12,13;96:12; 104:21;105:2;
4:9;13:5;30:21; 42:3;56:14,21;58:2, 5;142:9;148:7; 156:23 orderly (1) 15:10 orders (2) 13:6;47:4 organic (1) 130:16 organizations (1) 74:14 orient (1) 46:10;47:2,14;49:11; 50:5;53:13;62:4; 64:23;74:16;75:22; 87:21;89:2;92:20; 93:2;95:6;96:21; 113:3;114:17,23; 117:23;128:2;129:4; 138:19,19 overall (3) 6:23;83:3;123:1 Overnight (2) 49:10;142:3 own (2) 127:20 participant (3) 24:21;25:10,17 participate (5) 13:11;15:8;21:14; 24:18;25:12 participating (5) 4:17,18;5:9;29:11; 36:21 participation (3) 5:5;17:11;83:10 particle (2) 116:14;119:24	35:14 pending (1) 41:16 people (7) 44:23;48:14;80:5; 107:16;148:21; 149:23;152:24 per (6) 6:21,21;7:2;78:12; 111:21;114:1 percent (10) 45:3;77:10;91:6,7, 8;103:23;108:17; 111:7;115:7;133:24 perfect (1) 107:21	persuasive (1) 24:9 petitions (1) 13:10 PFAS (7) 121:21;122:14; 123:21;124:4,7,12; 135:9 Phase (37) 29:22;41:3,9,9; 42:2;49:17;56:16; 57:16,19,24;58:1; 59:14;62:14;79:16, 18;92:15,19;93:1,3,7; 94:12,13;96:12; 104:21;105:2;
42:3;56:14,21;58:2, 5;142:9;148:7; 64:23;74:16;75:22; 87:21;89:2;92:20; participants (3) 24:21;25:10,17 participants (3) perderly (1) 15:10 13:3;114:17,23; participants (5) 12:6,11;17:14 participate (5) 13:6;47:4 138:19,19 overall (3) 4:17,18;5:9;29:11; organisms (1) 135:4 Overnight (2) 44:17;112:11 organizations (1) 74:14 orient (1) own (2) 116:14;119:24 perdicipant (3) 24:21;25:10,17 participants (3) 12:6,11;17:14 participants (5) 12:6,11;17:14 participate (5) 13:11;15:8;21:14; 24:18;25:12 participating (5) 4:17,18;5:9;29:11; 36:21 participation (3) 5:5;17:11;83:10 particle (2) 116:14;119:24	rending (1) 41:16 reople (7) 44:23;48:14;80:5; 107:16;148:21; 149:23;152:24 rer (6) 6:21,21;7:2;78:12; 111:21;114:1 recent (10) 45:3;77:10;91:6,7, 8;103:23;108:17; 111:7;115:7;133:24 refect (1) 107:21	24:9 petitions (1) 13:10 PFAS (7) 121:21;122:14; 123:21;124:4,7,12; 135:9 Phase (37) 29:22;41:3,9,9; 42:2;49:17;56:16; 57:16,19,24;58:1; 59:14;62:14;79:16, 18;92:15,19;93:1,3,7; 94:12,13;96:12; 104:21;105:2;
5;142:9;148:7; 156:23 orderly (1) 15:10 orders (2) 13:6;47:4 organic (1) 130:16 organisms (1) 135:4 organizations (1) 74:14 orient (1) 5;142:9;148:7; 64:23;74:16;75:22; 87:21;89:2;92:20; 93:2;95:6;96:21; 117:23;128:2;129:4; 138:19,19 overall (3) 6:23;83:3;123:1 Overnight (2) 44:17;112:11 overview (2) 49:10;142:3 own (2) 24:21;25:10,17 participants (3) 12:6,11;17:14 participate (5) 13:11;15:8;21:14; 24:18;25:12 participating (5) 4:17,18;5:9;29:11; 36:21 participation (3) 5:5;17:11;83:10 particle (2) 116:14;119:24	41:16 ceople (7) 44:23;48:14;80:5; 107:16;148:21; 149:23;152:24 cer (6) 6:21,21;7:2;78:12; 111:21;114:1 cercent (10) 45:3;77:10;91:6,7, 8;103:23;108:17; 111:7;115:7;133:24 cerfect (1) 107:21	petitions (1) 13:10 PFAS (7) 121:21;122:14; 123:21;124:4,7,12; 135:9 Phase (37) 29:22;41:3,9,9; 42:2;49:17;56:16; 57:16,19,24;58:1; 59:14;62:14;79:16, 18;92:15,19;93:1,3,7; 94:12,13;96:12; 104:21;105:2;
156:23 87:21;89:2;92:20; participants (3) 12:6,11;17:14 participate (5) 13:6;47:4 138:19,19 overall (3) 130:16 overnight (2) 135:4 organizations (1) 74:14 orient (1) oven (2) 0ven (2) 0v	Accepte (7) 44:23;48:14;80:5; 107:16;148:21; 149:23;152:24 Accept (6) 6:21,21;7:2;78:12; 111:21;114:1 Accept (10) 45:3;77:10;91:6,7, 8;103:23;108:17; 111:7;115:7;133:24 Accepte (1) 107:21	13:10 PFAS (7) 121:21;122:14; 123:21;124:4,7,12; 135:9 Phase (37) 29:22;41:3,9,9; 42:2;49:17;56:16; 57:16,19,24;58:1; 59:14;62:14;79:16, 18;92:15,19;93:1,3,7; 94:12,13;96:12; 104:21;105:2;
orderly (1) 15:10 93:2;95:6;96:21; 113:3;114:17,23; participate (5) 117:23;128:2;129:4; 138:19,19 overall (3) 130:16 organisms (1) 135:4 organizations (1) 74:14 orient (1) overall (2) 49:10;142:3 own (2) 12:6,11;17:14 participate (5) 13:11;15:8;21:14; 24:18;25:12 participating (5) 4:17,18;5:9;29:11; 36:21 participation (3) 5:5;17:11;83:10 particle (2) 116:14;119:24 per	44:23;48:14;80:5; 107:16;148:21; 149:23;152:24 er (6) 6:21,21;7:2;78:12; 111:21;114:1 ercent (10) 45:3;77:10;91:6,7, 8;103:23;108:17; 111:7;115:7;133:24 erfect (1) 107:21	PFAS (7) 121:21;122:14; 123:21;124:4,7,12; 135:9 Phase (37) 29:22;41:3,9,9; 42:2;49:17;56:16; 57:16,19,24;58:1; 59:14;62:14;79:16, 18;92:15,19;93:1,3,7; 94:12,13;96:12; 104:21;105:2;
15:10 orders (2) 13:6;47:4 organic (1) 130:16 organisms (1) 135:4 organizations (1) 74:14 orient (1) orders (2) 117:23;128:2;129:4; 138:19,19 overall (3) 6:23;83:3;123:1 Overnight (2) 44:17;112:11 overview (2) 49:10;142:3 own (2) 113:3;114:17,23; participate (5) 13:11;15:8;21:14; 24:18;25:12 participating (5) 4:17,18;5:9;29:11; 36:21 participation (3) 5:5;17:11;83:10 particle (2) 116:14;119:24 per	107:16;148:21; 149:23;152:24 er (6) 6:21,21;7:2;78:12; 111:21;114:1 ercent (10) 45:3;77:10;91:6,7, 8;103:23;108:17; 111:7;115:7;133:24 erfect (1) 107:21	121:21;122:14; 123:21;124:4,7,12; 135:9 Phase (37) 29:22;41:3,9,9; 42:2;49:17;56:16; 57:16,19,24;58:1; 59:14;62:14;79:16, 18;92:15,19;93:1,3,7; 94:12,13;96:12; 104:21;105:2;
orders (2) 13:6;47:4 13:6;47:4 138:19,19 overall (3) 130:16 0rganisms (1) 135:4 0rganizations (1) 74:14 orient (1) 137:23;128:2;129:4; 138:11;15:8;21:14; 24:18;25:12 participating (5) 4:17,18;5:9;29:11; 36:21 participation (3) 5:5;17:11;83:10 particle (2) 116:14;119:24 per	149:23;152:24 er (6) 6:21,21;7:2;78:12; 111:21;114:1 ercent (10) 45:3;77:10;91:6,7, 8;103:23;108:17; 111:7;115:7;133:24 erfect (1) 107:21	121:21;122:14; 123:21;124:4,7,12; 135:9 Phase (37) 29:22;41:3,9,9; 42:2;49:17;56:16; 57:16,19,24;58:1; 59:14;62:14;79:16, 18;92:15,19;93:1,3,7; 94:12,13;96:12; 104:21;105:2;
13:6;47:4 organic (1) overall (3) participation (3) 4:17,18;5:9;29:11; organizations (1) overview (2) 49:10;142:3 oven (2) oven (3) oven (4) oven (4) oven (4) oven (5) oven (5) oven (6) oven (6) oven (7) oven (er (6) 6:21,21;7:2;78:12; 111:21;114:1 ercent (10) 45:3;77:10;91:6,7, 8;103:23;108:17; 111:7;115:7;133:24 erfect (1) 107:21	123:21;124:4,7,12; 135:9 Phase (37) 29:22;41:3,9,9; 42:2;49:17;56:16; 57:16,19,24;58:1; 59:14;62:14;79:16, 18;92:15,19;93:1,3,7; 94:12,13;96:12; 104:21;105:2;
13:6;47:4 organic (1) overall (3) 24:18;25:12 participating (5) 4:17,18;5:9;29:11; organisms (1) Overnight (2) 36:21 participation (3) 36:21 participation (3) 36:21 participation (3) 5:5;17:11;83:10 particle (2) over (2) 116:14;119:24 per (3) per (4) per (4) per (4) per (5) per (6) per	er (6) 6:21,21;7:2;78:12; 111:21;114:1 ercent (10) 45:3;77:10;91:6,7, 8;103:23;108:17; 111:7;115:7;133:24 erfect (1) 107:21	135:9 Phase (37) 29:22;41:3,9,9; 42:2;49:17;56:16; 57:16,19,24;58:1; 59:14;62:14;79:16, 18;92:15,19;93:1,3,7; 94:12,13;96:12; 104:21;105:2;
organic (1) overall (3) participating (5) description (3) permitted (3) permit	6:21,21;7:2;78:12; 111:21;114:1 ercent (10) 45:3;77:10;91:6,7, 8;103:23;108:17; 111:7;115:7;133:24 erfect (1) 107:21	Phase (37) 29:22;41:3,9,9; 42:2;49:17;56:16; 57:16,19,24;58:1; 59:14;62:14;79:16, 18;92:15,19;93:1,3,7; 94:12,13;96:12; 104:21;105:2;
130:16 organisms (1) 135:4 Overnight (2) 44:17;112:11 organizations (1) 74:14 orient (1) 130:16 6:23;83:3;123:1 4:17,18;5:9;29:11; 36:21 participation (3) 5:5;17:11;83:10 particle (2) 116:14;119:24 per	111:21;114:1 ercent (10) 45:3;77:10;91:6,7, 8;103:23;108:17; 111:7;115:7;133:24 erfect (1) 107:21	29:22;41:3,9,9; 42:2;49:17;56:16; 57:16,19,24;58:1; 59:14;62:14;79:16, 18;92:15,19;93:1,3,7; 94:12,13;96:12; 104:21;105:2;
organisms (1) Overnight (2) 36:21 per 135:4 44:17;112:11 participation (3) 5:5;17:11;83:10 organizations (1) 49:10;142:3 particle (2) orient (1) own (2) 116:14;119:24 per	ercent (10) 45:3;77:10;91:6,7, 8;103:23;108:17; 111:7;115:7;133:24 erfect (1) 107:21	42:2;49:17;56:16; 57:16,19;24;58:1; 59:14;62:14;79:16, 18;92:15,19;93:1,3,7; 94:12,13;96:12; 104:21;105:2;
135:4	45:3;77:10;91:6,7, 8;103:23;108:17; 111:7;115:7;133:24 erfect (1) 107:21	57:16,19,24;58:1; 59:14;62:14;79:16, 18;92:15,19;93:1,3,7; 94:12,13;96:12; 104:21;105:2;
organizations (1) overview (2) 5:5;17:11;83:10 74:14 49:10;142:3 particle (2) orient (1) own (2) 116:14;119:24 per	8;103:23;108:17; 111:7;115:7;133:24 erfect (1) 107:21	59:14;62:14;79:16, 18;92:15,19;93:1,3,7; 94:12,13;96:12; 104:21;105:2;
74:14	111:7;115:7;133:24 erfect (1) 107:21	18;92:15,19;93:1,3,7; 94:12,13;96:12; 104:21;105:2;
orient (1) own (2) 116:14;119:24 per	erfect (1) 107:21	94:12,13;96:12; 104:21;105:2;
00.44	107:21	104:21;105:2;
1 50.11 4.22.121.22 narneniar (3)		
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	erform (1)	100.34.100.1.1.3.
29.22.41.2.60.9	116:15	108:24;109:1,1,3;
71 (10 00 00	erformance (3)	119:16,17,23;121:4;
100 04 440 0 4 7 7 7 7 7 7 7 7 7 7 7 7 7		127:10,15,15;155:21
• • • • • • • • • • • • • • • • • • • •		Phases (8)
20.00.47.11.70.0	erformed (1)	30:1;49:20;53:18;
77.10	76:24	56:21;79:22;92:21;
per	erforming (1)	108:23;115:17
0.00010.0110	104:21	Philip (1)
07.600.044	erforms (1)	37:1
	131:4	phone (2)
	erhaps (6)	44:22;119:4
04.41		photograph (1)
Otis (1) 105:16;111:4; 143:24;144:3,6,12, 1	145:21;152:22;155:2	38:3
		picture (2)
	69:16,17;78:21;	57:8;143:5
	121:3	pictures (1)
out (49) 148:21 115:10 per	eriod (1)	37:23
	102:24	pieces (1)
	eriodically (1)	131:19
24;46:16;49:8;50:14; pandemic (1) past (6)		Pierce (1)
58:4;67:6,8;74:2; 151:6 52:17;65:3;94:23; per	erjury (1)	29:12
75:6;81:16;87:18; paragraph (6) 105:7;130:4;141:11 3	2 0 1 7	piggeries (1)
89:3;94:13;95:12,13; 15:16;20:20;25:5, pathway (1) per	rmanent (2)	18:9
106:8,22;108:4; 16;26:22;121:18 93:13	` ,	pilot (3)
109:22;110:10; paraphrasing (1) patience (1) per	rmeability (1)	114:9;135:9,9
112:10;113:7; 79:12 85:14		pipe (1)
100 10 100 10 14 00	ermission (2)	109:9
24.122.18.127.24		pipes (1)
120.17.121.12	rmit (6)	103:21
120 10 10 15 10 C + Post of	` '	
142.2.144.11.15		piping (1)
145 0 147 0 140 7	111:9,10,15	58:19
157.04		place (4)
2.	21:10	49:4;96:13;105:22;
10.0	rmitted (1)	118:5
70:13,16;96:11 pays (2)	6:20	placed (1)

Before Hearing Office	r John F. Shea			February 2, 2022
57:17	40:24;142:2;	76:16;122:2;145:10	5:11,16;13:16,24;	66:5
places (2)	144:15	potentially (4)	14:5,8,10;21:5;	private (5)
18:6;122:11	pointer (1)	18:6;63:19,21;64:4	24:15;25:13;29:3;	61:10;62:17;74:13;
plan (20)	57:9	pour (2)	31:15;86:17;137:5;	119:9;120:5
40:17;44:24;45:23;	pointing (3)	149:5,8	138:20;155:12	proactive (1)
57:7;61:15;62:6;	57:9;110:10;	power (3)	presentation (14)	135:11
65:17;66:1,7,8;69:8;	144:11	38:4;95:18;129:14	15:10;32:14;36:3,	probably (4)
70:1;74:3;78:20;	points (1)	PowerPoint (4)	5,10;45:14;51:4;	51:14;54:23;
93:11;128:18,21,24;	45:13	36:5,9;56:2,5	55:23;56:2,5,8;	122:22;133:5
129:8;136:15	poked (1)	powers (1)	142:2;155:3,17	probative (1)
planning (1)	131:16	15:16	presentations (8)	28:8
53:16	pokes (1)	practical (1)	17:16;31:3;86:22;	problem (13)
plans (7)	131:22	153:14	142:3,10;155:13;	97:19,24;98:2;
55:10,11,18,21;	Policy (3)	practiced (1)	157:2,3	109:8,11,14;110:19;
57:1;129:6,9	19:15;48:4;105:20	9:3	presented (3)	112:3,20;113:22;
plan-size (1)	poll (1)	practices (1)	21:2;76:12;139:1	114:7;133:22;141:3
55:17	126:4	116:1	presenting (2)	problems (2)
plant (1)	pollution (3)	preclude (1)	86:5;137:23	19:8;76:2
116:5	82:16,22;83:2	64:6	presently (1)	procedural (2)
plants (1)	polyethylene (3)	precluding (1)	116:7	15:9;19:18
18:10	103:11,14,19	125:4	preservation (1)	procedures (6)
plastic (5)	Pond (3)	predicting (1)	74:12	8:12;16:7,10;
109:19;110:5;	38:4,6,12	94:21	president (4)	18:13;117:2;150:18
132:4,23;134:19	poor (1)	prefer (1)	51:10,13,14;99:1	proceed (2)
plasticity (2)	73:5	32:11	presume (1)	36:9;98:13
130:24;131:2	popular (1)	preference (3)	27:2	proceeded (1)
plateau (1)	131:1	32:9;83:12;140:8	pretreated (1)	20:7
57:17	population (1)	preferences (1)	76:6	proceeding (11)
played (1)	78:3	83:17	pretreatment (1)	9:15;17:22;23:14;
19:9	portable (1)	preferential (3)	76:3	27:24;30:18;55:16;
pleading (1)	136:9	82:10;83:12,14	pretty (4)	144:6,13,14;151:14;
25:24 please (25)	portion (4) 56:20;93:3,4;132:4	prefile (4)	105:24;130:14;	155:22
10:4,20;11:24;	portions (1)	155:13;156:8,24; 157:3	132:1;143:9	proceedings (1)
12:8;17:8,9;23:8;	64:8	prefiled (30)	prevent (3)	141:17
33:5,19,24;36:15;	pose (4)	13:8,20;27:7,15;	67:23;106:4;130:8 prevents (1)	process (21)
37:5;50:22;51:2;	30:14;61:1;82:19;	28:3;30:21;31:5;	127:24	11:20;12:9;16:9;
81:4,11;82:2,3;	126:1	35:2,12,13,20;36:2;	previous (3)	17:19;18:1;19:2,4,8; 20:7,22;39:7;57:20;
89:21;92:4;99:22;	position (1)	54:22;55:4,8,14;	10:17;41:24;79:12	60:9,10,11;76:8,10;
128:19;129:11;	51:7	85:23;87:8;88:18;	previously (3)	79:21;99:6;121:20;
130:11;149:16	positive (5)	137:13,23;138:3,13,	39:14;79:4,7	135:16
pleasure (4)	8:2;20:18;24:8,11;	18;139:19;147:21;	prices (1)	processing (3)
8:21;11:13;29:13;	30:15	155:2,9,21;156:17	95:9	18:10;96:16;
160:14	possibility (3)	prehearing (5)	primarily (6)	106:21
plenty (1)	94:22;125:5;	12:23;13:4;142:9;	12:16;59:17;64:11;	procurement (1)
79:2	138:21	148:7;156:23	106:18;116:18;129:1	77:2
plug (1)	possible (6)	preliminary (7)	primary (2)	produce (1)
145:19	36:17;80:10;95:17;	11:22;22:11;28:11;	129:5;134:16	15:12
Plus (2)	99:24;148:4;155:17	33:10;51:3;65:8;	prime (1)	produced (1)
61:13;111:24	post (1)	136:14	68:20	72:10
PM (13)	151:9	preparation (1)	Princiotta (15)	produces (2)
4:4;13:23;80:9,24,	posted (2)	136:22	5:15,16;6:7,8;10:9;	72:10;94:19
24;137:3;143:8;	8:9;150:19	prepare (6)	126:12,13;149:17;	product (4)
159:5,12,16,21;	posting (2)	23:9;35:2;36:2;	159:14,19,23;160:3,	4:22;106:18;107:3,
160:12,23	22:3;157:22	54:19;55:22;141:23	6,7,19	3
point (16)	postprocessing (1)	prepared (5)	prior (14)	production (1)
37:14;44:20;45:12;	107:3	22:11;36:4;52:24;	22:16;52:3;97:5;	75:24
46:11,15;47:8;58:1;	potable (1)	122:1;156:24	102:20;108:13;	productive (3)
67:6,8;74:2;94:14;	118:14	preparing (2)	127:18;135:14;	63:19,21;64:4
110:8;120:13;	Potential (12)	53:3,23	142:15;148:6;	Professional (9)
133:21;135:10;	43:13;46:22;49:23;	presence (1)	150:20;152:7;153:5;	7:22;31:1;52:2,4,6,
157:16 pointed (3)	60:6;62:16;70:18;	5:18 Progent (16)	155:13;157:1	8,12;98:23;150:13
pointed (3)	74:21,24;75:13;	Present (16)	prisons (1)	professionals (3)
				<u> </u>

Table Property (3)	Before Hearing Officer	r John F. Shea			February 2, 2022
Programs (5)	146:15:148:21.22	5:5	139:3	110.7.111.14.	react (2)
72:1973:11, 113-152:1313:59 rorgarum (t)					
115:15;125:13;135:9 proven (2) 84:7 proprint (4) 84:7 provide (20) provide (20) provide (20) 27:15 provide (20) 27:15 12:13 27:3					1
84.7 provibilited (3) 62.12.21/(64.14) 116.12 propositing (1) 118.13 project (7) 129.95.17.756.9; 199.51.27.56.9; 195.20.105.9/(14.9) 135.21 project (7) 129.13.52.11 providing (1) 129.13 project (4) 129.13 project (4) 129.13 project (4) 129.13 project (4) 138.13 project (4) 129.14 providing (1) 129.17 providing (1) 129.17 providing (1) 129.19 project (7) 129.19 project (7) 129.115.51.19,21 providing (1) 129.19 project (7) 129.19 project (7) 129.11 providing (1) 129.11 providing (1) 129.11 providing (1) 129.12 project (3) 129.13 project (4) 129.13 project (3) 129.13 propose (1) 129.14 project (3) 129.15 project (4) 129.15 project (5) 129.16 project (7) 129.17 project (7) 129.18 project (8) 129.18 project (8) 129.19 project (7) 129.19 project (7) 129.11 project (8) 129.11 project (8) 129.11 project (8) 129.12 project (8) 129.13 project (8) 129.14 project (8) 129.15 project (8) 129.16 project (7) 129.17 project (7) 129.18 project (8) 129.18 project (8) 129.19 project (9) 129.11 project (1) 129.11 project (1) 129.11 project (1) 129.12 project (1) 129.13 project (1) 129.14 project (1) 129.14 project (1) 129.15 project (1) 129.15 project (1) 129.15 project (1) 129.15 project (1) 129.16 project (1) 129.15 project (1) 129.16 project (1) 129.17 project (1) 129.18 project (2) 129.18 project (3) 129.19 project (1) 129.19 project (1) 129.19 project (1) 129.11 project (1) 129.11 project (1) 129.11 project (1) 129.12 project (2) 129.13 project (3) 129.14 project (3) 129.15 project (4) 129.15 project (4) 129.16 project (7) 129.16 project (8)	programs (1)		pursuant (4)		
14:15 8:2 31:8; 27:3 27:3 21:128:10,23:133:7 21:128:10,23:133:7 21:128:10,23:133:7 21:128:10,23:133:7 21:128:10,23:13:37 21:128:10,23:13:21:1		provide (20)			
62:12,21;64:14 116:12 116:12 118:13 119		14:15;18:21;31:8;	27:3		
116:12			pursue (1)		
22;101:3;106:10; 129:22					114:22
145:515:16					
projected (1)					
209.51:7,56-9; 95.20; 105-9; 149; 135-21 17.8; 118.2; 121:12; 144:16 12.8; 18.8; 19.7; 19.16;					
99520;105:9;114-9; 135:21 projected (1) 82:18 projected (2) 52:10,13,19,21 promising (1) 123:7 promoted (1) 34:8 18:24;97:4;146:21 proporty (3) 18:24;97:4;146:21 propoper (3) 18:24;97:4;146:21 propoper (3) 18:24;97:4;146:21 proposal (1) 19:01ic (49) 19:01id (41) 19:02ic (41is (41) 19:22:11:28,14:17; 12:11 18:10;72:11; 13:10; 144:15; 145:12; 13:12; 146:16; 120 108:01 108:0					
135.21					
projected (1)				1	
82:18 projects (4)					
projects (4)					
52:10,13,19,21 promising (1) 123:7 promoted (1) 34:8 proper (3) 140:1 properly (3) 20:16;22:3;78:16 property (7) 44:9,57:10;70:5; 74:19;78:18;127:5; 74:19;78:18;127:5; 19:13 proposal (1) 19:13 proposal (1) 19:13 propose (1) 85:10 87 adius (1) 10:20;43:6;48:11; 10:20;43:6;48:11; 10:20;31;25:11; 10:20;3				120.21	
promisting (1) 123:7 promoted (1) 34:8 propoper) 182:4;97:4;146:21 property (7) 182:4;97:4;146:21 property (8) 20:16;22:3;78:16 property (7) 449:9;57:10;70:5; 74:19;78:18;127:5; 129:3 proposal (1) 19:13 35:10 proposal (3) 35:10 propose (1) 45:11;52:11;28:5; 30:9;32:22;60:21; 24:15;25:11;28:5; 30:9;32:22;60:21; 44:12,6:10;13,18; 7:5;8:5;15:5;19:11; 32:18;41:3,8,14; 48:17;35:17;99:4; 66:13,21;61:3;62:9; 70:12;78:17;79:6; 68:27,13,83:1,18,20, 23,24,84:5,13,85:1, 157:14;159;159; 173:13 proposing (1) 7:3 proposing (1) 7:4:22;13:58;13:58;13:58;13:58;13:58;13:58;13:58;13:58;13:58;13:58;13:58;13:58;13:58;13:58;13:58;13:58;13:58;13:58;13:58;13				R	1 1 1 1
Part				17	
promoted (1)				radius (1)	
34:8 proper (3) 18:24;97:4;146:21 property (7) 20:16;22:3;78:16 property (7) 24:9;57:10;70:5; 13;14:17;16:1,2; 129:3 proposal (1) 19:13 proposal (1) 19:13 propose (1) 85:10 85:10 85:10 85:10 85:10 100:23;125:15; 129:3 proposal (1) 24:15;25:11;28:5; 129:3 propose (1) 85:11 85:10 85:10 87:47;62:26;20:21; 18:71,779:12; 18:18;41:3,8,14; 23:16;24:10;31:11; 23:18;41:3,8,14; 23:16;41:10;10;10; 21:14:10;10;10; 21:14:10;10;10; 21:14:10;10;10; 116:12; 116:22;115:5:3; 116:22;15:15; 116:22;15:15; 116:22;15:15; 116:22;15:15; 116:22;15:15; 116:22;15:15; 116:22;15:15; 116:22;15:					
proper (3) 18:24;97:4;146:21 property (3) 20:16;22:3;78:16 property (7) 44:9;57:10;70:5; 74:19;78:18;127:5; 129:3 proposal (1) 19:13 propose (1) 24:15;25:11;28:5; 30:9;32:22;60:21; 41:2;6:10,13,18; 7:5;8:5;15:5;19:11; 32:18;41:3,8,14; 23:18;41:3,8,14; 24:18;75:17;59:4; 60:13,21;61:3;62:9; 70:12;78:17;79:6; 82:7;18;83:1,18,20, 23:24;84:5,13;85:1, 13;24;99:23;104:14, 21;105:2;115:16; 121:3 proposing (1) 13:17 73:10 Q quality (11) reasonable (3) 27:23;142:17; 100:19;139:15; 110:19;139:15; 110:19;139:15; 110:21:5 quantify (1) 11:6 Q quality (11) reasonable (3) 27:23;142:17; 100:19;139:15; 110:19;139:15; 110:19;139:15; 110:19;139:15; 110:19;139:15; 110:19;139:15; 110:19;139:15; 110:19 11:6 Q quality (11) 10:8:6 12:24 rained (1) reasonable (3) 27:23;142:17; 152:6 reasonably (2) 115:26 reasonably (2) 175:10 112:4 rained (1) reasonable (3) 27:23;142:17; 152:6 reasonably (2) 175:10 110:19;139:15; 110:19;139:15; 110:19;139:15; 110:19;139:15; 110:19;139:15; 110:19;139:15; 110:19;139:15; 110:19;139:15; 110:19;139:15; 110:19;139:15; 110:19;139:15; 110:19;139:15; 111:6 111:6 Q quality (11) reasonable (3) 27:23;142:17; 152:6 reasonably (2) 115:26 reasonably (2) 115:26 reasonably (2) 115:26 reasonably (2) 115:216 reasonable (3) 27:23;142:17; 152:16 110:19;139:15; 110:19;139:15; 110:19;139:15; 110:19;139:15; 110:19;139:15; 113:28; 16 110:19;139:15; 114:27;15:8 115:20; 114:27;15:8 115:20; 114:27;15:8 115:20; 114:27;15:8 115:20 114:27;15:8 115:20 114:27;15:8 115:20;17:17 114:27;15:8 115:20 114:10;137:5; 114:17;15:12 114:27;15:8 115:22;142 114:27;15:8 115:22;142 115:6:22 114:11;15:13:1 114:27;15:8 114:27;15:8 115:22;142 115:6:22 114:11;15:13:1 114:27;15:8 115:20 114:27;15:8 115:20 114:27;15:8 115:20 114:27;15:8 115:20;18:31 114:10;137:15; 114:27;15:8 114:27;15:8 115:22;142 115:6:22 114:11;15:15:18 115:220 114:11:13:13:14 114:11:15:15 114:27;15:8 114:27;15:8 114:27;15:8 114:27;15:8 114:27;15:8 115:220 114:27;15:8 114:27;15:8 114:27;15:8 114:27;15:8 114:27;15:8 114:27;15:8 114:27;15:8 114:27;15:8 114:27;15:8 114:27;15:8 114:27;1					
Table Property (3)	proper (3)				
property (3) 20:16;22:3;78:16 property (7) 44:9;57:10;70:5; 74:19;78:18;127:5; 129:3 proposal (1) 19:13:3:46:12;23:16; 19:13:13:46:1;15;71:3;74:14; 19:146:1;147:12; 113:24;152:34;152:16; 113:24;152:34;152:16; 113:24;152:34;152:16; 113:24;152:34;152:16; 113:24;152:34;152:16; 113:24;152:34;152:16; 113:24;152:34;152:16; 113:24;152:34;152:16; 113:24;152:34;152:16; 113:25;153:10 113:47 100:24;112:12;148:4 100:19;139:15; 114:27;155:8 116:22 114:10 114:3 114:3 114:3 114:3 114:21;155:15 116:19 114:3 1			0		
20:16;22:3;78:16 property (7) 44:9;57:10;70:5; 74:19;78:18;127:5; 19:13 propose (1) 82:15;25:11;28:5; 19:13 gropose (1) 82:16;41:35;11;28:5; 19:11;23:16;24:10;31:11; 23:16;24:10;31:11; 23:16;24:10;31:11; 23:16;24:10;31:11; 23:16;24:10;31:11; 23:16;24:10;31:11; 23:16;24:10;31:11; 23:16;24:10;31:11; 23:16;24:10;31:11; 23:16;24:10;31:11; 23:16;24:10;31:11; 23:16;24:10;31:11; 23:16;24:10;31:11; 23:16;24:10;31:11; 23:16;24:10;31:11; 23:16;24:10;31:11; 23:16;24:38,14; 48:17;53:17;59:4; 60:13;21;61:3;62:9; proposing (1) 7:3 pump (1) 13:7 pump (1) 13:7 pump (1) 13:7 pump (1) 13:7 pump (1) 13:17 pump (1) 13:17 pump (1) 13:13;14 purest (2) 48:3;58:14;65:12, 13:13,14 purest (2) 48:3;58:14;65:12, 13:13,14 purest (2) 113:3,14 purest (2) 113:3,14 purest (2) 113:3,14 purest (1) 12:15 protected (4) 48:3;58:14;65:12, 13:13,14 purest (2) 113:13,14 purest (2) 113:24: 48:17;53:17;59:4; 60:13;21;21;21;48:4 49:10;120:3; 116:19 projection (3) 116:19 projection (4) 117:6;134:12 projection (5) 118:7;73:21; 100:2;115:16; 119:11:3,14 119:11:3,14 119:11:3,14 110:2;15:16; 12:3 projection (8) 48:3;58:14;65:12, 13:13,14 13:14 13:14 13:15,16;24;16;16;16;16;16;16;16;16;16;16;16;16;16;	properly (3)				
449;57:10;70:5; 74:19;78:18;127:5; 129:3 129:3 129:3 129:15:62:15:7:17 120:23;125:15; 132:18;16 142:7;155:8 13:18:16 156:21;157:17 136:22 116:21:3 13:18:16 13:18:16 13:18:16 13:18:16 13:18:16 13:18:16 13:18:16 13:18:16 13:18:16 13:18:16 13:18:16 13:18:16 13:18:16 13:18:18 142:7;155:8 13:18:16 13:18:16 13:18:16 13:18:16 13:18:16 13:18:16 13:18:18 13:18:18 142:7;15:8 13:18:16 13:18:16 13:18:16 13:18:16 13:18:18 13:18:18 13:18:18 13:18:18 14:10:137:5 118:56:21 118:6 118:6:22 118:10:137:7 118:24 118:3 118:11:3 118:21 118:3 119:11:15;11:31:3 119:11:15;11:31:3 119:11:15;11:31:3 119:11:15;11:31:3 119:11:15;11:31:3 119:11:15;11:31:3 119:11:137:2:13 13:18:18:32:6 13:18:18 142:7;15:8 13:18:6 13:18:16 14:10:137:5 114:10:137:5 114:3:18:12 114:10:137:5 114:10:137:5 114:3:11:3 114:10:137:5 114:3:13:18 14:10:137:5 114:3:13:18 14:10:137:5 114:3:13:18 14:10:137:5 114:3:13:18 14:10:137:5 114:3:13:18 14:10:137:5 114:3:13:18 14:10:137:5 114:3:13:18 14:10:137:5 114:3:13:18 14:10:137:5 114:3:13:18 14:10:137:5 114:3:13:18 14:10:137:5 114:3:13:18 14:10:137:5 114:3:13:18 14:10:137:5 114:3:13:18 14:10:137:5 114:3:12 114:3:12 114:3:13:12 114:13:13:12 114:3:13:12 114:3:13:12 114:3:13:12 114:3:13:12 114:		4:9,15;5:6;7:10;	quality (11)	raise (4)	
74:19;78:18;127:5; 129:3					reasonably (2)
129:3					12:15;63:23
Proposal (I) 34:15;25:11;28:5; 30:9;32:22,66:21; 36:22,24;63:3,23; 64:1,15;71:3;74:14; 75:4;76:20;82:19; 83:8;101:15;110:13; 72:4 range (I) 14:3;14:15;15:15; 14:10;137:13:5; 14:10;137:13:5; 14:10;137:13:5; 14:10;137:13:5; 14:10;137:13:5; 14:10;137:13:5; 14:10;137:13:5; 14:10;137:13:5; 14:10;137:13:5; 14:10;137:13:5; 14:10;137:13:5; 14:					
19:13 30:9;32:22;60:21; 62:22,45(63:3,23; quarterly (1) 47:19 97:6,65108:12; 142:20;143:20; 145:5;147:15; 142:20;143:20; 145:5;147:15; 142:20;143:20; 145:5;147:15; 156:42; 161:19 156:4;157:8;12; 161:19 156:4;157:8;12; 162:3; 161:19 156:4;157:8;12; 161:19 156:4;157:8;12; 161:19 156:4;157:8;12; 157:14;159:4;15,20 published (1) 8:6 pull (4) 36:9;56:4;126:19; 109:24;112:12;148:4 quiet (1) 103:15 rate (7) 7:2;97:7;100:5; 17:6;134:12 7:2;41 109:24;112:12;148:4 quiet (1) 103:15;116:24; receive (7) 17:6;134:12 rated (1) 104:3 rates (2) 48:24;97:4 receive (5) 15:40; 103:15;116:24; receive (7) 17:6;134:12 rated (1) 104:3 rates (2) 48:24;97:4 receive (1) 102:15 rate (2) 19:16;100:15 rate (2) 43:20; receive (3) 15:40; rate (2) 43:20; receive (3) receive (7) 17:6;134:12 receive (7) 17:10:15;110:15 17:10:15 17					
Propose (1) 62:22,24;63:3,23; 64:1,15;71:3;74:14; 75:4;76:20;82:19; querierly (1) 47:19 49:10;120:3; 49:10;120:3; 13:10 16:19 rapid (1) 15:4:19 rapid (1) 15:4:19 rapid (1) 7:24 range (1) 15:4:19 7:24 range (1) 15:4:19 7:24 range (1) 15:4:19 7:24 range (1) 15:4:19 7:24 range (1) 16:19 rapid (1) 15:4:19 rapid (1) 16:19 rapid (1) 15:4:19 rapid (1) 15:4:10 7:24 range (1) 15:4:19 7:24 range (1) 15:4:19 7:24 range (1) 15:4:19 7:24 range (1) 16:19 rapid (1) 16:19 rap					
85:10 proposed (43) 4:12;6:10,13,18; 75:4;76:20;82:19; 83:8;10:115;110:13; 119:11;137:2;138:8; 146:1;147:12; 146:1;147:12; 157:14;159:4,15,20 published (1) 86:7,18;83:1,18,20, 23,24;84:5,13;85:1, 13,24;99:23;104:14, 21;105:2;115:16; 121:3 proposing (1) 7:3 proposing (1) 13:7 pumped (1) 58:20 51:1,5,6,14,19,22; pumping (1) 59:6;(13:18:12; 114:3 range (1) 116:19 rapid (1) 103:15 rate (7) 7:2;97:7;100:5; 103:15;116:24; 103:15;116:24; 117:6;134:12 rated (1) 13:15;116:24; 117:6;134:12 rated (1) 13:13:14 48:24;152:7,23; 154:11,14,21;155:15; 156:4;173:9:24; 109:24;112:12;148:4 quick (3) 116:19 rapid (1) 103:15 rate (7) 7:2;97:7;100:5; 103:15;116:24; 117:6;134:12 rated (1) 66:20;14:14;18:15; 86:15;151:15;154:3, 48:24;97:4 rates (2) 19:16;100:15 receive (7) 6:20;14:14;18:15; 86:18;21:20;22:9, 15:24:19 receive (7) 6:20;14:14;18:15; 86:18;21:20;22:9, 15:24:19 receive (1) 19:16;10:10:15 rate (1) 103:15 rate (2) 117:6;134:12 rated (1) 103:15 rate (2) 117:6;134:12 rated (1) 103:15 rate (1) 103:15 rate (1) 103:15 rate (1) 103:15 rate (2) 117:6;134:12 100:15 86:17;39:24; 100:15 103:15 119:11;13:14:33 114:38 145:14;24;152:7,23; 154:11,14,21;155:15; 154:10:10:15 rate (7) 7:2;97:7;100:5; 103:15;116:24; 117:6;134:12 117:6;134:12 114:3 114:3 114:3 114:3 114:3 114:3 114:3 116:19 rapid (1) 103:15 rate (7) 7:2;97:7;100:5; 103:15;116:24; 117:6;134:12 117:					
proposed (43) 75:4;76:20;82:19; queuing (1) 114:3 148:24;152:7,23; 4:12;6:10,13,18; 75:4;76:20;82:19; gueuing (1) 72:4 range (1) 148:24;152:7,23; 7:5;8;5;15:5;19:11; 23:16;24:10;31:11; 119:11;137:2;138:8; queik (3) range (1) 154:11,14,21;155:15; 32:18;41:3,8,14; 46:17;53:17;59:4; 46:13;21;61:3;62:9; 49:10;120:3; range (1) 154:11,14,21;155:15; 154:11,14,21;155:15; 156:4;157:8,12,18,18 rebuttative (1) 153:10 receipt (1) 153:10 receipt (1) 72:2;97:7;100:5; rate (7) 72:2;97:7;100:5; 72:2;97:7;100:5; 72:3 73 74:5 74:5 74:5 74:5 74:5 74:5 74:5 74:6 74:6 74:6 74:6 74:6 74:6 74:6 74:6 74:6 74:6 74:6 74:6 74:6 74:6 74:6 74:6 74:6 74:6					
4:12;6:10,13,18; 7:5;8:5;15:5;19:11; 23:16;24:10;31:11; 32:18;41:3,8,14; 48:17;53:17;59:4; 60:13,21;61:3;62:9; 70:12;78:17;79:6; 82:7,18;83:1,18,20, 23,24;84:5,13;85:1, 13,24;99:23;104:14, 21;105:2;115:16; 121:3 proposing (1) 7:3 proposing (1) 7:3 protect (3) pulling (1) 13:7 pumped (1) 58:20 pumping (1) 58:18;21:2;148:4 quict (1) 103:15:116:19 rate (7) 7:2;97:7;100:5; 116:19 raic (7) 7:2;97:7;100:5; 116:19 raic (7) 7:2;97:7;100:5; 116:41 103:15;116:24; 117:6;134:12 rated (1) 63:13 rates (2) 48:24;97:4 rather (2) 15:24:19 receive (7) 6:20;14:14;18:15; 76:3;15:16; 115:20 receive (7) 6:20;14:14;18:15; 76:4(7) 7:2;97:7;100:5; 116:19 raic (7) 7:2;97:7;100:5; 116:19 raic (7) 7:2;97:7;100:5; 116:19 raic (7) 7:2;97:7;100:5; 103:15;110:24; 117:6;134:12 rate (1) 63:13 rates (2) 48:24;97:4 rather (2) 15:24:19 receive (5) 8:18;21:20;22:9 rather (1) 63:13 rates (2) 48:24;97:4 rather (2) 15:24:19 receive (1) 15:24:19 receive (1) 15:24:19 receive (
7:5;8:5;15:5;19:11; 23:16;24:10;31:11; 32:18;41:3,8,14; 48:17;53:17;59:4; 60:13,21;61:3;62:9; 70:12;78:17;79:6; 82:7,18;83:1,18,20, 23,24;84:5,13;85:1, 13,24;99:23;104:14, 21;105:2;115:16; 121:3 proposing (1) 7:3 protect (3) 18:17;73:21; 102:15 protected (4) 49:5;65:11,15;74:9 Protection (8) 48:3;58:14;65:12, 156:14;159:4,15,20 quick (3) 49:10;120:3; 154:20 quick (3) 49:10;120:3; 154:20 quick (3) 49:10;120:3; 154:20 quick (5) 36:17;39:24; 109:24;112:12;148:4 quiet (1) 103:15;116:24; 103:15;116:24; 117:6;134:12 rated (1) 63:13 rates (2) 48:24;97:4 rather (2) 17:6;134:12 rated (1) 63:13 rates (2) 48:24;97:4 rather (2) 15;24:19 receive (1) 15;24:19 receive (1) 21:19 receive (7) 6:20;14:14;18:15; 86:15;151:15;154:3, 4 receive (5) 8:18;21:20;22:9, 15;24:19 receive (1) 22:19 receive (7) 6:20;14:14;18:15; 86:15;151:15;154:3, 4 receive (1) 24:14 receiving (2) 76:3;155:13 recent (2) 48:24;97:4 rather (2) 15;24:19 receive (1) 22:19 receive (1) 37:3;50:10,12,19,24; 59:5 59:5 59:5 59:5 59:5 59:5 59:5 59:					
23:16;24:10;31:11; 32:18;41:3,8,14; 48:17;53:17;59:4; 60:13,21;61:3;62:9; 70:12;78:17;79:6; 82:7,18;83:1,18,20, 23,24;84:5,13;85:1, 13,24;99:23;104:14, 21;105:2;115:16; 121:3 proposing (1) 7:3 protect (3) protect (3) protect (4) 49:5;65:11,15;74:9 Protection (8) 48:3;58:14;65:12, 157:14;159:4,15,20 quickly (5) 36:17;39:24; 109:24;112:12;148:4 quiet (1) 92:11 QUILL (1) 103:15 rate (7) 7:2;97:7;100:5; 103:15;116:24; 117:6;134:12 rates (2) quiet (1) 92:11 QUILL (1) 63:13 4 receive (7) 62:0;14:14;18:15; 86:15;151:15;154:3, 4 receive (7) 62:0;14:14;18:15; 86:15;151:15;154:3, 4 receive (5) 88:18;21:20;22:9, 19:16;100:15 rate (1) 103:15 rate (7) 7:2;97:7;100:5; 103:15;116:24; 117:6;134:12 rates (2) 48:24;37:4 receive (5) 88:18;21:20;22:9, 19:16;100:15 receive (1) 19:16;10:15 receive (1) 19:16;100:15 receive (1) 19:16					
32:18;41:3,8,14; 48:17;53:17;59:4; 60:13;21;61:3;62:9; 70:12;78:17;79:6; 82:7,18;83:1,18,20, 23;24;84:5,13;85:1, 145:19 pulling (1) 113:7 pumped (1) 7:3 proposing (1) 7:3 protect (3) 18:17;73:21; 102:15 protect (4) 49:5;65:11,15;74:9 Protection (8) 48:3;58:14;65:12, 156:723;68:1;73:15; 74:6 protection (1) 11:6 157:14;159:4,15,20 published (1) 8:6 36:17;39:24; 109:24;112:12;148:4 quiet (1) 92:11 109:24;112:12;148:4 quiet (1) 92:11 109:24;112:12;148:4 quiet (1) 92:11 104:3 QUILL (1) 13:7 pumped (1) 104:3 Quinn (88) 30:24;31:18;32:6; 19:16;100:15 19:24:14 19:16:14 19:16:14 19:16:14 19:16:14 19:16:14 19:16:14 19:16:14 19:16:14 19:16:14 19:16:14 19:16:14 19:16:14 19:16:14 19:16:14 19:16:14 19:16:15;15:15;15:16; 19:16:100:15 19:					
48:17;53:17;59:4; 60:13,21;61:3;62:9; 70:12;78:17;79:6; 82:7,18;83:1,18,20, 23,24;84:5,13;85:1, 13,24;99:23;104:14, 21;105:2;115:16; 121:3 proposing (1) 7:3 protect (3) protect (3) protect (3) 18:17;73:21; 102:15 protect (4) 49:5;65:11,15;74:9 protection (8) 48:3;58:14;65:12, 13:13,14 propose (7) 13:13,14 propose (7) 13:13,14 propose (7) 11:6 protective (1) 11:3;24:6;50:2; 11:3;24:6;50:2; 11:3;24:6;50:2; 11:3;24:6;50:2; 102:31,7;104:17,23; 103:15;116:24; 103:15;116:24; 103:15;116:24; 117:6;134:12 117:6;134:12 117:6;134:12 117:6;134:12 117:6;134:12 117:6;134:12 117:6;314:12 117:6;134:12 117:6;134:12 117:6;134:12 117:6;134:12 117:6;314:12 117:6;134:					
60:13,21;61:3;62:9; 70:12;78:17;79:6; 82:7,18;83:1,18,20, 23,24;84:5,13;85:1, 13,24;99:23;104:14, 21;105:2;115:16; 121:3 proposing (1) 7:3 protect (3) 18:17;73:21; 102:15 protected (4) 49:5;65:11,15;74:9 Protection (8) 48:3;58:14;65:12, 15:6;723;68:1;73:15; 74:6 protective (1) 11:6					
70:12;78:17;79:6; 82:7,18;83:1,18,20, 23,24;84:5,13;85:1, 13,24;99:23;104:14, 21;105:2;115:16; 121:3 proposing (1) 7:3 protect (3) 18:17;73:21; 102:15 protected (4) 49:5;65:11,15;74:9 Protection (8) 48:3;58:14;65:12, 15:67:23;68:1;73:15; 74:6 protective (1) 11:6	60:13,21;61:3;62:9;				
82:7,18;83:1,18,20, 23;24;84:5,13;85:1, 145:19 pulling (1)	70:12;78:17;79:6;	pull (4)			
13,24;99:23;104:14, 21;105:2;115:16; 121:3 proposing (1) 7:3 protect (3) 18:17;73:21; 102:15 protected (4) 49:5;65:11,15;74:9 Protection (8) 48:3;58:14;65:12, 15;67:23;68:1;73:15; 74:6 protect (1) 11:6 113:7 pulling (1) 104:3 Quinn (88) 30:24;31:18;32:6; 37:3;50:10,12,19,24; 58:20 51:1,5,6,14,19,22; 52:3,13,24;53:9,14; 59:5 54:1,9,13,18,20,22; 55:1,6,9,22;56:1,6; 66:21;70:23;73:1,2, 87:8;80:15;81:1, 20,23;82:4;84:4,23; 90:0 134:7 pumped (1) 134:7 pumped (1) 30:24;31:18;32:6; 30:24;31:18;32:6; 30:24;31:18;32:6; 30:24;31:18,32:6; 30:24;31:18,32:6; 30:24;31:18,32:6; 30:24;31:18,32:6; 30:24;31:18,32:6; 30:24;31:18,32:6; 30:24;31:18,32:6; 30:24;31:18,32:6; 30:24;51:00:15 raw (1) 43:21 receives (1) 43:21 Ray (6) 76:3;155:13 recent (2) 46:2;53:20 recently (3) 88:15;95:10; 15:20 receptive (1) 15:20 receptive (1) 139:2 receptor (1)	82:7,18;83:1,18,20,	36:9;56:4;126:19;	quiet (1)	117:6;134:12	
21;105:2;115:16; 121:3 proposing (1) 7:3 protect (3) 18:17;73:21; 102:15 protected (4) 49:5;65:11,15;74:9 Protection (8) 48:3;58:14;65:12, 15;67:23;68:1;73:15; 74:6 protective (1) 11:6 113:7 pump (1) 134:7 pumped (1) 58:20 pumping (1) 59:5 purchased (2) 41:6,14 purchased (2) 48:3;58:14;65:12, 15;67:23;68:1;73:15; 74:6 protective (1) 11:6 104:3 Quinn (88) 30:24;31:18;32:6; 37:3;50:10,12,19,24; 51:1,5,6,14,19,22; 52:3,13,24;53:9,14; 52:3,13,24;53:9,14; 52:3,13,24;53:9,14; 52:3,13,24;53:9,14; 52:3,13,24;53:9,14; 52:3,13,24;53:9,14; 52:3,13,24;53:9,14; 52:3,13,24;53:9,14; 52:3,13,24;53:9,14; 52:3,13,24;53:9,14; 52:3,13,24;53:9,14; 52:3,13,24;53:9,14; 52:3,13,24;53:9,14; 66:21;70:23;73:1,2, 66:21;70:23;73:1,2, 74:6 15:215 purported (1) 15:215 purpose (7) 11:3;24:6;50:2; 102:3,17;104:17,23; 104:3 Quinn (88) 30:24;31:18;32:6; rather (2) 19:16;100:15 receives (1) 19:16;100:15 receives (2) 19:16;100:15 receives (1) 19:16;		-		rated (1)	86:15;151:15;154:3,
121:3 pump (1) Quinn (88) 48:24;97:4 8:18;21:20;22:9, proposing (1) 7:3 pumped (1) 37:3;50:10,12,19,24; rather (2) 15;24:19 protect (3) 58:20 51:1,5,6,14,19,22; raw (1) 24:14 pumping (1) 59:5 52:3,13,24;53:9,14; 43:21 receives (1) protected (4) purchased (2) 55:1,6,9,22;56:1,6; 55:1,6,9,22;56:1,6; 66:21;70:23;73:1,2, Ray (6) 76:3;155:13 Protection (8) 48:3;58:14;65:12, 131:13,14 20,23;82:4;84:4,23; Raymond (4) 88:15;95:10; 48:3;67:23;68:1;73:15; 15:215 91:3,15;92:2,5,23; 74:6 74:22 72:22 protective (1) purpose (7) 93:6,23;98:5;100:8; 102:3,17;104:17,23; 72:15 </td <td></td> <td></td> <td></td> <td></td> <td>· ·</td>					· ·
proposing (1) 7:3 protect (3) 134:7 pumped (1) 58:20 protected (4) 49:5;65:11,15;74:9 Protection (8) 48:3;58:14;65:12, 15;67:23;68:1;73:15; 74:6 protective (1) 11:6 134:7 pumped (1) 30:24;31:18;32:6; 37:3;50:10,12,19,24; 51:1,5,6,14,19,22; 51:1,5,6,14,19,22; 52:3,13,24;53:9,14; 52:3,13,24;53:9,14; 52:3,13,24;53:9,14; 52:3,13,24;53:9,14; 52:3,13,24;53:9,14; 52:3,13,24;53:9,14; 52:3,13,24;53:9,14; 52:3,13,24;53:9,14; 52:3,13,24;53:9,14; 52:3,13,24;53:9,14; 52:3,13,24;53:9,14; 53:11,15;6,100:15 74:6 75:23;15:13 75:23;15:13 76:24:19 76:24:19 76:24:19 76:24:19 76:24:19 76:23;15:10:15 76:23;15:13 76:23:18;13:15 76:23:18;13:18;22 76:24:19 76:24:14 78:20 76:3;155:13 76:21:18;22:1 78:20 76:3;155:13 76:21:19:16;100:15 76:3:15:15 76:3					` ,
7:3 protect (3) 18:17;73:21; 102:15 protected (4) 49:5;65:11,15;74:9 Protection (8) 48:3;58:14;65:12, 15;67:23;68:1;73:15; 74:6 protective (1) 111:6 137:3;50:10,12,19,24; 51:1,5,6,14,19,22; 51:1,5,6,14,19,22; 52:3,13,24;53:9,14; 52:3,13,24;53:9,14; 52:3,13,24;53:9,14; 52:3,13,24;53:9,14; 52:3,13,24;53:9,14; 52:3,13,24;53:9,14; 52:3,13,24;53:9,14; 52:3,13,24;53:9,14; 52:3,13,24;53:9,14; 52:3,13,24;53:9,14; 52:3,13,24;53:9,14; 52:3,13,24;53:9,14; 52:3,13,24;53:9,14; 52:3,13,24;53:9,14; 52:3,13,24;53:9,14; 52:3,13,24;53:9,14; 53:11,5,6,14,19,22; 64:19 43:21 Freceives (1) 43:21 Freceiving (2) 76:3;155:13 Frecent (2) 132:18;133:5 Frecent (2) 132:18;133:5 Raymond (4) 132:18;133:5 Raymond (4) 130:24;50:24;51:6; 130:24;50:24;50:24;51:6; 130:24;50:24;5					
protect (3) 58:20 51:1,5,6,14,19,22; raw (1) 24:14 18:17;73:21; pumping (1) 52:3,13,24;53:9,14; 43:21 receiving (2) 102:15 59:5 54:1,9,13,18,20,22; Ray (6) 76:3;155:13 protected (4) 49:5;65:11,15;74:9 41:6,14 66:21;70:23;73:1,2, 50:13;81:3,9,21; recent (2) 48:3;58:14;65:12, 131:13,14 20,23;82:4;84:4,23; Raymond (4) recently (3) 15;67:23;68:1;73:15; 152:15 91:3,15;92:2,5,23; 54:22 15:20 74:6 purpose (7) 93:6,23;98:5;100:8; 93:15 receptive (1) 11:6 11:3;24:6;50:2; 102:3,17;104:17,23; reaches (1) receptor (1)					
18:17;73:21; pumping (1) 52:3,13,24;53:9,14; 43:21 receiving (2) protected (4) purchased (2) 55:1,69,22;56:1,6; 50:13;81:3,9,21; recent (2) 49:5;65:11,15;74:9 41:6,14 66:21;70:23;73:1,2, 50:13;81:33:5 recent (2) 48:3;58:14;65:12, 131:13,14 20,23;82:4;84:4,23; 87:58;80:15;81:1, 88:15;95:10; 74:6 152:15 91:3,15;92:2,5,23; reach (1) receptive (1) 11:6 11:3;24:6;50:2; 102:3,17;104:17,23; reaches (1) receptor (1)					
102:15 59:5 54:1,9,13,18,20,22; Ray (6) 76:3;155:13 protected (4) 49:5;65:11,15;74:9 41:6,14 66:21;70:23;73:1,2, 132:18;133:5 46:2;53:20 Protection (8) purest (2) 8;75:8;80:15;81:1, Raymond (4) recently (3) 48:3;58:14;65:12, 13:13,14 20,23;82:4;84:4,23; 30:24;50:24;51:6; 88:15;95:10; 15:67:23;68:1;73:15; purported (1) 85:18;86:18;90:20; 54:22 115:20 receptive (1) 93:6,23;98:5;100:8; 93:15 139:2 protective (1) 11:3;24:6;50:2; 102:3,17;104:17,23; reaches (1) receptor (1)					
protected (4) purchased (2) 55:1,6,9,22;56:1,6; 50:13;81:3,9,21; recent (2) 49:5;65:11,15;74:9 41:6,14 66:21;70:23;73:1,2, 132:18;133:5 46:2;53:20 Protection (8) 8;75:8;80:15;81:1, 30:24;50:24;51:6; 88:15;95:10; 48:3;58:14;65:12, 13:13,14 20,23;82:4;84:4,23; 30:24;50:24;51:6; 88:15;95:10; 15;67:23;68:1;73:15; 152:15 91:3,15;92:2,5,23; reach (1) receptive (1) 152:15 93:6,23;98:5;100:8; 93:15 139:2 111:6 11:3;24:6;50:2; 102:3,17;104:17,23; reaches (1) receptor (1)					
49:5;65:11,15;74:9 41:6,14 66:21;70:23;73:1,2, 8;75:8;80:15;81:1, 20,23;82:4;84:4,23; 131:13,14 132:18;133:5 46:2;53:20 48:3;58:14;65:12, 15;67:23;68:1;73:15; 74:6 131:13,14 purported (1) 152:15 purported (1) 152:15 purpose (7) 11:3;24:6;50:2; 11:3;24:6;50:2; 85:18;86:18;90:20; 91:3,15;92:2,5,23; 93:15 purpose (7) 11:3;24:6;50:2; 102:3,17;104:17,23; reaches (1) recently (3) 88:15;95:10; 152:0 receptive (1) 93:6,23;98:5;100:8; 102:3,17;104:17,23; reaches (1)		*			,
Protection (8) purest (2) 8;75:8;80:15;81:1, Raymond (4) recently (3) 48:3;58:14;65:12, 13:13,14 20,23;82:4;84:4,23; 30:24;50:24;51:6; 88:15;95:10; 15;67:23;68:1;73:15; 152:15 91:3,15;92:2,5,23; reach (1) receptive (1) 12:3;24:6;50:2; 11:3;24:6;50:2; 102:3,17;104:17,23; reaches (1) receptor (1)					
48:3;58:14;65:12, 15;67:23;68:1;73:15; 74:6 purpose (7) 111:6 131:13,14 purported (1) 152:15 purpose (7) 11:3;24:6;50:2; 20,23;82:4;84:4,23; 85:18;86:18;90:20; 91:3,15;92:2,5,23; 93:6,23;98:5;100:8; 102:3,17;104:17,23; reaches (1) 139:2 receptor (1)					
15;67:23;68:1;73:15; purported (1) 85:18;86:18;90:20; 54:22 115:20 74:6 91:3,15;92:2,5,23; reach (1) receptive (1) portective (1) 93:6,23;98:5;100:8; 93:15 139:2 111:6 11:3;24:6;50:2; 102:3,17;104:17,23; reaches (1) receptor (1)		- ` '			
74:6 protective (1) 111:6 152:15 purpose (7) 11:3;24:6;50:2; 91:3,15;92:2,5,23; 93:6,23;98:5;100:8; 102:3,17;104:17,23; 102:3,17;104:17,23; 102:3,17;104:17,23; 102:3,17;104:17,23; 102:3,17;104:17,23; 102:3,17;104:17,23; 102:3,17;104:17,23; 102:3,17;104:17,23; 102:3,17;104:17,23; 102:3,17;104:17,23; 102:3,17;104:17,23; 102:3,17;104:17,23; 102:3,17;104:17,23; 102:3,17;104:17,23; 103:3,15;92:2,5,23; 103:3,					
protective (1) purpose (7) 93:6,23;98:5;100:8; 93:15 139:2 111:6 11:3;24:6;50:2; 102:3,17;104:17,23; reaches (1) receptor (1)					Į.
111:6 11:3;24:6;50:2; 102:3,17;104:17,23; reaches (1) receptor (1)					
, , , , , , , , , , , , , , , , , , , ,	protocols (1)				
	• •		, , ., ,		

Control (21)	Before Hearing Officer	John F. Shea			February 2, 202.
18-11 18-1	recentors (3)	reflective (1)	15:3:17:16:21:6:	report (37)	research (2)
recess (3) 179:807.24 recession (1) 108:16 recession (1) 108:16 recession (1) 107:18 recharge (2) 88:12:105:1,12; reliable (2) 15:3;23:2 27:11,19;30:15,16; reservations (1) region (2) regions (3) record (3) 29:417-13;68:21; 88:12.105:92:185:4,140; regions (1) register (1) register (1) register (2) register (3) record (2) register (4) remaining (4) register (4) remaining (4) register (4)					
Trys 807.24 Feecesion (1) 108:16 Feecesion proof (1) 107:18 Feecesion proof (1) 107:18 Feecesion proof (2) 48:23:84-7 Regional (3) 20,2249:563-8; 83:10,19,21,85-4; 91:19 Feecond (2) 58:17 72:2249:563-8; 83:10,19,21,85-4; 91:19 Feecond (2) 51:19,221:10-22; 52:19,2266,81,219 Feecond (2) 77:23 77:15,27:769:15; 77:25 Feecond (4) 4:16,10-13,15;17-2; 77:5 Feecond (2) 13:6,13,230:10 13:18,13,120:20; 13:12,13,120:13 13:13,120:20; 13:12,13,120:13 13:13,120:20; 13:12,13,120:13 13:13,120:20; 13:12,13,120:13 13:13,120:20; 13:12,13,120:13 13:13,120:20; 13:13,13,120:13 13:13,120:20; 13:13,13,120:13 13:13,120:20; 13:13,13,120:13 13:13,120:20; 13:13,13,120:13 13:13,120:20; 13:13,13,120:13 13:13,120:20; 13:13,13,120:13 13:13,120:20; 13:13,13,120:13 13:13,13,120:20; 13:13,13,13,120:13 13:13,13,120:20; 13:13,13,120:13 13:13,13,120:20; 13:13,13,13,120:13 13:13,13,120:20; 13:13,13,13,13,120:13 13:13,13,13,120:13 13:13,13,13,13,13,13,13,13,13,13,13,13,13,1					
recession (1) 103:16 recession-proof (1) 107:18 recharge (2) 48:23;38:47 recharge (3) 20;22;49:563:8, 93:10,19,21;85:4, 91:19 recognizing (1) 68:13 record (21) registered (4) 17:15:12,12;10:22; 138:18 record (21) registered (4) 17:15:17 record (3) (2) 11:10 record (4) 43:10;11:15:17 record (5) (2) 41:10:11 record (1) registered (4) 17:15:17 record (1) regular (1) registered (3) 11:10;11:16 recyclable (1) 41:16;10:13,15;17:2 recording (8) (2) recycling (3) 6:244;51:648:24, 13:24,39:14:17 recyclable (1) 42:18 recyclable (1) 42:18 recyclable (1) 42:18 recyclable (1) 42:18 recyclable (1) 12:15;16:64;17:17, 18;10:21;11:17 recyclable (1) 22:12;22:26;25:30:66,12;19:19 recycling (3) 6:244;51:648:24; 33:41,41;27:11 recyclable (1) 42:18 recyclable (1) 42:18 recyclable (1) 12:14;23:13 recyclable (1) 22:12;22:22;23:39:22;140:1, 18:13;120:20; 12:14;20:25;23:139:9 recycling (3) 6:244;51:648:24; 33:141;51:166;17:17:1, 18:51:16					
168:16					
recision-proof (1) 107:18					
Techarge (2)					
recontage (2) Regional (13) 72:3 142:6,13,24:148:7; 7esidence (1) 19:10 7:15:27:59:15; 149:71546:24; 7esidence (1) 19:10 7:15:27:59:15; 19:10:14; 19:10:14 7esidence (1) 19:10 7:15:27:79:15; 19:10:14; 19:10:14 7esidence (1) 19:10 1					
Fell (1)					
recognized (5) 9-4;171.368-21; 87:11,13 recognizing (1) 48:21 region's (1) 7:1;52:7;69-15; 70:15;115:17 remaining (4) 49:19:19:22; 15:1;22:26;24:5; 138:18 recorded (4) 4:16;10:13,15;17:22; 111:10 recorded (4) 4:16;10:13,15;17:22; 138:18 recorded (5) 4:18;10:19:10:19:10 remains (1) representation (1) 5:2:16 remains (1) registeration (6) 9:15 3:2:21; 10:23; 111:10 recorded (1) 4:16;29:7;18,18; 10:23; 10:2			1		
9-4;17:13,68:21; 87:11,13 recognizing (1) 88:7 recommends (1) 68:13 recognizing (2) 51:9,22;10:22; 51:9,22;6245; 30:17;33:20,24; 53:11,13:13,34:5; 15:55:14,16;75:20; recorded (4) 41:6;10:13,15;17:2 recording (8) 77:5 recording (8) 77:5 recording (1) 77:16 record (1) 77:18 record (1) 77:16 record (1) 77:17 remind (2) 77:17 remind (2) 78:18:20:21:18 78:18:10:11:18:18:18 78:18:10:11:18:18:18:18 78:18:18:18:18:18:18:18 78:18:18:18:18:18:18 78:18:18:18:18:18:18:18 7					
87:11.13 7ecomizing (1) 86:13 7ecomized (2) 7egister (1) 98:11 19:7 7emainder (1) 52:24 7emainder (1) 7emainder (2) 7emainder (1) 7emainder			,		
recognizing (1)					
Record (21)					
recommends (1) 68:13 record (21) 51:p.221;10:22; 151:p.222:6;24:5; 30:17;33:20,24; 155:p.21;10:53;54:5, 30:17;33:20,24; 175:p.226:06,8,12.19 175:p.23:15:15,3:54:5, 155:55:14,16;75:20; 189:23:93:18,99:12; 111:10 recorded (4) regular (1) recorded (3) recorded (4) regular (1) records					
cecord (21)					
record (21) 5:1;9:21;10:22; 13:8:18 registration (6) 38:18 registration (6) 25:19;26:68, 81,219 11:10 recorded (4) regulator (1) 77:55 regulate (1) 77:55 regulation (10) 71:31;42:2;78:13; 13:20 13:18;10:21;11:1 records (1) 71:31;42:2;78:13; 12:71:31;41:11 requests (16) 71:31;42:2;78:13; 12:71:31;42:13;12:1					66:4,11,17;79:1;
5:19:21;10:22; 7:20;24:21;98:22; 119:7 remains (1) 19:5 13:13;20;24: 138:18 registration (6) 25:19;26:68,12,19 15:55:14,16;75:20; 89:23;93:18;99:12; 11:10 recorded (4) 4:16;10:13,15;17:2 regular (1) 77:5 remains (1) recorded (4) 4:16;10:13,15;17:2 regular (1) 77:5 remediation (1) records (1) 71:16 regulation (10) 7:13;14:22;78:13; 103:5;116:11; regulation (10) 7:13;14:22;78:13; 103:5;116:11; 13:12;20; 13:25;133:20 remind (2) request (12) 7:13;14 22:2;139:9 recording (1) 7:13;44:22;73:13; 127:13,14 22:2;55;30:6,7,13; 127:13,14 22:2;23:39:2;140:1, 114:5 13:10;15:12:16; 13:10;12:14; 14:10;15; 13:11; reduction (1) 12:2;16; 13:19 reference (2) 9:14;26:5 138:16 regulatior (6) 13:10;12:16; 13:19 reference (2) 9:14;26:5 13:10 12:2;16; 13:10 12:2;		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		_,	
15:12;22:6;24:5;					
36:17;33:20,24; registration (6) 25:19,26:68,12,19 registrations (4) 24:20;25:4;26:3; 11:10 recorded (4) 4:16;10:13,15;17:2 regulate (1) 77:5 regulation (10) 77:16 records (1) 77:16 18:10:22;11:1 regulation (10) 77:13;14:22;78:13; 77:16 78:24;16:48:24; 83:24;84:6,14,15; 85:34;96:16;97:13; 12:12;21;19:13; 127:13,14 78:34;96:16;97:13; 12:14;20:17;21:2,18; 127:13,14 78:34;96:16;97:13; 12:14;20:17;21:2,18; 127:13,14 78:34;96:16;97:13; 12:14;20:17;21:2,18; 13:16;127:17 18:14:318 regulator (6) 21:23;22:1;47:14; reducing (2) 13:6;127:17 reducing (2) 13:6;127:17 reducind (1) 28:6 21:14;20:13 removed (1) 29:14 refer (6) 20:15;122:16; 13:16 79:23;77:24;116:9; 135:19 reference (2) 9:14;26:5 16:16 79:24;21:39 reference (2) 9:14;26:5 15:16 79:24;21:39 removed (1) 13:6;127:17 reduction (1) 28:16 79:24 79:14;20:27 removed (1) 13:16;127:17 reduction (1) 28:16 79:24 79:14;20:27 removed (1) 12:12 removed (1) 12:12 removed (1) 12:13;13:15:14;17 removed (1) 13:14;15:22;17 response (2) 13:14;15:15:22 response (2) 13:24;22:23;19:15;13:11:5 response (1) 13:19 regulator (7) removed (1) 13:19 regulator (8) regulator (9) regulator (1) removed (1) rem				.,	
25:11,21;512;54:5,45. 25:19;26:6,8,12,19 registrations (4) 11:16,29:7,18,18; 89:23;93:18;99:12; 111:10 recorded (4) 4:16;10:13,15;17:2 recording (8) 77:5 regulate (1) 77:5 regulate (1) 77:5 regulation (10) 71:31,42:27;81:13; 133:20 recorded (1) 42:18 recyclable (1) 41:18;13;120:20; 133:24,16:18; 12:22;21;39:9 recycling (13) 5:4;8:9,12,14; 12:71:3,14 22:6,25:5;30:6,7,13; 12:71:3,14 22:6,25:5;30:6,7,13; 12:71:3,14 22:6,25:5;30:6,7,13; 12:71:3,14 22:6,25:5;30:6,7,13; 12:14;41:13:13 reduce (1) 33:6,127:17 reducing (2) 12:22;139:22; reducing (2) 12:22;139:22; reducing (2) 12:22;139:22; reducing (2) 12:23;137:12 remote (1) 72:18;143:18 regulatory (6) 21:23;22:1;47:14; reduced (1) 46:10 represented (1) 46:10 request (12) responce (2) 60:17,19;61:12 60:17,19;61:12 60:17,19;61:12 remoided (2) 76:13;102:12;104:6; 154:12 remoided (2) 76:13;102:12;104:6; 154:12 remoided (2) 76:13;102:12;104:6; 154:12 remoided (2) 76:13;102:12;104:6; 154:12 76:13;102:12;104:6; 154:12 76:13;102:12;104:6; 154:12 remoided (2) 76:13;102:12;104:6; 154:12 76:13;104:12 76:13;104:12 76:13;104:12 76:13;104:12 76:13;104:12 76:13;104:12 76:13;104:12 76:13;104:12 76:13;104:12 76:13;104:12 76:13;					
15;55:14,16;75:20; 89:23;93:18;99:12; 111:10 recorded (4)					
89:23:93:18;99:12; 111:10 recorded (4) 4:16;10:13;15;17:2 recording (8) 4:18;20;21;11:1 records (1) 7:7:5 regulate (1) 7:13;14:22;78:13; 103:5;116:11; 118:13;120:20; 133:20 reminded (2) remuser (4) 46:10 request (12) 5:8;22:10;25:17, 18:21;23;30:4;75:19; 60:20;68:22;17; 60:20;68:22;17; 76:13;10:21;21:40:6; 13:42;278:13; 103:5;116:11; 118:13;120:20; 125:22;139:9 regulations (30) 5:48;89;12:14; 121:12;18; 127:13;14 22:6;25:5;30:6,7,13; 39:1;10:114;103:5; 18:13;129:14 reduction (1) 13:6;127:17 reduction (1) 129:14 refer (6) 25:1;147:14; 48:9;114:4;123:13 129:14 refer (6) 25:1;122:16; 129:14 reference (2) 30:16;56:23 references (1) 120:20 reference (2) 30:16;56:23 reference (3) 70:24;72:14;82:6; 138:17 129:14 repeated (1) 138:19 reference (2) 30:16;56:23 reference (3) 70:24;72:14;82:6; 138:17 rephrase (1) 138:19 required (1) 138:19 repeated (1) 138:19 repeated (1) 138:10 repeated (1)					
Til:10 recorded (4) regular (1) regulate (1) 77:5 71:16 77:17 77:16 77:17 77		registrations (4)		represented (1)	132:6;134:23
recorded (4) 4:16;10:13,15;17:2 recording (8) 4:18;20;21;19:14,17, 18;10:21;11:1 records (1) 7:13;14:22;78:13; 71:16 recyclable (1) 42:18 recycling (13) reducing (2) 13:10:12;12;12;12; 12:13:13:20 20 reducing (2) 118:15,5;16:6;17;17:1, 85:3,4;96:16;97:13; 127:13,14 reduce (1) 39:1;10:114;103:5; 118:1,5,9;120:22; 118:1,5,9;120:22; 118:14:4;123:13 reducing (2) 122:2;139:22;140:1, 129:14 reducing (1) 129:14 refer (6) 26:1;102:9,10; refer (6) 26:1;102:9,10; 120:15;122:16; 135:19 reference (2) 30:16;56:23 reference (3) 70:24;72:14;82:6; reference (4) 29:15;21;30:1;68:3 referring (1) 11:16 relates (4) replace (1) 71:3;4:22;78:13; regulation (10) 40:24;41:24;124:1; 133:20 reminde (2) 17:9;23:8;29:4 reminde (2) 28:3;138:7 reminde (2) remind (3) 17:9;23:8;29:4 reminded (2) 28:3;138:7 reminded (2) 29:19;100:11 requeste (3) 17:9;23:8;29:4 remind (3) 17:9;23:8;29:4 remind (2) 29:19;100:11 requeste (3) 17:9;23:8;29:4 reminded (89:23;93:18;99:12;	24:20;25:4;26:3;	86:11	48:15	resource (4)
recorded (4) 4:16;10:13,15;17:2 recording (8) 4:18,20,21;9:14,17, 18:5 regulation (10) 7:13;14:22;78:13; 103:5;116:11; 17:20* records (1) 7:13;14:22;78:13; 103:5;116:11; 18:13;120:20; 125:2,2;139:9 regulations (30) 5:43;89;12,14; 18:13;20:20; 125:5;30:6,71,3; 39:1;10:114;103:5; 118:15,59;120:22; 122:2;139:22;147:14; 18:13:6;127:17 reduction (1) reduction (1) reference (2) 29:14;10:16 120:20 reference (2) 30:16;56:23 reference (2) 30:16;56:23 reference (2) 30:16;56:23 reference (1) 120:20 reference (2) 30:16;56:23 reference (4) 29:15;21;30:1;68:3 reference (1) 120:20 reference (2) 120:21;106:1,1; removed (1) 120:23 requirement (3) responsibility (2) reputitive (1) 120:23 requirement (7) responsibility (2) responsibility (2) reputitive (1) 120:20 reference (2) 120:21;106:1,1; removed (1) reference (2) resources (6) resulted (4) responsibility (2) responsibility (2) responsibility (2) responsibility (3) reference (4) responsibility (2) responsibility (3) reference (4) responsibility (4	111:10	27:1	remediation (1)	represents (1)	60:17,19;61:15;
4:16;10:13,15;17:2 77:5 regulate (1) 26:23;137:12 reduct (2) 26:23;137:12 reduct (3) 18:24;49:4,5; 60:20;68:22;17 18;10:21;11:1 records (1) 7:13;14:22;78:13; 103:5;116:11; recyclable (1) 18:13;120:20; 125:2,2;139:9 recyclable (3) 125:2,2;139:9 regulations (30) 5:24;45:16;48:24; 83:24;84:6,14,15; 12;14;20:17;21:2,18; 127:13,14 reduce (1) 39:1;10:114;103:5; 118:15,59;120:22; reducing (2) 122:2;139:22;140:1, 133:6;127:17 reduction (1) 28:6 regulatory (6) 21:23;22:1;47:14; 129:14 reference (2) 26:1;102:9,10; relate (4) 26:1;102:9,10; references (1) 13:19 reference (2) 30:16;56:23 reference (2) 30:16;56:23 reference (2) 30:16;56:23 reference (4) 120:15;122:16; reference (1) 120:20 reference (1) 120:20 reference (2) 30:16;56:23 reference (4) 29:15;21;30:1;68:3 reference (1) 120:20 reference (2) 30:16;56:23 reference (4) 120:20 reference (5) 118:3 reference (6) 120:20; 120:20 13:31:8 reference (1) 138:17 repart (1)	recorded (4)	regular (1)			68:21
recording (8) 4:18,20,21,9:14,17, 18:19,22;78:13; 103:5;116:11; 133:20 remind (3) 17:9;23:8;29:4 reminded (2) 22:6;25:5;30:6,7,13; 13:12,10:11;10:11;10:11; 14:5 13:10:11;10:11;10:11; 14:5 13:10:11;10:11;10:11; 14:5 13:10:11;10:11;10:11; 13:10:11;10:11;10:11; 13:10:11;10:11;10:11; 14:5 13:10:11;10:11;10:11; 14:5 13:10:11;10:11;10:11; 14:5 13:10:11;10:11;10:11; 14:5 13:10:11;10:11;10:11; 14:5 13:10:11;10:11;10:11; 14:5 13:10:11;10:11;10:11; 14:5 13:10:11;10:11;10:11; 14:5 13:10:11;10:11;10:11; 14:5 13:10:11;10:11;10:11; 14:5 13:10:11;10:11; 14:5 13:10:11;10:11; 14:5 13:10:11;10:11; 14:5 13:10:11;10:11; 14:11; 13:10:11; 14:5 13:10:11; 14:5 13:10:11; 14:5 13:10:11; 14:5 13:10:11; 14:5 13:10:11; 14:5 13:10:11; 14:5 13:10:11; 14:5 13:10:11; 14:5 13:10:11; 14:11; 15:15; 14:10:9 respects (1) 13:10; 15:13:10:11; 14:5 13:10:11; 14:5 13:10:11; 14:5 13:10:11; 14:5 13:10:11; 15:15; 14:10:9 respects (1) 13:10; 15:13:10:11; 14:5 13:10:11; 15:10:11; 16:10 13:10; 15:10:11; 16:10 13:10; 15:10:11; 16:10 13:10; 15:10:11; 16:10 13:10; 15:10:11; 16:10 13:10; 15:10:11; 16:10 13:10; 15:10:11; 16:10 13:10; 15:10:11; 16:10 13:10; 15:10:11; 16:10 13:10; 15:10:11; 16:10 13:10; 15:10:11; 16:10 13:10; 15:10:11; 16:10 13:10; 15:10:11; 16:10 13:10; 15:10:11; 16:10 13:10; 15:10:11; 16:10:11; 16:10 13:10; 15:10:11; 16:10 13:10; 15:10:11; 16:10 13:10; 15:10:11; 16:10 13:10; 15:10:11; 16:10:11; 16:10 13:10; 15:10:11; 16:10 13:10; 15:10:11; 16:10 13:10; 15:10:11; 16:10 13:10; 15:10; 15:10:11; 16:10 16:10; 16	4:16;10:13,15;17:2		remedied (2)	request (12)	resources (6)
4:18,20,21;9:14,17, Tegulation (10) T:13;14:22;78:13; T:16 Tegulation (10) Tegulation (10) T:16 Tegulation (10) T:16 Tegulation (10) T:16 Tegulatio	recording (8)	regulate (1)			
18;10:21;11:1 records (1)					60:20;68:22;120:18
records (1) 7:13;14:22;78:13; 71:16 103:5;116:11; 118:13;120:20; 125:2,2;139:9 recycling (13) 6:24;45:16;48:24; 83:24;84:6;14,15; 85:3,4;96:16;97:13; 127:13,14 22:6;25:5;30:6,7,13; 127:13,14 22:6;25:5;30:6,7,13; 127:13,14 22:6;25:5;30:6,7,13; 127:13,14 22:6;25:5;30:6,7,13; 127:13,14 22:6;25:5;30:6,7,13; 128:1 118:1,5,9;120:22; 118:1,5,9;120:23; 118:1,5,9;120:13; 118:1,5,9;120:13; 118:1,5,9;120:13; 118:1,5,9;120:13; 118:1,5		regulation (10)			
Tile Trecyclable Trecycl					
recyclable (1)					
Tecycling (13)	recyclable (1)				
recycling (13) 6:24;45:16;48:24; 83:24;84:6,14,15; 15:15;16:6,17;17:1, 114:5 127:13,14 127:13,14 120:17;21:2,18; 22:62;55;30:6,7,13; 83:1 118:1,5,9;120:22; 122:2;139:22;140:1, 113:6;127:17 18;143:18 129:14 129:14 129:14 129:14 129:14 129:14 129:14 129:14 129:14 129:14 129:14 129:14 129:14 129:14 129:14 129:14 129:14 129:15;122:16; 26:1;102:9,10; 129:14 129:14 129:14 129:14 129:14 129:15 120:15;122:16; 120:29,10; 138:16 120:16;16;23:17 138:16 138:17 138:16 138:19 138:19 138:19 138:10 138:19 138:10 138:19 138:10 138:14;19:11;60:13; 138:17 120:13;134:17; 120:14:41:15:13;138:7 120:14:41:15:13;138:7 120:15;133:14,17; 120:13;134:17; 120:13;134:17; 120:13;134:17; 120:13;134:17; 120:14:41:17:14;18:10,17; 138:14:19:11;60:13; 138:14;19:11;60:13; 138:14;19:11;60:13; 138:14;19:11;60:13; 138:14;19:11;60:13; 138:14;19:11;60:13; 138:14;19:11;60:13; 138:14;19:11;60:13; 138:14;19:11;60:13; 138:14;19:11;60:13; 138:14;19:11;60:13; 138:14;19:11;60:13; 138:14;19:11;60:13; 138:14;19:11;60:13; 138:14;19:11;60:13; 138:14;19:11;60:13; 138:14;19:11;60:13; 138:14;					
6:24;45:16;48:24; 83:24;84:6;14,15; 85:3,4;96:16;97:13; 12;14;20:17;21:2;18; 12;13,14 22:6;25:5;30:6,7,13; 39:1;10:14;103:5; 118:1,5,9;120:22; 4:3,17 119:20;144:9;152:18 121:21 121:21 121:21 121:21 121:21 129:14 129:14 129:14 129:14 129:14 129:14 129:14 129:14 120:15;122:16; 13:6;127:16 13:6;127:17 18:143:18 129:14 129:14 129:14 129:14 129:14 120:15;122:16; 13:10;12:16; 13:10;15:8;24:18; 66:19;84:2,2190:1, 87:7;154:22;11 17:14;118:10,17; 119:20;144:9;152:18 121:21 17:14;118:10,17; 119:20;144:9;152:18 121:21 121:21 121:21 121:21 123:21 129:14 123:21 123:21 129:14 123:13 129:14 129:14 129:14 129:14 129:15;122:16; 138:16 120:15;122:16; 138:16 124:4 124:4 158:3 124:4 124:4 158:3 124:4 124:					
83:24;84:6,14,15; 85:3,496:16;97:13; 127:13,14 reduce (1) 39:1;101:14;103:5; 33:1 118:1,5,9;120:22; reducing (2) 113:6;127:17 reduction (1) 28:6 21:23;22:1;47:14; redundant (1) 48:9;114:4;123:13 129:14 refer (6) 31:6 26:1;102:9;10; 120:15;122:16; 130:15;122:16; 130:15;8;24:18; 66:19;84:2,21;90:1, 219:123;104:1; 117:14;118:10,17; 119:20;144:9;152:18 require (5) 21:18;44:1;141:7; response (12) 112:21 remove (2) 93:8;124:7 removed (1) 123:21 remove (1) 120:15;122:16; 130:15;8;24:18; 66:19;84:2,21;90:1, 117:14;118:10,17; 119:20;144:9;152:18 require (5) 21:18;44:1;141:7; require (17) 18:14;19:11;60:13; require (17) 18:14;19:11;60:13; response (12) 10:7 response (12) 10:5:5;111:5; 10:5:15;111:5; reguire (17) 18:14;19:11;60:13; response (2) 18:14;19:11;60:13; response (2) 18:14;19:11;60:13; response (1) 120:15;122:16; 130:16;56:23 reference (2) 30:16;56:23 reference (3) 118:3 reference (4) 29:14;26:5 reference (4) 29:15,21;30:1;68:3 referring (1) refered (4) 29:15,21;30:1;68:3 referring (1) relative (6) 111:16 52:18,21;60:1,5, 131:12 responde (1) 112:10:17;14;148:10,17; 119:20;144:9;152:18 require (5) 21:18;44:1;141:7; 123:21 remove (2) 18:14;19:11;60:13; 72:7;75:2;76:10; 7esponse (12) 18:14;19:11;60:13; 72:7;75:2;76:10; 7esponse (2) 18:14;19:11;60:13; 72:7;75:2;76:10; 7esponse (1) 123:21 12:21 remove (1) 18:14;19:11;60:13; 72:7;75:2;76:10; 7esponse (2) 18:14;19:11;60:13; 72:7;75:2;76:10; 7esponse (1) 18:14;19:11;60:13; 72:18;44:1;41:7; 19:20;144:9;152:18 require (5) 21:18;44:1;141:7; 123:21 require (5) 21:18;44:1;141:7; 123:21 require (5) 21:18;44:1;141:7; 123:21 require (5) 21:18;44:1;141:7; 123:21 require (6) 21:18;44:1;141:7; 123:21 123:21 require (5) 21:18;44:1;141:7; 123:21 response (1) 18:14;19:11;60:13; 72:7;75:2;76:10; 78:20:10; 18:14;19:11;60:13; 72:7;75:2;76:10; 78:20:10; 18:14;19:11;60:13; 72:7;75:2;76:10; 78:10;10:13;104:7; 120:15;102:13; 147:19:20;144:9;152:18 require (5) 21:18;44:1;141:7; 123:21 121:21 123:21 123:21 123:21 123:21 123:21 123:21 123:21 123:21 123:21 123:21 123:21 123:21 123:21 123:21 1					
85:3,4;96:16;97:13; 12,14;20:17;21:2,18; 127:13,14 22:6;25:5;30:6,7,13; 39:1;101:14;103:5; 83:1 18:1,5,9;120:22; 4:3,17 19:20;144:9;152:18 reduce (1) 10:7 responded (1) 10:7 removal (1) 12:121 removal/wastewater (1) 18:14;19:15;60:13 12:16;19:15;111:5; 13:14;19:15;60:13 12:16;19:15;111:5; 13:14;19:15;60:13 12:16;19:15;111:5; 13:14;19:15;60:13 12:16;19:15;111:5; 13:14;19:15;10:13;10:1					
127:13,14					87:7;154;22;156:7
reduce (1) 83:1 reducing (2) 113:6;127:17 reduction (1) 28:6 redundant (1) 129:14 refer (6) 26:1;102:9;10; 135:19 reference (2) 9:14;26:5 reference (2) 9:14;26:5 references (1) 120:20 referred (4) 29:15;21;30:1;68:3 referring (1) referered (4) 29:15;21;30:1;68:3 referring (1) refereducing (2) 113:6;127:17 18:15,59;120:22; 122:2;139:22;140:1, 18;143:18 regulatory (6) 21:23;22:1;47:14; 123:21 remove (2) 9:18;14:4;19:11;60:13; 123:21 remove (1) 123:21 remove (2) 15:21;106:13; 16:16 repeate (1) 124:4 repeat (2) 30:16;56:23 references (1) 120:20 referred (4) 29:15;21;30:1;68:3 referring (1) 111:16 reflected (1) 17:14;118:10,17; 119:20;144:9;152:18 require (5) 21:18;44:1;41:7; 120:21 12:22 13:24;22:23;22 13:24;21:23;21 removel (1) 123:21 remove (2) 18:14;19:11;60:13; 72:7;75:2;76:10; 78:12;100:13;104:7; 18:14;19:11;60:13; 72:7;75:2;76:10; 78:12;101:13;104:7; 18:14;19:11;60:13; 72:7;75:2;76:10; 78:12;101:13;104:7; 18:14;19:11;60:13; 72:7;75:2;76:10; 78:12;101:13;104:7; 18:14;19:11;60:13; 72:17;75:2;76:10; 78:12;101:13;104:7; 18:14;19:11;60:13; 72:17;75:2;76:10; 78:12;101:13;104:7; 18:14;19:11;60:13; 72:7;75:2;76:10; 72:7;75:2;76:10; 72:17;75:2;76:10; 72:17;75:2;76:10; 72:17;75:2;76:10; 72:17;75:2;76:10; 72:17;75:2;76:10; 72:17;75:2;76:10; 72:17;75:2;76:10; 72:17;75:2;76:10; 72:10;13;104:7; 72:1					
83:1 118:1,5,9;120:22; 122:2;139:22;140:1, 18;143:18 121:21 121:21 123:21 123:21 123:21 123:13 123:14 123:14 123:13 123:14 123:13 123:14 123:13 123:14 123:13 123:14 123:13 123:14 123:13 123:14 123:13 123:14 123:13 123:14 123:13 123:14 123:13 123:14 123:13 123:14 123:13 123:14 123:13 123:14 123:13 123:14 123:13 123:14 123:14 123:13 123:14 123:13 123:14 133:14 123:14 123:14 123:13 123:14 123:14 123:13 123:14 123:14 123:13 123:14 123:14 123:13 123:14 123:14 123:14 123:13 123:14 123:14 123:13 123:14 123:14 123:13 123:14 123:14 123:14 123:13 123:14 123:14 123:13 123:14 123:14 123:13 123:14 123:14 123:13 123:14 123:14 123:13 123:14 123:13 123:14 123:13 123:14 123:13 123:14 123:13 123:14 123:13 123:14 123:13 123:14 123:14 123:13 123:14 123:14 123:13 123:14 123:14 123:13 123:14 123:13 123:14 123:13 123:14 123:14 123:13 123:14 123:14 123:13 123:14 123:13 123:14 123:14 123:13 123:14 123:13 123:14 123:14 123:13 123:14 123:14 123:13 123:14 123:13 123:14 123:14 123:13 123:14 123					
reducing (2)					
113:6;127:17	l I	122:2:139:22:140:1			
reduction (1) 28:6 regulatory (6) 21:23;22:1;47:14; removal/wastewater (1) 154:13;158:7 105:15;111:5; redundant (1) 48:9;114:4;123:13 remove (2) 18:14;19:11;60:13; required (17) 121:16,19;151 129:14 reiterate (1) 31:6 remove (2) 18:14;19:11;60:13; responses (2) 26:1;102:9,10; relate (4) 69:18 121:5;133:14,17; responsibilities (1) 135:19 138:16 renowned (1) 155:5,7,12;156:24; 158:3 responsibilities (1) reference (2) 9:14;26:5 related (4) repeat (2) requirement (3) 121:18;14:24;32 references (1) 15:21;106:1,1; 36:16;100:6 114:4;155:21; responsibility (2 references (1) 70:24;72:14;82:6; 138:19 requirements (7) responsive (1) referred (4) Relating (1) rephrase (1) 157:22 rest (1) 29:15,21;30:1;68:3 relative (6) replace (1) 157:22 restriction (1) referring (1) 77:62:24 replace (1) 13:12 150:20					
28:6 redundant (1) 129:14 refer (6) 26:1;102:9,10; 120:15;122:16; 131:16 reference (2) 9:14;26:5 referenced (2) 31:16 referenced (2) 31:16 referenced (2) 31:16 referenced (2) 31:16 reference (3) 31:16 related (4) 9:14;26:5 referenced (2) 31:16:16 reference (3) 31:16 related (4) 9:14;26:5 referenced (2) 31:16:16 repeat (2) 30:16;56:23 reference (3) 11:18:3 reference (4) 29:15;21;30:1;68:3 relates (4) reference (5) 11:18:14 123:21 remove (2) 93:8;124:7 removed (1) 69:18 121:5;133:14,17; 121:15;133:14,17; responsibilities (1) 158:3 requirement (3) 158:17 responsibility (2 repeat (2) 30:16;56:23 relates (4) repeat (1) 138:19 repeatitive (1) 138:19 repetitive (1) 138:17 reguirements (7) responsive (1) 121:16,19;151 responses (2) 147:19;148:10 responsibilities (1) 157:22 responsibility (2 responsible (1) 157:22 requirements (7) responsive (1) 153:10 responsive (1) 157:12 128:15 responsive (1) 121:16,19;151 responses (2) 147:19;148:10 responsibilities (1) 157:22 requirements (7) responsive (1) 153:10 responsive (1) 157:12 128:15 responsive (1) 157:12 128:15 responsive (1) 157:22 128:15 responsive (1) 157:15 responsibilities (1) 157:15 responsibilities (1) 157:15 responsibilities (1) 11:18;14:19:11;60:13; 147:19;148:10 responsibilities (1) 11:18;14:19:11;60:13; 147:19;148:10 responsibilities (1) 11:18;14:19:10 responsibilities					
redundant (1) 48:9;114:4;123:13 remove (2) 18:14;19:11;60:13; 153:1 refer (6) 31:6 removed (1) 78:12;101:13;104:7; responses (2) 26:1;102:9;10; relate (4) 69:18 121:5;133:14,17; responsibilities (1) 120:15;122:16; 59:23;77:24;116:9; renowned (1) 155:5,7,12;156:24; 11:18;14:24;34 reference (2) related (4) repeat (2) requirement (3) 8:17;14:24 referenced (2) 15:21;106:1,1; 36:16;100:6 114:4;155:21; responsibility (2 references (1) 15:21;106:1,1; 36:16;100:6 114:4;155:21; responsible (1) references (1) 70:24;72:14;82:6; 138:19 requirements (7) responsive (1) referenced (4) Relating (1) rephrase (1) 157:22 rest (1) referred (4) Relating (1) rephrase (1) 157:22 requires (3) restriction (1) referring (1) relative (6) replace (1) 20:1;105:21; 17:15 referring (1) 71:15 restrictions (1) ref					
129:14					
refer (6) 31:6 removed (1) 78:12;101:13;104:7; 147:19;148:10 26:1;102:9,10; relate (4) 69:18 121:5;133:14,17; responsibilities (1) 135:19 138:16 renowned (1) 155:5,7,12;156:24; 11:18;14:24;32 reference (2) related (4) repeat (2) requirement (3) 8:17;14:24 9:14;26:5 15:21;106:1,1; 36:16;100:6 114:4;155:21; responsible (1) referenced (2) 116:16 repeated (1) 157:2 8:16 30:16;56:23 relates (4) 138:19 requirements (7) 8:16 references (1) 70:24;72:14;82:6; 138:17 11;100:1;104:9; rest (1) 120:20 118:3 138:17 11;100:1;104:9; rest (1) referred (4) 29:15,21;30:1;68:3 rephrase (1) 157:22 128:15 responsive (1) 73:18 100:23 requires (3) restriction (1) reflected (1) 52:18,21;60:1,5, 131:12 150:20 restrictions (1) reflected (1) 17;62:24 reply (1					
26:1;102:9,10; relate (4) 69:18 121:5;133:14,17; responsibilities (1:18;14:24;32:13:19) 135:19 138:16 124:4 158:3 responsibilities (1:18;14:24;32:13:14) 9:14;26:5 related (4) repeat (2) requirement (3) 8:17;14:24 15:21;106:1,1; 36:16;100:6 114:4;155:21; responsiblity (2:14:24) referenced (2) 116:16 repeat (1) 157:2 8:16 references (1) 70:24;72:14;82:6; 138:19 requirements (7) responsive (1) reference (4) 18:3 138:17 11;100:1;104:9; rest (1) referred (4) 29:15,21;30:1;68:3 rephrase (1) 157:22 requires (3) restriction (1) referring (1) 73:18 100:23 requires (3) restriction (1) referring (1) 52:18,21;60:1,5, 131:12 150:20 restrictions (1) reflected (1) 17;62:24 reply (1) requisite (1) 144:2		. ,			
120:15;122:16; 138:16 124:4 158:3 responsibility (2 124:4 responsibility (2 124:4 158:3 responsibility (2 124:4 responsible (1) 125:23 requirement (3) responsible (1) 125:23 requirement (3) responsible (1) 125:24 responsible (1) 125:25:15;68:6, 125:25 responsibility (2 124:4 responsible (1) 125:25:15;68:6, 125:25 responsible (1) 125:25:15;68:6, 125:25:15;68:6					
135:19 138:16 124:4 158:3 responsibility (2 9:14;26:5 related (4) 36:16;100:6 114:4;155:21; responsibility (2 referenced (2) 15:21;106:1,1; 36:16;100:6 114:4;155:21; responsible (1) 30:16;56:23 relates (4) 138:19 requirements (7) responsive (1) references (1) 70:24;72:14;82:6; repetitive (1) 21:13;25:15;68:6, 153:10 120:20 118:3 138:17 11;100:1;104:9; rest (1) referred (4) 29:15,21;30:1;68:3 73:18 100:23 requires (3) restriction (1) referring (1) 73:18 100:23 replace (1) 20:1;105:21; 17:15 reflected (1) 52:18,21;60:1,5, 131:12 150:20 restrictions (1) reflected (1) 17;62:24 reply (1) requisite (1) 144:2					
reference (2) related (4) repeat (2) requirement (3) 8:17;14:24 9:14;26:5 15:21;106:1,1; 36:16;100:6 114:4;155:21; responsible (1) referenced (2) 116:16 repeated (1) 157:2 8:16 30:16;56:23 relates (4) 138:19 requirements (7) responsive (1) 120:20 70:24;72:14;82:6; repetitive (1) 21:13;25:15;68:6, 153:10 referred (4) 18:3 138:17 11;100:1;104:9; rest (1) 29:15,21;30:1;68:3 73:18 100:23 requires (3) restriction (1) referring (1) 73:18 100:23 replace (1) 20:1;105:21; 17:15 111:16 52:18,21;60:1,5, 131:12 150:20 restrictions (1) reflected (1) 17;62:24 reply (1) requirements (7) responsive (1)					
9:14;26:5 15:21;106:1,1; 36:16;100:6 114:4;155:21; responsible (1) 157:2 8:16 referenced (2) 138:19 requirements (7) responsive (1) 120:20 118:3 138:17 11;100:1;104:9; rest (1) 129:15,21;30:1;68:3 referring (1) referring (1) 111:16 52:18,21;60:1,5, 17;62:24 reply (1) reply (1) requisite (1) 144:2					
referenced (2) 30:16;56:23 relates (4) repeated (1) 157:2 8:16 references (1) 70:24;72:14;82:6; repetitive (1) 21:13;25:15;68:6, 153:10 referred (4) 18:3 138:17 11;100:1;104:9; rest (1) referred (4) 73:18 rephrase (1) 157:22 rest (1) referring (1) 73:18 100:23 requires (3) restriction (1) referring (1) 52:18,21;60:1,5, 131:12 150:20 restrictions (1) reflected (1) 17;62:24 reply (1) requisite (1) 144:2					
30:16;56:23 relates (4) 70:24;72:14;82:6; repetitive (1) 120:20 referred (4) 29:15;21;30:1;68:3 relative (6) 73:18 replace (1) 11:16 52:18;21;60:1,5, 17:62:24 reply (1) reply (1) requirements (7) responsive (1) 138:19 requirements (7) responsive (1) 121:13;25:15;68:6, 153:10 responsive (1) 157:22 rest (1) 128:15 restriction (1) replace (1) 20:1;105:21; 17:15 restrictions (1) replace (1) reply (1) requisite (1) 144:2	1				
references (1) 70:24;72:14;82:6; repetitive (1) 21:13;25:15;68:6, 153:10 120:20 118:3 138:17 11;100:1;104:9; rest (1) referred (4) Relating (1) rephrase (1) 157:22 128:15 29:15,21;30:1;68:3 73:18 100:23 requires (3) restriction (1) referring (1) 52:18,21;60:1,5, 131:12 150:20 restrictions (1) reflected (1) 17;62:24 reply (1) requisite (1) 144:2					
120:20 118:3 138:17 11;100:1;104:9; rest (1) 120:20 Relating (1) rephrase (1) 157:22 128:15 29:15,21;30:1;68:3 73:18 100:23 requires (3) restriction (1) referring (1) relative (6) replace (1) 20:1;105:21; 17:15 111:16 52:18,21;60:1,5, 131:12 150:20 restrictions (1) reflected (1) 17;62:24 reply (1) requisite (1) 144:2					
referred (4) 29:15,21;30:1;68:3 Relating (1) rephrase (1) 157:22 128:15 referring (1) relative (6) replace (1) 20:1;105:21; 17:15 111:16 52:18,21;60:1,5, 131:12 150:20 restrictions (1) reflected (1) 17;62:24 reply (1) requisite (1) 144:2					
29:15,21;30:1;68:3 73:18 100:23 requires (3) restriction (1) 111:16 52:18,21;60:1,5, 131:12 replace (1) reflected (1) 17;62:24 reply (1) requisite (1) 144:2					
referring (1)					
111:16 52:18,21;60:1,5, 131:12 150:20 restrictions (1) reflected (1) 17;62:24 reply (1) requisite (1) 144:2					
reflected (1) 17;62:24 reply (1) requisite (1) 144:2					
	1				
137:20 relevant (7) 146:14 26:17 result (7)	1 ' '				· ·
	137:20	relevant (7)	146:14	26:17	result (7)

Delote Hearing Officer	. John F. Silca			February 2, 2022
20.00.67.10	110 15 100 0		1111617186	140 10 15
39:9,9;67:19;	112:17;123:2;		114:16,17;136:8	148:13,15
76:19;88:21;145:5;	131:23;141:24;	\mathbf{S}	scrubbing (1)	sending (2)
147:4	155:19,20;156:4,9;	В	112:21	139:23;140:2
		1		
resulted (1)	158:13;160:16	sacrificial (2)	sea (2)	sends (1)
19:4	ripple (1)	109:6;110:5	49:22;56:15	43:3
results (1)	43:3		seagull (1)	Senior (3)
13:3	rippling (1)	safe (3)	78:3	24:23;51:7;66:5
•		40:12,12;116:20		
resume (1)	129:3	safeguards (2)	seal (2)	sense (1)
55:3	rise (1)	16:10;19:18	131:20,21	18:2
retained (4)	94:20		seals (2)	sensible (2)
		safety (12)		
16:18;17:3;99:4;	risk (3)	24:16;28:5;30:10;	131:23;134:20	49:1,2
145:6	67:24;78:4;83:7	39:23;71:4,13;75:4;	seam (1)	sensitive (2)
retire (1)	risks (1)		132:15	60:1;75:10
		76:20;82:20;83:8;	1	
51:18	75:22	101:16;138:8	seams (1)	sensor (1)
retooled (1)	river (2)	same (18)	132:13	134:7
43:20	61:7;73:24	9:16;17:23;27:11,	seasonal (1)	sent (3)
return (1)	riverfront (2)		66:16	140:10,14;147:16
		20;41:24;46:1;47:3;		
12:13	65:21,24	91:6;97:16;100:19;	Second (16)	sentence (2)
returned (1)	road (3)	119:24;122:13;	5:24;6:2,16;31:23;	121:15,17
112:15	38:4;71:19;72:2		32:14;66:23;69:1;	sentiment (1)
		134:17;137:13;		
revenue (1)	roads (1)	142:23,24;144:2;	103:19;104:12;	150:15
40:20	78:11	151:19	118:4;119:19;	separate (5)
review (42)	rodents (3)		121:18;146:5;	39:19;84:17;87:24;
7:14,23;13:9,18;	77:8,11,14	sampling (1)	159:24;160:1,3	
		125:3		107:23;119:24
14:4;16:8,20;18:24;	role (5)	sand (1)	secondary (7)	separation (4)
19:14;20:2,23;21:4;	19:9;44:15;48:21;	103:22	117:9,20;132:3;	64:20;65:7,9;67:3
22:9,22;23:9;24:3;	144:7,18		133:10,23;134:10,17	September (1)
	,	Sandwich (1)		
25:3;27:10,15,18;	roll (4)	45:7	Secondly (2)	12:3
47:9,15,24;48:17;	5:5;6:3;159:4;	sanitarian (1)	16:17;21:24	septic (1)
58:10;68:10;71:15;	160:4		secretary (1)	151:19
		7:20		
73:14;99:5;100:16;	room (4)	Sarah (1)	20:14	sequence (1)
103:2;115:19,21;	10:11;36:23;78:24;	26:13	Section (8)	58:11
137:18;141:4;143:2;	79:2		7:12,14;18:14;	sequester (1)
145:3;147:4,8;149:6;	Route (9)	satisfaction (1)		124:7
		67:22	19:6,19,22;105:16;	1
150:7;153:7	34:23;38:9,13;	satisfied (2)	120:21	sequestering (1)
reviewed (5)	53:8;64:11;71:15,17,	126:9;137:11	Sections (1)	124:12
21:24;22:8,24;	20;74:1		16:4	sequestration (1)
		Saturday (1)		
60:8;105:14	routes (2)	14:21	seeing (2)	121:21
reviewer (1)	72:6,6	saw (1)	42:22;49:13	series (2)
99:9	rule (4)		seek (1)	59:12;68:17
reviewing (5)		106:24	70:19	
	23:6;25:8;110:20;	saying (6)		servants (1)
8:12;27:10;142:6,	140:24	47:3;97:15;123:17;	seeking (3)	147:12
12,24	ruling (2)	147:3;149:4,21	56:13,20;70:3	serve (1)
reviews (3)	15:7;138:6		seemed (1)	84:16
		scale (3)		1
17:20;21:14;	rulings (5)	40:4,5;72:3	88:3	served (1)
146:19	11:20;13:10;21:16;	schedule (7)	seems (3)	140:4
revised (2)	22:5;144:18		140:3;142:17,21	serves (1)
19:9,17	•	11:17;13:6;139:6,	sees (1)	48:20
1	run (6)	7,8;148:6;157:14		
rewritten (1)	12:11;36:10;51:3;	schedules (2)	48:12	service (5)
19:7	95:2;106:7;111:24	147:9;148:23	selectmen (8)	44:19;46:18;
RFP (2)	running (6)		36:20;43:17;44:13;	139:16;140:7;141:14
		scheduling (1)		
112:10,12	36:8;40:12;43:4;	143:4	46:3,12;47:4;135:12,	services (6)
Rhode (1)	95:1;97:8;114:20	scientists (2)	15	16:19,20;70:7;
52:9	run-of-the-mill (1)		selects (1)	94:24;96:17;114:17
		69:13;70:8	` `	
ribbon (1)	158:20	scope (1)	8:15	serving (1)
38:4	runs (2)	15:15	SEMASS (4)	91:19
Richard (1)	38:5;129:18		44:16;45:5;105:17,	session (7)
	1	screen (5)		
22:18	runway (1)	10:8;33:13;36:8;	17	86:12;145:24;
right (23)	78:2	38:7;50:20	semi-retirement (3)	146:8,9;154:13;
25:13;34:20;37:23;	Ryan (8)	screen-sharing (1)	51:8,16;52:7	157:13;160:15
40:24;42:1;54:12;	9:19,23,23;10:2,14,		semi-retiring (1)	set (10)
1		12:12		
55:18;80:8,19;86:9;	23,24;11:3	scrubber (6)	52:4	8:12;33:11;55:17;
1 00.2.00.7.1 <i>\\\\</i> 1.11.	ı .	1	L = = = = I (71)	1 Q4+1Q+Q7+1Q+102+4+
88:3;89:7;104:11;	Į l	112:21:113:3.12:	send (2)	84:18;87:18;103:4;
00.3,09.7,104.11,		112:21;113:3,12;	sena (2)	04.10,67.10,103.4,

				1 Columny 2, 202.
113:18;145:15;	shrink (1)	10,12,13,18;61:20;	37:5;80:16,21	somebody (2)
153:8;160:11	45:15	62:10,15,17,18;	sliding (2)	135:24;154:10
setback (2)	shrinking (1)	63:17;64:6,9,17;	81:16;132:21	someday (1)
59:24;121:5	42:22	65:16,24;66:6;67:17,	slip (1)	44:10
setting (1)	shut (1)	19;68:14,15;69:18,	148:12	someone (2)
17:5	76:4	23,24;70:3,12,15,16,	slipping (1)	9:14;148:13
seven (3)	shutdowns (1)	19,20;71:1,2;72:11,	132:21	sometimes (1)
51:15;52:4;133:19	128:3	15;73:16,19;74:4,6,	slope (3)	12:4
seven-hour (1)	shuts (1)	17,22,24;75:16,21;	100:1;132:22;	somewhat (3)
146:8	134:20	76:17,22;77:7,12;	135:1	73:9;91:16;92:7
seventy (1)	side (8)	78:12,13,15,15,20,21,	slopes (7)	somewhere (1)
57:9	38:13;39:15;63:6;	23;79:3,3,6,9,11,12,	103:22,23,24;	45:1
several (4)	97:12;103:24;104:3;	24;82:5,14,16;84:7,	104:3;105:23;106:2;	soon (2)
52:6;95:16;108:13;	106:2;127:6	10,13,16;85:5,9,12,	134:23	12:13;142:12
130:1	sides (3)	24;87:2;88:16;91:14;	slow (4)	sorry (19)
sewage (1)	106:8;108:3,4	93:22;94:2;96:11,15,		7:9;10:14,18;
151:20	sign (1)	18;99:6;101:15;	130:23	28:18;37:4,9;38:23;
sewn (1)	81:6	111:1;116:9;117:22;	slowly (1)	49:22;50:6,8;51:11,
131:18	signature (1)	121:3;124:24;	17:6	
shading (1)	26:15	125:11,12;126:19,19;	small (5)	12;54:23;73:16;
57:12	signed (4)	127:19,20;129:2,5,8;		81:24;85:15;86:16;
shall (17)	26:13,16;35:14;	158:21	39:5;41:13;42:23;	92:11;120:12
25:16;27:6;28:4,7;	147:12		47:11;107:4	sort (4)
71:2;72:15;73:19;	significant (5)	site-assigned (9)	small-engine (1)	33:11;81:16;140:3;
		6:12,17;29:24;	94:3	145:15
74:6;75:1;76:17;	72:4,20;83:5;	41:1,7;56:12,19;	smaller (1)	sotto (2)
78:18;79:8;82:9,17;	102:23;129:9	59:19;126:24	47:12	110:7;123:23
83:11,17;84:12	significantly (2)	SITEC (3)	so-called (1)	sound (2)
share (3)	76:1;77:20	31:1;51:6;60:8	18:7	40:19;76:23
12:13;36:3;55:23	signified (1)	sited (2)	soil (5)	sounds (2)
Shea (16)	39:12	65:21;118:1	68:11;69:13,14,21;	32:18;158:11
8:22,23,24;9:8,10,	similar (2)	sites (5)	70:8	source (9)
11;33:8;54:16;59:19;	146:6;151:21	74:9,10;79:13;	soils (9)	61:3;62:5,7;63:4;
80:1;98:14;125:18;	simple (5)	82:7,10	67:9;69:5,9,9,15,	64:10,17;116:22;
136:18;139:14;	65:10;130:7,12;	site-specific (5)	17;105:18;127:3;	118:7;125:10
149:21;160:13	136:6,9	60:16;64:19;66:11;	129:2	sources (6)
shearing (1)	simpler (1)	67:18;69:14	sold (1)	60:6;62:19;63:7;
132:7	135:7	site-suitability (2)	113:20	82:15,22;83:1
shed (2)	simply (2)	72:13;85:8	sole (3)	south (13)
97:2;108:3	108:20;155:16	siting (20)	8:17;62:4,7	38:6,13,14,16;
sheet (1)	single (3)	17:17;18:3,12,21;	solely (3)	42:6;44:2,8,9;49:21;
109:19	20:13;66:17;100:3	19:2,20;21:1,6;	16:14;116:16;	56:18;57:20,22;
sheetful (1)	single-stream (2)	24:17;28:8;30:5,9;	129:1	69:16
126:16	42:18;57:23	72:16;73:20;74:7;	sole-source (2)	Southeast (1)
sheets (1)	Sit (2)	85:20;86:1;115:13;	117:23;118:2	8:2
132:20	81:15,15	138:12,16	solid (51)	Southeastern (1)
shift (1)	site (180)	sitting (1)	4:10,13;6:12;8:3;	40:18
131:6	4:12;5;8;7:13,15;	50:21	11:9,13;16:5;18:3,12,	southern (1)
short (5)	8:3,5,11,13,19;9:1;	situation (3)	14;19:24;24:7,10;	69:16
11:19;80:7,14;	11:11,19,20;15:4,14,	107:15;111:23;	29:14,24;30:23;34:4,	space (5)
123:2;151:5	19;16:4,6,8;17:18,20,	157:5	20;38:24;39:11,14,	42:7,13;72:4;74:6;
shortcomings (1)	22;18:1,24;19:8,11,	six (5)	20;40:19;41:7,16;	78:22
19:4	16,19;20:2,3,7,18,22,	51:10,15,16;	44:23;45:21;46:9,22;	speak (6)
show (2)	24;21:8,17;22:7,8,21;	106:10;133:19	52:18,21;53:7;56:19;	17:6;56:7;90:3,12;
47:17;71:16	23:12,17,19,20,22,23,	six-hour (1)	60:5;68:12;70:14;	17.0,30.7,90.3,12,
showed (7)	24;24:5,9;25:4;	146:8	77:17;79:4,7,20;82:7,	speaker (3)
47:13;49:13;69:7;	29:20;30:4,6,8,12,13,	size (2)	12;83:19,21;97:14;	32:14;75:7;89:5
78:19;91:13;93:10;	14,15,16;31:11,12;	78:14,15	98:24;103:5;107:17;	
129:2	32:24;38:21,22;39:3;	sized (1)		speaking (4)
shower (1)	40:16;41:11,16;	59:7	125:2,13;143:3	52:11,22;110:7;
44:21	42:11;43:13;46:21;		solution (2)	123:23
shown (8)	50:1;52:6,15,16;53:2,	slide (6)	48:22;109:14	special (3)
61:14,14;65:16;		37:8,13,22;47:10;	solve (4)	18:12;39:10;97:12
	15,24;54:6,7;56:24;	84:9;127:4	109:8;112:2,20;	specialized (1)
66:1,6,9;70:1;127:3	57:8;59:16,17;60:3,	slides (3)	113:22	39:21

8				Tebruary 2, 2022
specialty (1)	7:8;10:20;18:24;	68:7	26:7;30:20;103:1;	summarize (4)
45:17	33:19,24;40:9;42:22		138:6;147:5;149:11,	31:4;102:11;
species (6)	48:1;51:2;52:4;68:4,		12;150:20;151:1;	121:24;122:3
72:17,19;73:11,16;	20;71:17;72:7;74:10		154:14;157:19	summary (2)
115:15,18	75:2;97:17;98:8	66:18,21,23,24	submitting (3)	36:5;106:10
specific (8)	stated (3)	storm (2)	27:9;137:8;142:20	summer (3)
23:17,22;59:22;	48:19;68:9;105:3	107:21;115:1	subparagraph (1)	122:23;123:7;
63:18;69:21;70:2;	statement (2)	stream (2)	27:3	136:16
87:1;101:9	26:8,12	40:20;42:24	subparagraphs (2)	sump (2)
specifically (4)	statements (4)	street (1)	25:16;26:1	133:11;134:10
22:17;25:11;88:15;	25:1;26:5,19;	112:18	subsequently (4)	sumps (2)
105:15	138:15	strength (1)	58:21;118:16,19;	58:20;133:11
spend (1)	state-of-the-art (1)	132:6	119:7	Super (1)
149:20	39:13	strengthened (1)	substantial (1)	9:7
spent (5)	States (1)	19:9	19:12	superior (1)
17:5;44:22;94:23;	87:24	strictly (1)	substantially (2)	15:17
122:22,23	statewide (1)	91:18	19:7;95:7	super-party (1)
spilling (1)	69:10	structural (1)	success (1)	144:1
134:12	station (3)	79:15	135:22	supper (1)
spoke (1)	40:5;57:23;158:21	structure (3)	successful (5)	160:18
135:8	stations (1)	66:22;103:15;	12:10;41:16;	supplement (2)
spring (2)	133:18	104:6	113:20;114:10;136:6	142:12;145:5
136:5,15	stations/our (1)	structured (1)	sudden (2)	supplemental (2)
square (1)	42:8	96:12	108:15;128:4	20:13;142:21
129;4	status (6)	structures (1)	sufficient (3)	supplementing (1)
squeeze (1)	70:13;75:11,11;	57:22	18:23;28:1;63:3	156:17
157:13	144:1,1,21	studies (1)	suggest (8)	supplied (2)
SSEIR (2)	statute (3)	71:11	100:14;104:19;	62:23;63:7
20:14,15	19:9;21:17;139:8	study (4)	119:3;122:16;	
stab (1)	statutory (1)	71:7;76:8;77:2;	145:20;149:10;	supplies (9)
134:19	21:23	83:4	154:2;155:24	60:21,22;61:2,4;
stability (2)	staying (1)	stuff (2)		62:9,17;63:6;116:12; 125:5
132:22;135:2	134:23	132:1;134:17	suggested (1) 32:19	
staff (8)	stellar (1)	styled (1)	4	supply (18)
36:24;39:20;48:19;	158:17	25:24	suggesting (1) 152:21	61:6,8,10;62:12,18,
150:13,24;151:3,5;	steno (1)	subcommittee (1)	•	21,23;63:3,9,24;64:2,
157:21	4:22	48:15	suggestion (2)	7,15;119:10,11;
stage (3)	STENOGRAPHER (24)	sub-criterion (1)	153:21;154:16	120:5,7,24
19:16,17;33:11	4:21;5:2;9:17;17:3,	84:18	suggestions (1)	support (3)
stages (2)	4;66:19;70:21;73:6;	l control of the cont	105:13	46:13;98:8;113:20
91:10;123:4	84:2,21;90:1,5,21;	subgrade (2)	suitability (32)	supports (2)
standard (3)		58:5;104:4	7:15;8:3;19:10;	97:2;131:4
124:23;125:1;	91:23;93:17;104:1;	subject (6)	20:2,19;21:20;22:8,	sure (20)
124:23;123:1;	117:14;118:10,17,22;	14:8;16:22;31:16;	22;23:12,13,18,19,	9:15,20;10:23;
standards (7)	119:20;144:9;152:2, 18	42:11;58:9;123:12	20,22,23;24:1,8;	12:12;15:10;22:12;
75:3;76:15;99:23;		submission (8)	30:13,15,16;31:11;	47:6;49:6;65:8;
	step (5)	13:8;16:8;27:16;	41:16;54:6;59:16,18;	70:23;74:18;77:13;
102:19;104:16,22; 124:22	12:20;20:22;54:3;	140:12;141:8,22;	60:4;63:18;68:16;	81:8;102:4;107:10;
	109:15,16	143:21;154:6	82:5,14;87:2;116:9	116:22;128:5;
stands (2)	steps (1)	submissions (13)	suitable (17)	136:10;141:17;
23:1;93:18	20:2	140:10;141:1;	15:4;24:6,9;30:8;	158:19
Stanley (7)	Steve (7)	146:12,13;147:20;	68:23;69:5,9;71:2;	surface (4)
4:8;6:9;10:9;	7:21;12:24;24:20;	148:1;153:1,5,9,10,	72:15;73:20;74:7;	61:4,6,21;107:4
126:14;149:18;	125:20;143:15;	17;154:2,18	75:1;76:17;78:15;	surfaces (1)
150:6;160:10	152:4;153:22	submit (14)	79:10;82:17;84:10	60:22
start (4)	Steven (2)	13:19;27:18;87:16;	sulfide (19)	surge (1)
32:12;72:5;90:15;	28:15;89:23	139:17,19;140:21;	75:24;76:2,6;	151:5
130:17	still (10)	141:2;142:9;143:1;	94:10;107:2,8;108:9;	surprised (1)
started (3)	8:17;21:9;26:17;	148:3;152:14;	111:18;112:9,16;	110:9
94:20;109:9;	37:7;67:18;81:3,9;	154:11;155:4,7	113:6,14;114:2,15,	surrounding (2)
128:21	94:7;97:9;138:23	submittal (2)	19,22;115:6;122:8;	43:11;102:16
starting (3)	stipulates (1)	105:2;138:18	136:8	Survey (5)
53:1;64:24;126:5	71:1	submitted (14)	sulfur (3)	64:24;69:14;76:23;
state (18)	stipulation (1)	20:8,13;22:20;	113:7,8;129:13	77:2;121:9
			L. , , ==	, ==++
		COUDT DEPODTING		,

Defore meaning officer	John F. Shea			February 2, 2022
survey-quality (1)	target (1)	28:3,7;30:21;31:5,7,	118:2;133:18;138:9	127:9;141:13;
121:10	116:19	23;32:22;35:3,12,13,	throughout (2)	143:12,16;144:11;
susceptible (2)	task (2)	21;36:2,6;54:19,22;	9:1;102:24	151:24;152:5,20;
43:2;108:8	39:5,5	55:5,8,15;85:23;	thus (10)	153:24;155:18
sustainable (2)	team (1)	86:10,13,18;87:9;	48:7;64:14;65:15;	total (2)
40:13,20	90:14	88:10,10,19;93:2;	69:24;71:11;72:11;	57:2;105:1
SW (1)	technical (8)	102:6,7,9,15;137:13,		
54:6	18:23;96:21;98:12;		74:4,22;79:3;83:8	Touche (1)
swear (4)		24;138:3,13;139:19;	Tighe (2)	116:10
	99:5,5,8,9;147:20	141:5,23;142:20,21;	7:23;99:1	touchstones (1)
33:4;50:11,22; 99:18	technically (1)	143:10;147:3,16,21;	till (1)	138:9
1	131:11	148:13,16;152:24;	131:2	tough (1)
swearing (1)	techniques (2)	154:14;155:2,9,16,	time-consuming (1)	113:11
29:4	39:22;84:14	21;156:17;157:8,12;	151:7	tout (1)
sweater (1)	technologies (5)	158:4	timely (4)	45:18
90:10	43:13;47:1;117:13,	testing (1)	139:11;141:5;	towards (2)
sweeping (1)	16;123:7	132:12	145:12;148:14	38:16;97:22
78:10	technology (10)	textured (2)	Times (3)	Town (27)
swell (1)	12:2;13:7;37:1;	109:21;132:5	8:6;18:4;43:20	29:15;34:3;36:21;
131:19	47:7;122:24;123:14,	Thanks (4)	timing (1)	38:21;39:2,4,5,16;
swells (1)	15;136:5,11;159:8	33:17;50:13;55:2;	108:13	40:7,8;45:9,11;
134:20	telephone (1)	90:13	title (1)	48:14;62:21,22;63:6;
switched (3)	12:24	theory (1)	54:5	84:7;97:11;119:9;
46:10;91:18;95:6	televised (1)	115:22	Today (11)	122:10;123:9,9;
sworn (4)	4:16	therefore (2)	13:14;20:21;21:22;	128:1,10,12,14;146:6
16:21;33:6;50:24;	telling (2)	21:21;98:8	27:22;29:11;32:20;	towns (2)
99:20	110:21;127:16	thereof (1)	36:3;113:17;138:6;	44:18;45:3
syllable (1)	temporarily (1)	28:7	139:18;144:15	Town's (5)
12:18	110:4	thick (3)	today's (1)	7:19;40:11;83:21;
synthetic (2)	temporary (1)	54:12;109:21;	123:13	116:11;119:12
130:17;132:18	66:15	133:6	together (3)	tracking (2)
system (50)	ten (21)	thicker (2)	5:7;44:24;151:8	116:14;119:24
40:4;49:1;58:16,	25:1,19;26:2,6,9,	105:20;106:3	tomorrow (2)	trades (1)
18,19;59:1,7,10;	16;27:6,8,14,17;28:2;	thinking (1)	97:19;158:14	18:8
62:23;67:23;68:1,2;	63:7;137:11;139:16;	107:9	ton (1)	traditionally (1)
72:2,3;75:14;76:4,4;	141:4;142:23;145:6;	third (6)	158:18	18:5
77:21,23;90:11;93:9,	147:21;149:7;154:6;	63:2;69:3;84:17;	tonight (12)	traffic (16)
18,19,20;99:24;	156:14	154:13;156:4,10	23:4;36:23;95:19;	50:1;70:24;71:2,5,
101:4;104:15;	tendencies (1)	THOMAS (2)	126:14;136:22,23;	7,9,10,11,14;72:10;
106:13;108:23;	73:9	33:6,22	137:9;145:16,19;	90:19,23,24,24;
109:4;111:6;112:2,	tensile (2)	thorough (1)	148:9;158:17;160:15	91:14;92:3
21;113:3,24;115:5;	132:6,7	49:6	tonight's (2)	trailers (3)
117:1,7,9;119:11;	tents (1)		14:1,19	
121:10;123:1,3,19;	66:14	thoroughly (1) 74:20		66:15;92:1;132:11
124:6;129:14,16,18;			tonnage (6)	trained (1)
	term (1) 17:7	though (2)	6:24;7:4;49:24;	39:19
141:6;151:21		17:21;74:11	50:1;97:8;105:1	transfer (7)
systems (6)	terms (4)	thought (5)	tons (10)	40:5;41:17;42:8,
42:19;93:15;112:4,	137:23;145:3;	10:15;38:20;44:4;	6:21,21,22,23;7:2;	17;43:14;57:23;
8;129:12;136:3	151:16;157:21	92:5;145:17	45:1;49:24;105:4,7,9	158:21
T	Terri (5)	thoughts (1)	took (5)	transition (2)
1	7:19;12:10;150:12;	40:11	46:5;94:21;108:22;	43:19;48:24
4 11 (2)	153:15;158:9	thousand (3)	109:3,14	transmittal (1)
table (3)	test (1)	6:23;61:24;66:3	top (12)	23:15
64:20,21,22	132:13	thousand-foot (1)	38:2,12;42:4,5;	trash (1)
talk (6)	tested (1)	67:3	103:12;131:10,21;	45:10
23:11;40:22;41:20;	134:24	thousand-ton-per-day (1)	132:3,17;134:14,16;	traveling (1)
133:11;136:15;	testifies (1)	91:12	153:8	69:22
157:12	31:16	threat (3)	Torres (34)	treated (1)
talking (2)	testify (3)	24:15;67:19;82:19	7:21;12:24;28:14,	75:14
112:23;124:10	16:21;31:3,19	threatened (1)	15,20;89:16,22,24;	treatment (10)
tall (1)	testimony (66)	72:17	90:3,8,23;91:15;92:1,	52:14,15;58:23;
81:15	7:16;12:18;13:8,	three (9)	6,12,24;93:16;96:9,	59:1,7;75:15;106:13;
tanks (2)	20;16:15;17:13;	12:23;20:2;63:13;	20;98:3;101:7,22;	112:22;116:5;123:21
58:21;116:4	25:13;27:7,15,18;	71:19;80:16;104:18;	125:21;126:17;	trending (1)
58:21;116:4	25:13;27:7,15,18;	71:19;80:16;104:18;	125:21;126:17;	trending (1)

Before Hearing Office	r John F. Shea			February 2, 2022
124:17	46.12	56.4.61.17.70.5	45.5	
1	46:13	56:4;61:17;72:5;	45:5	virgin (1)
trial (1)	under (24)	79:23;81:10,15,15;	utilized (1)	44:9
15:7	7:11;8:9,14;16:3,5,	90:3;96:14;104:5;	41:2	virtually (1)
tried (1)	17,22;17:1,12;19:14,	108:3;109:12;110:1;	Utti (18)	11:8
74:2	23;22:5;30:7,12;	112:2;114:13;	5:12,13,24;6:2,5,6;	vitae (1)
tries (1)	35:14;46:17;101:13;	123:20;126:10,19;	80:13,18;118:24;	152:15
148:15	104:20;110:11;	131:20,23;132:10,11;	119:3,5;126:5,7;	voce (2)
triggered (1)	119:23;121:22;	134:20;135:10,20;	150:2,3;160:4,5,21	110:7;123:23
48:11	140:18;142:8;156:23	137:4;141:9,19;		void (1)
trip (3)	undergone (1)	147:12;150:8,16;	\mathbf{V}	44:17
90:18;91:1,2	47:23	153:21;154:23		voir (1)
trucks (4)	underneath (1)	update (3)	valley (4)	152:10
72:4;78:10,11;	38:5	71:7;75:19;83:4		
91:22			107:22,23;108:7,	volition (1)
	understood (2)	updated (2)	15	121:22
true (1)	85:16;151:18	71:11;87:14	valve (2)	volume (6)
107:19	undertaking (1)	upgraded (3)	134:6,7	71:10;72:9,11;
Truro (1)	20:21	39:21;68:7;72:2	variables (1)	90:16;94:1,16
45:7	undeveloped (1)	upgrades (1)	91:4	volumes (2)
try (4)	42:7	40:4	variance (1)	90:17;97:3
31:8;90:9;108:3;	undue (1)	upgradient (3)	151:19	volunteer (1)
117:12	147:10	60:22;61:7,9	varied (1)	148:22
trying (6)	unenforceable (1)	upon (6)	105:8	vote (8)
40:15;51:17,19;	19:5	24:3;25:3;105:7;	various (1)	5:6;6:3;8:19;
97:22;120:14;148:17	unfortunate (1)	145:16;147:10;158:1	102:10	14:16;46:5;158:10;
turkey (1)	122:18			
18:9	Unfortunately (2)	Upper (2)	vehicle (2)	159:4;160:4
		43:9;63:8	71:13;72:8	voted (1)
turn (6)	95:24;140:20	upset (2)	vehicles (2)	46:13
9:8;27:5;29:2;	UNIDENTIFIED (2)	67:5,5	78:24;91:20	voting (1)
49:11;50:5,10	75:7;89:5	USA (1)	vein (1)	5:19
turned (2)	unique (1)	107:12	144:19	
113:12,13	68:20	usable (1)	ventilating (1)	\mathbf{W}
turtle (1)	uniqueness (1)	136:10	90:11	
115:12	11:18	USDA (4)	verbally (3)	waive (2)
TV (2)	unit (1)	68:21;69:8,19;70:9	10:10,13,15	140:19;155:20
4:16;81:24	121:6	use (26)	Vermin (1)	walking (1)
two (26)	United (1)	13:7;44:2;46:15;	77:8	44:21
6:10,23;21:10;	87:24	49:3,16;58:6;64:7;	version (3)	wallboard (1)
24:19;30:22;56:11;	units (2)	65:17;66:1,8;67:7;		107:1
59:17;64:5;71:13;	66:12,16		26:15;61:17; 128:20	
77:4;86:4,22;107:22;	1	69:5,8,24;74:3,9;		wants (2)
	University (1)	84:13;93:16;105:12;	versions (3)	86:7;95:18
114:20;125:6,8;	51:23	109:21;117:17;	55:21;128:21;	waste (90)
131:4,18;132:20;	unless (4)	118:13,20;131:20,22;	135:10	4:10,13;6:13;8:4;
135:10;141:11;	30:8;62:5;63:20;	148:18	versus (2)	11:9,13;16:5;18:3,12,
143:12,16,17;153:11;	67:21	used (8)	100:3;124:22	14;19:24;24:7,10;
154:19	unlikely (1)	6:13;63:23;64:15;	vertical (15)	29:14,24;30:24;34:4,
type (6)	143:9	79:4,7;100:3;112:21;		20;38:24;39:11,14,
43:6;52:10;94:3;	unlined (3)	131:2	29:20;41:4;49:17,18;	20;40:19;41:7,17;
107:7;134:4;143:20	64:5;125:6,8	users (1)	56:14;59:3;79:17;	42:18,24;43:2;44:23,
types (3)	unmanned (1)	62:22	92:15,19;93:13;	24;45:9,21;46:9,22;
59:21;60:4;69:22	151:2	uses (4)	109:13;110:3	48:21,22;49:1;52:14,
typewritten (1)	unmute (1)	17:7;69:2;95:17;	vest (1)	15,18,21;53:7;56:19;
26:14	149:16	105:17	33:16	59:24;60:5;61:1,5,6;
typical (4)	unmuted (1)	USGS (3)		
16:10;109:20;	81:14		via (4)	62:3;63:18;65:6,13,
		116:15,17;119:15	12:1;159:12,22,23	18,22;66:2;67:17,18;
150:18;151:13	unreviewable (1)	using (10)	vice (1)	68:11,13;69:6;70:14;
	19:5	21:1;28:8;30:5;	99:1	71:10;72:9;77:10,10,
typically (1)		58:15;100:21;	video (1)	17;78:6,18,20;79:5,7;
typically (1) 114:14	unusual (1)			
114:14	17:7	105:20;119:24;	81:10	82:7,12;83:19,22;
	17:7 up (46)	105:20;119:24; 127:2;137:24;149:4	81:10 view (4)	82:7,12;83:19,22; 84:1;91:5;97:2,14;
114:14	17:7	105:20;119:24;		84:1;91:5;97:2,14;
114:14	17:7 up (46)	105:20;119:24; 127:2;137:24;149:4 usually (3)	view (4) 40:24;50:3,15;	84:1;91:5;97:2,14; 98:9,24;103:5;
114:14 U	17:7 up (46) 12:20;17:5;31:20;	105:20;119:24; 127:2;137:24;149:4	view (4) 40:24;50:3,15; 81:16	84:1;91:5;97:2,14; 98:9,24;103:5; 104:16;107:11,12,17;
114:14 U unacceptable (2) 10:19;75:22	17:7 up (46) 12:20;17:5;31:20; 36:9;38:12;40:23; 42:4;44:13;46:15;	105:20;119:24; 127:2;137:24;149:4 usually (3) 31:15;114:24; 146:18	view (4) 40:24;50:3,15; 81:16 vinyl (1)	84:1;91:5;97:2,14; 98:9,24;103:5; 104:16;107:11,12,17; 112:7;115:4;125:2,
114:14 U unacceptable (2)	17:7 up (46) 12:20;17:5;31:20; 36:9;38:12;40:23;	105:20;119:24; 127:2;137:24;149:4 usually (3) 31:15;114:24;	view (4) 40:24;50:3,15; 81:16	84:1;91:5;97:2,14; 98:9,24;103:5; 104:16;107:11,12,17;

8		T		
wastewater (2)	7:21;38:8,13;64:9,	106:21;107:22;	6:22	10-to-the-minus-7 (1)
58:22;112:22	12;89:24	113:8;116:16;130:19	years (23)	130:22
water (63)	western (3)	work (13)	9:4;40:20;43:16;	11 (7)
52:13,14,14;60:21,	69:16;121:3;129:2	4:22;52:15,16,17;	47:14;51:9,15,16;	15:16;77:1;120:4,
21,22;61:2,3,4,6,8,10,	wet (3)	53:21;106:22;112:5;	62:11;64:24;65:1;	8;121:16,18;146:5
14;62:9,9,12,17,18,	112:20,21;134:20	116:14,17;146:23;	74:16;75:16;76:2;	11/22 (3)
23,24;63:3,4,5,6,7,8,	wetlands (3)	149:13;150:1;157:21	94:23;98:24;105:7;	105:15;111:5;
10,11,24;64:2,7,10,	61:20;65:12,15	worked (12)	106:12;108:13;	121:16
15,17,21,65:20;	whatnot (1)	52:11;53:6;74:16,	111:2;113:11;130:4;	11/3/21 (1)
78:10;103:15;108:4,	151:9	19;98:23;109:22;	131:1;133:24	105:12
4,6,19;116:12,22;	what's (2)	110:5;113:1,17;	yellow (4)	111 (4)
118:7,14;119:10,11,	123:15;140:16	114:8;122:10,24	70:17;113:13,14;	7:12;16:3;18:13;
11;120:5,6,6,18,23;	whereas (1)	working (9)	127:4	19:6
123:15;125:5,10;	151:19	34:6;42:12;53:16,	YERANSIAN (1)	11-by-17 (1)
130:19;131:16;	Whereupon (1)	21;97:21;128:10;	119:3	55:21
132:23;133:3,10;	160:22	134:1;146:15;149:20	yield (2)	11th (5)
134:10	Whitney (1)	works (5)	96:22;98:11	
waters (1)	39:6			146:17;147:5;
61:21		12:15;134:21;	youth (1)	157:19,20,23
V - V	whole (8)	144:23;145:1;150:23	66:5	12 (2)
waving (1)	24:13;44:23;88:24;	worse (1)	77	64:19;99:3
33:17	89:1;94:9,15;122:18;	107:21	Z	12-acre (8)
way (20)	132:8	worth (2)	(4)	41:13;42:10;53:19;
4:23;7:18;31:21;	who's (1)	40:7;44:12	zero (3)	56:22;58:3;70:16;
32:6;38:15,15;87:5;	37:2	worthwhile (1)	49:1;114:1,2	96:11,15
96:1,12;122:9,9;	wildlife (3)	44:7	Zone (3)	13 (5)
130:7;133:4;135:20;	72:14,14,22	wrap (1)	60:20;61:2,22	13:3;20:12;24:24;
141:5;144:23;145:1,	William (5)	45:15	zones (1)	26:4;138:14
12;146:24;156:19	5:10;6:2,3;160:3,8	writing (1)	61:5	14 (1)
wealth (1)	wisdom (1)	148:3	Zoom (15)	111:4
149:5	62:12	written (52)	5:6;11:9;12:1,2,8,	14th (4)
web (2)	wish (2)	7:16,16;8:20;	10;13:7;17:23;38:10;	149:12,24,24;
150:19;151:9	81:5;86:17	14:18;22:2,14;25:18,	118:9,16;151:24;	150:16
Wednesday (1)	within (38)	22,23;27:7;28:3;	159:12,22,23	15 (5)
157:3	14:18;21:19;57:11;	30:21;31:5,7;35:2;		13:2;66:2;91:7;
week (6)	58:8,18;60:9,19,19;	36:2,6;54:19;55:4;	1	121:2;131:1
86:16;114:16,19;	61:2,5,9,19;62:7;	85:23;87:8;88:10;		150A (7)
133:18,19;150:20	63:19;64:3;65:11,14,	102:7,14;137:13;	1 (5)	7:12,12;16:4,4;
weekend (1)	19,23;66:3,14;68:19;	138:3,15;139:5;	55:6;88:18;94:12;	18:14;19:6,19
146:19	69:15;73:13,21,23;	141:23;143:20;	104:4;108:24	15th (2)
weekends (2)	76:10;79:1;82:8,21;	147:3,3,15,19;148:1,	1,000 (1)	146:22;148:14
149:4,20	93:14;97:17;100:5,	13,15,24;149:11;	61:9	16 (8)
weekly (1)	19;106:6;107:6;	150:8;152:7,24;	1,000-foot (1)	7:14;16:7;25:15;
6:22	121:12;132:20	153:1,4,8;154:2,14,	121:5	27:19;38:23;131:1;
weeks (1)	without (6)	17;156:8;157:18,24;	1,001-foot (1)	159:12,21
141:11	27:10;62:13;	158:7	121:12	16.13 (1)
weigh (1)	120:15;124:13;	wrote (1)	1,200-ton-per-day (1)	20:20
83:17	127:18;153:4	137:21	91:11	16.20 (4)
welcome (3)	witness (6)	Wynne (1)	1/2 (3)	15:16;25:5;26:21;
11:8;56:4;86:5	17:7;31:16,23;	17:5	7:12;16:4;104:4	27:3
welcomes (1)	33:5;50:23;152:13		1/2-acre (1)	16.40 (3)
9:7	witnesses (11)	\mathbf{Y}	129:5	19:22;28:9;30:7
weld (1)	15:11;16:16,21;	- 44	1/2-by-11 (1)	16.403a (1)
132:15	29:5;30:22;31:15;	yard (1)	55:20	23:23
wells (11)	32:7;86:4,19;152:11,	42:18	1/2-inch-thick (1)	16.404 (3)
59:4,13;62:12,21;	11	yards (4)	131:18	23:18,21,24
63:12;64:14;94:11;	wondering (1)	49:12;57:4;58:7;	10 (2)	16.405 (1)
109:13;110:4;	157:4	105:3	8:6;63:17	24:2
119:10;120:5	Woods (1)	Yarmouth (1)	10.207c (1)	16th (31)
weren't (6)	112:19	45:8	22:17	13:23;14:13;23:5;
44:5;109:17,18;	word (1)	year (3)	100 (2)	86:12;137:3;138:23;
122:15;154:21;	144:22	71:8;114:22;	78:19;111:7	139:12;141:6;
156:24	words (7)	128:22	100-foot (2)	142:10;143:2,10,21;
West (6)	42:24;71:22;	yearly (1)	69:20;78:19	145:2;146:11;

Before Hearing Officer	John F. Shea			February 2, 2022
147:23;148:8;152:7;	2007 (1)	53:8;64:11;71:15,17,	65:7	56:11,18;57:10
153:2,6;154:3,9,18;	44:15	20;74:1	0017	2011,10,01.10
155:9;156:7,18;	2008 (4)	29 (1)	5	8
157:1,8;159:5,13,15;	95:8;107:15;	54:8		
160:12	108:16;111:23	2A/3A (1)	5 (3)	8 (19)
16th/after (1)	2009 (1)	109:3	13:2;78:2;106:20	30:2;41:9;49:20;
142:15	34:9	2nd (2)	5,175,000 (2)	53:18;55:20;56:21;
17 (2)	201 (2)	13:14;21:22	49:12;57:4	58:1;59:14;62:14;
22:17;129:5	34:16,18	^	5.1 (1)	79:18;92:21;105:2;
17.34 (6)	2010 (6)	3	105:6	115:17;119:16,17,23;
6:14;70:4;126:20; 127:1,7;128:24	46:1,6,8;76:1;95:8; 111:23	3 (13)	5.175 (1) 105:3	121:4;127:15,18
18 (1)	2016 (1)	8:1;20:19,20;	5.3 (1)	825 (2) 7:2;50:1
13:5	41:14	21:21;22:21;23:13;	120:21	85 (2)
185 (2)	2019 (3)	26:22;60:23;63:13;	500 (2)	77:10;91:6
49:19;56:15	45:24;46:1,13	104:4;105:16;109:1;	61:24;67:5	77.10,71.0
18-inches (1)	2020 (3)	115:13	55-page (1)	9
103:22	20:11,12;38:10	3,500 (1)	23:15	
19 (2)	2021 (10)	45:1		9 (27)
14:20;103:6	12:3;13:2;22:21;	30 (4)	6	13:20;25:5,16;
1955 (1)	48:18;54:8;55:12;	9:1;21:19;64:24;		27:7,12,16;29:22;
18:11	75:19;83:4;128:19;	109:21	6 (5)	41:3;42:2,2;49:17;
1959 (1)	159:12	31 (1)	57:19;62:3;63:14;	53:18;55:12;56:16;
37:24	2022 (26)	22:22	117:22;120:17	57:16;62:14;79:16;
1967 (2) 38:22;41:2	4:2,4,7;8:1,7;13:2, 3,5,21;14:19,20;	310 (17)	6:00 (2)	92:15,19;93:1,7,14;
1971 (1)	20:19;21:21;22:18,	7:13;15:16;16:7; 19:21;20:20;22:17;	80:9,24	96:12;104:21;105:2;
51:24	19,22;23:13;24:22;	23:18,20;24:1;25:5,	6:09 (1) 80:24	115:17;127:10 9,000 (1)
1972 (1)	27:8,12,16,19;28:2;	15;26:1,21;27:3;	6:10 (2)	129:4
38:23	54:24;159:16,21	28:9;30:6;103:6	80:10,22	9701 (1)
1980s (1)	2024 (1)	3516 (1)	6:15 (2)	105:18
39:2	7:6	95:3	80:11,12	99 (2)
1987 (1)	2030s (1)	37 (2)	600 (1)	56:11;133:24
19:6	57:5	98:24;133:24	6:21	99-acre (2)
1999 (2)	2035 (1)	38 (1)	60-mil (6)	4:13;11:12
39:10;47:22	46:15	54:6	103:11,19;132:3,4,	9a2 (1)
1st (2)	2040 (1) 7:9	3rd (1)	23;134:16	26:2
44:21;135:19	2040s (2)	104:14	63 (1)	9B (1)
2	49:24;57:6	4	24:4 66 (1)	27:3 9th (15)
	21 (3)	T	45:3	27:18;128:19;
2 (8)	14:19;28:2;43:16	4(1)	1 13.3	137:7;139:19;
4:2,4,7;55:9;94:13;	219,000 (2)	78:2	7	142:15;146:14;
103:23;104:4;109:1	6:23;49:24	4,900 (1)		147:4,16;153:6,11;
20 (5)	21st (1)	6:22	7 (18)	154:3,4,18;155;5;
25:16;26:1;47:14;	139:5	4.7 (1)	30:1;41:9;49:20;	158:3
62:11;75:16	225 (3)	105:9	53:18;56:21;57:24;	
200 (5)	49:18,21;56:15	4:00 (7)	59:14;62:14;79:18;	
65:20,23;111:21;	24-by-36 (2)	13:23;137:3;159:5,	92:21;105:2;115:16;	
114:1;115:2 2000 (2)	55:17;66:10 25 (3)	12,16,21;160:12	119:16,17,23;121:4;	
34:7;68:6	54:24;65:1;73:14	4:12 (2) 4:4,7	127:15,18	
2000s (1)	25-acre (13)	40 (2)	7.1 (1) 105:9	
120:9	6:11;29:23;41:5,6;	9:4;108:17	7:32 (1)	
2001 (4)	53:16;56:11,17;	400 (3)	143:8	
41:7;53:10,11;	57:21;69:10,15;	61:7;65:20,23	7:56 (1)	
76:24	70:13;126:18,19	40-foot (2)	160:23	
2003 (3)	26 (2)	6:18;49:18	700 (1)	
75:12,17;83:3	22:19;24:22	430 (1)	6:21	
2005 (3)	26th (1)	99:3	74 (1)	
9:3;41:8;53:15	35:14	45 (3)	56:12	
2006 (1)	28 (9)	14:18,20;151:20	74-acre (6)	
17:22	34:23;38:9,13;	4-feet (1)	6:16;41:1;42:1;	