

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 professed 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

Bei	ore Hearing Officer John F. Shea		repruary 2, 2022
			Page 3
1	COMMONWEALTH OF MASSACHUSETTS	1	REMOTE APPEARANCES, continued
2	TOWN OF BOURNE BOARD OF HEALTH	2	ALSO PRESENT:
3	**********	3	Terri Guarino, R.S., C.H.O, Health Agent Kaitlyn Shea, Health Inspector
4	IN RE:	4	Philip A. Goddard, ISWM
5		_	Ken Ryan, SITEC
	BOURNE BOARD OF HEALTH PUBLIC HEARING TO CONSIDER PROPOSED MAJOR	5	Jennifer McGrail, Bourne Community TV
6	MODIFICATION OF THE EXISTING SITE ASSIGNMENT TO ALLOW THE VERTICAL AND	6	Richard Jordan
7	HORIZONTAL EXPANSION OF THE LANDFILL	7	Kim Hazarvatian Glenn Cannon
8	**************************************	8	Kirstie Pecci, CLF Steve Zemba
9		9	Thomas Yeransian Amy Ball
10	TOWN OF BOURNE BOARD OF HEALTH	10	MJ Mastrangelo
11	REMOTE PUBLIC HEARING	11	
12	BEFORE HEARING OFFICER JOHN F. SHEA	12	Chris Powicki
13	(conducted exclusively through remote	13	
14	participation)	14	
15	Recorded and Televised by Bourne Community TV	15	
16	February 2, 2022, 4:12 p.m.	16	
17	First Day	17	
ì	Pages 1 - 161		
18		18	
19		19	
20	reported by: Janet L. Wynne, CSR No. 131793 Registered Professional Reporter	20	
21	-	21	
22	Beacon Court Reporting Services 100 Independence Drive, Suite 7	22	
23	Hyannis, Massachusetts 02601 www.beaconcourtreporting.com	23	
24	www.beaconcourterporermy.com	24	
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1	REMOTE APPEARANCES:	1	PROCEEDINGS
2	BOARD MEMBERS:	_	FEBRUARY 2, 2022, BOURNE BOARD OF HEALTH MEETING
3	Stanley Andrews, Chairman William Meier, Clerk	İ _	AND HEARING REPORTED REMOTELY FROM HYANNIS,
4	Donald C. Utti Barbara Princiotta		MASSACHUSETTS, ON FEBRUARY 2, 2022, AT 4:12 P.M.
5	FOR THE APPLICANT:	5	*****
6	Michelle N. O'Brien, Esq. Pierce Atwood LLP		MD CHADMAN Olay Good
7	100 Summer Street, Floor 22 Boston, Massachusetts 02110	6	MR. CHAIRMAN: Okay. Good
8	(617) 488-8146 mobrien@pierceatwood.com	7	afternoon. It is 4:12, February 2, 2022. My name
9	FOR THE BOARD:	1	is Stanley Andrews, Chair of the Bourne Board of
10	Steven A. Torres, J.D. Victoria Rosa, Esq.	1	Health. I am calling to order this public hearing
11	West Group Law, PLLC	1	on the Bourne integrated solid waste management
	4 Richmond Square, Suite 350 Providence, Rhode Island 02906 (401) 371-3636	1	application for a major modification of the
12	storres@westgrouplaw.com	į.	existing site assignment for a proposed vertical
13	vrosa@westgrouplaw.com	1	and horizontal expansion of the 99-acre solid waste
14	FOR THE TEN CITIZEN GROUP: Lisa Gianelly, Esq.	14	management facility.
15	Conservation Law Foundation 62 Summer Street	15	Note, this public hearing is being
16	Boston, Massachusetts 02110 (617) 350-0990	16	recorded and televised by Bourne Community TV. All
17	SPEAKERS:	17	members are participating remotely. If anyone
18	Daniel Thomas Barrett, GM, ISWM	18	participating in the hearing is also recording,
19	A. Raymond Quinn, PE, SITEC David Murphy, PE, Tighe & Bond	19	they need to acknowledge such at this time.
20		20	Janet, you're recording as well?
21		21	THE STENOGRAPHER: I am recording
22		22	for my own work product, steno benefit, that's it,
23			no other way.
24		24	MR. CHAIRMAN: I just need to have
			,

-	Page 5		Page 7
:	it acknowledged for the record.	1	and disposal, will remain at a maximum material
:	THE STENOGRAPHER: Okay. Thank you.	2	acceptance rate of 825 tons per day.
;	MR. CHAIRMAN: In compliance with	3	The applicant is not proposing any
1.	4 open meeting law regulations on remote	4	additional tonnage capacity in this application.
!	5 participation and COVID protocols, I ask for a roll	5	The proposed expansion would extend the life of the
	6 call vote to open this Zoom public hearing. My	6	landfill until approximately 2024.
-	7 colleagues, who, together with me, will evaluate	7	THE HEARING OFFICER: Could you
8	the request for a site assignment, are Galon	8	state that again.
'	Barlow will not be participating due to health	9	MR. CHAIRMAN: 2040. I'm sorry.
10	reasons William Meier	10	This public hearing will be
11	MR. MEIER: Yes. Present.	11	conducted under Massachusetts General Laws
12		12	Chapter 111, Section 150A and 150A 1/2 and the
13	MR. UTTI: Here.	13	MassDEP site assignment regulation at 310 CMR,
14		14	Section 16. The board of health will review the
15	5 Princiotta.	15	application, the MassDEP site suitability report,
16		16	and written and oral testimony, and issue a written
17	THE HEARING OFFICER: The board	17	decision.
18	F	18	By way of additional introductions,
19	8 · · · · · · · · · · · · · · · · · · ·	19	we have Terri Guarino, the Town's health agent,
20	MR. CHAIRMAN: Do I have a motion to	20	registered sanitarian, and certified health agent.
21	open the hearing by one of the members?	21	Steve Torres, Esquire, of West Group Law is the
22	MR. MEIER: I make a motion to open	22	board's legal counsel. David Murphy, Professional
23	the meeting.	23	Engineer of Tighe & Bond, is the board's review
24	MR. UTTI: Second.	24	engineer.
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	Page 6		Page 8
1	MR. CHAIRMAN: I have a motion from	1	On January 3, 2022, the MassDEP
2	Don Utti, a second from William Meier.	2	Southeast Regional Office issued a positive report
3	Roll call vote: William Meier?	3	on site suitability for the expansion of the solid
4	MR. MEIER: Yes.	4	waste landfill. The public hearing notice of the
5	MR. CHAIRMAN: Don Utti?	5	proposed site assignment major modification was
6	MR. UTTI: Yes.	6	published in the Cape Cod Times on January 10,
7	MR. CHAIRMAN: Barbara Princiotta?	7	2022. Certified mail notices were mailed to
8	MS. PRINCIOTTA: Yes.	8	abutters and others in compliance with the MassDEP
9		9	regulations. Notice was posted under the open
10	The proposest emparistants and on the	10	meeting law.
1	parcels of land. The first area is a 25-acre	11	The MassDEP site assignment
1	parcel that is currently site-assigned for solid	12	regulations set out the procedures for reviewing
	waste handling and is proposed to be used for a	13	- Francisco de la companya del la companya de la co
	horizontal landfill expansion of about 17.34 acres	14	Francisco Contract and Legalitations, and Court
15		15	of health selects a hearing officer who is
16		16	responsible for conducting the public hearing. Our
17	,	17	board still has the sole responsibility and
18	T T	18	authority to evaluate the evidence received during
19	1110 11111 10	19	and the same of th
20	F 1	20	assignment and issue a written decision.
21	r	21	It is with my pleasure to introduce
22	5, 1 , 1 , 1 J J		our hearing officer, John F. Shea of the Boston
ı	of two thousand 219,000 tons. The overall ISWM	23	environmental law firm Mackie Shea Durning PC.
24	facility tonnage, including recycling, composting,	24	Attorney Shea has acted as a hearing officer in
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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
- 8 Attorney Shea. I now turn this public hearing over
- 9 to him.
- Mr. Shea.
- MS. O'BRIEN: Mr. Shea, before you
- 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
- 21 record and acceptable to the board, I guess.
- MR. CHAIRMAN: Who was that that --
- MS. RYAN: My name is Mackey Ryan,
- 24 from the Bourne Enterprise.

- at 1 and I am just audio recording --
 - 2 MR. CHAIRMAN: Thank you.
 - 3 MS. RYAN: -- for the purpose of the
 - 4 newspaper.
 - 5 THE HEARING OFFICER: Thank you,
 - 6 Chairman Andrews.
 - Good afternoon to the board and
 - 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
 - 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
 - 23 matters, I -- although we have the ability to mute,
 - 24 I ask everyone to please keep background noise to a

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- MS. O'BRIEN: It says "Mackenzie
- 2 Ryan, Bourne Enterprise."
- 3 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 responded, and it was on a message at the bottom of
- 8 the screen.
- 9 MS. PRINCIOTTA: Mr. Stanley, he
- 10 didn't verbally confirm. He did it in the chat
- 11 room. I don't know if that's acceptable.
- MR. CHAIRMAN: No. It has to be
- 13 recorded verbally.
- MS. RYAN: I'm sorry, I wasn't aware
- 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.19 MR. CHAIRMAN: It is unacceptable
- 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
- 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
- 4 noise from children and MeTV was sometimes
- 5 humorous, it was certainly distracting and, for
- 6 some participants, annoying. So thank you for
- 7 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
- 14 meetings, but this is a new age for communications,
- 15 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
- 24 conferences by telephone with Steve Torres, counsel

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- 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 intervene
- 11 or participate.
- The board, with my concurrence, has
- 13 elected to conduct a bifurcated 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
- 20 their report and prefiled testimony on February 9,
- **21** 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

- 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.
 - 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 of
 - 13 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.

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- 1 tonight's remaining questions from the board and
- 2 will answer questions from the board, the hearing
- 3 officer, and any approved intervener.
- 4 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,
- 20 because the 45 days expires on March 19, 2022,
- 21 which is a Saturday and is, by operation of
- 22 regulation, extended to Monday.
- A little bit about my
- 24 responsibilities: It's my responsibility to ensure

- The public hearing itself: This
- 2 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 site
- 9 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,
- 14 instead of the Chair, who can now focus solely on
- 15 listening to the testimony and on asking questions
- 16 of witnesses.
- Secondly, under the regulations, I
- 18 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.

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1 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,
- 9 please remind me and I will call for a recess.

The fifth difference is that general participation from the audience is not allowed

- 12 under the MassDEP regulations. The board can hear
- 13 only the testimony from recognized parties or
- 14 participants who are identified in the regulations.
- 15 This restriction is designed to minimize personal
- 16 agendas and to focus presentations on the relevant
- 17 issues and siting criteria.
- A little bit about the site
- 19 assignment process: Not many boards of health have
- 20 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
- 23 with the same applicant, the board and the Zoom
- 24 audience might benefit from a brief historic

- 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,

7 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,
- 24 solid waste applications like the landfill major

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- 1 perspective on the site assignment process.
- 2 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,
- 9 piggeries, turkey and chicken farms, fish/gurry
- 10 processing plants, and dumps.
- In 1955 the legislature identified
- 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
- 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
- 3 evaluation, and a board of health site assignment
- 4 hearing.
 - I will leave it to the applicant to
- 6 describe in more detail, if necessary, how it has
- 7 proceeded through the site assignment process to
- 8 date. I note only that the applicant submitted an
- 9 expanded notice of project change to the MEPA
- 10 office in the Executive Office of Energy and
- 11 Environmental Affairs in February 2020.
- On November 13, 2020, the applicant
- 13 submitted a single supplemental environmental
- 14 impact report, an SSEIR. The secretary of EOEEA
- 15 issued a certificate determining that the SSEIR
- 16 adequately and properly complies with MEPA and its
- 17 implementing regulations.
- MassDEP issued a positive site
- 19 suitability report on January 3, 2022, pursuant to
- 20 310 CMR 16.13, paragraph 3.
- Today ISWM is undertaking the final
- 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

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- 1 appropriate using the siting criteria in the
- 2 MassDEP regulations and as presented in the
- 3 application and by MassDEP in its report.
- The applicant, the board's review
- 5 engineer, and any allowed intervener will present
- 6 evidence on compliance with the relevant siting
- 7 criteria.
- If the board grants the site
- 9 assignment modification, the ISWM must still obtain
- 10 two permits from MassDEP: An authorization to
- 11 construct and an authorization to operate in
- 12 compliance with operations and maintenance
- 13 requirements. If it chooses to do so, the board
- 14 can participate in these reviews.
- Finally, I'm going to make some
- 16 rulings on certain legal matters. First,
- 17 commencement: The site assignment statute and
- 18 regulations require the commencement of the public
- 19 hearing within 30 days of receipt of the MassDEP
- 20 report on suitability. The report was received on
- 21 January 3, 2022; therefore, this hearing, commenced
- 22 today, February 2nd, is in compliance with the
- 23 statutory and regulatory deadline.
- Secondly, notice: I have reviewed

- 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
- 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
- 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

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- 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.
- 5 Rulings on evidence: Under the
- 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
- 12 exhibits, to which I am sure there will be
- 13 additions.
- Included on the list are written
- 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
- 22 suitability review; and a January 31, 2022, ISWM
- 23 response to the CLF comment letter.
- I have reviewed the list of exhibits

- suitability criteria for a landfill are at 310 CMR16.40(5).
- Based upon its review of the
- 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
- 7 expanded municipal solid waste disposal facility.
- 8 This positive suitability report is
- 9 persuasive evidence that the site is suitable for
- 10 the proposed expanded solid waste disposal
- 11 facility; however, the positive finding is not
- 12 absolutely binding on the board of health. The
- 13 board may disagree in whole or in part if the board
- 14 receives contrary compelling evidence that the
- 15 modification will present a threat to the public
- 16 health, safety, or the environment based on the
- 17 application of relevant siting criteria.
- 18 Requests to participate and
- 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,
- 23 Esquire, Senior Fellow at the Conservation Law
- 24 Foundation. She filed 13 individual party

В	etore Hearing Officer John F. Shea	rebruary 2, 202		
	Page 25		Page 27	
	1 registration statements to register as a ten	1	Gianelli, who filed the registrations, or a member	
	2 citizens group.	2	of the group first identified by date, I presume,	
	Based upon the review of the	3	pursuant to 310 CMR 16.20, subparagraph 9B.	
	4 registrations, the MassDEP site assignment	4	Excuse me for a minute. I have to	
	5 regulations at 310 CMR 16.20, paragraph 9, and with	5	turn on a light in here.	
	6 input by counsel for the applicant, counsel for the	6	The ten citizen group shall file its	
	7 board, and counsel at the Conservation Law	7	written prefiled direct testimony on February 9,	
ĺ	8 Foundation, I find and rule as follows:	8	2022. CLF, on behalf of the ten citizen group, has	
1	As to Mr. McNally, his registration	9	expressed a concern about submitting its direct	
1	o as a participant demonstrates that he is a person	10	case without reviewing the review engineer's	
1		1	report, which will be filed on that same day,	
1	I I I I I I I I I I I I I I I I I I I	12	February 9, 2022.	
1	9 1	13	I believe that concern is misplaced.	
	4 close of the hearing; and to file a brief. The		The ten citizen group will have adequate time to	
1	5 requirements and limitations in 310 CMR 16,		review the applicant's prefiled direct testimony to	
1	1 8 1 7 1 8 1	16	meet the February 9, 2022, submission deadline.	
1	1 1 1	17	The ten citizen group should have adequate time	
18	1	18	from February 9th to submit testimony on the review	
1	o to intervene as a ten citizen group, I earlier	19	engineer's report before the February 16, 2022,	
20	,	1	continued hearing. This same deadline applies to	
2:	, , , , , , , , , , , , , , , , , , , ,		the applicant as well.	
22	,	22	We can discuss later today whether	
1	decision on this. Although the written request to	1	there are reasonable alternatives to complete the	
24	intervene is not styled as a pleading, it does	24	evidentiary proceeding that will allow the board	
1				

Page 26 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. 19 The registration statements 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

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 7 thereof, end quote. Such testimony shall be 8 limited to probative evidence using the siting 9 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? 13 Hearing no response --MR. TORRES: Mr. Hearing Officer, 14 15 Steven Torres for the board. No additional items. 16 THE HEARING OFFICER: Okay. Thank 17 you. 18 MS. O'BRIEN: Sorry, I didn't hear 19 that. THE HEARING OFFICER: Mr. Torres has 20

MS. O'BRIEN: Thank you. Nor do I.

THE HEARING OFFICER: Okay.

1 sufficient time to deliberate and issue a decision

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

22

24

21 no additional items.

23 Thank you.

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Page 29

So, after that long-winded 1

- 2 introduction, I now turn it over to Attorney
- O'Brien to present the applicant's affirmative
- case, and I remind you that I will be swearing each
- of the witnesses.

- MS. O'BRIEN: Thank you. Thank you
- for those remarks, Mr. Hearing Officer. It's very
- helpful to have that background.
- Good afternoon, Mr. Chairman,
- 10 Members of the Board, and others who are
- participating today. My name is Michelle O'Brien.
- 12 I'm an attorney at Pierce Atwood in Boston. It's
- 13 my pleasure to represent the applicant, the
- 14 Department of Integrated Solid Waste Management of
- 15 the Town of Bourne, fondly referred to as ISWM
- 16 because we love acronyms.
- 17 As you know from the chairman's
- 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
- 21 the existing landfill -- and that's referred to in
- 22 the materials as Phase 9 -- and a horizontal
- 23 expansion of the landfill on a 25-acre parcel that
- 24 is currently site-assigned for solid waste handling

- 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
- provided in the prefiled written testimony.
- They're not going to reiterate 6
- 7 everything that's in the written testimony,
- 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.
- 13 With the hearing officer's
- 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
- 2 8.
- 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
- 8 of health must find the site suitable unless the
- siting would constitute a danger to the public
- 10 health, safety, or environment.
- 11 And, as you know, MassDEP examined
- 12 the application under the site assignment
- 13 regulations and the site suitability criteria and
- 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 17
- proceeding, along with the many documents that
- 19 MassDEP relied on in issuing its decision.
- 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
- 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. Ouinn. Either way of conducting the
- 7 questioning of the witnesses is acceptable to me.
- MS. O'BRIEN: Do you have any
- 9 preference, Mr. Chairman? You're muted. There you 10 go.
- 11 MR. CHAIRMAN: I would prefer to
- 12 hear from both. I do not want to start asking
- 13 questions that would be answered by the
- 14 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
- sounds good to me. That's what we proposed and 18
- 19 suggested. So thank you for that.
- 20 And at the conclusion -- not today,
- 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

Be	fore Hearing Officer John F. Shea		February 2, 2022
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1	requested for the landfill expansion.	1	MS. O'BRIEN: Okay.
2	So, with that, I would ask I	2	Did you prepare written prefiled
3	believe Mr. Barrett's microphone is on; so I would	3	testimony in this matter?
4	ask the hearing officer to swear in the first	4	MR. BARRETT: Yes, I did.
5	witness, Daniel Barrett, please.	5	MS. O'BRIEN: And I don't know if my
6		6	camera is going to
7	THE HEARING OFFICER: Counselor.	7	Mr. Hearing Officer, how do you want
8	MS. O'BRIEN: Thank you, Mr. Shea.	8	to do that? The lights are going off here, too.
9	Thank you.	9	Yeah, you can't see that because I'm
10	J J	10	too far away from the camera, but I would ask you,
11	to sort of set the stage, if you will, Mr. Barrett.		just again for the record, to identify is your
12			prefiled testimony, a five-page document entitled
	screen, it says "ISWM Department" because obviously	13	"Prefiled Direct Testimony of Daniel T. Barrett,"
	there are a number of members of the group there,	14	signed under the penalties of perjury on the 26th
15	but Mr. Barrett is in the front with the argyle	15	day of January?
16	vest.	16	MR. BARRETT: Yes.
17	Thanks for waving your hand so we	17	MS. O'BRIEN: And, Mr. Hearing
18	can see you.	18	Officer, at your direction, we'll be, I guess,
19	If you would first please state your	19	holding off on offering these as evidence, but we
20		20	would obviously intend to include the prefiled
21	MR. BARRETT: My name is Daniel	21	testimony of Mr. Barrett in the record.
22	Thomas Barrett.	22	THE HEARING OFFICER: That's
23	MS. O'BRIEN: And if you would	23	correct.
24	please state for the board and the record your	24	MS. O'BRIEN: Thank you.
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		1	

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

Boulevard is also known as Route 28; correct?MR. BARRETT: Correct.

1	Mr. Barrett, in addition to your
2	prefiled written testimony, did you prepare a
3	presentation to share with the board today?
4	MR. BARRETT: Yes. I prepared a
5	PowerPoint presentation to provide a summary of my
6	written testimony.
7	MS. O'BRIEN: Excellent. And if
8	you, or whoever is running the screen over there,
9	would proceed to pull up that PowerPoint
10	presentation, if you would run through that, that
11	would be great.
12	MR. BARRETT: Good evening, Ladies
13	and Gentlemen. I'll be as brief as I can.
14	Obviously, I have a bad cold; so, if there's
15	something that you don't understand, please let me
16	know and I'll repeat it. We'll move along as
17	quickly as possible, as we have a lot to do.
18	I just want to acknowledge this
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.
23	In this room with me tonight I have
24	the ISWM staff the manager of facility

Page 37 1 compliance and technology development, Philip 2 Goddard, and also Asa Mintz, who's the operations manager. I'll let Mr. Quinn --3 MS. O'BRIEN: Sorry, could you just 4 advance the slides, please. MR. BARRETT: Certainly. 6 MS. O'BRIEN: You're still on the 7 8 cover slide. MR. BARRETT: Sorry. What happened q 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 15 features of --MS. O'BRIEN: He has a better map 16 17 for you to be able to do that. THE HEARING OFFICER: Thank you, 18 19 Counselor. Thank you. MS. O'BRIEN: Yes. 20 MR. BARRETT: It will be in the 21 22 slide, sir.

Page 39 1 regulations. In the early 1980s the Town of 2 3 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 9 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 establishment of a state-of-the-art integrated 14 solid waste management facility that was previously operated by the DPW as kind of a side operation to what they did every day. The Town of Bourne wanted to move forward. What does that mean? They have a 18 19 separate, focused department with trained, 20 experienced staff with solid waste management 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

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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. Now we'll zoom ahead to 2020 and see 10 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

explanation of those areas in a moment.

a little bit of background, as the hearing officer

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

22 1967. The board of health issued an original site

21 the Town of Bourne began operations on that site in

23 assignment on June 16, nineteen -- sorry -- 1972 in

24 response to continuing development of solid waste

The ISWM facility -- let me give you

And right to the pictures. This is

24 a Bourne landfill obviously taken in 1959. For

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. 14 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

17

18

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- 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
- 4 vertical expansion.
- 5 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
- 9 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
- 14 purchased in 2016, which is the proposed location
- 15 for new offices, maintenance facilities, and,
- 16 pending successful site suitability, the solid
- 7 waste handling and transfer operations will be
- 18 displaced -- which will be displaced by the
- 19 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
- 24 remember this same geometry from the previous map.

- 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
- 7 this expansion is important.
- 8 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
- 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
- 24 demonstrated this already, but our goal would be to

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- 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.
- 6 Moving to the south, currently
- 7 undeveloped for landfilling space, this currently
- 8 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 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
- 6 a host agreement with the company, but it just
- 7 didn't happen. So it's always worthwhile to keep
- 8 in mind -- notice we move from north to south. The
- 9 south is where the virgin property is, and that's
- 10 where we hope someday to build something that is
- 11 better than landfilling.
- 12 It's worth mentioning that -- the
- 13 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
- 16 SEMASS closed because of a catastrophic fire.
- 17 Overnight ISWM filled the void and accepted all MSW
- 18 from the towns on Cape Cod, with no financial
- 19 impact and absolutely no backup in service.
- I was involved at that point -- you
- 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.

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- 1 3,500 tons a day, we've got to move it somewhere.
- 2 Again, with diminishing capacity, it's not as easy.
- 3 66 percent of towns rely on ISWM4 either 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 the
- 9 household waste from the town of Falmouth, through
- 10 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 my
- 14 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
- 20 we'd like to keep that moving, and we will continue
- 21 to do so. We are an integrated solid waste
- 22 management facility.
- 23 Consensus plan from leadership: We
- 24 had a joint meeting in 2019. We had an earlier

1 Researching innovative technologies

- 2 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.
- 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.
- Since 1999, the facility development
- 23 and operates -- and operations have undergone
- 24 continuous environmental review and approval from

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- 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 formal
- 5 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
- 9 didn't want a landfill municipal solid waste. We
- 10 switched over to ash, which represents the
- 11 irreducible minimum at this point.
 - The board of selectmen in November
- 13 of 2019 voted unanimously to support the expansion,
- .4 which allowed us to move forward, maximizing full
- 15 use of the landfill up to 2035. But I will point
- 16 out to you, that's why we did it -- so that we had
- 17 that option under our belt where we could continue
- 17 mai option under our beit where we could commu
- 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.
- 21 Maximizing all of the site for
- 22 potential solid waste handling operations beyond
- 23 the life of the landfill, that's what we want to
- 24 do.

12

- 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
- 7 explanation of what we had gone through thus far,
- 8 may have missed the Cape Cod Commission. It's
- 9 another layer of regulatory authority. We needed
- 10 to file an application for development of regional
- 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 critical
- 21 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,

Page 49 1 and a zero waste system. It is a sensible and MS. O'BRIEN: Thank you, Mr. Quinn. 2 efficient -- it is sensible and efficient to make 2 If you would please just state your name for the 3 use of expanded and existing facilities where record, and we'll run through a few preliminary 4 resources and infrastructure are already in place, 4 items before you conduct your presentation. 5 provided that regional resources can be protected. MR. QUINN: Yes. My name is 5 6 A. Raymond Quinn. I'm employed by SITEC 6 And they did a thorough investigation to make sure 7 we were going to do that. So, again, they mention Environmental. My position is as a senior project 8 that they want us to move on and get out of the 8 manager. I've gone into semi-retirement four or 9 landfill business. five years ago. I had been the majority owner and 9 A quick overview of the expansion, president of the company until five or six --10 10 11 and then I'll turn it over it Ms. O'Brien. MS. O'BRIEN: Did -- I'm sorry, I 11 didn't mean to cut you off. I'm sorry, you were 5,175,000 cubic yards of airspace. 12 12 13 What you're seeing on that map that I showed you president for how long? 13 14 are -- that's where that airspace is contained. MR. OUINN: I was probably president 14 15 We'll have it there. Hopefully, we won't need to for about six or seven years. And I went into 15 16 use it. semi-retirement about six years ago. 16 Phase 9 is a vertical expansion up MS. O'BRIEN: So you've been trying 17 17 18 to 225 feet -- a 40-foot vertical expansion. The 18 to retire for a while now. 19 current height limit is 185. MR. QUINN: I've been trying. 19 Phases 7 and 8 are horizontal MS. O'BRIEN: I get it. Yes. 20 20 21 expansions to the south up to 225 as well -- mean Did you attend a college? 21 22 sea level. I'm sorry. MR. QUINN: Yes. I went to 22 Potential to last into the early Northeastern University and graduated with a 23 24 2040s. Annual tonnage, 219,000 tons. No change. bachelor's in civil engineering in 1971.

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1 No change to traffic. Daily site tonnage, 825. No
 2 change. No change. We did that on purpose.
             And that's it. A view of our front
 4 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
 9 aren't feeling well, but thank you.
            So we're going to turn to Mr. Quinn.
10
                                                        10
11 Mr. Hearing Officer, if you would swear in
                                                        11
12 Mr. Ouinn.
                                                        12
            And, yes, Ray, thanks for moving up
13
                                                        13
14 because now I can see you. You were a little out
                                                        14
15 of the camera view a minute ago. So I think
                                                        15
16 that's -- I think that's good. I think everyone
                                                        16
17 can see you now.
                                                        17
            For those who are looking at
18
                                                        18
19 Mr. Quinn, he is also in the ISWM Department block,
                                                        19
20 if you will, on the screen opposite where
                                                        20
21 Mr. Barrett is sitting.
                                                        21
            So, if you would please swear the
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                                                        22
   witness, then we can get going. Thank you.
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            A. RAYMOND QUINN, sworn.
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MS. O'BRIEN: Do you hold any 1 professional licenses or certifications? 2 MR. QUINN: Yes. Originally, prior 3 to semi-retiring, I had seven state professional engineering licenses and a Massachusetts Licensed Site Professional license. I let several of those 6 expire with my semi-retirement. I remain a professional engineer in Massachusetts and Rhode Island. MS. O'BRIEN: What type of projects have you worked on, generally speaking, in your professional career? MR. QUINN: Well, water projects, waste water collection and treatment, water

treatment, site development work, hazardous waste, remediation and assessment, site assessment work. Most of my work, say in the past couple of decades, a majority has been relative to solid waste projects. MS. O'BRIEN: And when you say

"relative to solid waste projects," what was your involvement? Again, generally speaking, what do you do -- what did you do? MR. QUINN: I prepared reports, I

February 2, 2022 Page 53 Page 55 designed facilities, both starting with MEPA 1 MR. QUINN: Yes. Yes, that is. applications, site assignment applications, design MS. O'BRIEN: Okay. Thanks. 2 2 of facilities, so preparing the authorization to Are there -- is your resume an 3 3 construct and authorization to operate exhibit or an attachment to that prefiled written 4 4 5 applications. 5 testimony? 6 MS. O'BRIEN: Have you worked with 6 MR. QUINN: Yes. It's Exhibit 1. ISWM regarding the solid waste facility located on MS. O'BRIEN: Are there other 7 7 MacArthur Boulevard, Route 28, in Bourne? 8 8 exhibits to your prefiled direct testimony? MR. QUINN: Yes, I have. Since MR. QUINN: There is an Exhibit 2, 9 9 2001. 10 which is the plans that were originally included in 10 MS. O'BRIEN: 2001. Have you been the application, with some modified plans dating as 11 11 involved in ISWM's efforts to expand the facility late as December 9, 2021. 12 12 13 over time? 13 MS. O'BRIEN: And, again, I'll just MR. QUINN: Yeah, going back to mention for the record, obviously the prefiled 14 14 15 2005, with the site assignment application for the direct testimony will be included in the board's 15 25-acre parcel, and then planning the working -record of this proceeding; but, also, ISWM provided 16 16 17 the concepts for this proposed expansion for a set of plan-size, 24-by-36, if I've got that 17 18 Phases 7, 8, 9 and, again, the future one for the 18 right, of the plans just so that the board has 12-acre parcel. those in the office. They're often a little bit 19 19 20 MS. O'BRIEN: As part of your recent 20 easier to read than the 8 1/2-by-11 or even 21 work that you just mentioned, working with ISWM 21 11-by-17 versions of those plans and figures. regarding the currently contemplated expansion, did 22 Mr. Quinn, did you also prepare a 22 that include preparing an application for presentation to share with the board this 23 23 modification of the site assignment? 24 afternoon? 24 Page 54 Page 56 1 MR. QUINN: Yes. MR. QUINN: Yes, I did. It's a MS. O'BRIEN: And I'm far away from PowerPoint presentation, as Dan's. 2 the camera; so maybe I'll actually step up and put MS. O'BRIEN: Excellent. If you 3 3 it in front of the camera. But I just want to 4 would pull that up. And you're welcome to go identify for the record what the title is. Is that through the PowerPoint presentation. 5 5 the BWP SW 38 application for site suitability for MR. QUINN: Thank you very much. I 6 a major modification of an existing site assignment appreciate the opportunity to speak with the board 7 dated March 29, 2021? and make this presentation. 8 8 MR. QUINN: Yes, it is. Yes, that 9 9 The project background: As you've looks like it. been given, it's a landfill facility that occupies 10 10 11 MS. O'BRIEN: Everyone can see it. 11 99 acres on two parcels, a 74-acre and a 25-acre It's a nice, thick document; right? parcel. The 74 acres is currently site-assigned 12 12 MR. QUINN: Yes. for landfilling, but we're seeking a modification 13 13 MS. O'BRIEN: So at the appropriate in order to do a vertical expansion from an 14 14 time we will be introducing this into the record as elevation of 185 to 225 Mean Sea Level. And this 15 15 well, Mr. Shea. would constitute the Phase 9 expansion. 16 16 THE HEARING OFFICER: Yes. 17 Then the 25-acre parcel, which is 17 MS. O'BRIEN: Mr. Quinn, did you immediately to the south of the 74-acre, is 18 18 19 also prepare written testimony for the hearing? 19 site-assigned currently for handling solid waste. MR. QUINN: Yes, I did. We are seeking to modify a portion of that parcel 20 20

January 25, 2022?

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MS. O'BRIEN: And is that your

prefiled direct testimony of A. Raymond Quinn, PE,

dated -- sorry, probably you can tell me -- dated

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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

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1 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

1 treatment: The system will be expanded with the

- 2 landfill by expanding the existing collection
- 3 network, 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
- 7 adequately sized flare treatment system. This
- 8 provides 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

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1 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 or receptors.

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

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- to pose a danger. The waste deposition is not 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
- 8 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 12 areas.

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

18 the areas where there are marks and the colored

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

downgradient of the land.

2 The third condition is there exists

a sufficient existing public water supply or 3

drinking water source areas to meet the

municipality's needs. In fact, the Bourne Water

District supplies water for this side of town. 6

Water is supplied by ten different sources,

8 including part of the Upper Cape Regional Water

Supply Cooperative. And the cooperative allows the 9

Bourne Water District to provide -- to obtain 10

additional water as needed. 11

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

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feet, and a half a mile. 1

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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 4

source aquifer, unless the US -- in fact, the US 5

EPA and the Massachusetts Contingency Plan define 6

Cape Cod as being a sole source aguifer, so within

that area, however, with exceptions, one being no

existing water supplies or proposed drinking water

areas are downgradient of the site. 10

> 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 aguifer, 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

Before Hearing Officer John F. Shea Page 65 monitoring a well for 25 of those years and 2 Cape Cod Commission monitoring another well for the past five. So there is certainty on what the 3 4 maximum groundwater elevation is at this area. Our job, then, is to design the 5 bottom of the liner, which will be the waste 6 7 containment area, to be 4-feet separation. We have 8 our preliminary design, and we will be making sure that we establish a conservative separation. 9 Other simple -- one other criterion 10 10 is that we are not within an area protected by the 11 11 Wetlands Protection Act, including the hundred-year 12 12 floor -- floodplain. The waste deposition area and 13 13 leachate contaminants are not within an area 14 14 protected by the Wetlands Protection Act; thus the 15 15 site meets this criterion, as shown on the attached 16 16 land use plan. 17 17 18 Any area of waste deposition or 18 leachate containment greater than four -- within 19 19 400 feet of a lake or 200 feet of the water -- a 20 20

riverfront area -- should not be sited. Again, the

riverfront area. The site meets this criterion, as

not within 400 feet of a lake or 200 feet of a

waste deposition area and leachate containment are

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

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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 6 on this plan. 7

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 17 which is their store --18

(Stenographer requests 19 clarification.) 20

MR. QUINN: -- which is a store -- a 21 permanent structure on the campground that has a 22 store with an apartment on the second floor above 23 24 the store.

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 about 2000. So we will meet the requirements of any stipulation, whether current or upgraded, by 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.

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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.

1 and access to the site, and it stipulates that no

- 2 site 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
- 9 traffic congestion. One, there is no change to
- waste or traffic volume from the original and the updated studies; thus there is no change to traffic
- 12 conclusions.

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
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 exit.

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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.)

MR. QUINN: Sure.

Our next criteria relates to traffic

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 MR. QUINN: Yes. 2 THE HEARING OFFICER: -- I'd ask you 3 4 to slow down a little bit. I'm having a hard time following, and poor Janet --5 (Stenographer admonishment to slow 6 7 down.) MR. QUINN: I do apologize. It's 8 somewhat difficult to change natural tendencies. 9 The conclusion, the Natural Heritage 10 and Endangered Species Program determined, in 11 11 correspondence which is included in the 12 12 application, that the area delineated within the 13 13 14 25 acres is exempt from any further review by 14 15 NHSEP, the Massachusetts Endangered -- Protection 15 of Endangered Species Act. Sorry. So the site 16 16 17 meets this criterion. 17 18 Relating to areas of critical 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 located adjacent to an ACEC. The ISWM facility is not within an

ACEC. The closest ACEC is the Bourne Back River.

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shall be suitable where anticipated emissions from the facility would not meet required state and 3 federal air quality standards or would constitute a 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 --

UNIDENTIFIED SPEAKER: Consideration.

MR. QUINN: -- considering the concentration and dispersion of emissions; the number and proximity to sensitive receptors; and the attainment -- oh, status -- attainment status.

In 2003 -- well, first of all, I should say potential air quality impacts are treated by the active gas collection system and 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

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which is located across from the Route 28 facility and was the gray line I tried to point out on the land use plan. And this will not be impacted by the facility; thus the site meets this criterion.

The next facility [sic] is protection of open space, and no site shall be determined to be suitable where such siting would have an adverse impact on the environment of protected sites or on the use and enjoyment of such sites as state forests, municipal parks, MDC reservations, even though they no longer exist,

lands with conservation, preservation, agricultural 12 land, and conservation land owned by private 13 nonprofit land public organizations, which would 14 15 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

those, have decreased significantly since 2010. In fact, the hydrogen sulfide did cause problems years ago receiving pretreatment going into the flare system, but we were able to shut that system down, demonstrating we had fallen below the concentration of hydrogen sulfide that needed to be pretreated.

In addition to the MEPA and Cape Cod Commission process, there was a great deal of study 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

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application as Attachment 11. The conditions of the procurement of the study in that survey have 2 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

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 plenty of room for material storage around the site. Thus the site meets this criterion. 3

Areas previously used for solid waste disposal: Where there's an adjacent -- where an area adjacent to the site of a proposed facility has been previously used for solid waste disposal, the following factors shall be considered by the

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 14

impacted by the expansion of the existing facility, to which we did a structural analysis for the 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

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site will meet this criterion.

interference. While Joint Base Cape Cod, Otis Air 2

Force, is -- the runway areas are 4 to 5 miles

away; so they do not -- the seagull population, it 3

does exist; it doesn't credit a risk to those 4

facilities. And since we are not changing any

waste or operations, that lack of impact should not 6 7 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: 14 No site is suitable if the size of the site is 15 insufficient to properly operate and maintain the 16 17 proposed facility. The minimum distance between waste handling and a property boundary shall be 18 100 feet. A 100-foot buffer, as I showed you in 19 the site plan, will be maintained between the waste 20 21 deposition and the area's site perimeter. 22

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

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 6

MR. CHAIRMAN: I believe it's time

7 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.)

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Page 81 THE HEARING OFFICER: Mr. Quinn? 1 2 MS. O'BRIEN: The ISWM group, you 2 guys are still on mute. And, Ray, you'll have to 3 4 move a little closer to the camera again, please. THE HEARING OFFICER: I wish I knew 5 sign language. You guys. 6 MS. O'BRIEN: I know. Like, who 7 is -- I'm not sure who is controlling the mute. 8 Ray, you're still muted. And we 9 can't see you in the video; so you need to move up, 10 10 please. There you go. 11 11 THE HEARING OFFICER: There you go. 12 12 MS. O'BRIEN: You're halfway there. 13 13 14 You're unmuted, but we can't see you. 14 Thank you. Sit up -- sit up tall. 15 15 You're sort of sliding in and out of the view here. 16 16 Okay, a few more criteria to go 17 17 18 through. 18 THE HEARING OFFICER: Go ahead, 19 19 20 Mr. Quinn. 20 MS. O'BRIEN: Ray, you can go ahead, 21 21 I think John just said, when you're ready. 22 22 MR. QUINN: Our fault. We had the 23 23 24 TV muted. Sorry. 24 Page 82

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

The overall conclusion of the 2003
cumulative impact study and its 2021 update is that
there will be no significant impact to receptors.
We have just an extension of an existing facility
that is proven not to be a risk to the environment,

8 safety, or public health. Thus we me this9 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 facility meets the municipal's regional solid waste management; the existing and proposed facility that contributes to the town's and the regional solid waste management needs of half a decade are proposed to continue to do so; and the extent to which the proposed facility incorporates recycling,

compost, and waste management.

2 (Stenographer requests clarification.)

clarification.)MR. OUINN: Ce

MR. QUINN: Certainly.
Again, the proposed facility will

allow for continued local recycling and composting programs for the town and the region. The site meets this criterion.

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 in the geographic area which the site will serve.

This is really a separate, third, almost, set of criteria, and only sub-criterion B applies to the board of health. The others are designated as to the department -(Stenographer requests clarification.)

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

Ready? Should I continue now?

Ready? Should I continue now?
 THE HEARING OFFICER: Please.

3 MS. O'BRIEN: Please do.

4 MR. QUINN: Okay.5 General site suitabilit

General site suitability,Criteria J, relates to existing facili

Criteria J, relates to existing facilities when evaluating proposed sites for new solid waste

7 evaluating proposed sites for new solid waste8 management facilities within communities where the

9 department and the board of health shall give

preferential consideration to sites, which hasnever been well defined. But, to begin with, this

is not a new solid waste management facility; so it

13 is not applicable.

K, general site suitability, is 14 consideration of other sources of contamination or 15 pollution. The determination of whether the site 16 is suitable and should be assigned shall consider 17 whether the projected impacts of the proposed 18 facility pose a threat to the public health, 19 safety, or the environment, taking into 20 consideration any impacts within existing 21 facilities or sources of pollution or contaminant 22 23 as determined by DEP; basically, will a new

expansion create a contamination issue or will our

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Page 85 With the proposed landfill expansion directly relevant to a specific criteria. But in 1 the facility will continue to incorporate all of DEP's site suitability report there was an 2 the existing recycling and composting operations extensive discussion about looking into 3 4 and will continue to provide regional recycling 4 environmental justice concerns, and -- could that capabilities. Again the site meets this criterion, be addressed in some way? 5 5 as it has all of the others. MS. O'BRIEN: Yes. I would ask 6 7 This, again, goes to all of the 7 Mr. Barrett to respond because he has some applicable site-suitability criteria that the ISWM information in his prefiled written direct 8 8 facility must address in its site assignment testimony that addresses that issue. 9 9 location. We propose that the facility does meet MR. BARRETT: Yes. 10 10 all of these and that the board of health, in So it was recognized during our 11 11 effect, should grant the site assignment application -- we had put our application in 12 12 modification as proposed by ISWM. already, and DEP had recognized in a letter to us 13 13 14 I thank you for your patience, your 14 that we did not apply -- an updated EJ materials 15 endurance. I'm sorry if I couldn't annunciate 15 did not apply to us, but they respectfully requested that we make the effort to submit the clearly enough. I hope I was understood. Thank 16 16 17 things as if they were, so we did. 17 vou. MS. O'BRIEN: Thank you, Mr. Quinn. 18 We set out -- we did exactly what 18 I know it's a little boring for some 19 they asked to us do. There were a few -- a couple 19 20 and a little challenging to go through the siting 20 of applicable EJ communities around us, most criteria one by one, but obviously it's important notably over at Joint Base Cape Cod. 21 21 22 for you to have done so for the board's benefit. 22 We contacted those folks. We got it 23 And certainly the prefiled written testimony goes 23 into their local group for distribution, including into more detail about how the site of the proposed the United States Coast Guard and the separate 24

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expansion meets each of those siting criteria for a 1 2 landfill and -- pardon me -- the general criteria. So, with that, Mr. Hearing Officer, 3 those are the two witnesses that the applicant is 4 presenting this evening. We welcome questions from 5 you and from the board for as long as the board 6 wants to go, recognizing, of course, that it's 7 dinnertime and it is getting late. 8 We would reserve the right to

9 10 provide additional testimony. I know in your earlier remarks you mentioned that at our next 11 session on the 16th we would have time for 12 additional testimony; but depending what the nature 13 of the questions is and any information that we 14 receive in the additional materials that will be 15 filed next week, the board may -- I'm sorry, not 16 17 the board -- the applicant may wish to present additional testimony from Mr. Barrett or Mr. Quinn 18 or perhaps additional witnesses we would identify, 19 20 if necessary. 21 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 24

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 3 4

did it. 5

MS. O'BRIEN: So if I --

THE HEARING OFFICER: Go ahead, 6

Michelle. 7

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MS. O'BRIEN: Well, I was just going to say, if I may mention, that in the exhibit to Mr. Barrett's direct testimony, written testimony, is a copy of the communication to Joint Base Cape Cod regarding this particular hearing. It's among the outreach being done to Joint Base Cape Cod and the environmental justice community on the base, but most recently, and more specifically, they were notified of this particular site assessment hearing

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

testimony. 19 20

THE HEARING OFFICER: And I just would add, what was the result of this outreach? What was the feedback from the EJ community? MR. BARRETT: To be honest with you,

I don't think we got a whole lot of feedback. As I

Page 91 Page 89 have a thing called trip generation. I abbreviated had mentioned to you, Mr. Goddard knows a whole lot of the folks over there; so he got the it, calling it trip gen; so I apologize. 2 communications out to the commands. And I don't MR. QUINN: Yes, it was. A number 3 3 4 believe we heard anything from him. 4 of variables were taken into account. Whether it UNIDENTIFIED SPEAKER: They just was the load -- the waste generation, it remains 5 5 the same with 85 percent ash and the remaining distributed it. 6 MR. Barrett: Right, they just 7 15 percent MSW, or whether it goes to a hundred 7 distributed it, but we didn't hear any comment. percent MSW. 8 I guess what you're asking is if we There was also some evaluation done 9 9 had been contacted by any of the residents, and we back in the early stages of analysis, where the 10 10 didn't. facility was looked at as a 1,200-ton-per-day, or a 11 11 thousand-ton-per-day, facility. And there was an 12 THE HEARING OFFICER: Okay. Thank 12 analysis that showed that there was adequate you. 13 13 14 Does the board or its counsel have 14 capacity for traffic at the site. 15 any questions? 15 MR. TORRES: Mr. Quinn, you actually MR. TORRES: Thank you, Mr. Hearing are somewhat clairvoyant. You actually just 16 16 Officer. We do have some between Mr. Murphy and answered Part B of my question as well, which was, 17 17 myself and the members of the board who may have 18 if we switched from the ash model to a strictly MSW 18 individual questions. So, with leave of the model serving regional packers, would the nature 19 19 hearing officer, we'll begin. 20 20 and number of the vehicles coming in increase that, THE HEARING OFFICER: Please do. knowing that you'd bringing in packers, as opposed 21 21 to the long-haul trucks with the ash --22 MR. TORRES: Thank you. And, again, 22 23 for the record, I'm the board's counsel, Steven 23 (Stenographer requests Torres, West Group Law. Can you hear me well? clarification.) 24 24 Page 90 Page 92 (Stenographer requests MR. TORRES: Long-haul trailers. 1 1 2 clarification.) 2 MS. O'BRIEN: So, Mr. Quinn, do you MR. TORRES: I can just speak up a want to address that issue as part of the traffic 3 3 littler louder. Is that better for you? criteria analysis, please? 4 THE STENOGRAPHER: Yes, better. 5 MR. QUINN: I thought I had. 5 MR. TORRES: He did. That's why I Before there was some background noise as well, but 6 6 that's better. said he was somewhat clairvoyant. That was the 7 Part B. MR. TORRES: Okay, yeah. So we'll 8 8 try to have some of the background noise cut, which MS. O'BRIEN: Oh, okay. I didn't 9 10 means I may have to put a sweater on because I 10 know if you needed him to clarify anything. Thank believe that's the ventilating system heating us 11 you. Sorry, I'll be quiet now. 11 MR. TORRES: Excellent. So thank here. I'll just speak a little bit louder. So 12 12 thanks. 13 13 you. So to the ISWM team, whoever can So I want to just clarify with 14 14 respect to the Phase 9 vertical expansion. We can answer this one I'll start with. I understand from 15 15 the modification that the peak volume for -- daily see it in the -- we can see it in the 16 16 volumes will not change. And I would assume that cross-sections. I just want to clarify it for the 17 17 that was factored into the trip generation for 18 18 board's purpose. traffic model; correct? The Phase 9 vertical expansion goes 19 19 20 MR. QUINN: Yes. 20 over just the original cells, and the height is 21 (Stenographer requests 21 then matched in the 7 and 8 phases, which are the clarification.) new cells: correct? 22 22 MR. TORRES: The traffic model. The MR. QUINN: Correct. 23 23 traffic modeling. When we do traffic modeling, we MR. TORRES: And then the follow-up 24 24

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to that is that the Phase 9 -- I think you've made it clear in your testimony -- although it goes over 2 some portion of the earlier phase -- that, in one 3 portion of landfill, that there is a double liner 4 between the newly built expansion area. 5

MR. OUINN: 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. Quinn, as well, has been there for a while.

Is there a reason, whether it's the

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managing running these facilities. We actually -our air permit includes the ability to run five

engines, big ones too, 3516 Caterpillar engines.

4 So we did account for that in our -- it has always 5 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 9 dropped guite a bit recently. And, frankly, to be 10

honest you, the gas quality just wasn't ever there. 11 Nothing bothers us more than to look out there --12

or me, anyway -- to look out there and see that 13 14 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

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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 24

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 vield 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

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- 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 . 6 all ash, we ran as a landfill. We ran at a little

- bit lower rate. We didn't max-out our annual 7
- tonnage. We were running conservatively,
- 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 17 capacity dwindling within the state, I mean, if

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
- 24 don't think that we would have any problem at all.

- currently a vice president at the firm of Tighe &
- Bond, a New England-based engineering consulting
- firm with 12 offices and 430 employees. I have 3
- been retained by the Bourne Board of Health to
- provide technical review and technical assistance
- during this site assignment process. 6

Some of the questions I will be 7

asking are to address technical questions I, as the

technical reviewer, have; others are intended to provide information or clarity for the board of 10

health; and others, finally, are to provide 11

12 additional clarity for the record.

THE HEARING OFFICER: Mr. Murphy --

14 MR. MURPHY: Yes.

THE HEARING OFFICER: -- on the off 15

chance that you will provide -- will be providing 16

17 some narrative information and not just ask questions, I think I would like to swear you. 18

MR. MURPHY: That's fine.

DAVID MURPHY, sworn.

MR. MURPHY: The first question: 21

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

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

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Page 100

- I shouldn't say "I don't think." We wouldn't have any problem at all. 2
 - MR. TORRES: Thank you, Mr. Barrett.
- 4 And that was going to be my last -- you get the clairvoyant award, along with Mr. Quinn. That was
- going to be my last question that had to do with 6
- how your -- some of the remaining limited disposal 7
- capacity in the state; and, therefore, you support 8 9
 - the integrated waste model.

That's all I have. But with your 10 leave, Mr. Hearing Officer, I yield the remainder 11

of my time to our technical consultant, Mr. Murphy. 12 13 MR. MURPHY: Is it okay to proceed,

Mr. Shea? 14

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THE HEARING OFFICER: Yeah. Is that 15

a landfill behind you? 16

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

THE HEARING OFFICER: Okay. 20

MR. MURPHY: Introduction: My name 21 is David Murphy. I'm a Massachusetts registered 22 23

professional civil engineer that has worked in the 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
- 3 the composite layers used, versus single layers;
- what is the purpose of each composite layer; and
- explain what an acceptable flow rate is within the
- lower composite layer. I can repeat those if 7
 - needed.

MR. QUINN: Okay. I --

MS. O'BRIEN: Actually, before he 9 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 14

board of health's determination but, rather, as a 15 determination by the MassDEP in its review of an 16

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.

Page 101 1 For the purpose of the board of health and those that are not familiar with the 2 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, Mr. Hearing Officer, on the objection. I don't 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 17 level of care that ISWM has gone through in 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

MR. MURPHY: Should I -- is there

any response forthcoming on that, or should I move

Mr. Murphy?

2 3 4 7 9 10 11 12 13 14 15 16 17 18 19 20 THE HEARING OFFICER: Thank you, 21 Mr. Torres. I think that's where we're headed. 22 23

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February 2, 2022

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will be fully documented and submitted to DEP for their review and for their approval before the facility can be opened. Again, the design is set by

regulation -- in DEP's solid waste regulations of 310 CMR 19. The design establishes a composite liner consisting of a clay one-foot layer. And

then above that there are geo-synthetic layers that include a granular bentonite matted layer of GCL,

it's called, and that there will then be -- a

60-mil high-density polyethylene vinyl will be on

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

geotextile with a high-density polyethylene

structure that allows water to pass at a rapid rate through it.

And then, above that, again there will be another layer of GCL and, above that, a second 60-mil high-density polyethylene liner. That is the impervious construction of the liner. Above that will be leachate collection pipes and a sand drainage layer of 18-inches. Minimum slopes are 2 percent. Maximum slopes that would be on

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side slopes --

(Stenographer requests 1 2 clarification.)

MR. OUILL: Side slopes. -- which 3

can be 2 1/2 to 3 to 1 going from subgrade elevations up to existing ground. That's the 5

general structure of it.

Again, its performance is required to meet the DEP design and performance

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

The second question: Can you 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? 16 17

MR. OUINN: Yes.

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

> MR. QUINN: No. MR. MURPHY: Four, there's some

MR. QUINN: Hold on. I just want to 3 make sure Michelle gets heard. 4 MS. O'BRIEN: Well, I just wanted to note that the testimony -- maybe this was in 6 Mr. Barrett's response -- but the written testimony 7 does contain a description of -- and obviously I'm 8 going to refer to Mr. Ouinn'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 17 foremost, the liner design will be consistent with 18 DEP-approved design standards and will be 19 detail-reviewed by them and approved by them prior 20 to any construction. 21 During construction we'll have a 22 23 significant level of quality assurance attributes going on throughout the construction period, which 24

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confusion regarding the total tonnage for this
proposed Phase 7, 8, and 9. In the submittal, you
have stated that there's 5.175 million cubic yards.

4 Can you estimate the approximate number of tons

5 associated with this airspace?

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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

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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
 to be exposed.

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.

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odor related and gas-emission-control related. The

2 exterior side slopes of the landfill are

3 constructed a great deal thicker in cover than

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

7 they're there to -- so it doesn't run horizontally

8 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

What does that mean? Basically,

2 when we're collecting leachate -- as you build a

3 landfill, you bring the sides up to try to shed

4 water, you know, clean water out the sides, the

5 intermediate cover. What we had basically was a

6 funnel. And every time it rained, that water

7 funneled down into that valley where the cover

8 material that is susceptible to generating hydrogen

sulfide was.

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

Page 109 Page 111 extended into Phase 2 and into Phase 3, so we had Has the site experienced any odor complaints in the last five years? 2 2 gas going. We took the gas from the Phase 2A/3A MR. BARRETT: No. 3 3 system -- we put in intermediate horizontal 4 MR. MURPHY: On page 14 of 4 Mr. Quinn's 11/22 response he discusses the collectors as an interim measure. They were 5 5 protective system ISWM deploys, and he notes that sacrificial. So, basically, we knew we were going 6 to lose them. It didn't matter. We had odor close to 100 percent of the landfill gas is being 7 issues. We've got to solve that problem. collected and destroyed. Can you discuss the 8 So we just started putting pipe in MassDEP permit limits for the emission of H2S and 9 9 ISWM's compliance record with this permit and collecting gas. We knew they were going to 10 10 fail, but we put them in to cure the problem, condition. 11 11 knowing that we would be able to get up to height MR. BARRETT: Do you want me to take 12 12 and then drill the vertical wells, which are the that one? 13 13 14 permanent solution to the problem. We took that 14 MR. OUINN: Yeah. I don't know. MR. BARRETT: The permit limit, I step. 15 15 believe you're referring to, Mr. Murphy, is the One step further was -- as we were 16 16 covering, we weren't covering fast enough, we outlet -- or, the inlet to the flare, how much 17 17 weren't filling fast enough; so we were able to 18 hydrogen sulfide is allowed into the flare. 18 MR. MURPHY: Yes. locate some plastic sheet cover material, I guess, 19 19 MR. BARRETT: And that limit is if you will. It's not typical of what we would 20 20 use. It wasn't textured. It was 30 mil thick. 21 200 parts per million. 21 DEP looked at it, approved it, and it worked out 22 As you might imagine, in the 22

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so we can finish up. But to answer your question,
     we put in horizontal collectors; we put in
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     additional cover material; we then got the vertical
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     wells in; and we capped it temporarily with a
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     sacrificial plastic cover. That worked fairly
     well. And --
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              MR. QUINN: (Speaking sotto voce.)
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              MR. BARRETT: Good point.
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              I'm surprised the chairman of the
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     board of health isn't pointing out the fact that,
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    as you might imagine, we were under the microscope
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     with those folks a little bit, and, as well, we
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     should have. The public was after us, and I made
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    no mistakes -- I made no excuses for what was going
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     on. We just needed to fix it; they allowed us the
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     time to fix it; and we did.
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              One of the things that the board of
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    health instituted was they asked me, What is the
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MR. MURPHY: Thank you.

And I'm going through this quickly

12 13 14 15 16 17 18 problem? C&D fines. It's cover. Good, you're not 19 taking them anymore. So they have a rule on the 20 books guiding us, or telling us, that you're not 21 allowed to take C&D fines. Fine -- and that's fine 22 23 24

a C&D landfill. So, you know, DEP gave us a little bit of latitude to come up with a system to solve that problem. There were other systems available.

situation in 2008 to 2010 we were quite a bit

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

They were cumbersome; they didn't work as well; and, most importantly, the materials -- the offshoots, or the waste material off of those systems, when put back into the landfill, generated hydrogen sulfide again.

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 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 solve that problem, and he developed a wet scrubber, a wet scrubbing system. It's been used in wastewater treatment facilities for quite a while, and I'm talking -- I don't know much about this end of it -- that end of it, but I know it has

with us.

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famously.

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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 4

put back into the landfill. It won't generate

hydrogen sulfide again because he is reducing the 6

sulfur, he's pulling it out of the gas, and it is

as close to elemental sulfur -- in other words, it 8

won't react -- as you're going to get.

And, you know, I'll never forget 10 that day. It was a tough four or five years for 11 us. He turned that scrubber on, and the effluent 12

turned yellow. For those of you who don't know, 13 yellow is the elemental color of sulfide. So we 14

were very happy. 15

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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. 18 He built it as he went. And we were able to 19

support him. Very successful. He's since sold a 20

bunch more around the country. But that's what we 21

did to solve that problem. 22

Depending on how much material we wanted to put into that system, we could get the Page 115

storm or something of that nature -- but we're nowhere near 200 and don't anticipate we ever will 2

be. 3

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Again, with the current waste

management system that we have, we've proven that

we can handle hydrogen sulfide cleanup with a 6

hundred percent MSW, and now we're just cruising 7

along with ash. 8

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

one.

12 Regarding the box turtle habitat noted in the general siting criterion Number 3, can 13

14 you confirm that there's been no change with the

Natural Heritage and Endangered Species Program, 15

NHSEP, regarding their finding that the proposed 7, 16

8, and 9 phases remain exempt from the need for a 17

Massachusetts Endangered Species Act or an NHSEP 18

review?

20 MR. OUINN: Yes. We just recently got a confirmation on that during the NHSEP review 21

22 theory.

23 MR. MURPHY: Thank you. 24 Next, what are ISWM's existing

Page 114

Page 116

200 parts per million down to zero -- the hydrogen sulfide concentration, the gas, down to zero. So 2

we ran it down very well, and we went ahead and we 3

were able to meet that regulatory requirement. 4

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

8 was a pilot project -- to get it done. So it was 9

very successful, and we were very happy with it. 10

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 14

indicate hydrogen sulfide. We maintain the 15

scrubber once a week. Hydros, the company that 16 actually owns the scrubber, comes over and services 17

it and keeps it ready for action. If we had a high 18

hydrogen sulfide reading any time in the next week, 19 we'd have that thing running in less than two days. 20

So I have in front of me the 21

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hydrogen sulfide readings for, like, the last year 22 and a half. And, you know, we're a little bit over a hundred here and there -- it's usually, after a 24

leachate disposal practices? Can you just go 2 through those.

MR. QUINN: Well, the disposal is to 3 collect it in the storage tanks and haul it offsite 4

to a licensed treatment plant.

to the work that USGS did?

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

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

Page 117 Page 119 lower composite liner system is ever exceeded, can his microphone on; so I think that's where it's you describe the procedures ISWM would take with coming from. 2 MR, YERANSIAN: I suggest Don Utti the DEP to address an exceedence? 3 3 MR. QUINN: Well, first would be to 4 mute his phone. 4 report it if there was an exceedence of the flow MR. UTTI: Hello? 5 MR. OUINN: I think the only 6 rate. Then there would be further monitoring of 6 remaining part of my answer was: Subsequently to it. There would be inspection of the system as 7 best as provided by the existing clean-outs and that, or in concert with that, the board of health for the Town of Bourne connected all of the private access into the secondary system. There would be 9 9 cover applied and, if you can identify areas, to water supply wells in those residences to the 10 10 hopefully isolate any exceedences, and, again, public drinking water supply system in the water 11 11 district, and they did so at the Town's expense. monitor and, again, try to improve any cut-off 12 12 technologies --MR. MURPHY: Thank you. 13 13 (Stenographer requests 14 Next, will the downgradient limits, 14 clarification.) as defined by the USGS, need to be modified once 15 15 Phase 7 and 8 are built, or are the limits fully MR. OUINN: Any technologies we 16 16 inclusive of Phase 7 and 8 already? 17 could use to divert any infiltration into the 17 landfill that would generate additional leachate, MR. QUINN: They are fully inclusive 18 18 of that. The second -- the downgradient -particularly in an area, if we can identify, where 19 19 flow may be getting into the secondary liner. 20 (Stenographer requests 20 MR. MURPHY: Thank you. clarification.) 21 21 Site assignment criterion, Number 6. MR. QUINN: It's fully inclusive of 22 22 We know that the landfill lies over a sole-source the Phase 7 and 8 area, which was done under a 23 23 aquifer, as you have discussed. We also know DEP 24 24 separate analysis using the same particle tracking Page 120 Page 118 regulations allows a landfill to be sited on a model. 1 sole-source aguifer provided that three conditions MR. MURPHY: Thank you. Only four 2 2 more. Hopefully, quick. are met. My question relates to the first and 3 3 second conditions. Can you describe the board of Criterion Number 11, approximately 4 health regulations that were put in place to ensure how many homes with private water supply wells were that the areas downgradient of the landfill could connected to the Bourne water -- municipal water 6 never be developed as a drinking water source? supply, and when were they connected? 7 7 MR. QUINN: Approximately 11, and MR. QUINN: I know the 8 8 that was back in the early 2000s. regulations (Zoom audio distortion) --9 9 (Stenographer requests MR. MURPHY: Thank you. 10 10 clarification.) Regarding criterion --11 11 MR. QUINN: The board of health MS. O'BRIEN: I'm sorry, Mr. Murphy, 12 12 instituted a regulation that prohibits the use of before you go on, I just wanted to point out for 13 13 the board, because I know Mr. Quinn is trying to groundwater for drinking water for potable purposes 14 14 in an area that they identified and that they answer questions without taking a minute to refer 15 15 to the application -- so I just wanted to mention, subsequently (Zoom audio distortion) --16 16 (Stenographer requests for the board's benefit, that Attachment 6 in the 17 17 clarification.) application has water resources correspondence, 18 18 MR. OUINN: Subsequently identified including a letter from the board of health that 19 19 areas that could not use groundwater for 20 references that health regulation that you were 20 drinking -asking about, with the actual quote of Section 5.3 21 21 THE STENOGRAPHER: There's some from the health regulations, just in case anybody 22 22 needs some additional information on the water 23 feedback. 23

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

supply issue.

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site is classified.

MR. MURPHY: Thank you.

Criterion Number 15, can you confirm

that the western perimeter of the proposed site

4 assignment limits for Phase 7 and 8 were modified

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

6 the apartment unit in the campground was

maintained?

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MR. QUINN: Yes. We did a GPS survey. The landfill -- they have a high-grade survey-quality GPS system that reaches to that

survey-quality GPS system that reaches to thatcapacity to determine the edge of the buildings

within an inch. And we provided a 1,001-foot offset from that building.

MR. MURPHY: Thank you.

I want to read a sentence from

16 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

19 response. It says "It should be emphasized that

20 ISWM is developing a cutting-edge process for

21 removal and sequestration of PFAS from the landfill

22 leaching under its own volition and with the

23 knowledge of the MassDEP."

My question is: Can you summarize

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

2 We have, right now, just short of a half a million

3 dollars into that development of that system. It's

4 going into the final stages of developing a report

about building that facility.

And we're going to continue next

7 summer. We have some other promising technologies

8 that we're looking at, with the blessing of the

Town. We've asked the Town, and they said, Goahead. Go do it.

ahead. Go do it.Leachate, as it is with most

landfills, is a difficult subject to handle,

13 especially in today's regulatory environment, where

14 technology continues to allow a lessening of -- or,

15 better technology to see what's in the water. And

that's a good thing. I'm not complaining about it.

17 I'm just saying that's our reality. And we're kind

18 of out on the cutting edge, if you will, of

19 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

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

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

5 dollars.

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More importantly, let me first express the mindset that goes into that. As we did

8 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

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.

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,

20 and I'm very proud of that. But we will continue

21 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 Consultants. I can't remember the acronym. I'm

getting old. And they've done a fantastic job for

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

4 nationally renowned for his leachate and PFAS

5 research.

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

9 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

Page 125 Page 127 1 MR. QUINN: The GW-1 standard, by 1 MR. OUINN: The 17.34 acres was established by using the hundred-foot offset from regulation -- the solid waste regulation, must be 2 the agricultural soils designations, as I had shown evaluated for any landfill groundwater sampling by 3 3 the board of health's action of precluding the 4 on that slide with the blue, yellow, and green, and 4 possibility of downgradient water supplies by the the property line, a hundred-foot offset on the 5 east side. That brought it down to the 6 contaminated landfills -- the two unlined landfills -- I don't want to characterize them as 7 17.34 acres. 7 contaminated but the two unlined landfills MR. CHAIRMAN: Thank you. 8 8 I believe Mr. Torres asked about the 9 downgradient, as well as the non-potential drinking 9 water source areas the DEP have identified, footprint of Phase 9. 10 10 categorize the site as GW-3 in reality. I would like a little bit more 11 11 clarity on a question that he asked about. He Should there have to be a site 12 12 asked about the recycling and handling facility. assessment outside of the solid waste program, such 13 13 14 as the NCP, that would be the classification for 14 The residential recycling and handling facility is the assessment when evaluating groundwater quality. located in the area where Phase 7 and Phase 8 will 15 15 go. Are you telling us that you will not be MR. MURPHY: Thank you. That 16 16 reducing that area until you have another area put 17 concludes my questions. 17 Mr. Shea? there without -- will you put in 7 and 8 prior to 18 18 THE HEARING OFFICER: Yes. moving that equipment -- that area to another site, 19 19 Steve, any follow-up questions? or part of the site? 20 20 MR. TORRES: No, not at this time, MR. QUINN: No. 21 21 MR. CHAIRMAN: Thank you. 22 22 your Honor. THE HEARING OFFICER: "Your Honor." 23 This is very important to the 23 24 Thank you. 24 community. That area prevents illegal dumping out Page 126 Page 128 Do any board members want to pose at the high-tension lines in the town forest. 1 any questions? We've seen this over time when we had emergency 2 shutdowns in that area due to COVID. All of a MR, CHAIRMAN: John, I would like to 3 poll each member of the board individually, sudden that illegal dumping increases. I want to 4 starting with Don Utti, and ask him if he has any make sure that we don't lose that asset. 5 questions this evening. MR. BARRETT: Mr. Chair --6 6 MR. UTTI: No, I don't. 7 MR. CHAIRMAN: Yes. 7 MR. BARRETT: -- I wouldn't normally MR. CHAIRMAN: Dusty Mieier? 8 8 interrupt, but, you know, as a representative of MR. MEIER: No. I'm quite satisfied 9 with everything I've read and how they backed up 10 the Town -- you know, Mr. Quinn is working for us, 10 the information. Thank you. and he gave a fantastic answer, but as a 11 11 MR. CHAIRMAN: Barbara Princiotta? representative of the Town, we know -- all of us 12 12 here know how important that facility is to our 13 MS. PRINCIOTTA: I don't have any 13 operation and to the operation of the town. So, questions tonight either, Stanley. Thank you. 14 14 rest assured, we wouldn't allow that to happen. MR. CHAIRMAN: Well, I've got a 15 15 MR. CHAIRMAN: Thank you. sheetful. A couple of the questions I was going to 16 16 ask have been asked by Mr. Torres and Mr. Murphy. As it was brought forward, there was 17 17 One question I have is: The 25-acre 18 a comment made that there were changes in the plan 18 as late as December 9th of 2021. Could you please site -- let me pull it up here -- the 25-acre site 19 19 has a landfill expansion of 17.34 acres of new 20 explain what changes were done to that version of 20 landfill cells. The delta of that, is that all of 21 the plan from the original versions that we started 21 the hundred-foot buffer, or is there additional with close to a year ago. 22 22 23 distances that -- or, areas that are not being 23 MR. OUINN: We made a minor change to that plan that determined the 17.34 acres just site-assigned for landfilling? 24

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

6 on the plans.

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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 21 guess, that there was some pushback on. And my 22 expectation of what the question was that Dave 23

24 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
- indicates how flexible the clay is. That bottom 3
- 4 foot of clay performs two jobs: It supports the
- existing layers above it. It provides flexibility
- so that those lavers -- if there were a shift,
- 7 whatever that may be -- we do a geotechnical
- analysis, we do earthquake analysis on all these 8 9

cells, as you know -- but it will absorb that.

On top of that goes the GCL, a 10 geo-synthetic clay liner. That will technically 11 replace a foot of clay. What it is -- I guess it's 12

the purest form of clay. It's made out of 13

14 bentonite. Bentonite's the purest form of clay.

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

followed the nail, it would get into that very 17

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

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

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

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

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

23 through, that bentonite seals it right up. It's

24 very interesting. If you google it, you can see

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- constitutes several different items. I'm not 1
- looking, and the board's not looking, for how these 2
- 3 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
- always had a simple way of explaining, We put this 7
- down here to prevent this; we put this down to do 8
- that; this is to cushion this. I believe that's
- 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

13 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.

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It also has a plasticity index,

it. Pretty interesting stuff.

And to continue on with the

secondary, on top of that goes 60-mil HTPD --3

- that's the manmade portion -- 60-mil plastic,
- textured, that lavs down. It, too, is flexible.
- It's very resilient to tensile strength -- or,
 - tensile shearing.

A whole lot of quality assurance

goes into building those things. If you ever get a

chance, when we're building a liner, come on up and 10 take a look. There's trailers up there with

testing equipment in them. They cut out, what they 12

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

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

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

quality assurance-intensive. 16

So that -- on top of that goes what

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

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

through it. 24

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1 Believe it or not, that material is 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. It's about probably an inch, Ray, an inch-and-a-half thick, maybe? MR. QUINN: 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.

MR. BARRETT: Not even that.

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 20 where -- Dave made the point what happens if you 21 have a problem. And we don't let it go that long. 22 If we see a blip in a secondary, we're on it. 23 24 99 percent of the time in my 37 years, what you see

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

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?

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is you have metal mechanical parts working in an extremely harsh environment, and you're going to 2 get mechanical failure. 3

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.

23 flexible. It's resilient to staying on the slopes. That's tested as well. And you have to build your 24

You'll also notice that it's

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

So, to that end, we're going to 3 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 ves.

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

vou at the conclusion now for tonight? --MS. O'BRIEN: Yes. Yeah.

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

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
anticipating in terms of presenting prefiled
testimony, whether they are going to be using some

be considered or presented, I understand the board might be receptive to another continued hearing for

that purpose.

Everyone needs to understand, the board needs to issue a written decision by the 21st of March. I can't adjust that schedule. The parties can't adjust that schedule by consent.

8 It's a schedule that's established by statute and
9 by regulation. So it's important that we do
10 everything we can to get the information in front

of the board in a timely manner for the continued hearing on the 16th.

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

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experts, but I think they have adequate time, given
their involvement and the availability of the
prefiled written testimony of ISWM and the

prefiled written testimony of ISWM and thequestions asked by Mr. Murphy, to know what

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 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 this day and age -- and also to be served on the other parties.

So I would request that everyone 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 to the board by mail and email. I note that the CLF submission was made by email only. But that was actually contained in the notice of the hearing that said it could be -- that it could be sent by either. But I just want some guidance so everybody knows what's expected.

THE HEARING OFFICER: Well, I believe that, under the regulations, I have the ability to waive the standard. You know, we're dealing with, unfortunately, for all of us, a very compressed time frame to submit everything and have the board have adequate time to deliberate and issue a decision.

So I'm going to rule that we should

Page 141 Page 143 make all submissions by email. If you want to amount of time to submit materials in time for the submit hard copies by U.S. Mail as well, that's not board to review on the 16th. So I just ask 2 a problem. But I think the important thing is to everyone to make a real solid effort on this so 3 4 get Dave's review report and the ten citizen 4 that scheduling considerations don't cloud the testimony in in a timely way so that it gets into 5 picture. the system for consideration on February 16th. So MS. GIANELLY: Okay. Thank you. 6 I am -- I am going to allow -- in fact, require --7 MS. O'BRIEN: Yeah. I mean, I would 7 submission by email to accomplish those goals. just note at 7:32 p.m. that, in my humble opinion, 8 Thank you for bringing that up. it's pretty unlikely that we would conclude all of 9 It's not a departure from what we have been doing the testimony and all of the evidence on the 16th. 10 10 for the past two weeks. But that's just my guess. 11 11 MS. O'BRIEN: By no means. We had MR. TORRES: Two items, if I may, 12 12 communicated, and Attorney Torres and I had agreed, 13 first. 13 14 that we would effect service by -- on each other, 14 THE HEARING OFFICER: We can't hear 15 basically, by electronic email -- and you as well. 15 you, Steve. But now that we have another party in the MR. TORRES: Two items. Thank you, 16 16 proceedings, again, I just want to make sure that Mr. Hearing Officer. Two items, if I may. 17 17 everyone is clear on what the expectation is. 18 Yes, the regulations, as the hearing 18 officer has noted, contemplate the opportunity for And Ms. Gianelly has her hand up. 19 19 MS. GIANELLY: Yes. some type of, you know, rebuttal to the written 20 20 Thank you, Mr. Hearing Officer, for submission in advance of the 16th, and he's made 21 21 allowing the email submission. We anticipate 22 that accommodation. 22 23 asking some experts to prepare written testimony. 23 It's very important to understand Right now we're not anticipating that each that the citizens group has been granted party

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individual citizen will come forward with a
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     presentation. One -- and as you pointed out, the
     overview of our presentations is contained in the
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     comment letter that CLF had delivered to DEP.
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              One concern about not having the
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     engineer's -- reviewing engineer's report in
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     advance is, you know, it may raise an issue that an
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    expert might want to address. And under the
 8
    original prehearing order, we were to submit the
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    presentations on the 16th, and I would just like to
    ask that, if necessary, we would be able to
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    supplement, soon after reviewing the engineer's
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    report, with anything additional that an expert
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    might find relevant and that we would deliver that
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    after -- prior to the 16th/after the 9th by email.
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              THE HEARING OFFICER: Ms. O'Brien?
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              MS. O'BRIEN: That seems reasonable.
              MS. GIANELLY: Thank you.
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              MS. O'BRIEN: We also may be
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    submitting, as you said, rebuttal testimony or
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    supplemental testimony; so it seems fair.
              THE HEARING OFFICER: You're
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    essentially in the same boat as the ten citizens in
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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

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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 3 needs to -- or the applicant's engineer -- needs to 4 supplement or provide rebuttal as a result of the 5 experts that will be retained by the ten citizen 6

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

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public hearing. 1

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group.

Mr. Chair, how do you feel about 2 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.

flexibility there, but it does not give us proper 21 time if you give everyone else until the 15th. It 22 23 means I take a day off from work to do that. I am not compensated in any way, and neither are any of 24

So there's a little bit 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, 5 based on our prior discussions and the schedule that was put out in the prehearing report order, 7 that we would have cross-examination on the 16th, 8 just like we did tonight with the questions and the 10 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 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

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Page 149 completed by the close of day on Friday. 1 And I think -- you know, I'm not 2 going to decide this for you. I know what you're 3 saying about using your weekends, as I do, but you 4 certainly have a wealth of information to pour 5 through, and you will have the review engineer's report and the expert input from the ten citizens 7 to pour through. 8 So, you know, if there's going to 9 be -- I would suggest, respectfully, that, if there 10 is additional written materials to be submitted, 11 12

they be submitted by close of business on the 14th. MR. CHAIRMAN: I'll work with that.

14 Are there any other board members 15 that have an issue with allowing that?

Barbara? Please unmute yourself. MS. PRINCIOTTA: I don't have any issue with that. Again, I agree with you, Stanley.

There's a lot of information to digest. I, too, 19

20 like to spend the weekends working on it. Like you 21 said, I appreciate what Mr. Shea is saying, that

22 they might not be able to get it done, but -- who

23 knows, most people can meet deadlines -- but. anyway, if it's the 14th, it's the 14th. I can 24

Information being submitted on a Monday to an

unmanned email inbox is an additional burden to the

health department staff. That information will not

be immediately distributed. We are agents and

inspectors that are short of staff during the surge

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

into consideration. It's very time-consuming

putting together these files, distributing them,

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

11 consideration as well.

> 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

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distortion.) 1

THE STENOGRAPHER: Can't hear you.

THE HEARING OFFICER: We can't hear

you, Steve.

5 MR. TORRES: So there would be a

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

There's going to be the opportunity for

cross-examination at that time on the materials and

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

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

15 vitae with that purported expert so that the board

can make a determination as to -- the hearing 16 17

officer, you know, while --

(Stenographer requests

clarification.) 19

MR. TORRES: Okay. So what I'm 20 21 suggesting is that they -- that the -- as an

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 24

work with that. 1

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2 MR. CHAIRMAN: Don Utti?

3 MR. UTTI: I'm okay.

MR. CHAIRMAN: Dusty Meier? 4 MR. MEIER: I have a little concern, 5

Stanley. These -- everyone involved in this has 6

had a very long time to review, and I imagine 7 they've written up their lists and everything else; 8

so it's hard for me to believe that, with 9

10 electronic mailing, they can't get it done

beforehand, to be honest with you. Thank you. 11

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

MS. GUARINO: Yes. Thank you.

I do appreciate the sentiment of 15 having some additional time up until the 14th; 16

however, I do think it would be best if we follow 17

18 the board of health's typical procedures, which is posted on our web page, where the board of health

19 20 requires information to be submitted a week prior

21 to that meeting date.

So that is what we have done

historically for the board of health. It works 23 24 best for the board, as well as office staff.

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

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

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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.

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

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

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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

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

that, to the extent that that's done, that you allow this, Mr. Hearing Officer; then, again, as 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

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	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
15	its deliberations.	15	to continue the public hearing to February 16th,
16	I think the other point that was	16	2022, at 4:00 p.m., and to adjourn.
17	raised I mean, although the chairman liked the	17	MR. CHAIRMAN: No, not to adjourn.
18	idea of additional rebuttal written rebuttal on	18	We're just continuing.
19	the 11th, if that was submitted on close of	19	MS. PRINCIOTTA: So I will make a
20	business on the 11th, that doesn't do anything for	20	motion to continue the public hearing to
21	the board's staff in terms of, you know, work	21	February 16, 2022, at 4:00 p.m.
22	requirements and posting the materials and	22	MR. CHAIRMAN: Via Zoom.
23	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?
	out for any without		THE OIL MAN TO THE OUT OF SOURCE
	Page 158		Page 160
	So I'm going to hoged upon this		MR. MEIER: Second.
1	So I'm going to based upon this	1	WIK. WIETEK, Second.
2		1 2	MD CHAIDMAN: I have a motion by
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.
3	their required materials in on the 9th; we'll do additional direct live testimony, if necessary; and	3 4	Barbara Princiotta, a second by William Meier. Roll call vote. Don Utti?
3 4 5	their required materials in on the 9th; we'll do additional direct live testimony, if necessary; and during the course of the hearing, or at the end of	3 4 5	Barbara Princiotta, a second by William Meier. Roll call vote. Don Utti? MR. UTTI: Yes.
3 4 5 6	their required materials in on the 9th; we'll do additional direct live testimony, if necessary; and during the course of the hearing, or at the end of the hearing, evaluate whether there's a need for	3 4 5 6	Barbara Princiotta, a second by William Meier. Roll call vote. Don Utti? MR. UTTI: Yes. MR. CHAIRMAN: Barbara Princiotta?
3 4 5 6 7	their required materials in on the 9th; we'll do additional direct live testimony, if necessary; and during the course of the hearing, or at the end of the hearing, evaluate whether there's a need for additional written information that would require	3 4 5 6 7	Barbara Princiotta, a second by William Meier. Roll call vote. Don Utti? MR. UTTI: Yes. MR. CHAIRMAN: Barbara Princiotta? MS. PRINCIOTTA: Yes.
3 4 5 6 7 8	their required materials in on the 9th; we'll do additional direct live testimony, if necessary; and during the course of the hearing, or at the end of the hearing, evaluate whether there's a need for additional written information that would require yet another continued hearing.	3 4 5 6 7 8	Barbara Princiotta, a second by William Meier. Roll call vote. Don Utti? MR. UTTI: Yes. MR. CHAIRMAN: Barbara Princiotta? MS. PRINCIOTTA: Yes. MR. CHAIRMAN: William Meier?
3 4 5 6 7 8	their required materials in on the 9th; we'll do additional direct live testimony, if necessary; and during the course of the hearing, or at the end of the hearing, evaluate whether there's a need for additional written information that would require yet another continued hearing. What do you say, Terri? I'm going	3 4 5 6 7 8 9	Barbara Princiotta, a second by William Meier. Roll call vote. Don Utti? MR. UTTI: Yes. MR. CHAIRMAN: Barbara Princiotta? MS. PRINCIOTTA: Yes. MR. CHAIRMAN: William Meier? MR. MEIER: Yes.
3 4 5 6 7 8 9	their required materials in on the 9th; we'll do additional direct live testimony, if necessary; and during the course of the hearing, or at the end of the hearing, evaluate whether there's a need for additional written information that would require yet another continued hearing. What do you say, Terri? I'm going to give you the vote here. What do you think?	3 4 5 6 7 8 9	Barbara Princiotta, a second by William Meier. Roll call vote. Don Utti? MR. UTTI: Yes. MR. CHAIRMAN: Barbara Princiotta? MS. PRINCIOTTA: Yes. MR. CHAIRMAN: William Meier? MR. MEIER: Yes. MR. CHAIRMAN: Stanley Andrews, yes.
3 4 5 6 7 8 9 10	their required materials in on the 9th; we'll do additional direct live testimony, if necessary; and during the course of the hearing, or at the end of the hearing, evaluate whether there's a need for additional written information that would require 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.	3 4 5 6 7 8 9 10	Barbara Princiotta, a second by William Meier. Roll call vote. Don Utti? MR. UTTI: Yes. MR. CHAIRMAN: Barbara Princiotta? MS. PRINCIOTTA: Yes. MR. CHAIRMAN: William Meier? MR. MEIER: Yes. MR. CHAIRMAN: Stanley Andrews, yes. We are all set. We are continued to
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2	COMMONWEALTH OF MASSACHUSETTS
3	BARNSTABLE, ss.
4	I, Janet L. Wynne, CSR No. 131793,
5	Registered Professional Reporter, a Notary Public
6	in and for the Commonwealth of Massachusetts, do
7	hereby certify that the foregoing transcript, pages
8	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
12	marriage and that I am in no way interested in the
13	outcome of this matter.
14	IN WITNESS WHEREOF, I have hereunto set
15	my hand this 15th day of February, 2022.
16	Janet L. Wynne
17	Jenet L. Wynne, Notary Public
18	My Commission Expires: February 15, 2024
19	· · · · · · · · · · · · · · · · · · ·
20	
21	THE FOREGOING CERTIFICATION OF THIS TRANSCRIPT DOES NOT APPLY TO ANY REPRODUCTION AND/OR DISTRIBUTION
22	OF THE SAME BY ANY MEANS UNLESS UNDER THE DIRECT CONTROL AND/OR SUPERVISION OF THE CERTIFYING COURT
23	REPORTER.
24	

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