



Town of Brewster Board of Health

2198 Main St., Brewster, MA 02631

brhealth@brewster-ma.gov

(508) 896-3701

BOARD OF HEALTH MEETING AGENDA

2198 Main Street

June 7, 2023 at 6:30PM

Board of Health

Penny Holeman

Kimberley Crocker
Pearson

David Bennett

John Keith

Abigail Archer

Health Director

Amy von Hone

Assistant Health Director

Sherrie McCullough

Senior Department Assistant

Tammi Mason

This meeting will be conducted in person at the date, time and location identified above. This means that at least a quorum of the members of the public body will attend the meeting in person and members of the public are welcome to attend in person as well. As a courtesy only, access to the meeting is also being provided via remote means in accordance with applicable law. Please note that while an option for remote attendance and/or participation is being provided as a courtesy to the public, the meeting/hearing will not be suspended or terminated if technological problems interrupt the virtual broadcast or affect remote attendance or participation, unless otherwise required by law. Members of the public with particular interest in any specific item on this agenda, which includes an applicant and its representatives, should make plans for in-person vs. virtual attendance accordingly.

Members of the public who wish to access the meeting may do so in the following manner:

Phone: Call (301)715-8592 or (312)626-6799. Webinar ID: 820 4394 4509 Passcode: 979174

To request to speak: Press *9 and wait to be recognized.

Zoom Webinar: <https://us02Web.zoom.us/j/82043944509?pwd=MytpM2kvUExKbU1RS0hmM01Zb3dQZz09>

Passcode: 979174

To request to speak: Tap Zoom "Raise Hand", then wait to be recognized.

When required by law or allowed by the Chair, persons wishing to provide public comment or otherwise participate in the meeting, may do so by accessing the meeting remotely, as noted above. Additionally, the meeting will be broadcast live, in real time, via **Live broadcast** (Brewster Government TV Channel 18), **Livestream** (livestream.brewster-ma.gov) or **Video recording** (tv.brewster-ma.gov)

1. Call to Order
2. Declaration of a Quorum
3. Recording Statement
4. Chairman's announcements
5. Citizen's forum: Members of the public may address the Board of Health on matters not on the meeting agenda for a maximum 3-5 minutes at the Chair's discretion. Under Open Meeting Law, the Board of Health is unable to reply but may add items presented to a future agenda
6. Re-organization of Board of Health
7. Appoint Liaisons for: Recycling Commission; Water Quality Review Committee, Water Quality Task Force; Opioid Funding and Council on Aging
8. Consent Agenda:
 - 110 Seaway Road – Septic Depth Variance
9. Opioid Funding discussion
10. Discussion and possible vote on Pressure Dose Educational Letter
11. Review & approve minutes from 4/5/23, 4/19/23 & 5/3/23 meetings
12. Liaison Reports
13. Matters not reasonably anticipated by the Chair
14. Items for next agenda
15. Next meeting: June 21, 2023
16. Informational items:
 - a. Thank you card from Annette
 - b. Brewster's Consumer Confidence Report Certification (Brewster Water Dept.)
 - c. Monthly report for Pleasant Ba Health & Living Center
 - d. Monthly report for Ocean Edge
 - e. Dispatch newsletter
 - f. Dispatch newsletter
 - f. Inspection report for White Rock Commons
 - g. Brewster Ponds Coalition Pond Summit 2023
 - h. MA Beach Testing Results: Annual Report 2022
 - i. DEP-Monitoring Waiver Determination for Brewster Water Department
17. Adjournment

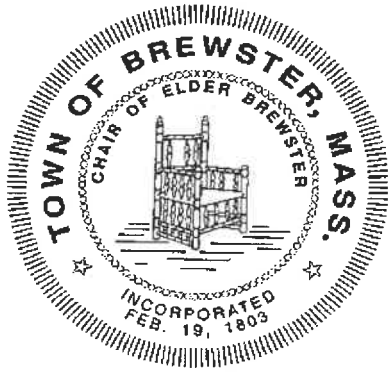
Date Posted:

6/1/23

Date Revised:

Received by Town Clerk:

BREWSTER TOWN CLERK
23 JUN 7 2:30PM



Town of Brewster

2198 MAIN STREET
BREWSTER, MASSACHUSETTS 02631-1898

PHONE: 508.896.3701 EXT. 1120

FAX: 508.896.4538

brhealth@brewster-ma.gov

WWW.BREWSTER-MA.GOV

Health Department

Amy L. von Hone, R.S., C.H.O.
Director

Sherrie McCullough, R.S.
Assistant Director

Tammi Mason
Senior Department Assistant

Memo To: All Department Heads, Committees, Commissions and Boards

Memo From: Amy von Hone, R.S., C.H.O.
Health Director

Date: July 12, 2022

Subject: Reorganization of the Board of Health

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On July 6, 2022, the Board of Health reorganized as follows:

OFFICERS: Annette Graczewski, MT (ASCP) - Chairman Term expires: 2023
Kimberley Crocker Pearson, MD - Vice Chairman Term expires: 2024

MEMBERS: Penny Holeman, MPH, MA, MS Term expires: 2025
David Bennett Term expires: 2025

COMMITTEES

Kimberley Crocker Pearson, MD Water Quality Review Committee
Annette Graczewski, MT (ASCP) Recycling Commission Liaison

BOH Meeting 5/17/23 Discussion: Committee Appointments for 2023-2024

Water Quality Review Committee
Recycling Committee
Water Quality Task Force
Opioid Funding Discussion Group
Council on Aging (Discuss formal position to be established?)



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Director

Sherrie McCullough, R.S.
Assistant Director

Tammi Mason
Senior Department Assistant

Notice of Board of Health Variance Approval/Deed Restriction

May 22, 2023

Wayne K. & Joanne B. Woodward – Applicants
6 Sunny Valley Lane
New Milford, CT 06776

RE: 110 Seaway Road, Brewster, MA 02631
Assessors' Map: 90 Parcel: 9
LC Certificate: 207569
LC Plan: 12014-B (Sheet 2) Lot
Owner of Record: Wayne K. & Joanne B. Woodward

Dear Mr. & Mrs. Woodward:

On May 22, 2023, the Brewster Health Department reviewed and approved the following variance for the septic system upgrade at the above referenced address per engineered plans by Ryder and Wilcox Inc./Andrew Grover, R.S. dated April 19, 2023.

Title 5:

310 CMR 15.221(7) Maximum Cover

- a. Variance request to allow Soil Absorption System to be installed 4.5' below finished grade.

Town of Brewster: None

In granting the above variance, the Health Department imposes the following Order of Conditions:

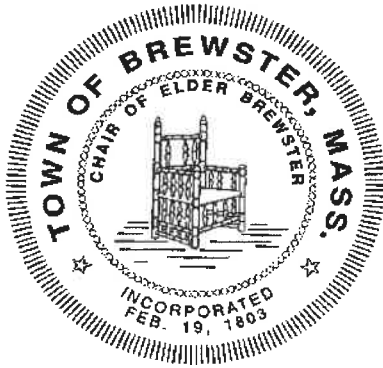
1. Any additional flow to the existing property will need further review by the Board of Health.
2. **Prior to issuance of the Certificate of Compliance, this Variance Approval Letter must be properly recorded at the Barnstable County Registry of Deeds and a recorded copy of same shall be furnished to the Brewster Health Department as proof of the recording.**
3. **Variations shall expire within one (1) year of the date of this approval.**

Please feel free to contact me if you have any comments or questions on the above. I can be reached at the Health Department, 508-896-3701, ext. 1120.

Sincerely,

Sherrie McCullough, R.S.
Assistant Health Director

cc: **Ryder & Wilcox, Inc. 3 Giddah Hill Road, PO Box 439, SO. Orleans, MA 02662-0439**
File



Town of Brewster

2198 MAIN STREET
BREWSTER, MASSACHUSETTS 02631-1898

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Health Department

Amy L. von Hone, R.S., C.H.O.
Director

Sherrie McCullough, R.S.
Assistant Director

Tammi Mason
Senior Department Assistant

AGENDA ACTION ITEM FORM

BOH Variance Agenda Item

In-House Local Upgrade Approval

Other:

Board of Health Meeting Date: June 7, 2023, Consent Agenda

Project Location: 110 Seaway Road **Assessors' Map & Parcel:** 90/9

Owner's Name & Address: Wayne K. & Joanne B. Woodward
6 Sunny Valley Lane
New Milford, CT 06776

Applicant: Wayne K. & Joanne B. Woodward, 6 Sunny Valley Lane, New Milford, CT 06776

Date Requested: April 19, 2023

Title 5 Variance Request: Yes No

Board of Health Variance Request: Yes No

Other: Yes No

1. Property lies outside Zone II and the District of Critical Planning (DCPC)
2. Property lies outside an Environmentally Sensitive Area (ESA)
3. Municipal Water
4. Upgrade of existing Title 5 system

Assistant Health Director's Comments: Approve with following comments and conditions

1. The existing property consists of an existing three-bedroom dwelling, serviced by municipal water and a Title 5 septic system installed in 1990, consisting of a 1000-gallon Septic Tank, a D-box, and one (1) 6' X 6' Leach Pit with one foot of stone. The applicant proposes to upgrade the system to a Maximum Feasible Compliant Title 5 septic system. The proposed septic system will consist of a new 1500-gallon H-20 Septic Tank, a new H-20 Distribution Box, and four (4) 500-gallon H-20 Leach Chambers. The system will be vented. Total daily flow provided will be 330 gallons per day.

2. The homeowners are proposing an addition to the existing dwelling which would include a living room, mudroom, and a bathroom. No new bedrooms are proposed.
3. Due to the limited overall size of the parcel (5,824 SF) the Soil Absorption System will be greater than 3' below the final grade.
4. The following variance is requested:
Title 5:
 - a. 310 CMR 15.221(7) (Maximum Cover); The proposed Soil Absorption System to be installed will be 4.5' below grade where 3' is allowed. A 1.5' variance is requested.

Town of Brewster:
none

5. Approval with the following conditions:
 - a. Approve the septic variance as requested above with the following conditions:
 - i. **Any future additional flow to the commercial structure will need further BOH review. A copy of the BOH Approval Letter must be recorded at the Barnstable County Registry of Deeds prior to issuance of the Certificate of Compliance upon completion of the septic system installation. A copy of the recorded letter to be placed on file at the BOH.**
 - ii. Variance will expire one (1) year from the date of the BOH Approval.

Ryder & Wilcox

SURVEYING · ENGINEERING
HOME PLANNING & DESIGN

3 GIDDIAH HILL ROAD · P.O. BOX 439
SO. ORLEANS, MASSACHUSETTS 02662-0439
TEL: 508.255.8312 FAX: 508.240.2306
EMAIL: info@ryder-wilcox.com

April 19, 2023

Amy von Hone
Health Director
2198 Main Street
Brewster, MA 02631

Re: 110 Seaway Road (Assessor's Map 90, Parcel 9)

Dear Mrs. von Hone,

On behalf of our clients, Wayne and Joanne Woodard, I would like to request for you to, on behalf of the Board, consider a variance from 310 CMR 15.00 The State Environmental Code Title 5. This variance is being requested in order to allow the installation of a new sewage disposal system ("SDS") on the property.

The property is a 0.13 Acre +/- lot with an existing three-bedroom dwelling, deck, and shed. The existing septic system, installed in 1990, consists of a 1,000-gallon septic tank, distribution box, and leaching pit. The dwelling is served by municipal water.

The homeowners are proposing an addition to the existing dwelling which would include a living room, mudroom, and bathroom. No new bedrooms are proposed.

Due to the limited overall size of the parcel, and despite the removal of the existing deck and installing a new Title 5 septic system, achieving full compliance with Title 5 regulations is not feasible. The configuration selected for the proposed SDS requires the least possible relief. The proposed SDS, as shown on the attached plan titled "Proposed On-Site Sewage Treatment and Disposal System", complies with Title 5 and all Board of Health Regulations, with the following exception:

- The proposed soil absorption system shall be 4.5' below grade where 3' is allowed (1.5' variance from 310 CMR 15.221 (7)).

I have included one (1) copy of the Application for In-House Variances, three (3) copies of the Site Plan, one (1) copy of the existing and proposed floor plans, a list of abutters, an abutters' notification form, and a check for \$75.00. Please feel free to contact this office if you require any additional information.

Sincerely,

Ryder & Wilcox, Inc.



Andrew P. Grover, R.S.

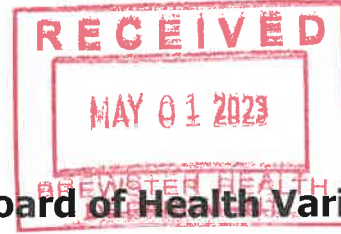
cc: Woodard
Job #4429



V-11

TOWN OF BREWSTER
2198 MAIN STREET
BREWSTER, MA 02631
PHONE: (508) 896-3701 EXT 1120
FAX: (508) 896-4538
BRHEALTH@BREWSTER-MA.GOV
WWW.BREWSTER-MA.GOV

OFFICE OF
HEALTH DEPARTMENT



Received: 5/1/23 Paid: CK# 211618
Abutter Deadline: 5/8/23

Application for Board of Health Variances

[X] In-House Local Upgrade Approval [] Public Hearing

Date: April 19, 2023

SUBJECT PROPERTY ADDRESS: 110 Seaway Road

Map: 90 Parcel: 9 Book: Page: LC Certificate: 207569
LC Plan: 12014-B (Sheet 2) Lot: 11

Name of Applicant: Wayne K. and Joanne B. Woodard

Mailing Address: 6 Sunny Valley Lane, New Milford, CT 06776

Telephone #: (203)770-0206 Email: joannewoodard@charter.net

Owner(s) of Record : Same as Applicant

Mailing Address: Same as Applicant

Design Engineer/Sanitarian: Andrew Grover Firm/Company Name: Ryder and Wilcox, Inc.

Mailing Address: PO Box 439, Orleans, MA 02662

Telephone #: (508)255-8312 Email address: agrover@ryder-wilcox.com

Signature: [Handwritten Signature]
Applicant or Engineer

Form with checkboxes for New Construction, Voluntary Upgrade, Addition/Alteration, Failed system, Real Estate Transfer. Includes fields for design flow, total lot size, and conservation commission approval.

List of all Variances from State and Local codes (add sheets if needed)

Table with 2 columns: TITLE 5, Sec. #: and Description of Variance(s). Row 1: 310 CMR 15.221(7) Proposed Soil Absorption System shall be 4.5' below grade where 3' is allowed, a 1.5' variance is requested.

Table with 2 columns: Brewster Reg. #: and Description of Variance(s). Empty rows for additional variances.

Approved by: Health Department Date:

BREWSTER IN-HOUSE SEPTIC LOCAL UPGRADE APPROVAL NOTICE:

Date: April 19, 2023

Re: 110 Seaway Road Map: 90 Lot: 11
 Subject Address

Dear Abutter:

Please be advised that an application for septic local upgrade approvals from the regulations of the Massachusetts Department of Environmental Protection, Title 5 and/or the Town of Brewster Regulations for Subsurface Disposal of Sewage, has been submitted to the Brewster Health Department for approval. The following variances are requested:

List of all variances from State and Town Codes

Title 5, Sec #	Description of Variance(s)
310 CMR 15.221(7)	Proposed Soil Absorption System shall be 4.5' below grade where 3' is allowed, a 1.5' variance is requested.

Brewster Reg. #	Description of Variance(s)

The application and plans are available for review and comment at the Brewster Health Department, Brewster Town Offices, 2198 Main Street Brewster, Monday through Friday (excluding holidays) from 8:30 a.m. to 4:00 p.m.

Sincerely,

Ryder & Wilcox, Inc.

Applicant/Representative

CC: Brewster Health Department

N O T
A N
O F F I C I A L
C O P Y

N O T
A N
O F F I C I A L
C O P Y

AFFECTED PREMISES

110 Sea Way
Brewster, MA

N O T
A N
O F F I C I A L
C O P Y

N O T
A N
O F F I C I A L
C O P Y

QUITCLAIM DEED

I, David H. Paye, being unmarried, of Hatfield, Massachusetts,

in consideration of One Dollar (\$1.00),

grant to Wayne K. Woodard and Joanne B. Woodard, husband and wife as tenants by the entirety, both of 6 Sunny Valley Lane, New Milford, CT 06776,

with QUITCLAIM COVENANTS,

The land in with the buildings thereon situated in Brewster, Barnstable County, Massachusetts described as **LOT 11 on PLAN 12014-B (SHEET 2)**.

So much of said land as is included within the limits of the Ways shown on a plan drawn by L. A. Crowell, C.E., dated April 1925 duly recorded in Plan Book 15 Page 83 is subject to the rights of all persons lawfully entitled thereto in and over the same.

There is appurtenant to said land the right to use the whole of the streets and ways shown on plan 12014-B to and from the State Highway and to and from the beach in common with all others lawfully entitled thereto; also the right to use the beach and parking area in common with all others entitled thereto shown on plan 12014-C.

Said land is subject to the rights granted in an easement given to the Cape & Vineyard Electric Company et al, dated June 10, 1950 being Document No. 27,252.

Said land is subject to the rights granted in a Water Easement given to the Town of Brewster, dated September 20, 1971 being Document No. 155,610.

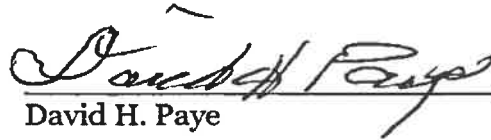
Being the same premises conveyed to David H. Paye pursuant to Certificate No. 159646 registered in the Registry District of Barnstable on the 3rd day of November, 2000, as Document # 815475.

NOT AN OFFICIAL COPY
NOT AN OFFICIAL COPY
THIS DEED CREATES NO NEW BOUNDARIES. OFFICIAL COPY

I, David H. Paye, hereby certify under the pains and penalties of perjury that I have no spouse, that I release any homestead rights I may hold in the granted premises and that I know of no person entitled to claim a homestead in the premises hereby conveyed other than myself.

OFFICIAL COPY
OFFICIAL COPY

EXECUTED this 24th day of September, 2015.


David H. Paye

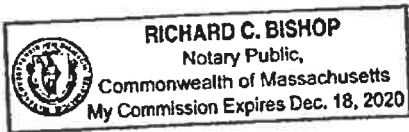
COMMONWEALTH OF MASSACHUSETTS

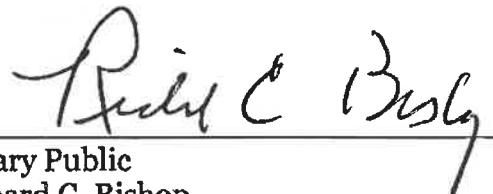
Hampshire, ss.

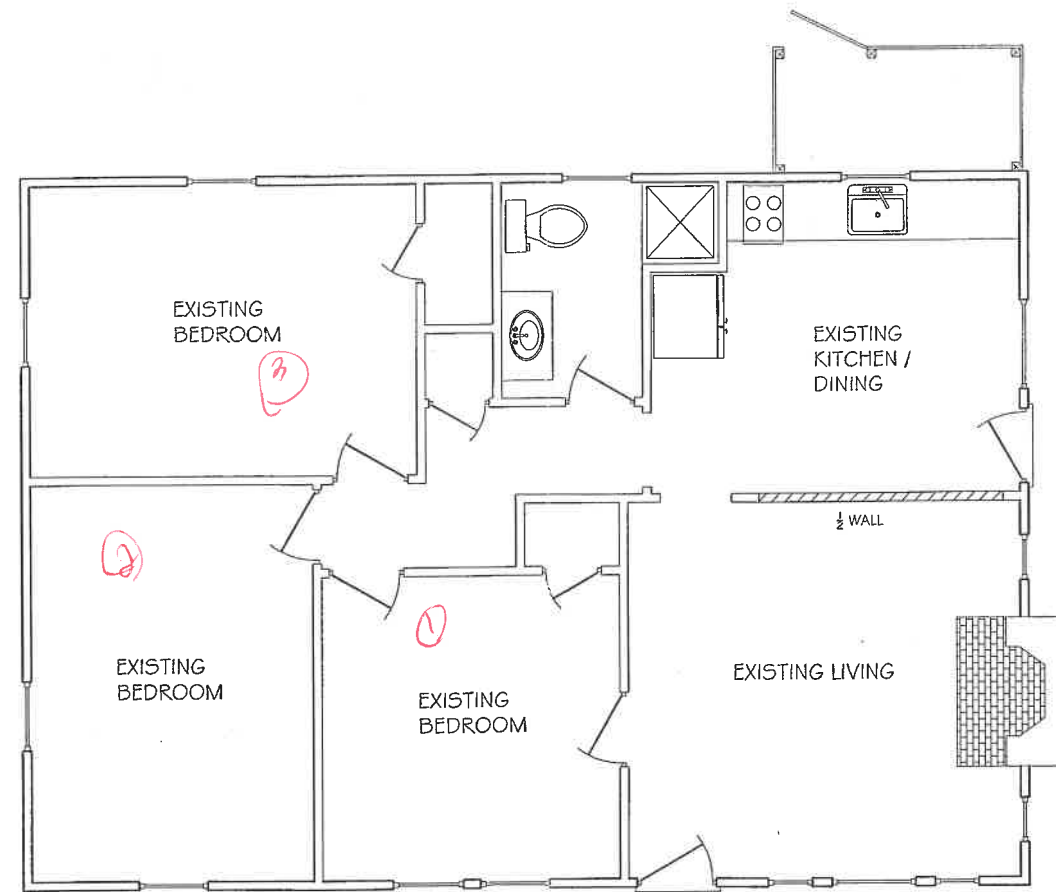
On this 24th day of September, 2015, before me, the undersigned notary public, personally appeared David H. Paye, who proved his identity to me:

by personal knowledge of signatory for a period of time establishing beyond doubt that the individual has the identity claimed,

and swore to be the person(s) whose name(s) is/are signed on the preceding or attached document, and acknowledged to me that he/she/they signed it voluntarily for its stated purpose, and who swore or affirmed to me under the pains and penalties of perjury that the contents of the document are truthful and accurate to the best of his/her/their knowledge and belief in my presence.




Notary Public
Richard C. Bishop
My commission expires: 12-18-2020



FIRST FLOOR PLAN

SCALE 1/4" = 1'-0"

CONTRACTOR TO VERIFY ALL DIMENSIONS/CONDITIONS IN FIELD PRIOR TO CONSTRUCTION

EXISTING FLOOR PLAN

Ryder & Wilcox SURVEYING ENGINEERING HOME PLANNING & DESIGN 3 GIDDIAH HILL ROAD P.O. BOX 439 SO. ORLEANS, MASSACHUSETTS 02662 TEL: 508.255.8312 FAX: 508.240.2306 ryder-wilcox.com	PROPOSED FOR: WAYNE & JOANNE WOODARD		DRAWN BY: BAM
	IN: BREWSTER, MA	SCALE: 1/4" = 1'-0"	DATE:
	ON: 110 SEAWAY ROAD		REVISED:
	ALL MATERIALS AND METHODS OF CONSTRUCTION SHALL CONFORM TO THE MASSACHUSETTS STATE BUILDING CODE. ABSENCE OF SPECIFIC ITEMS FROM DRAWINGS DOES NOT RELIEVE ANY PARTY FROM CODE REQUIREMENTS.		DRAWING NUMBER: A 2 OF 5

A VARIANCE FROM 310 CMR 15.000 THE STATE ENVIRONMENTAL CODE TITLE 5 IS REQUESTED TO ALLOW: A PROPOSED SOIL ABSORPTION SYSTEM TO BE 4.5'± BELOW GRADE WHERE 3' IS ALLOWED (1.5'± VARIANCE)

Permit valid for REPAIR OF SEPTIC SYSTEM ONLY, due to State and Local septic variances. Board of Health review and approval is required for any future additions/renovations/alterations to sewage facilities and/or structures/dwelling.

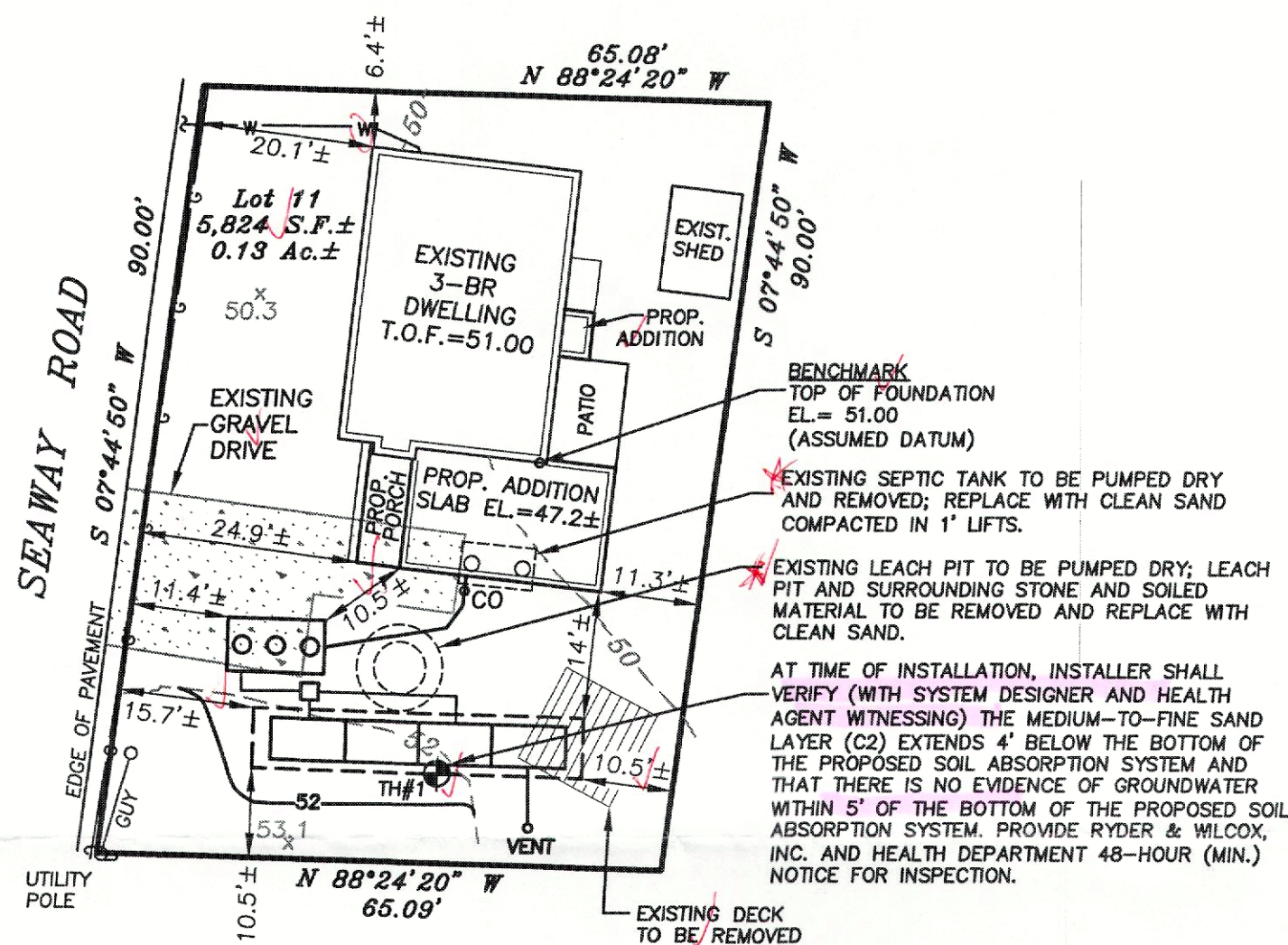
Brewster Health Department

APPROVED

Sherrie McCullough Date

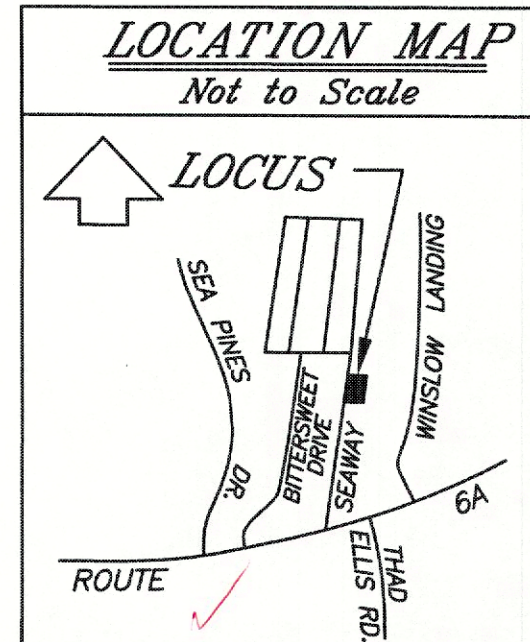
SITE PLAN

1" = 20'



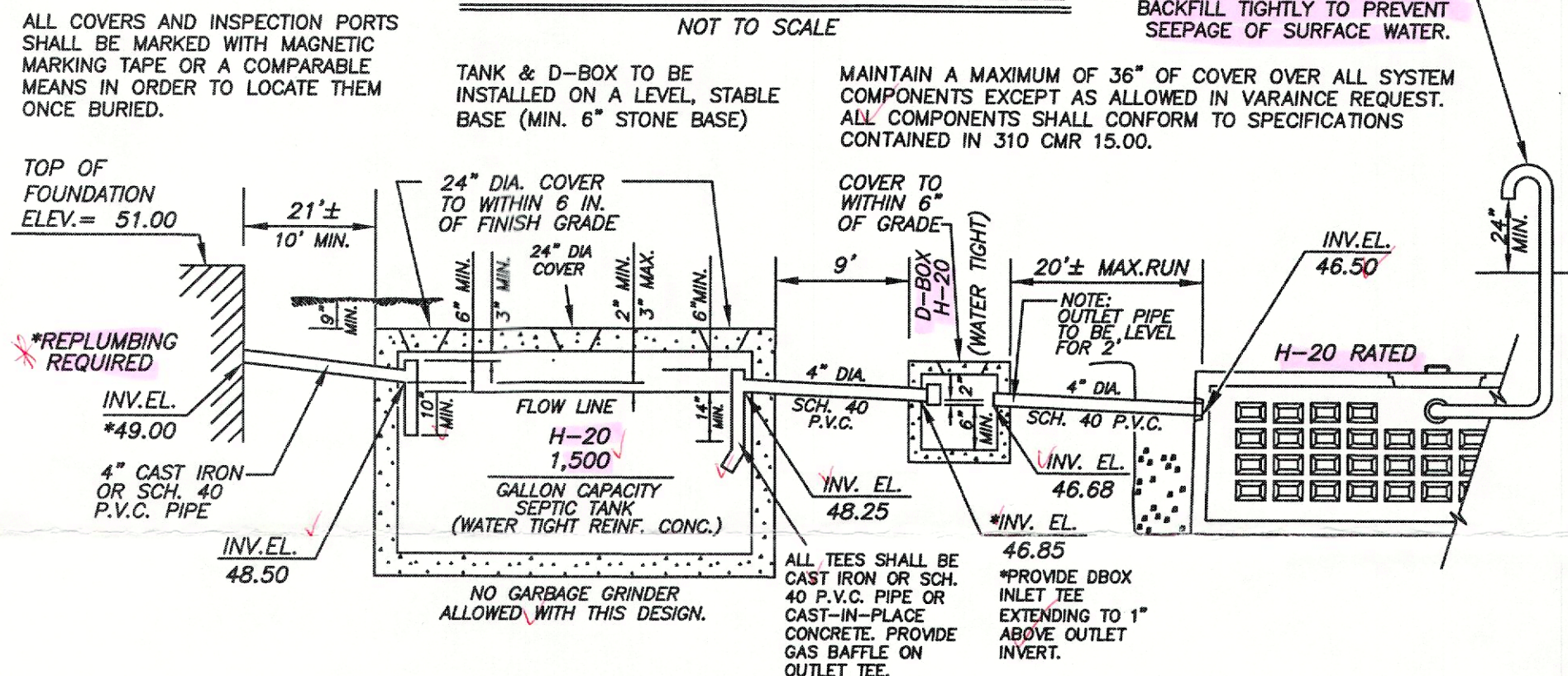
GENERAL NOTES:

1. SYSTEM IS DESIGNED IN ACCORDANCE WITH "COMMONWEALTH OF MASS., DEPT. OF ENVIRONMENTAL PROTECTION, 310 CMR 15.00; THE STATE ENVIRONMENTAL CODE, TITLE 5: STANDARD REQUIREMENTS FOR THE SITING, CONSTRUCTION, INSPECTION, UPGRADE AND EXPANSION OF ON-SITE SEWAGE TREATMENT AND DISPOSAL SYSTEMS" AND THE TOWN OF BREWSTER REGULATIONS, EXCEPT AS NOTED.
2. NO WELLS OR WATER SUPPLIES ARE KNOWN TO EXIST WITHIN 100 FEET OF THE PROPOSED SOIL ABSORPTION SYSTEM.
3. PRIOR TO BACKFILLING COMPLETED SYSTEM, NOTIFY THE ENGINEER AND THE HEALTH DEPARTMENT FOR INSPECTION. PROVIDE 24 HOURS (MIN.) NOTICE.
4. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO EXCAVATION.
5. ANY CHANGES TO THIS PLAN MUST BE APPROVED BY THE BOARD OF HEALTH.
6. AREA SERVED BY TOWN WATER.
7. THIS PROPERTY IS NOT LOCATED WITHIN A ZONE II WATER SUPPLY CONTRIBUTION AREA.
8. THIS PLAN PROPOSES A SEPTIC UPGRADE WITH NO INCREASE IN DESIGN FLOW, A RESERVE AREA IS NOT SHOWN.



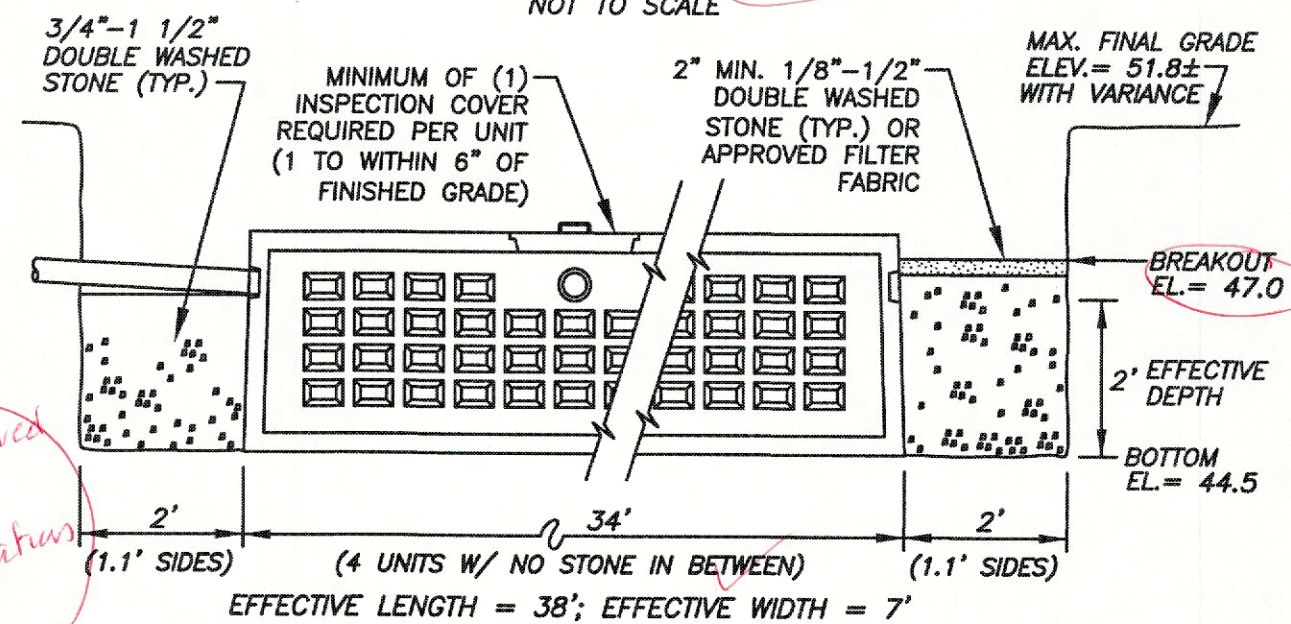
TYPICAL SYSTEM PROFILE

NOT TO SCALE



ABSORPTION CHAMBER DETAIL

(500-GAL. "ACME PRECAST" UNITS, H-20 RATED, OR EQUAL)
NOT TO SCALE



DESIGN DATA

NUMBER OF BEDROOMS: 3

ESTIMATED DAILY EFFLUENT: 330 GPD

TOTAL LEACHING AREA AS PROPOSED:
SIDEWALL: 2(L+W) x D = 180 S.F.

BOTTOM: L x W = 266 S.F.

LEACHING CAPACITY AS PROPOSED:
(EFFLUENT LOADING RATE = 0.74 GPD/SF)

SIDEWALL: 180 S.F. X 0.74 = 133.2 GPD

BOTTOM: 266 S.F. X 0.74 = 196.8 GPD

TOTAL = 330 GPD

LEGEND

- ⊕ TEST HOLE LOCATION
- - - - -52- EXISTING CONTOUR
- - - - -52- PROPOSED CONTOUR
- ⊕ CO PROPOSED CLEANOUT
- □ □ SEPTIC TANK (H-20 RATED)
- □ □ DISTRIBUTION BOX (H-20 RATED)
- 38' x 7' x 2' ABSORPTION CHAMBER SYSTEM (H-20 RATED)
- C.B. CONCRETE BOUND
- W — EXISTING WATER SERVICE
- G — EXISTING GAS SERVICE
- ⊕ UTILITY POLE

TEST HOLE DATA

DATE OF TEST HOLES: 11/4/2021
NO WATER ENCOUNTERED
INSP. BY: D. QUINN (R&W), SHERRIE MCCULLOUGH (HEALTH DEPT.)

No. 1			
DEPTH (IN.)	SOIL HORIZON	SOIL TEXTURE	ELEVATION (FT.)
0 - 7	A	LOAMY SAND	52.2 - 51.6
7 - 32	B	LOAMY SAND	51.6 - 49.5
32 - 54	C1	LOAMY SAND	49.5 - 47.7
54 - 132	C2	MEDIUM TO FINE SAND	47.7 - 41.2

BOTTOM OF PERC AT 53" (C1-LAYER) < 2MIN./IN.

REFERENCE:
ASSR'S. MAP 90, PARCEL 9
L.C.P. 12014B, SHEET 2 (1927)

ZONE R-M

MINIMUM BUILDING SETBACKS*

FRONT - 20'
ABUTTERS - 10'
*PER SECTION 179-26 B.

COVERAGE CALCULATIONS

PROPOSED

DWELLING = 1,253 S.F.±*

SHED = 100 S.F.±

TOTAL = 1,353 S.F.± (23%)

*EXCLUDES DRIPLINE AREA

PROPOSED ON-SITE SEWAGE TREATMENT AND DISPOSAL SYSTEM

Prepared for: **Wayne & Joanne Woodard**
Location: **110 Seaway Road, Brewster,**

Ryder & Wilcox, Inc., P.E. & P.L.S.
3 Ciddriah Hill Rd.
P.O. Box 439
So. Orleans, MA, 02662
Tel. (508) 255-8312
Fax. (508) 240-2306

Scale: 1" = 20'
Drawn by - NMA, APC
Date - April 19, 2023



Job No. 4429

*BoH wishes to play
mentor on Opioid Funds*

Amy von Hone

From: Mimi Bernardo
Sent: Friday, April 21, 2023 2:16 PM
To: Peter Lombardi; Amy von Hone
Subject: RE: Opioid Funds

We have received \$56,796.09 this fiscal year to date.

From: Peter Lombardi <plombardi@brewster-ma.gov>
Sent: Friday, April 21, 2023 1:56 PM
To: Amy von Hone <avonhone@brewster-ma.gov>
Cc: Mimi Bernardo <mbernardo@brewster-ma.gov>
Subject: RE: Opioid Funds

Hi Amy,

Attached are the amounts that have been allocated to Brewster from the Big 3 settlement and those that are planned to be distributed to Brewster from the latest settlement (CVS, Walgreens, etc) – which we have signed on to. The state is planning to put a legislative fix in place that will allow us to direct and spend these funds via a separate account without Town Meeting approval – but they haven't done that yet – so, whatever we receive this year (Mimi can tell you what we have received so far) will fall to Free Cash. We will then appropriate that amount to the new fund next fall.

As we have discussed, I feel like we would be much more effective if we pooled our resources with our neighbors and provided coordinated regional services. I have been disappointed by the lack of leadership/direction from the County on this – they are ideally situated to take the lead. Have you talked to other Health Directors about what they plan to do? Maybe this is a topic for an upcoming TA/M meeting too...

I appreciate your Board's interest and would invite their involvement. Perhaps they could designate one of their members to work on it with us.

Peter

Peter Lombardi
Town Manager
Town of Brewster
508-896-3701 x. 1128

Brewster Town Offices are open to the public Monday through Thursday from 8:30am to 4:00pm, and by appointment on Fridays.

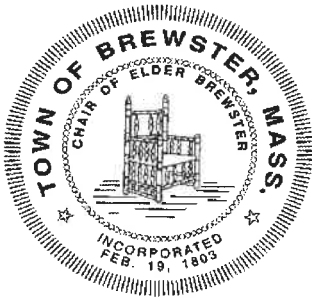
From: Amy von Hone <avonhone@brewster-ma.gov>
Sent: Thursday, April 20, 2023 4:24 PM
To: Peter Lombardi <plombardi@brewster-ma.gov>
Subject: Opioid Funds

Peter-

The Board of Health, at their meeting last night, requested an agenda item be added to our next meeting (May) regarding the opioid settlement funds that have been awarded to Brewster. The Board is requesting information on proposed programs and allocation of funds with an interest in being part of the discussion for same. I provided them with a high level summary of what has taken place to date.

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V
	Allocation of Municipal Opioid Abatement Funds Among Eligible Subdivisions																					
	Source: Gilliam Palmer, AECX Office, via email 3/8/22																					
	Total Municipal Abatement Funds for Allocation Among Eligible Subdivisions:																					
	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	TOTAL		
1	\$ 23,644,883	\$ 12,530,556	\$ 17,061,720	\$ 17,869,778	\$ 11,084,673	\$ 11,084,673	\$ 12,778,657	\$ 13,176,530	\$ 13,176,530	\$ 11,375,468	\$ 9,497,907	\$ 9,497,907	\$ 9,497,907	\$ 9,497,907	\$ 9,497,907	\$ 9,497,907	\$ 9,497,907	\$ 9,497,907	\$ 9,497,907	\$ 9,497,907	\$ 210,257,785	
2	State of MA																					
3	Allocation of Municipal Abatement Funds Among Eligible Subdivisions:																					
4	Barnstable County																					
5	County of Barnstable																					
6	0.04385%	\$ 15,120	\$ 10,511	\$ 11,427	\$ 7,087	\$ 7,087	\$ 8,169	\$ 6,426	\$ 6,426	\$ 7,274	\$ 6,074	\$ 6,074	\$ 6,074	\$ 6,074	\$ 6,074	\$ 6,074	\$ 6,074	\$ 6,074	\$ 6,074	\$ 6,074	\$ 134,456	County of Barnstable
7	Towns:																					
8	Barnstable (Town of)	\$ 202,833	\$ 107,491	\$ 146,361	\$ 95,062	\$ 95,062	\$ 109,576	\$ 113,032	\$ 113,032	\$ 97,582	\$ 81,476	\$ 81,476	\$ 81,476	\$ 81,476	\$ 81,476	\$ 81,476	\$ 81,476	\$ 81,476	\$ 81,476	\$ 81,476	\$ 1,803,656	Barnstable (Town of)
9	Bourne	0.1780%	\$ 89,471	\$ 47,415	\$ 64,561	\$ 41,932	\$ 41,932	\$ 48,335	\$ 48,859	\$ 43,044	\$ 35,940	\$ 35,940	\$ 35,940	\$ 35,940	\$ 35,940	\$ 35,940	\$ 35,940	\$ 35,940	\$ 35,940	\$ 35,940	\$ 795,605	Bourne
10	Brewster	0.1285%	\$ 30,371	\$ 16,095	\$ 21,915	\$ 22,953	\$ 16,407	\$ 16,925	\$ 16,925	\$ 14,611	\$ 12,200	\$ 12,200	\$ 12,200	\$ 12,200	\$ 12,200	\$ 12,200	\$ 12,200	\$ 12,200	\$ 12,200	\$ 12,200	\$ 270,070	Brewster
11	Chatham	0.1883%	\$ 39,850	\$ 21,118	\$ 28,755	\$ 30,117	\$ 18,676	\$ 21,518	\$ 22,207	\$ 19,172	\$ 16,007	\$ 16,007	\$ 16,007	\$ 16,007	\$ 16,007	\$ 16,007	\$ 16,007	\$ 16,007	\$ 16,007	\$ 16,007	\$ 354,356	Chatham
12	Dennis	0.0970%	\$ 22,940	\$ 12,157	\$ 16,553	\$ 17,337	\$ 10,751	\$ 12,393	\$ 12,784	\$ 11,096	\$ 9,215	\$ 9,215	\$ 9,215	\$ 9,215	\$ 9,215	\$ 9,215	\$ 9,215	\$ 9,215	\$ 9,215	\$ 9,215	\$ 203,989	Dennis
13	Eastham	0.0787%	\$ 18,507	\$ 9,861	\$ 13,426	\$ 14,062	\$ 8,720	\$ 10,052	\$ 10,369	\$ 8,720	\$ 7,474	\$ 7,474	\$ 7,474	\$ 7,474	\$ 7,474	\$ 7,474	\$ 7,474	\$ 7,474	\$ 7,474	\$ 7,474	\$ 165,455	Eastham
14	Falmouth	0.6630%	\$ 156,833	\$ 83,113	\$ 113,168	\$ 116,527	\$ 73,503	\$ 84,726	\$ 87,298	\$ 75,452	\$ 62,998	\$ 62,998	\$ 62,998	\$ 62,998	\$ 62,998	\$ 62,998	\$ 62,998	\$ 62,998	\$ 62,998	\$ 62,998	\$ 1,394,606	Falmouth
15	Herwich	0.2840%	\$ 67,726	\$ 35,851	\$ 48,870	\$ 51,185	\$ 31,741	\$ 36,588	\$ 37,742	\$ 32,883	\$ 27,205	\$ 27,205	\$ 27,205	\$ 27,205	\$ 27,205	\$ 27,205	\$ 27,205	\$ 27,205	\$ 27,205	\$ 27,205	\$ 602,243	Herwich
16	Mashpee	0.3450%	\$ 81,791	\$ 43,345	\$ 59,015	\$ 61,814	\$ 38,333	\$ 44,186	\$ 45,380	\$ 39,309	\$ 32,855	\$ 32,855	\$ 32,855	\$ 32,855	\$ 32,855	\$ 32,855	\$ 32,855	\$ 32,855	\$ 32,855	\$ 32,855	\$ 727,313	Mashpee
17	Orleans	0.0935%	\$ 22,109	\$ 11,717	\$ 15,854	\$ 16,709	\$ 10,362	\$ 12,321	\$ 12,321	\$ 10,637	\$ 8,881	\$ 8,881	\$ 8,881	\$ 8,881	\$ 8,881	\$ 8,881	\$ 8,881	\$ 8,881	\$ 8,881	\$ 8,881	\$ 196,602	Orleans
18	Provincetown	0.0450%	\$ 21,163	\$ 11,215	\$ 15,994	\$ 15,994	\$ 9,918	\$ 11,493	\$ 11,783	\$ 10,181	\$ 8,501	\$ 8,501	\$ 8,501	\$ 8,501	\$ 8,501	\$ 8,501	\$ 8,501	\$ 8,501	\$ 8,501	\$ 8,501	\$ 188,184	Provincetown
19	Sandwich	0.0600%	\$ 14,237	\$ 7,572	\$ 10,310	\$ 10,798	\$ 6,696	\$ 7,718	\$ 7,962	\$ 6,874	\$ 5,739	\$ 5,739	\$ 5,739	\$ 5,739	\$ 5,739	\$ 5,739	\$ 5,739	\$ 5,739	\$ 5,739	\$ 5,739	\$ 127,048	Sandwich
20	Truro	0.0660%	\$ 15,790	\$ 8,368	\$ 11,394	\$ 11,934	\$ 7,400	\$ 8,530	\$ 8,799	\$ 7,597	\$ 6,343	\$ 6,343	\$ 6,343	\$ 6,343	\$ 6,343	\$ 6,343	\$ 6,343	\$ 6,343	\$ 6,343	\$ 6,343	\$ 140,412	Truro
21	Wellfleet	0.1300%	\$ 30,537	\$ 16,385	\$ 22,323	\$ 23,381	\$ 14,499	\$ 16,713	\$ 17,240	\$ 14,884	\$ 12,427	\$ 12,427	\$ 12,427	\$ 12,427	\$ 12,427	\$ 12,427	\$ 12,427	\$ 12,427	\$ 12,427	\$ 12,427	\$ 275,099	Wellfleet
22	Yarmouth		\$ 946,750	\$ 501,728	\$ 683,160	\$ 715,512	\$ 443,712	\$ 511,462	\$ 527,594	\$ 455,479	\$ 380,301	\$ 380,301	\$ 380,301	\$ 380,301	\$ 380,301	\$ 380,301	\$ 380,301	\$ 380,301	\$ 380,301	\$ 380,301	\$ 8,418,798	Yarmouth
23	TOTAL		\$ 946,750	\$ 501,728	\$ 683,160	\$ 715,512	\$ 443,712	\$ 511,462	\$ 527,594	\$ 455,479	\$ 380,301	\$ 380,301	\$ 380,301	\$ 380,301	\$ 380,301	\$ 380,301	\$ 380,301	\$ 380,301	\$ 380,301	\$ 380,301	\$ 8,418,798	TOTAL

Revised 5/17/23



Town of Brewster

2198 MAIN STREET
BREWSTER, MASSACHUSETTS 02631-1898

PHONE: 508.896.3701 EXT. 1120

FAX: 508.896.4538

brhealth@brewster-ma.gov

WWW.BREWSTER-MA.GOV

Health Department
Amy L. von Hone, R.S., C.H.O.
Director

Sherrie McCullough, R.S.
Assistant Director

Tammi Mason
Senior Department Assistant

Name
Address

Date

RE: Pressure Dose Septic System Inspection Requirements

Dear Property Owner,

Cape Cod has a sole source aquifer, meaning that one underground water source provides essentially all of the drinking water on Cape Cod. We drink the same water into which stormwater, grey water, industrial wastewater, and sewage is discharged. The earth has natural capacity to filter and treat wastewater to meet drinking water standards with proper separation to wells. However, data shows increased impairment in water quality as the population in our communities continues to grow.

The Board of Health is responsible to ensure effective monitoring of the operation and maintenance of septic systems to protect and sustain this most valuable resource. In accordance with Mass. State Environmental Code 310 CMR 15.254 (2)(d):

..... Pumps, alarms and other equipment requiring periodic or routine inspection and maintenance shall be operated, inspected and maintained in accordance with the manufacturer's and designer's specifications. In no instance shall inspection be performed less frequently than once every three months for a system serving a facility with a design flow of 2,000 gallons per day or greater and annually for any system serving a facility with a design flow of less than 2,000 gallons per day. The system owner shall submit the results of such inspections to the Approving Authority annually by January 31st of each year for the previous calendar year.

Health Department records indicate the property at this address is served by a septic system with a pressure dosed leach facility. We are writing to remind you of your obligation to ensure proper operation of your system by obtaining routine, periodic inspections as required under the State Environmental Code.

If you have recently had your system inspected, please forward a copy of the report for our records. If you have not had your system inspected within the past year, we urge you to do so at this time and request that you forward a copy of the report to the Health Department. A list of licensed Septic Inspectors and Wastewater Treatment Operators has been enclosed for your convenience.

Thank you for your assistance. Title 5 septic system inspections and maintenance are not only a critical part of our work together to protect our water resources but will also extend the life of your septic system. If you have questions, feel free to contact the Health Department at 508-896-3701, ext. 1120.

Sincerely,

Brewster Board of Health, Chairman

Encl. Title 5: 310 CMR 15.254 (2) (d) Pressure Dosing and Pressure Distribution excerpt
List of Septic Inspectors/Wastewater Treatment Operators
<https://neiwpc.org/wp-content/uploads/2023/04/SI-In-State-04-25-2023.pdf>
Public Information for Septic System Owners:
<https://www.mass.gov/guides/caring-for-your-septic-system>

310 CMR: DEPARTMENT OF ENVIRONMENTAL PROTECTION

15.254: Pressure Dosing and Pressure Distribution

- (1) Gravity Distribution.
 - (a) Dosing systems employing gravity distribution to the soil absorption system shall be restricted to systems designed to accept less than 2,000 gpd.
 - (b) The dosing chamber and pumps shall be designed in accordance with 310 CMR 15.231.
 - (c) Distribution lines to the soil absorption system shall have a minimum diameter of two inches and shall otherwise be in conformance with the provisions of 310 CMR 15.251(Trenches).
 - (d) Septic tank effluent shall be dosed to the soil absorption system at a rate based on volume and number of doses that prevent the ponding of the effluent in the soil absorption system.

- (2) Pressure Distribution.
 - (a) Pressure distribution of septic tank/recirculating sand filter effluent to the soil absorption system shall be required for: a system to serve a facility with a design flow of 2,000 gpd or greater; a system that is not designed to discharge by gravity either from the septic tank or to the soil absorption system; a system designed for intermittent discharge of effluent to the soil absorption system; and a system with a multiple soil absorption system, unless otherwise determined in writing by the Approving Authority.
 - (b) The pumping chamber and pumps shall be designed in accordance with 310 CMR 15.231.
 - (c) The pressure distribution system shall be designed in accordance with Department guidance.
 - (d) Pumps, alarms and other equipment requiring periodic or routine inspection and maintenance shall be operated, inspected and maintained in accordance with the manufacturer's and the designer's specifications. In no instance shall inspection be performed less frequently than once every three months for a system serving a facility with a design flow of 2,000 gallons per day or greater and annually for a system serving a facility with a design flow of less than 2,000 gallons per day. The system owner shall submit the results of such inspections to the Approving Authority annually by January 31st of each year for the previous calendar year.

15.255: Construction in Fill

- (1) Any system where fill is required to replace topsoil, peat or other unsuitable or impervious soil layer above the requisite four feet of naturally occurring pervious material is a system constructed in fill. Any system constructed in fill which extends either wholly or partially above natural grade for the purpose of complying with 310 CMR 15.212 (depth to groundwater) is a mounded system. All soil absorption systems constructed in fill shall be sized using the soil class of the underlying naturally occurring pervious material.

- (2) The finished side slopes of a mounded system shall not be steeper than 3:1 (horizontal:vertical). A minimum 15 foot horizontal separation distance shall be provided between the soil absorption area and the adjacent side slope as measured from the edge of the top of the two inch layer of $\frac{1}{8}$ to $\frac{1}{2}$ inch washed stone aggregate or geotextile fabric cover. The toe of the slope shall be a minimum of five feet from any property line, or a swale or other drainage system directing runoff away from the adjacent property shall be installed. Adjustments to the above horizontal separation may be allowed if a suitable impervious barrier is installed to prevent potential sewage breakout. The impervious barrier shall meet the following requirements:
 - (a) the impervious barrier shall be designed by a Massachusetts Registered Sanitarian or a Massachusetts Registered Professional Engineer.
 - (b) construction of the impervious barrier shall be supervised by the designer.
 - (c) prior to issuance of a Certificate of Compliance, the applicant shall submit to the Approving Authority an as-built plan prepared and certified by the designer that the impervious barrier has been constructed in accordance with the approved design plan.
 - (d) the elevation of the top of the impervious barrier shall be no lower than the "breakout" elevation, which is the elevation of the top of the two inch layer of $\frac{1}{8}$ inch to $\frac{1}{2}$ inch washed stone aggregate cover.
 - (e) the recommended distance from the impervious barrier to the edge of the soil absorption system closest to the barrier should be at least ten feet.

Licensed I/A Operation & Maintenance Operators



Barnstable County Department of Health and Environment
 P.O. Box 427, Barnstable, MA 02630

Company Name	Phone Number	City	State
ACCU Sepcheck	508-385-5891	South Dennis	MA
All Cape Environmental Inc	508-776-6219	Yarmouth Port	MA
Aquapoint .3 LLC	508-985-9050	New Bedford	MA
Atlantic Solutions	401-293-0176	Portsmouth	RI
Bennett Environmental Associates, LLC	508-896-1706	Brewster	MA
Bridgewater Pump, Inc.	508-697-9943	Bridgewater	MA
Cape Clear Water	508-603-8771	Marstons Mills	MA
Cape Septic Inspections	508-280-3356	Teaticket	MA
CHA Consulting	781-820-5386	Norwell	MA
Clear Water Industries LLC	978-356-0779	Ipswich	MA
Clearwater Recovery	781-878-3849	Rockland	MA
Clivus New England, Inc.	978-794-9400	North Andover	MA
Coastal Engineering, Co. Inc.	508-255-6511	Orleans	MA
Effluential Technologies, Inc.	401-293-0108	Tiverton	RI
F.R. Mahony & Associates, Inc.	508-765-0051	Rockland	MA
Green Wastewater Solutions	401-737-7600	Warwick	RI
Hickey Environmental Services	508-400-2416	Oak Bluffs	MA
Holmes and McGrath, Inc.	508-548-3564	Falmouth	MA
Island Environmental Services	508-498-2482	Nantucket	MA
J.C. Ellis Design Co, Inc.	508-240-2220	North Eastham	MA
J.M. O'Reilly and Associates, Inc.	508-896-6601	Brewster	MA
Lightship Engineering	508-830-3344	Plymouth	MA
Lombardo Associates	617-964-2924	Newton	MA
Luis Coelho	508 991 9951	New Bedford	MA
Moles Environmental Services, Inc.	508-880-6770	Taunton	MA
Pureflo	508 742 7324	Middleborough	MA
Robert Inglis	508-364-0328	Nantucket	MA
Rosano Davis	781-383-8888	Cohasset	MA
Schwebach F.L.P.	508-237-2233	Eastham	MA
Septic Preservation Services	508-222-2203	Attleboro	MA
Siegmund Environmental Services, Inc.	401-785-0130	Norton	MA
Theodore Van Gerven	774 228 1702	Vineyard Haven	MA
Upper Cape Septic Services	508-495-0905	East Falmouth	MA
Wastewater Treatment Services	508-880-0233	Raynham	MA
Weston and Sampson Services Inc	978-532-1900	Reading	MA
WhiteWater, Inc.	888-377-7678	Charlton	MA
Wind River Environmental	888-767-6025	Hudson	MA



Septic System Dos and Don'ts

(adapted from National Small Flows Clearinghouse)

Dos

- Check with the local regulatory agency or inspector/pumper if you have a garbage disposal unit to make sure that your septic system can handle this additional waste.
- Check with your local health department before using additives. Commercial septic tank additives do not eliminate the need for periodic pumping and can be harmful to the system.
- Use water efficiently to avoid overloading the septic system. Be sure to repair leaky faucets or toilets. Use high-efficiency fixtures.
- Use commercial bathroom cleaners and laundry detergents in moderation. Many people prefer to clean their toilets, sinks, showers, and tubs with a mild detergent or baking soda.
- Check with your local regulatory agency or inspector/pumper before allowing water softener backwash to enter your septic tank.
- Keep records of repairs, pumpings, inspections, permits issued, and other system maintenance activities.
- Learn the location of your septic system. Keep a sketch of it with your maintenance record for service visits.
- Have your septic system inspected and pumped as necessary by a licensed inspector/contractor.
- Plant only grass over and near your septic system. Roots from nearby trees or shrubs might clog and damage the drainfield.

Don'ts

- Your septic system is not a trash can. Don't put dental floss, feminine hygiene products, condoms, diapers, cotton swabs, cigarette butts, coffee grounds, cat litter, paper towels, latex paint, pesticides, or other hazardous chemicals into your system.
- Don't use caustic drain openers for a clogged drain. Instead, use boiling water or a drain snake to open clogs.
- Don't drive or park vehicles on any part of your septic system. Doing so can compact the soil in your drainfield or damage the pipes, tank, or other septic system components.

Do Your Part, Be SepticSmart:

The Do's and Don'ts of Your Septic System

Learn these simple steps to protect your home, health, environment and property value:

Protect It and Inspect It:

Do:

- Have your system inspected (in general) every three years by a licensed contractor and have the tank pumped, when necessary, generally every three to five years.

Think at the Sink:

Don't:

- Pour cooking grease or oil down the sink or toilet.
- Rinse coffee grounds into the sink.
- Pour household chemicals down the sink or flush them.

Do:

- Eliminate or limit the use of a garbage disposal.
- Properly dispose of coffee grounds & food.
- Put grease in a container to harden before discarding in the trash.

Don't Overload the Commode:

Don't:

- Flush non-degradable products or chemicals, such as feminine hygiene products, condoms, dental floss, diapers, cigarette butts, cat litter, paper towels, pharmaceuticals.

Do:

- Dispose of these items in the trash can!

Shield Your Field:

Don't:

- Park or drive on your drainfield. The weight can damage the drain lines.
- Plant trees or shrubs too close to your drainfield, roots can grow into your system and clog it.

Do:

- Consult a septic service professional to advise you of the proper distance for planting trees and shrubs, depending on your septic tank location.

Don't Strain Your Drain:

Don't

- Concentrate your water use by using your dishwasher, shower, washing machine, and toilet at the same time. All that extra water can really strain your septic system.

Do:

- Stagger the use of water-generating appliances. This can be helpful especially if your system has not been pumped in a long time.
- Become more water efficient by fixing plumbing leaks and consider installing bathroom and kitchen faucet aerators and water-efficient products.



For more SepticSmart tips, visit: www.epa.gov/septicSMART

Proper Landscaping On and Around Your Septic System

The drainfield is a vital part of your septic system. Having the right landscaping on and around your system is important, as tree and shrubbery roots can grow into the drain lines. Also, other heavy items like cars and livestock can break drain lines. Strong roots and heavy items can cause the drainfield to fail. And if the drainfield fails, your system fails.



septicSMART

U.S. Environmental Protection Agency

Here are some tips to keep your drainfield out of harm's way.

Locate your septic tank and drainfield. Then make sure the area is clear of:

- Underground sprinkler lines
- Decks and patios
- Sports courts
- Storage sheds
- Swing sets
- Sand boxes
- Driveways
- Vehicles
- Swimming pools



Plant native, drought-tolerant plants. These are some of the best for your septic system and its drainfield:

Grass:

- Fescue
- Lawn
- Ornamental grasses
- Wildflower meadow mixes

Groundcovers for sun:

- Bugleweed (*Ajuga*)
- Carpet heathers (*Galluna Vulgaris*)
- Cotoneaster (*Cotoneaster*)
- Ground ivy (*Glechoma*)
- Kinnikinnick (*Arctostaphylos*)
- Periwinkle (*Vinca*)

Groundcovers for shade:

- Bunchberry (*Cornus*)
- Chameleon (*Houttuynia*)
- Ferns
- Mosses
- Sweet woodruff (*Gallium Odoratum*)
- Wild ginger (*Asarum*)
- Wintergreen (*Gaultheria*)

Follow Septic Sam's landscaping do's and don'ts:

Don't:

- Plant a vegetable garden on or near the drainfield.
- Put plastic sheets, bark, gravel or other fill over the drainfield.
- Reshape or fill the ground surface over the drainfield and reserve area. However, just adding topsoil is generally OK if it isn't more than a couple of inches.
- Make ponds on or near the septic system and the reserve area.

Do:

- Plant grass or keep existing native vegetation. These are the best covers for your drainfield.
- Direct all surface drainage away from the septic system.
- Use shallow-rooted plants (see plant list above). Tree and shrub roots can grow into the drainlines, clogging and breaking them.
- Avoid water-loving plants and trees.
- Make sure the tank lid is secure.

For more SepticSmart tips, visit www.epa.gov/septicSMART

Amy von Hone

To: Engineering Firms; Septic Inspectors
Cc: BOH Members; Peter Lombardi
Subject: DRAFT Brewster BOH Pressure Dosed System Inspection Requirement
Attachments: DRAFT OF PUBLIC OUTREACH FOR OWNERS OF PRESSURE DOSED SEPTIC SYSTEMS 5.4.23 Letterhead.docx; Pressure Dose Inspection Report Template 2023.pdf

To Engineers and Septic Inspectors:

The Brewster Board of Health, on May 17, 2023, approved notification to all pressure dosed septic system owners in Brewster of the Title 5 inspection requirement of Pressure Dosed Systems per Massachusetts Regulation, State Environmental Code 310 CMR 15.254 (2)(d):

..... Pumps, alarms and other equipment requiring periodic or routine inspection and maintenance shall be operated, inspected and maintained in accordance with the manufacturer's and designer's specifications. In no instance shall inspection be performed less frequently than once every three months for a system serving a facility with a design flow of 2,000 gallons per day or greater and annually for any system serving a facility with a design flow of less than 2,000 gallons per day. The system owner shall submit the results of such inspections to the Approving Authority annually by January 31st of each year for the previous calendar year.

This educational letter (attached) provides an explanation of the regulatory inspectional requirements, as well as the value of system maintenance to extend the longevity of the systems and to protect our valuable water resources. The Board of Health is requesting a copy of any inspection reports completed within the last year, or a copy of a new inspection report to be completed to meet the inspectional requirements as noted above.

Please also find attached a copy of a Pressure Dose Inspection Report Template which can be used specifically for inspections required on pressure dosed systems. The full Title 5 Inspection Report typically used for a property transfer is an acceptable option but is not required for the pressure dose inspections.

Thank you for your attention to this matter, and please do not hesitate to contact our office with any questions or comments.

Thank you, Amy

Amy L. von Hone, R.S., C.H.O.
Brewster Health Director

Brewster Health Department
2198 Main Street
Brewster, MA 02631

(O) 508.896.3701 X1120
(F) 508.896.4538

PRESSURE DISTRIBUTION SOIL ABSORPTION SYSTEM OPERATION & MAINTENANCE CHECKLIST

Inspection Requirements per Title 5 - 15.254(2)(d)

Less than 2,000 GPD one inspection per year, and, 2,000 GPD and greater 4 inspections per year - due to BOH by January 31 for previous calendar year.

ADDRESS: _____ OWNER: _____

DATE: _____ OPERATOR: _____

Septic Tank

Baffles and Tees in place ___ inlet, ___ outlet OK/Replaced

Clean Effluent Filter: yes/no Comment: _____

Check Float Operation (if pumping provided)

OK: _____

Failure: _____

Repaired/Replaced: _____

Check Pump Operation

OK Failure Repaired/Replaced

Soil Absorption System (pressure distribution lines)

Measure Squirt Height (distal) _____ ft

OK/Failure: _____

Brush Laterals: yes/no

Flush Laterals: yes/no

Valve & valve box: ok/repaired/replaced Comment: _____

Comments: _____

Site: _____		Contractor: _____				Date: _____				
Reference Datum: _____		Elevation: _____				Height: _____				
Pod ID										
Lateral ID	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10
Length(ft)										
Lateral elevation										
Number of orifices										
Orifice Spacing										
Residual head at end										
Method used for estimating residual head? _____										

I certify that the pressure distribution system is operating properly and that the minimum distal design pressure is met and that there is no more than 10% variation between each line:

Inspector Signature: _____ Certificate # _____

	A	B	C	D	E	F	G	H	I	J	K	L	M
1													
2				Pressure Distribution Systems - Brewer, MA									
3	Street #	Street Name	Owner Name	Mailing Address	Map	Parcel	Zone II	Watershed	GPD	Inspection #1	Inspection #2	Inspection #3	Inspection #4
4	4	Alden Drive	Jamie & Jennifer Dicandia	19 Adam Taylor Road Sterling, MA 01564	56	89	No	CCB	288.7				
5		Bay Pines System 9 (Ocean Edge)	Ocean Edge	1 Villages Drive Brewster, MA 02631			No	CCB					
6	9 & 11	Breakwater Road	The Todd & Jessica French Nominee Trust, Wendy French, Trustee	258 Sheep Pond Drive Brewster, MA 02631	57	10	No	CCB	356.97				
7	141	Brewster Road (Brewster Senior Housing)	Frederick Court Development Corp.	460 Main Street Hyannis, MA 02601	56	75-16925	No	CCB	3600				
8	94	Cedar Hill Road	William & Maria Gaine	58 Kings Row Ashland, MA 01721	38	30	No	CCB	444				
9	19	Cedar Hill Road	Virginia B. Neumann, Trustee Virginia B. Neumann 2017 Trust	19 Charles Street Lexington, MA 02421	38	20	No	CCB	341.88	12/6/2022	11/24/2021	12/10/2020	11/26/2019
10	102	Cedar Hill Road	Jonathan Rosenfeld & Arlene Feldman	10 Ben Arthurs Way Dover, MA 02030	38	29	No	CCB	336.7				
11	40	Cranview Road	Sanford & Madeline Zevon	40 Cranview Road Brewster, MA 02631	10	66	Yes	HR	364				
12	46	Featherbed Lane	Boys Camp Inc., Camp Mitton Attn: Simon Hess	119 Myrtle Street Duxbury, MA 02332	11	45	Yes	CCB	1500				
13	121	Fiddlers Lane	John & Christine Martell	46 Harjean Road Billerica, MA 01821	48	33	No	CCB	356.98				
14	169	Fiddlers Lane	Joshua & Sarah Brunelle	169 Fiddlers Lane Brewster, MA 02631	48	35	No	CCB	462.5				
15		Fletcher Village System 2-1 (Ocean Edge)	Ocean Edge	1 Villages Drive Brewster, MA 02631			No	CCB					
16	11	Frederick Court	Brewster Housing Authority	11 Frederick Court Brewster, MA 02631	56	67	No	CCB	3649				
17	1000	Freeman's Way	Town of Brewster	1000 Freemans Way Brewster, MA 02631	119	1-F	Yes	PB	6000				
18		Granite State Court	Cape Associates Inc.	PO Box 1858 North Eastham, MA 02651	138	47	No	BR	2140				
19	199	Hamilton Cartway	Sandra Nayak, Trustee of The Nayak Brewster Realty Trust	12 Orchard Street Belmont, MA 02478	93	3	No	BR	266.4				
20	62	Harvest Lane	Carl Firings Et AL	9 Jib Court Middletown, RI 02842	68	66	No	CCB	475.95				
21	54	John Wings Lane	Stuart Koman C/O The Stuart Koman Trustee	54 John Wings Lane Brewster, MA 02631	23	47	No	CCB	503				
22	42	Konohassett Cartway	Joseph Carty & Diana Pohly	42 Konohassett Cartway Brewster, MA 02631	72	25							
23	1646	Main Street	Latham Centers Inc.	1646 Main Street Brewster, MA 02631	56	69	No	CCB	1100				
24	1671	Main Street (Fire Station)	Town of Brewster	1671 Main Street Brewster, MA 02631	56	6							
25	2537	Main Street	Michele Rowan	PO Box 1026 Brewster, MA 02631	78	76							
26	2639	Main Street	Brewster Main Street Realty Trust	PO Box 524 South Yarmouth, MA 02664	89	18							
27	2639	Main Street (CF)	Brewster Main Street Realty Trust	PO Box 524 South Yarmouth, MA 02664	89	18							
28	3260	Main Street 1&2 (Cobies)	Robert Slavin, Trustee, Roberts Realty Trust	3238 Main Street Brewster, MA 02631	101	47							
29	89	Main Street	Xiaobel Sullivan	89 Main Street Brewster, MA 02631	6	13							
30	1990	Main Street	Westerly Holdings LLC	PO Box 2000 Brewster, MA 02631	67	97							
31	1993	Main Street (The Brewster Inn)	Andrew Murphy, Trustee, The Main Street Realty Trust	PO Box 773 East Dennis, MA 02641	67	2							
32	2298	Main Street (Eddy Elementary School)	Town of Brewster	2298 Main Street Brewster, MA 02631	77	58							
33	3057	Main Street (2005 CC Sea Camps)	Town of Brewster	2198 Main Street Brewster, MA 02631	101	45							
34	3057	Main Street (2009 CC Sea Camps)	Town of Brewster	2198 Main Street Brewster, MA 02631	101	45							
35	523	Main Street	Hilary & Steven Hickok, The Hilary Hickok Trust	523 Main Street Brewster, MA 02631	16	21							
36	80	Mill Pond Drive	Carmine Cutone & Christie Harvey	471 Greendale Ave Needham, MA 02492	34	48							
37	119	North Pond Drive	Calvin & Karen Mutti	119 North Pond Drive Brewster, MA 02631	89	61							
38	254	Robbins Hill Road	Evelyn Maguire Trustee, Evelyn B. Maguire Trust C/O Carolyn Shea	22 Cross Street Harwichport, MA 02646	38	84							
39	255	Robbins Hill Road	Howard Hayes, Trustee Corcoran Nominee Trust	PO Box 1048 Brewster, MA 02631	38	58							
40	371	Robbins Hill Road	Michael & Deidre Peterson	770 Boylston Street, Penthouse 27D Boston, MA 02199	38	73							
41	242	Seaway Road	Michael & Deidre Peterson	643 Boston Post Road Waston, MA 02493	79	110							
42	53	Sheep Pond Circle	Marjorie Smeltzer	820 Harwich Road Apt 171 Brewster, MA 02631	73	11							
43	42	Six Penny Lane	David Howland & Erika Holzbaur-Howland	2408 Waverly Street Philadelphia, PA 19146	37	29							
44	56	Six Penny Lane	Eunice Terrenzi	56 Six Penny Lane Brewster, MA 02631	37	27							
45	0	South Orleans Road(White Rock Commons)	White Rock Homeowners Association	35 Beach Hill Way South Chatham, MA 02659	130	34							
46	100-120	Southern Eagle Cartway	Christopher & Clinton Kanaga Trustees, HKN Trust	PO Box 236 Orleans, MA 02653	138	43							
47	468	Stony Brook Road (Our Lady of the Cape Church)	Roman Catholic Bishop, Our Lady of the Cape	PO Box 1799 Brewster, MA 02631	25	3							
48	842	Stony Brook Road	Gino Verzone	842 Stony Brook Road Brewster, MA 02631	35	46							
49	102	Susan Lane	Sean Bennett	102 Susan Lane Brewster, MA 02631	55	4							
50	90	The Channel Way	Estate of John Henry, Nancy Asfour, Personal Representative	90 The Channel Way Brewster, MA 02631	58	74							
51	93	The Channel Way	William Glynn & Ann Lombroso, Trustees	64 Birchwood Lane Lincoln, MA 01773	58	6							
52	57	The Channel Way	Martha Dunbar, Trustee	54 Haven Street Milford, MA 01757	58	4							



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Health Department

Amy L. von Hone, R.S., C.H.O.
Director

Sherrie McCullough, R.S.
Assistant Director

Tammi Mason
Senior Department Assistant

Board of Health Meeting
Wednesday, April 5, 2023 at 6:30PM
Town Hall, Room B

Board members present: Annette Graczewski, MT (ASCP), Chair; Kimberley Crocker Pearson, MS, MD, MPH, Vice Chair; Penny Holeman, MPH, MA, MS, David Bennett & Casey D. Chatelain

Others present: Amy von Hone, R.S., C.H.O., Health Director, Sherrie McCullough, R.S., Assistant Health Director, Chris Vigneau, Weston/Sampson; Art & Judy Arnold, Owners of 2149 Main Street, Attorney Jamie Norcross, representing owners of 239 Underpass Road and Philip Flath, Executive Chef at Ocean Edge

1. Call to order

Meeting was called to order at 6:30PM

2. Declaration of a Quorum

All present

3. Recording Statement

Noted

4. Chair announcements

On March 15, 2023, Massachusetts Governor Maura Healy announce that the State's Covid-19 public health emergency will end effective May 11, 2023 to align with the Federal public health emergency. New legislation has been filed to maintain flexibility and staffing in the healthcare and emergency medical services industries.

AVH- emergency protocols that were put in place will end opportunities for different types of funding. Testing and vaccinations for Covid are still available at most pharmacies and Cape Cod Healthcare. Covid vaccines will be offered with the flu vaccine in the fall. Barnstable County Nursing Program has vaccine in stock if someone is looking for a pop-up clinic and they will be ramping up in the fall when the flu/covid season hits. The Town is still distributing Covid test kits for anyone that needs them.

KCP-spoke about the annual renewal for Mass Health.

5. Citizen's forum

None

6. Annual Small Wastewater Treatment Facilities report"
***Chris Vigneau-Weston/Sampson – Ocean Edge**

CV-Ocean Edge had a good year with only 1 exceedance of BOD in January. There were no maintenance issues.

7. Art & Judy Arnold – 2149 Main Street – request to allow new operator to open restaurant prior to replacement of a failed septic system

The septic system has failed at the property.

AA- a design plan still has not been received from the engineer. Hoping to have it done soon. There are buyers interested in the property but have not signed a deal yet. They would like to be able to have a new owner open for the summer season.

AG-asked if they had a mitigation plan to include inspections and pumping as required. She is concerned with the grease trap.

AA-that has not been lined up yet.

DB-concerned that the inspection was done in January and the pits were full then and nothing has been done since. He asked when the restaurant was last in operation.

AA-it has been closed since last November. The operator of the restaurant was in charge of pumping and maintenance of the system, and he did not know when the last time it was pumped was.

KCP- would like to see a mitigation plan submitted in writing.

DB-would like to see something in writing prior to the Board's approval of this.

AG-asked if there was a timeline with the engineer on when plans would be done and when the installation would take place.

AA-not yet.

AVH-if there was an existing business that had a system in failure, she would not close them down.

CC-if the current owners can commit to pumping every other day as needed, she would feel comfortable with allowing the restaurant to open.

There was discussion back and forth with the Board.

Motion: Continue this until the next BOH meeting so that a septic plan can be submitted and a proposal for how the owners would like to run the restaurant with a failed system for the season. A written commitment to the BOH to protect the interests of public health during the operation of a restaurant that has a failed septic system is what they would be looking for.

DB-tanks need to be pumped, grease trap needs to be power washed and cleaned, d-box needs to be replaced, leaching pits need to be pumped, side wall conditions need to be inspected and an operator, at a frequency that would be no less than twice a week initially to see what the flow looks like, to pump it when it gets to 85% of the capacity of the septic tank. Otherwise, make a recommendation that if the leach pit somehow still has leaching capacity, what you would do to make sure there wasn't an actual overflow.

Motion: David Bennett **Second:** Kimberley Crocker Pearson **Vote:** 5-0 **Action:** Motion passed

8. Jamie Norcross -Representing new owners of "Guapo's" – request to allow owners to open restaurant prior to replacement of failed septic system

Jamie Norcross, Attorney for purchases of Guapo's told the Board that the septic system is in failure. Dig It Construction is working on a septic plan. They still need to decide on an installer. They would like to be able to operate the restaurant for the season with the failed system.

JN-stated that Cape Cod Septic Inspection recommended having an inspection in May, prior to the start of the season and also monthly inspections, which should be sufficient to determine the systems functionality. Pumping should be done as necessary. The owners have engaged Cape Cod Septic Inspection to do this going forward. The system is functioning on some level and the grease trap was empty.

AG-asked about the leaking septic tank and if there was any plan to fix that before opening.

JN-not currently, but if that is a request of the Board, it can be investigated.

DB-asked what the basis was for the failure.

JN- a leak in the tank and hydraulic failure with the leaching.

DB-stated he would be comfortable with this proposal as long as the tank was fixed prior to opening.

KCP-concerned with the pit and the fact that the restaurant has been closed for an extended period of time.

DB-would like to see reports submitted within 48 hours of inspection. It could be as easy as an email to the Health Department.

Motion: Grant temporary operation of the restaurant with the condition that the septic tank is repaired before the restaurant opens and the inspection of the system takes place weekly for a month and then less frequently based on the observations reported. The reports are to be provided by email with 48 hours of the inspection.

Motion: David Bennett **Second:** Penny Holeman **Vote:** 5-0 **Action:** Motion passed

9. Ocean Edge Resort, 2907 Main Street – Request approval for continued use of existing outdoor food service establishment venue associated with the Front Lawn Operation

Philip Flath, Executive Chef for Ocean Edge stated that they had been providing outdoor dining for the last few years during Covid and would like to be able to continue this for the foreseeable future.

SM-kitchens are all in good standing, sheds have all that is needed to operate. Most food is shuttled out from the kitchens. There will be a cover from the shed to the oven on the lawn. The outdoor seating capacity is still within the septic system limits.

PF-this would be a seasonal operation. Memorial Day to Columbus Day.

Motion: Approve the proposal based on the recommendation of the Health Agent and compliance with the State Sanitary Code.

Motion: David Bennett **Second:** Penny Holeman **Vote:** 5-0 **Action:** Motion passed

10. Nomination of Animal Inspectors (Sherrie McCullough and Lynda Brogden Burns)

AVH- this is a requirement of the State every year. It involves quarantine and barn census and inspections.

Motion: Nominate Sherrie McCullough and Lynda Brogden Burns for Animal Inspectors.

Motion: Penny Holeman **Second:** Kimberley Crocker Pearson **Vote:** 5-0 **Action:** Motion passed

11. Liaison Reports

AG- Recycling Commission did not meet.

KCP-WQRC met and discussed annual reports. No new permits were issued.

DB- WQTF did not meet.

12. Matters not reasonably anticipated by the Chair

None.

13. Items for next agenda

AG-I/A information.

14. Next meeting: April 19, 2023

Noted.

Informational items were noted.

Meeting adjourned at 7:45PM



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Health Department

Amy L. von Hone, R.S., C.H.O.
Director

Sherrie McCullough, R.S.
Assistant Director

Tammi Mason
Senior Department Assistant

Board of Health Meeting
Wednesday, April 19, 2023 at 6:30PM
Town Hall, Room A

Board members present: Annette Graczewski, MT (ASCP), Chair; Kimberley Crocker Pearson, MS, MD, MPH, Vice Chair; Penny Holeman, MPH, MA, MS; David Bennett and Casey D. Chatelain

Others present: Amy von Hone, R.S., C.H.O., Health Director

1. Call to order

Meeting was called to order at 6:30PM.

2. Declaration of a Quorum

All present.

3. Recording Statement

Noted.

4. Chair announcements

The Brewster Police Department will be holding a blood drive on 4/28/23 from 11AM – 5PM. Appointments are required and can be made by visiting the donor portal at capecodhealthcare.com

Beautify Brewster will take place on 4/29/23 (rain date of 4/30/23). For information on volunteering, contact Ryan Burch of the Natural Resource Department or Meg Morris from the Recycling Commission.

A reminder for the BOH members who have not completed their ethics training. Please do so within the next couple of weeks.

5. Citizen's forum

None.

6. Consent Agenda:

*** 122 North Pond Drive- 300' setback**

AG-this is a 10' variance request from the 300' setback requirement from the pond under the local BOH regulations. A Title 5 Septic System inspection was performed in February of 2023 for the purpose of a real estate transfer. The inspection report noted that the 1983 system was functioning as designed but was located within the 300' setback to Blueberry Pond. The 3 bedroom dwelling is down gradient of the pond and the leach pit is greater than 4' above groundwater. The system is compliant with the 1978 Code. Approval was done in-house.

Motion: Approve the consent agenda.

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Motion: Penny Holeman

Second: Kimberley Crocker Pearson

Vote: 5-0

Action: Motion passed

7. Continued discussion and possible vote on Pressure Dosed System Enforcement letter

AG- this was brought up at a BOH meeting in February. It was intended to be used as an educational tool for homeowners and not as a means of enforcement.

The letter has had some revisions.

PH-asked for a refresher as to why this is moving forward.

AG-it is a requirement under Title 5 and before the BOH first discussed it, AVH and I met with George Heufelder. She noted that she came away from that meeting thinking that this letter may not be necessary. She is concerned with the new Department of Environmental Protection (DEP) changes coming forward and the fact that homeowners may be asked to spend a lot of money to add something to their septic systems.

DB- believes that if there is a regulation and there is reason behind it (which there is), then he is good with the letter and he doesn't think regulations should be made if they are not enforced. He believes the letter should be sent out.

AG-stated that she and DB looked at some of the I/A system files in the Health Department and did find some reports that were being done.

KCP-asked if the Board should start with commercial properties. Suggested starting enforcement in stages and a phased approach may be a better way to go.

AVH-this will impact the office. She is concerned with questions the dept. may get and how to answer them. Expenses may be an issue. She thinks that in general, this is not being enforced and stated that there is nothing specified in Title 5 as to the type of inspection required for it. She asked if the BOH was looking for a full Title 5 inspection report or something modified.

AG-spoke about a 1-page form that was found in one of the files that she looked at that may be more appropriate to use instead of a full Title 5 inspection report.

PH-would like to add something to the letter regarding how this is an important piece to maintaining a very expensive system.

There was discussion on the letter.

PH- went over changes she would like to see in the letter.

More discussion on changes to the letter.

Motion: Bring the letter with new comments included to the next Board meeting.

Motion: David Bennett

Second: Casey D. Chatelain

Vote: 5-0

Action: Motion passed

8. Discussion on I/A technology Noncompliance Enforcement Policy and Flow Chart

AG-asked the Board if they want to develop a policy relative to the Board's approach to dealing with individuals who have I/A technology in the ground who are not compliant with the requirements for nitrogen or phosphorus removal and, after having developed a policy, do we want to begin to review those that are not compliant or do we want to move forward right out of the box looking at those properties that we know to be non-compliant based on the County reporting.

DB- produced a flow chart previously with regards to what we would do if someone is out of compliance.

AG-stated that she and DB went through a number of files to determine why I/A systems were installed, etc.

DB & AG -thought that it would be appropriate to bring in some of the files to the next meeting for the BOH to review.

KCP- asked how this would interact with the management at the County level.

DB- it will all go through the local BOH.

PH- suggested the Board send a 1st letter telling the homeowner that if the report is received by a certain date, they won't have to come before the Board.

AVH-the Board needs to define the 2 major categories that we will be dealing with:

1. Those that don't have a contract or have an expired contract
2. Those with systems that have a contract and testing in place but are not compliant

AG-2 letters usually go out and then they would be required to come before the Boar. That doesn't happen often. The second part is: what are we going to do with someone that has a contract in place and does testing and inspections but is still not meeting the numbers. Do we bring them before the Board?

CC-yes, that is what should be happening.

There was discussion about this among the Board members.

Motion: Carry the flow chart and this discussion to the next meeting

Motion: David Bennett **Second:** Kimberley Crocker Pearson **Vote:** 5-0 **Action:** Motion passed

9. Review and approve minutes from 1/4/23 and 2/1/23 meetings

AG-on the 1/4/23 meeting minutes there is a typo on page 2.

AG-on the 2/1/23 meeting minutes (with regards to Stephen Brown's property), a statement from Davis Walters, Building Commissioner was made that "there were no health violations". She believes that this was misinterpreted and should state that there are "no serious health and safety concerns".

Motion: Approve the 1/4/23 & 2/1/23 meeting minutes with corrections.

Motion: Penny Holeman **Second:** Kimberley Crocker Pearson **Vote:** 5-0 **Action:** Motion passed

10. Liaison Reports

AG- the Recycling Commission met yesterday and noted that there will be 2 warrant articles on the May Town Meeting:

1. Ban on Nip Bottles (recommended by the Recycling Commission)
2. Citizens petition regarding Plastic Reduction Act (full article is included in the warrant booklet)

KCP- WQRC did not meet.

DB- WQTF did meet and there was a presentation given by the Commission on their water initiative and working with the Ponds Coalition. There is also a budget article for investigation of Walkers Pond.

PH – the COA had a Soft Skills Training course that was attended by most of the COA's on the Cape.

11. Matters not reasonably anticipated by the Chair

KCP- April 22, 2023 is National Pharmaceutical Day. Residents can bring unused prescriptions to the Police Department.

DB- noted that he attended the MEHA training and stated that the County has the capability to test for PFA's. He believes the public needs to be educated on this.

He also spoke about the Opioid epidemic and the settlement money that is being distributed currently. 40% of the money is going to the towns and he thinks that the town should advocate where this money goes.

AVH- met with Peter Lombardi, Town Manager and the Police and Fire Chiefs about this. There isn't a large enough amount of money to create a position to deal with the crisis, but things are still up for discussion. She is hopeful that it will be used to help citizens dealing with this addiction.

KCP- asked about people carrying Naloxone. She would like to see a fund to make it available to whoever needs it.

12. Items for next agenda

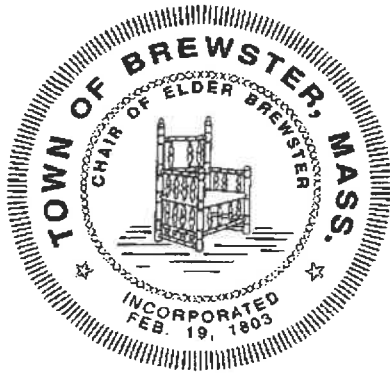
DB would like to put the Opioid settlement on the next agenda.

13. Next meeting: May 3, 2023

Noted.

Informational items were noted.

Meeting adjourned at 8:05PM



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Director

Sherrie McCullough, R.S.
Assistant Director

Tammi Mason
Senior Department Assistant

Board of Health Meeting
Wednesday, May 3, 2023 at 6:30PM
Town Hall, Room A

Board members present: Annette Graczewski, MT (ASCP), Chair; Kimberley Crocker Pearson, MS, MD, MPH, Vice Chair; Penny Holeman, MPH, MA, MS; David Bennett and Casey D. Chatelain

Others present: Amy von Hone, R.S., C.H.O., Health Director, David Schlesinger, Clerk, Great Cape Coop, Stephen Brown (Virtual), owner of 2624-2628 Main Street

1. Call to order

The meeting was called to order at 6:30PM.

2. Declaration of a Quorum

All present.

3. Recording Statement

Noted.

4. Chair announcements

The Federal Drug Administration and the Centers for Disease Control, in collaboration with State and Local partners, are investigating an outbreak of Hepatitis A virus infections linked to frozen organic strawberries sold under multiple brand labels by a variety of retailers including Trader Joes. If you purchased organic tropical blend from Trader Joes with best buy dates of late April, May, or early June of 2024, they should be discarded. More information regarding this recall is available on the Department of Public Health's website.

The Brewster Council on Aging will be holding their 2nd annual Community Wellness Fair on Friday, May 19, 2023 from 2-4:30PM at the Brewster Baptist Church. Town Departments and local service providers will offer a variety of wellness programs and assistance. Please see the event flyer for more details. It can be found online at the COA website, or you can call the COA at 508-896-2737.

AVH- The Brewster Baptist Church Caring Nurses have coordinated a Covid vaccine booster clinic to take place at the wellness fair. Pre-registration is suggested. If there are any doses left, they will take walk-ins. The link will be posted on the Town's website.

5. Citizen's forum

None.

6. Update and discussion on remaining violations at 2624-2628 Main Street

Stephen Brown was present virtually and David Schlesinger was present in person.

DS-asked the Board how he could get access to the grey/green cottage and to have the condemnation signs removed. He stated that they want to use it for storage, and it would not be used for human habitation.

AG-asked about the shower and cooking facilities in the cottage. DS stated that the power and water have been shut off.

AVH- there are no other issues under the health code but there may still be Zoning issues.

DS-the zoning stipulation is that the cottage is on the property line. The way to resolve that is to combine the 2 properties. They have spoken to an attorney, but nothing has been done yet.

AVH-the agreement that was reached between Town Counsel and Mr. Brown's & the COOP's attorney stipulates that the parties agreed that the unpermitted grey structure on the property violates yard setback requirements of the Town's Zoning Bylaw and cannot lawfully be used or occupied as habitable space or as a dwelling unit under said Zoning Bylaw.

DS-Conservation and Building would want some type of permit for it to be a legal structure.

AG-asked what the requirement for reversing a condemnation order as per the regulation was.

AVH-typically, it would mean a re-inspection to determine if it could be re-inhabited, but in this case, they are not planning on inhabiting it, so there wouldn't be an issue as far as the Housing Code and the violations that were there. It would just be a matter of the Board releasing the condemnation order.

KCP - asked if there were any concerns about danger issues with the cottage.

AVH – no.

DB – doesn't see this as an issue if they are not planning on inhabiting it.

CC-asked how the water and power were disconnected.

DS – water is capped, and the wires are disconnected from the breaker.

AG – asked AVH what other things were outstanding with this property.

AVH- gave a summary of what has been going on.

- December 22, 2022 was when an order to correct violations was issued for all the violations found on the property
- January 16, 2023 – received a complaint from an abutter regarding the unlicensed rooster and chickens on the property and the excess noise generated by the rooster
- January 18, 2023 -the BOH held an appeal hearing at the request of the property manager in response to the order to correct violations letter. At that meeting, the BOH voted to uphold the violations that were stated in the order to correct
- January 25, 2023 – gained access to the property to confirm correction of any violations that had been noted in the December letter and to list any violations that were still non-compliant. A summary letter was generated of both the appeal hearing and the inspections, and was given to the owner
- February 1, 2023 – the BOH held a hearing on the occupancy of the campers that were on site and the grey/green shed, which had been used for human habitation. The BOH deemed the campers and shed uninhabitable and posed a danger to the health and safety of the occupants.
- February 6, 2023 – Health Department staff, along with the Building Department and Police and Fire Departments went back to the property to condemn the campers and shed. All those structures were posted as condemned.
- February 7, 2023 – Health Department received another complaint about the rooster and chickens and excess noise

- February 10, 2023 – I received an email update from David Schlesinger that Michael Foster’s camper had been removed from the property. A reminder email was sent in response outlining the remaining violations that needed to be corrected in the Burgess House rental units
- March 6, 2023 – another email update from David Schlesinger regarding the removal of Stephen Brown’s camper that had been sold. The Great Cape Coop was still working on getting rid of the camper owned by Tina Sylvester (which is not occupied)
- March 14, 2023 – received an inquiry letter from Stephen Brown regarding the use of the condemned shed for spring seedling activities
- March 16, 2023 – Health Department responded back to Stephen Brown and David Schlesinger reminding them of outstanding violations to be corrected. Primarily in the Burgess House and the required animal permit for the rooster and chickens
- April 18, 2023 – another email from the Health Department to Stephen Brown and David Schlesinger regarding lack of response from the email a month prior about the outstanding violations that still needed to be addressed
- April 26, 2023 – email response from Stephen Brown to the Health Department regarding the April 18, 2023 email. Mr. Brown requested to come before the Board

There are still outstanding violations: unlicensed roosters and chickens and minor repairs on the second floor of the Burgess House (2 Air B & B units).

AG-asked if the Coop was still moving forward with licensing the chickens if the property is up for sale.

DS-stated that they are still waiting for the wetland’s delineation before a sale.

AVH-stated that she received a call from Bill Grafton, Conservation Agent, in which he stated that the wetland lines are being reviewed and have not been formerly approved by the Conservation Commission. He doesn’t think the wetland line that would directly affect the setback distances to the chicken coop would change dramatically to move the setback that the BOH is looking for.

SB-stated that he had given Michael Foster, owner of the chickens, until Sunday night to remove them.

AG-stated that she did understand why they wanted to take the condemned signs down but is still concerned about the use of the shed.

Motion: Approve the removal of the boards from the windows and doors of the shed so it can be used for storage (not for human habitation) as based on the settlement agreement, with the provisions of the Planning Board.

Motion: David Bennett **Second:** Penny Holeman **Vote:** 5-0 **Action:** Motion carried

7. Discussion and possible vote on Pressure Dose Education letter

AG-had a few more changes that she would like to see.

DB-asked if this letter was going to all pressure dosed system owners or just under 2000 gpd systems.

The Board thought it should go to both.

Discussion on the letter and its content.

Changes will be made and brought back to the next Board meeting.

8. Opioid funding discussion

Funds from settlements have been distributed to Towns, which is supposed to be used to help people who have been affected. Peter Lombardi, Town Manager, has told AVH that a group will be pulled together to have discussions on how best to leverage the funds that were allocated for this region. The BOH was invited to participate and a liaison to that group may be appropriate.

KCP & DB both agree that there should be a liaison.

9. Brewster Conservation Day discussion

The theme is "Native Plants, Healthy Habits". KCP will be representing the Natural Resource Advisory Committee and will be doing a child-friendly activity that will consist of showing the kids how to grow a seed. After the activity, the kids will need to wash their hands and she would like to partner with the BOH to have a handwashing demonstration. They will also be doing a talk for adults on exposure to poison ivy. AVH stated that she could get sample packets of Tech-NU. AG suggested bringing materials about I/A systems and ponds.

10. Consent Agenda:

a. 50 Pine View Drive

- Failed system
- Proposed system is with 300' of the pond
- SAS is downgradient from pond
- Proposed system will provide better treatment than what is there

b. 239 Underpass Road

- Failed system
- Looking for relief from the 36" maximum cover for the SAS and d-box, up to an additional 36"

c. 466 Paines Creek Road

- Failed system
- Looking for relief from the 20" setback requirement between the SAS and the bulkhead

Motion: Approve consent agenda

Motion: Penny Holeman **Second:** Casey D. Chatelain **Vote:** 5-0 **Action:** Motion carried

11. Review & approve minutes from 2/15/23 & 3/15/23 meetings

Motion: Approve minutes from 2/15/23 & 3/15/23

Motion: Casey D. Chatelain **Second:** Kimberley Crocker Pearson **Vote:** 5-0 **Action:** Motion carried

12. Liaison Reports

AG, Recycling Commission – Beautify Brewster was a great success, and the Nip Bottle Ban was approved at Town Meeting.

KCP, Water Quality Review Committee – have not met.

DB, Water Quality Task Force - there is a meeting next week.

13. Matters not reasonably anticipated by the Chair

AG stated that this was her last meeting as a BOH member and wanted to thank AVH, the Board and the residents of Brewster for all their support.

DB-thanked both AG and CC.

AVH thanked both AG and CC for all their support while they were on the Board.

14. Items for next agenda

None.

15. Next meeting: May 17, 2023

Noted.

Informational items were noted.

Meeting adjourned at 7:45PM

Hallmark

MADE WITH PAPER FROM
WELL-MANAGED FORESTS



5-4-23

Dear Amy, Sherie, Tammi
and Bob,

Thank you all for
your very thoughtful gift.
It has been my pleasure
to work with all of you
these past several
years. I'll look forward
to watching my beautiful
Azalea bloom every year
and will think of you
all sincerely
Aunt



Consumer Confidence Report Certification

For calendar year 2022

A. PWS Information

Important: When filling out forms on the computer, use only the tab key to move your cursor - do not use the return key.



Brewster Water Department
PWS Name

Brewster
City /Town

The community water system named above hereby certifies that its Consumer Confidence Report (CCR) was distributed to customers, appropriate agencies, and notices of availability have been given in compliance with 310 CMR 22.16A. Furthermore, the system certifies that the information contained in the report is correct and consistent with the compliance monitoring data previously submitted to MassDEP.

I certify under penalty of law that I am the person authorized to fill out this form and the information contained herein is true, accurate, and complete to the best of my knowledge and belief.

MA4041000
PWS ID#

Paul Anderson
Name

Superintendent
Title

508-896-5454
Phone #

5/5/2023
Date

508-896-5454
Phone #

5/5/2023
Date

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Signature of Owner/Responsible Party or Certified Operator

B. Public Notice Certification

CCR delivery by newspaper or postings does not meet PN requirements. PN must be directly delivered (by hand, land, electronic).

Is this system using this CCR to provide Tier 3 Public Notice? Yes No

What PN is included? Violation UCMR3 Other

Did you have a consultation with MassDEP? Yes No

The PN can be found on page 3 of the CCR.

I am reporting multiple Tier 3 PNs. I have listed the additional PN information at the end of this form.

The public water system indicated above hereby affirms that a Tier 3 public notice has been provided within this CCR to consumers in accordance with 310 CMR 22.16(4) including: delivery, content, format requirements, notification deadlines, and that the public water system will meet future requirements for notifying new billing units and new customers of the violation.

C. For Systems Selling Water to Other Community Water Systems

My system delivered the applicable information required at 310 CMR 22.16A(3), to the buying system(s) no later than April 1st of this year, or by the mutually agreed upon date specifically included in a written contract between the parties.

D. Annual Cross Connection Education

Is this CCR being used for your system's annual cross-connection education? Yes No
If no, what methods did you use to meet your annual CCCP requirements (citation)? Annual Brewster

Continued on next page

ALL distribution (posting, land or e-delivery, publication, and good faith efforts) must be completed on or before July 1st.

E. Consumer Delivery Methods – Based on Population Served

For systems serving fewer than 500 persons:
(Choose #1 or #2)

Date of delivery/publication

1. My system used one or more of the following methods to notify customers that the CCR would not be mailed directly to them but is available to them upon request. (A copy of the notice is attached).

Land mail Door-to-door Newspaper eMail Post notices

Locations of posted notices

2. My system provided a copy of the CCR to each customer by the following method(s):

Published the full CCR in a local newspaper (the published report is attached).

Land mailed or hand-delivered the CCR to consumers.

eMailed with PDF of CCR or eMailed with embedded CCR (email is attached)

Posted the CCR on the web and sent the direct URL to customers by way of mail or email (notice is attached).

List URL

For systems serving between 500 and 9,999 persons:
(Choose #1 or #2)

Date of delivery/publication

1. My system provided a copy of the CCR to each customer by

Land mail eMail with PDF eMail with embedded CCR

Land mailed or eMailed a notice of availability of the CCR with a direct URL

List the URL if used.

2. My system provided the CCR to each customer by publishing the full report in a newspaper (a copy of the published CCR is attached) and provided notice to consumers of this action by either:

Published a notice of this in a local newspaper

Land mailed a notice of this to consumers.

e-Mailed a notice of this to consumers.

For systems serving 10,000 or more persons:

6/23/2022

Date of delivery/publication

- My system provided a copy of the CCR to each customer by:

Land mail eMail with PDF eMail with embedded CCR

Land mailed or eMailed a notice of availability of the CCR with a direct URL

ccr.brewster-ma.gov

List the URL if used.

- In addition to one of the delivery methods checked above, my system serves greater than 100,000 persons and, as required, has posted the CCR on a publicly accessible Internet site:

www.

List the URL used

F. Good Faith Delivery Methods (minimum of 3 is required)

To reach people who drink our water but are not billed customers the following were conducted in addition to the required delivery:

- Posted the CCR on a publicly accessible Internet site at the following address. (Only for systems under 100,000 population who did not use this method as their primary method)

www.brewster-ma.gov

List the URL used.

- Mailed the CCR to all postal patrons within the service area (list of zip codes used is attached).

When email is used for delivery, any returned emails must be re-delivered by land delivery ideally within 3 days but before July 1.

Instructions for customers to request a hard copy must also be included in e-delivery.

When a URL is used it must be a direct link to the document.

- Mailed a postcard listing the URL where the CCR can be found, to all postal patrons within the service area (list of zip codes used is attached).

WWW.

List the URL used.

- Advertised availability of the CCR in the following news media (the announcement is attached):
 Radio Newspaper Television / cable Social media
 Digital signboard

- Published the CCR in local newspaper (the published CCR is attached).

- Posted the CCR in public places i.e., post office, town hall, library (a list of locations is attached).

- Delivered multiple CCR copies to single-bill addresses serving several persons i.e., apartments, businesses, large private employers (a list of locations is attached).

- Delivered multiple CCR copies to community organizations (A list of organizations is attached.)

- Posted the CCR or a notice of availability at locations within the apartment/condo complex (list of the locations is attached).

- Other

G. Mandatory Agency Delivery Requirements

Agencies and consumers must receive CCR on or before July 1.

When emailing, scan documents into 1 PDF file. Make sure Cert form is the first page.

Only one email is necessary. If the CCR is e-delivered to the Boston office it will also be accessible to the regional office as well. No need to e-deliver to regional office.


- | | | |
|-------------------------------------|---|----------------------------|
| <input checked="" type="checkbox"/> | 1. Delivered 1 copy of CCR and the Certification Form to local board of health. (Contact your board of health as to whether they would prefer land or e-delivery of CCR.) | 5/5/2023
Date completed |
| <input checked="" type="checkbox"/> | 2. Delivered 1-copy of CCR and the Certification Form to MA Dept. of Public Health.
<input type="checkbox"/> Hardcopy to: 250 Washington St.; Boston, MA 02108 or
<input checked="" type="checkbox"/> PDF emailed to: dph.ccr@massmail.state.ma.us | 5/5/2023
Date completed |
| <input checked="" type="checkbox"/> | 3. Delivered 1-copy of CCR, the Certification Form, and all the attachments check-marked in this form to the MassDEP Boston Office at:
<input type="checkbox"/> Hardcopy to: CCR Program, 1 Winter St. -5 th Fl.; Boston, MA 02108 or
<input checked="" type="checkbox"/> PDF emailed to: Program.Director-DWP@state.ma.us . | 5/5/2023
Date completed |
| <input type="checkbox"/> | 4. If not emailed to the MassDEP Boston Office, delivered 1-copy of CCR, the Certification Form, and all the attachments check-marked in this form to your MassDEP regional office at:
<input type="checkbox"/> Hardcopy to: MassDEP-WERO; Statehouse West 4 th Floor; 436 Dwight Street.; Springfield, MA 01103
<input type="checkbox"/> Hardcopy to: MassDEP-CERO; 8 New Bond St; Worcester, MA 01606
<input type="checkbox"/> Hardcopy to: MassDEP-NERO; 205-B Lowell St.; Wilmington, MA 01887
<input type="checkbox"/> Hardcopy to: MassDEP-SERO; 20 Riverside Dr.; Lakeville, MA 02347 | Date completed |



**Massachusetts Department of Environmental Protection
Drinking Water Program
Public Notification**

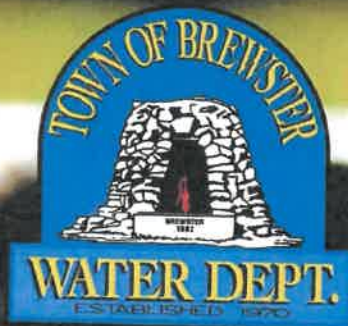
CERTIFICATION

Make sure to send your regional office of the DEP Drinking Water Program and local Board of Health a copy of each type of notice and a certification that you have met all the public notice requirements within ten days after issuing the notice (310 CMR 22.15(3)(b)). When you certify, you are also stating that you will meet future requirements for notifying new units of the violation.

PWS ID: 4041000		City/Town: Brewster	
PWS Name: Brewster Water Department		<input checked="" type="checkbox"/> Community	<input type="checkbox"/> Non-community
Purpose: Violation <input type="checkbox"/> or UCMR3 <input checked="" type="checkbox"/>			
Describe:			
Occurring on: 6/26/2018 Date(s) of violation or dates of UCMR sampling			
The public water system indicated above hereby affirms that public notice has been provided to consumers in accordance with 310 CMR 22.16 including: delivery, content, format requirements, notification deadlines and that the public water system will meet future requirements for notifying new billing units and new customers of the violation.			
<input type="checkbox"/> Consultation with DEP on _____ date			
<input checked="" type="checkbox"/> Notice distributed by CCR on 5/5/2023 and website on 5/5/2023 method date method date			
<i>I certify under penalty of law that I am the person authorized to fill out this form and the information contained herein is true, accurate and complete to the best of my knowledge and belief.</i>			
5/5/2023 date	Paul Anderson name		
 Signature of owner or operator			

ANNUAL WATER QUALITY REPORT

Reporting Year 2022



Presented By
Brewster Water Department

PWS ID#: 4041000



Our Mission Continues

We are once again pleased to present our annual water quality report covering all testing performed between January 1 and December 31, 2022. Over the years, we have dedicated ourselves to producing drinking water that meets all state and federal standards. We continually strive to adopt new methods for delivering the best-quality drinking water to you. As new challenges to drinking water safety emerge, we remain vigilant in meeting the goals of source water protection, water conservation, and community education, while continuing to serve the needs of all our water users. Please remember that we are always available should you ever have any questions or concerns about your water.

Hazardous Waste Collection 2023

The tritown hazardous waste collection program, which includes the towns of Harwich and Chatham, will continue in 2023. The Saturday collection dates for this year are May 13, June 10, July 8, August 12, September 9, and October 14.

Collections are from 9:00 a.m. to noon at the Harwich Transfer Station, 209 Queen Anne Road. There is no fee for residents and taxpayers of participating towns. Thanks to the Town of Harwich and Harwich Transfer Station staff for hosting this great activity! For more information, visit www.loveyourlocalwater.org or call Barnstable County Hazardous Materials Program, (508) 375-6699.

Community Participation

You are invited to participate in our public forum and voice your concerns about your drinking water. The Board of Water Commissioners meets the first Friday of each month at 11:00 a.m. at Town Hall, 2198 Main Street, Brewster.

Important Health Information

Some people may be more vulnerable to contaminants in drinking water than the general population. Immunocompromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants may be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. The U.S. EPA/CDC (Centers for Disease Control and Prevention) guidelines on appropriate means to lessen the risk of infection by *Cryptosporidium* and other microbial contaminants are available from the Safe Drinking Water Hotline at (800) 426-4791 or <http://water.epa.gov/drink/hotline>.



Lead in Home Plumbing

If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. We are responsible for providing high-quality drinking water, but we cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to two minutes before using water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline at (800) 426-4791 or at www.epa.gov/safewater/lead.



Source Water Description

The town has five groundwater wells pumping from the Monomoy Lens, one of the six groundwater lenses that make up the Cape Cod Sole Source Aquifer. Each of the well sites has a large town-owned tract of land surrounding it for water quality protection. Activity is restricted to passive recreation on town wellfield acreage.

Wells 1 and 2, located near Route 6 south of Freeman's Way, were constructed in 1971 and are about 76 feet deep. Well 3, near Route 6 north of Freeman's Way, was built in 1986 and is about 90 feet deep. Well 4, at the north edge of the Punkhorn Parklands off Run Hill Road, was built in 1991 and is about 101 feet deep. Well 6 (the fifth well site) is in the southern Punkhorn area and was built in 2012; it is approximately 121 feet deep. The town treats the water for corrosion control and to remove iron and manganese.

QUESTIONS?

For more information about this report, or for any questions relating to your drinking water, please call Paul Anderson, Water Superintendent, at (508) 896-5454.

Substances That Could Be in Water

To ensure that tap water is safe to drink, the Department of Environmental Protection (DEP) and the U.S. Environmental Protection Agency (U.S. EPA) prescribe regulations limiting the amount of certain contaminants in water provided by public water systems. The Food and Drug Administration (FDA) and Massachusetts Department of Public Health (DPH) regulations establish limits for contaminants in bottled water, which must provide the same protection for public health. Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of these contaminants does not necessarily indicate that the water poses a health risk.

The sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs, and wells. As water travels over the surface of the land or through the ground, it dissolves naturally occurring minerals and, in some cases, radioactive material and can pick up substances resulting from the presence of animals or from human activity. Substances that may be present in source water include:

Microbial Contaminants, such as viruses and bacteria, which may come from sewage treatment plants, septic systems, agricultural livestock operations, or wildlife;

Inorganic Contaminants, such as salts and metals, which can be naturally occurring or may result from urban stormwater runoff, industrial or domestic wastewater discharges, oil and gas production, mining, or farming;

Pesticides and Herbicides, which may come from a variety of sources such as agriculture, urban stormwater runoff, and residential uses;

Organic Chemical Contaminants, including synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum production, and which may also come from gas stations, urban stormwater runoff, and septic systems;



Radioactive Contaminants, which can be naturally occurring or may be the result of oil and gas production and mining activities.

More information about contaminants and potential health effects can be obtained by calling the U.S. EPA's Safe Drinking Water Hotline at (800) 426-4791.

A Note about Tetrachloroethylene

Detections occur where vinyl-lined water mains were installed in the 1970s. Vinyl-lined, asbestos cement pipe was used in a number of subdivisions until the compound was detected in 1979. Brewster, along with other Massachusetts towns with similar piping, flushes and monitors under a DEP-approved program to deal with the problem. There are 6.3 miles of the affected pipe in Brewster's 126-mile water distribution system. All locations have bleeders to control the level of the contaminant. The samples are taken after the last service on each street. This gives the worst-case scenario for contaminant concentration. The water entering most homes served by these pipes should be well below reported levels. For specific area sample results, please call the Brewster Water Department.

The following location is served by affected pipe and had detectable tetrachloroethylene, as noted in the data table: Heritage Loop.

The following streets had results below the laboratory detection limit: Ambergris Circle West, Ambergris Circle East, Damon Road, Woodstock Drive, Bog Pond Road, Bridle Path Road, Carriage Drive, Great Fields Road from Pine Bluff Road north to the end of the water main, Harmony Lane, Highridge Road, John Wings Lane, Linda Circle, Oakwood Road, Pleasant Court, Wagon Wheel Lane, Whiffletree Avenue, Wynn Way, Gages Way North, Puritan Drive, Stonehenge Drive, Nathan's Pasture Way.

Source Water Assessment

A source water assessment was completed in Brewster in 2003 by DEP's Drinking Water Program. The susceptibility of the town's wells, as determined during the assessment, is as follows: Wells 1 through 3 were rated high, and Wells 4 and 6 were rated moderate. While these assessments are serious, the reason for the determination is the lack of underground or geological formations, such as a clay layer, that would create a hydrological barrier to possible contamination. This is not a new issue for a good part of Cape Cod due to its sand-and-gravel composition. It is important to understand that this susceptibility rating does not imply poor water quality, only the system's potential to become contaminated within the assessment area. The town has wellhead protection regulations and a groundwater protection district in place to oversee land use. If you would like a copy of our assessment, please feel free to contact our office during regular business hours at (508) 896-5454.

Definitions

90th %ile: Out of every 10 homes sampled, 9 were at or below this level. This number is compared to the Action Level to determine lead and copper compliance.

AL (Action Level): The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.

MCL (Maximum Contaminant Level): The highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment technology.

MCLG (Maximum Contaminant Level Goal): The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.

MRDL (Maximum Residual Disinfectant Level): The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.

MRDLG (Maximum Residual Disinfectant Level Goal): The level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contaminants.

NA: Not applicable.

ND (Not detected): Indicates that the substance was not found by laboratory analysis.

ppb (parts per billion): One part substance per billion parts water (or micrograms per liter).

ppm (parts per million): One part substance per million parts water (or milligrams per liter).

SMCL (Secondary Maximum Contaminant Level): These standards are developed to protect aesthetic qualities of drinking water and are not health based.

Test Results

Our water is monitored for many different kinds of substances on a very strict sampling schedule, and the water we deliver must meet specific health standards. Here, we only show those substances that were detected in our water (a complete list of all our analytical results is available upon request). Remember that detecting a substance does not mean the water is unsafe to drink; our goal is to keep all detects below their respective maximum allowed levels.

The state recommends monitoring for certain substances less than once per year because the concentrations of these substances do not change frequently. In these cases, the most recent sample data are included, along with the year in which the sample was taken.

REGULATED SUBSTANCES										
SUBSTANCE (UNIT OF MEASURE)	YEAR SAMPLED	MCL [MRDL]	MCLG [MRDLG]	AMOUNT DETECTED	RANGE LOW-HIGH	VIOLATION	TYPICAL SOURCE	YEAR SAMPLED	AMOUNT DETECTED	RANGE LOW-HIGH
Barium (ppm)	2020	2	2	0.0076	ND-0.0076	No	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits			
Chlorine (ppm)	2022	[4]	[4]	0.4	0.1-0.4	No	Water additive used to control microbes			
Haloacetic Acids [HAAs]-Stage 1 (ppb)	2022	60	NA	1.76	ND-1.76	No	By-product of drinking water disinfection			
Nitrate (ppm)	2021	10	10	1.7	0.10-1.7	No	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits			
Nitrite (ppm)	2020	1	1	0.21	0.12-0.21	No	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits			
Perchlorate (ppb)	2022	2	NA	0.22	ND-0.22	No	Inorganic chemicals used as oxidizers in solid propellants for rockets, missiles, fireworks, and explosives			
Tetrachloroethylene (ppb)	2022	5	0	0.79	0.54-0.79	No	Discharge from factories and dry cleaners			
TTHMs [total trihalomethanes]-Stage 1 (ppb)	2022	80	NA	14.0	5.4-14.0	No	By-product of drinking water disinfection			
Xylenes (ppm)	2022	10	10	0.0008	ND-0.0008	No	Discharge from petroleum factories; Discharge from chemical factories			
Tap water samples were collected for lead and copper analyses from sample sites throughout the community										
SUBSTANCE (UNIT OF MEASURE)	YEAR SAMPLED	AL	MCLG	AMOUNT DETECTED (90TH %ILE)	RANGE LOW-HIGH	VIOLATION	TYPICAL SOURCE	SITES ABOVE AL/TOTAL SITES	VIOLATION	TYPICAL SOURCE
Copper (ppm)	2020	1.3	1.3	0.15	0/31	No	Corrosion of household plumbing systems; Erosion of natural deposits	0/31	No	
Lead (ppb)	2020	15	0	2.9	0/31	No	Lead service lines; Corrosion of household plumbing systems, including fittings and fixtures; Erosion of natural deposits	0/31	No	
SECONDARY SUBSTANCES										
SUBSTANCE (UNIT OF MEASURE)	YEAR SAMPLED	SMCL	MCLG	AMOUNT DETECTED	RANGE LOW-HIGH	VIOLATION	TYPICAL SOURCE	YEAR SAMPLED	AMOUNT DETECTED	RANGE LOW-HIGH
Manganese (ppb)	2022	50 ¹	NA	58	7-58	No	Leaching from: natural deposits			
Sulfate (ppm)	2019	250	NA	15	6.8-15	No	Runoff/leaching from natural deposits; Industrial wastes			
UNREGULATED SUBSTANCES ²										
SUBSTANCE (UNIT OF MEASURE)	YEAR SAMPLED	AMOUNT DETECTED	RANGE LOW-HIGH	TYPICAL SOURCE	SUBSTANCE (UNIT OF MEASURE)	YEAR SAMPLED	AMOUNT DETECTED	RANGE LOW-HIGH	TYPICAL SOURCE	
Bromochloromethane (ppb)	2022	14	ND-14	By-product of drinking water chlorination	Bromide (ppb)	2018	42.9	23.8-42.9	NA	
Bromoform (ppb)	2022	3.6	ND-3.6	By-product of drinking water chlorination	Bromochloroacetic Acid (ppb)	2018	0.46	0.31-0.46	NA	
Chlorodibromomethane (ppb)	2022	12	ND-12	By-product of drinking water chlorination	Dibromoacetic Acid (ppb)	2018	1.2	0.37-1.2	NA	
Chloroform (ppb)	2022	14	ND-14	Naturally present in the environment	Dichloroacetic Acid (ppb)	2018	0.63	0.49-0.63	NA	
Sodium (ppm)	02/11/2020	21	11-21	Salt used in snow removal						

¹Manganese is a naturally occurring mineral found in rocks, soil groundwater, and surface water. Manganese is necessary for proper nutrition and part of a healthy diet, but it can have undesirable effects on certain sensitive populations at elevated concentrations. U.S. EPA and DEP have established public health advisory levels for manganese to protect against concerns of potential neurological effects.

²Unregulated contaminants are those for which the U.S. EPA has not established drinking water standards. The purpose of unregulated contaminant monitoring is to assist U.S. EPA in determining their occurrence in drinking water and whether future regulation is warranted.

PLEASE REMEMBER TO:
WRITE YOUR ACCOUNT NUMBER ON YOUR CHECK.
IF PAYING FOR MULTIPLE PROPERTIES SUBMIT INDIVIDUAL CHECKS.

Additional Contact Information:

In the event of an emergency at your property, the Brewster Water Department may share your contact information with the Brewster Police and Fire Departments. Your information is not available to the public.

Phone: _____ Email: _____

BREWSTER WATER DEPARTMENT
165 Commerce Park Road
Brewster MA 02631

Office hours are Monday through Friday 7:30 AM – 4:00 PM

WATER BILLS ARE MAILED TWICE A YEAR BASED ON THE BILLING PERIODS OF
JANUARY – JUNE and JULY – DECEMBER.

FEES & CHARGES

The Brewster Water Commissioners are in full support of the continuing efforts of the town to purchase vacant land within critical drinking water protective areas. It is in the spirit of this progressive planning that a portion of revenue collected from water rates will be set aside for future land purchases.

WATER RATES: **Effective January 1, 2016**

WATER USAGE: Step 1: \$2.27 per 1,000 gallons from 0 to 5,000 gallons of usage per billing.
Step 2: \$4.86 per 1,000 gallons over 5,000 gallons of usage per billing.

SYSTEM MAINTENANCE FEE - based on meter size:

5/8" or 3/4"	\$ 60.00 per billing.
1"	\$ 115.00 per billing.
1 1/2"	\$ 145.00 per billing.
2"	\$ 175.00 per billing.
3"	\$ 225.00 per billing.

Please note: The System Maintenance Fee is a minimum charge regardless of water consumption. The purpose of this minimum charge is to recover the costs associated with the daily operation of the department.

FIRE LINE FEE: 2" Line \$80.00 per billing
 4" – 8" Line \$160.00 per billing

SEASONAL FEE: Call-in appointment: \$25.00 per removal or install service
 Balance must be paid in full for seasonal turn on.

Payment Plans: Previous balance must be paid in full, must be established shortly after billing statements are mailed out and will be divided into as many months possible up to 6 months. See website for details under FAQ section.

PAST DUE ACCOUNTS:
A 14% annual interest charge is applied on or after the 15th of each month to past due accounts after 45 days of bill issuance.
To avoid missed payments and late fees register your account through the Brewster Water Department website at the following URL: payments.brewster-ma.gov.

COMPLETE RATES, REGULATIONS & SERVICES ARE AVAILABLE AT THE WATER DEPARTMENT OFFICE AND ARE SUBJECT TO CHANGE BY VOTE OF THE WATER COMMISSIONERS.

In an effort to conserve postage, the Annual Brewster Water Department Consumer Confidence Report is now available online at the following URL: ccr.brewster-ma.gov.

BREWSTER WATER DEPARTMENT

CCR DELIVERY SITES

Brewster Town Hall, 2198 Main Street

Brewster Ladies Library, 1822 Main Street

Brewster Fire, 1667 Main Street

Brewster Police Department, 631 Harwich Road

COA, 1673 Main Street

Brewster Green Clubhouse, 203 Lund Farm Way

Ocean Edge Mansion, 2907 Main Street

Ocean Edge Fitness Center, 2907 Main Street

The Woodlands, 383 South Orleans Road

Epoch Assisted Living, 655 Harwich Road

Kirfin Grover Sales & Rentals 1990 Main St

Leighton Realty, 1060 Main Street

Old Cape Sotheby's International, 2404 Main Street

Old Sea Pine Inn, 2553 Main Street

Joe Mamas Bagels etc 2740 Main Street



TOWN OF BREWSTER

WATER DEPARTMENT



Cynthia Barren
Susan Brown
Doug Wilcock
William Porter
Board of Water Commissioners

Paul Anderson
Superintendent

Posted on Town Web site and on Community Access Channel:

In an effort to conserve postage, the 2019 Brewster Water Department Consumer Confidence Report is now available online at the following URL: ccr.brewster-ma.gov. A copy can be obtained at the Brewster Water Department located at 165 Commerce Park as well as at the following locations: Town Hall, Ladies Library, Fire Department, Police Department, Council on Aging, Brewster Green Clubhouse, Ocean Edge Mansion, Ocean Edge Fitness Center, The Woodlands, Maplewood at Brewster, Kinlin Grover Sales and Rentals, Leighton Realty, Old Cape Sotheby's International, Old Sea Pines Inn.

Seth Ritchie Promotion

165 Commerce Park Rd • BREWSTER, MA 02631 • 508-896-5454 • FAX 508-896-4517



Massachusetts Department of Environmental Protection

eDEP Transaction Copy

Here is the file you requested for your records.

To retain a copy of this file you must save and/or print.

Username: **SFARRENKOPF**

Transaction ID: **1562529**

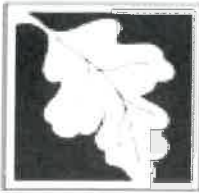
Document: **Groundwater Discharge Monitoring Report Forms**

Size of File: **1026.15K**

Status of Transaction: **In Process**

Date and Time Created: **5/10/2023:11:12:41 AM**

Note: This file only includes forms that were part of your transaction as of the date and time indicated above. If you need a more current copy of your transaction, return to eDEP and select to "Download a Copy" from the Current Submittals page.



Groundwater Permit

DAILY LOG SHEET

746
1. Permit Number
[REDACTED]
2. Tax identification Number
2023 APR DAILY
3. Sampling Month & Frequency

A. Facility Information

Important: When filling out forms on the computer, use only the tab key to move your cursor - do not use the return key.



1. Facility name, address:

PLEASANT BAY HEALTH CTR

a. Name

383 SOUTH ORLEANS ROAD

b. Street Address

BREWSTER MA 02631

c. City

d. State

e. Zip Code

2. Contact information:

JOSEPH SMITH

a. Name of Facility Contact Person

7742125005 jsmith@nsuwater.com

b. Telephone Number

c. e-mail address

3. Sampling information:

4/1/2023 NOT APPLICABLE

a. Date Sampled (mm/dd/yyyy)

b. Laboratory Name

BEA/NSU WWTO PERSONNEL

c. Analysis Performed By (Name)

B. Form Selection

1. Please select Form Type and Sampling Month & Frequency

Daily Log Sheet - 2023 Apr Daily

- All forms for submittal have been completed.
- This is the last selection.
- Delete the selected form.



Groundwater Permit
DAILY LOG SHEET

746
1. Permit Number
2. Tax identification Number
2023 APR DAILY
3. Sampling Month & Frequency

C. Daily Readings/Analysis Information

Date	Effluent Flow GPD	Reuse Flow GPD	Irrigation Flow GPD	Turbidity	Influent pH	Effluent pH	Chlorine Residual (mg/l)	UV Intensity (%)
1	10890							
2	10890							
3	10857					6.5		69.2
4	8072					6.6		66.6
5	8856					6.8		66.5
6	8576					6.8		66.5
7	10941					6.8		66.7
8	10941							
9	10941							
10	8662					6.6		66.8
11	12366					6.5		69.2
12	12828					6.7		69.2
13	7852					6.7		66.6
14	9175					6.7		66.6
15	9175							
16	9175							
17	10457					6.8		74.2
18	16000					7.2		70.3
19	13470					6.4		66.6
20	12405					6.3		66.6
21	15345					6.6		66.6
22	15345							
23	15345							
24	17164					6.7		66.6
25	8744					6.6		74.3
26	15196					6.8		69.2
27	11182					6.8		66.7
28	15176					6.9		74.3
29	15176							
30	15176							
31								



Groundwater Permit
DISCHARGE MONITORING REPORT

746
1. Permit Number
[REDACTED]
2. Tax identification Number
2023 APR MONTHLY
3. Sampling Month & Frequency

A. Facility Information

Important:When filling out forms on the computer, use only the tab key to move your cursor - do not use the return key.



1. Facility name, address:

PLEASANT BAY HEALTH CTR

a. Name

383 SOUTH ORLEANS ROAD

b. Street Address

BREWSTER MA 02631

c. City

d. State

e. Zip Code

2. Contact information:

JOSEPH SMITH

a. Name of Facility Contact Person

7742125005 jsmith@nsuwater.com

b. Telephone Number

c. e-mail address

3. Sampling information:

4/6/2023 ALPHA ANALYTICAL

a. Date Sampled (mm/dd/yyyy)

b. Laboratory Name

ALPHA ANALYTICAL PERSONNEL

c. Analysis Performed By (Name)

B. Form Selection

1. Please select Form Type and Sampling Month & Frequency

Discharge Monitoring Report - 2023 Apr Monthly

All forms for submittal have been completed.

2. This is the last selection.

3. Delete the selected form.



Groundwater Permit
DISCHARGE MONITORING REPORT

746
1. Permit Number
[REDACTED]
2. Tax identification Number
2023 APR MONTHLY
3. Sampling Month & Frequency

D. Contaminant Analysis Information

- For "0", below detection limit, less than (<) value, or not detected, enter "ND"
- TNTC = too numerous to count. (Fecal results only)
- NS = Not Sampled

1. Parameter/Contaminant	2. Influent	3. Effluent	4. Effluent Method Detection limit
Units			
BOD	150	ND	2.0
MG/L			
TSS	73	ND	5.0
MG/L			
TOTAL SOLIDS	340	210	13
MG/L			
AMMONIA-N	19.7		
MG/L			
NITRATE-N		5.6	0.10
MG/L			
TOTAL NITROGEN(NO3+NO2+TKN)		6.88	0.450
MG/L			
OIL & GREASE		ND	4.0
MG/L			
FECAL COLIFORM		ND	2.0
/100 ML			
CHLORIDE		46	1.0
MG/L			



Groundwater Permit
MONITORING WELL DATA REPORT

746
1. Permit Number
[REDACTED]
2. Tax identification Number
2023 APR MONTHLY
3. Sampling Month & Frequency

A. Facility Information

Important:When filling out forms on the computer, use only the tab key to move your cursor - do not use the return key.



1. Facility name, address:

PLEASANT BAY HEALTH CTR

a. Name

383 SOUTH ORLEANS ROAD

b. Street Address

BREWSTER MA 02631

c. City

d. State

e. Zip Code

2. Contact information:

JOSEPH SMITH

a. Name of Facility Contact Person

7742125005 jsmith@nsuwater.com

b. Telephone Number

c. e-mail address

3. Sampling information:

4/6/2023 NOT APPLICABLE

a. Date Sampled (mm/dd/yyyy)

b. Laboratory Name

BEA/NSU WWTO PERSONNEL

c. Analysis Performed By (Name)

B. Form Selection

1. Please select Form Type and Sampling Month & Frequency

Monitoring Well Data Report - 2023 Apr Monthly

All forms for submittal have been completed.

2. This is the last selection.

3. Delete the selected form.



746
 1. Permit Number
 2. Tax identification Number
 2023 APR MONTHLY
 3. Sampling Month & Frequency

C. Contaminant Analysis Information

- For "0", below detection limit, less than (<) value, or not detected, enter "ND"
- TNTC = too numerous to count. (Fecal results only)
- NS = Not Sampled
- DRY = Not enough water in well to sample.

Parameter/Contaminant	DG-1	DG-2	DG-4	UG-1		
Units	Well #: 1	Well #: 2	Well #: 3	Well #: 4	Well #: 5	Well #: 6
PH	5.85	6.17	6.38	6.16		
S.U.						
STATIC WATER LEVEL	12.63	12.69	12.62	12.87		
FEET						
SPECIFIC CONDUCTANCE	0.6	353	0.7	146.2		
UMHOS/C						



ANALYTICAL REPORT

Lab Number:	L2318284
Client:	Bennett Environmental Associates 1573 Main Street Brewster, MA 02631
ATTN:	Joseph Smith
Phone:	(508) 896-1706
Project Name:	PLEASANT BAY
Project Number:	K47810DA.S.VV.700
Report Date:	04/13/23

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com



Project Name: PLEASANT BAY
Project Number: K47810DA.S.WW.700

Lab Number: L2318284
Report Date: 04/13/23

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2318284-01	INFLUENT	WATER	BREWSTER, MA	04/06/23 13:27	04/06/23
L2318284-02	EFFLUENT	WATER	BREWSTER, MA	04/06/23 13:40	04/06/23
L2318284-03	EFFLUENT	WATER	BREWSTER, MA	04/06/23 14:00	04/06/23



Project Name: PLEASANT BAY
Project Number: K47810DA.S.WW.700

Lab Number: L2318284
Report Date: 04/13/23

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name: PLEASANT BAY
Project Number: K47810DA.S.WW.700

Lab Number: L2318284
Report Date: 04/13/23

Case Narrative (continued)

Coliform, Fecal (MF)

L2318284-03: The sample has an elevated detection limit due to the dilution required by the method.

Nitrogen, Ammonia

WG1764609: A Matrix Spike and Laboratory Duplicate were prepared with the sample batch, however, the native sample was not available for reporting; therefore, the results could not be reported.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: *Tiffani Morrissey* - Tiffani Morrissey

Title: Technical Director/Representative

Date: 04/13/23

INORGANICS & MISCELLANEOUS

Project Name: PLEASANT BAY
Project Number: K47810DA.S.VVW.700

Lab Number: L2318284
Report Date: 04/13/23

SAMPLE RESULTS

Lab ID: L2318284-01
Client ID: INFLUENT
Sample Location: BREWSTER, MA

Date Collected: 04/06/23 13:27
Date Received: 04/06/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	340		mg/l	13	NA	1.3	-	04/10/23 04:09	121,2540B	DEW
Solids, Total Suspended	73		mg/l	14	NA	2.9	-	04/12/23 14:47	121,2540D	CVN
Nitrogen, Ammonia	19.7		mg/l	0.750	-	10	04/10/23 14:45	04/13/23 14:10	121,4500NH3-BH	AAA
BOD, 5 day	150		mg/l	30	NA	15	04/08/23 11:34	04/13/23 11:20	121,5210B	JRG



Project Name: PLEASANT BAY
Project Number: K47810DA.S.WW.700

Lab Number: L2318284
Report Date: 04/13/23

SAMPLE RESULTS

Lab ID: L2318284-02
Client ID: EFFLUENT
Sample Location: BREWSTER, MA

Date Collected: 04/06/23 13:40
Date Received: 04/06/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	210		mg/l	13	NA	1.3	-	04/10/23 04:09	121,2540B	DEW
Solids, Total Suspended	ND		mg/l	5.0	NA	1	-	04/12/23 14:47	121,2540D	CVN
Chloride	46.		mg/l	1.0	--	1	-	04/10/23 23:50	121,4500CL-E	TLH
Nitrogen, Nitrite	ND		mg/l	0.050	--	1	-	04/07/23 04:12	44,353.2	KAF
Nitrogen, Nitrate	5.6		mg/l	0.10	--	1	-	04/07/23 04:12	44,353.2	KAF
Nitrogen, Total Kjeldahl	1.28		mg/l	0.300	--	1	04/12/23 03:45	04/13/23 14:30	121,4500NH3-H	AAA
BOD, 5 day	ND		mg/l	2.0	NA	1	04/08/23 11:34	04/13/23 11:20	121,5210B	JRG
Oil & Grease, Hem-Grav	ND		mg/l	4.0	--	1	04/13/23 03:57	04/13/23 06:34	140,1664B	MCU



Project Name: PLEASANT BAY
Project Number: K47810DA.S.WW.700

Lab Number: L2318284
Report Date: 04/13/23

SAMPLE RESULTS

Lab ID: L2318284-03
Client ID: EFFLUENT
Sample Location: BREWSTER, MA

Date Collected: 04/06/23 14:00
Date Received: 04/06/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Microbiological Analysis - Westborough Lab										
Coliform, Fecal (MF)	ND		col/100ml	2.0	NA	2	-	04/06/23 20:15	121,9222D	DRV



Project Name: PLEASANT BAY
Project Number: K47810DA.S.WW.700

Lab Number: L2318284
Report Date: 04/13/23

Method Blank Analysis
Batch Quality Control

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analys
Microbiological Analysis - Westborough Lab for sample(s): 03 Batch: WG1763736-1									
Coliform, Fecal (MF)	ND	col/100ml	1.0	NA	1	-	04/06/23 20:15	121,9222D	DRV
General Chemistry - Westborough Lab for sample(s): 02 Batch: WG1763768-1									
Nitrogen, Nitrite	ND	mg/l	0.050	--	1	-	04/07/23 02:54	44,353.2	KAF
General Chemistry - Westborough Lab for sample(s): 02 Batch: WG1763771-1									
Nitrogen, Nitrate	ND	mg/l	0.10	--	1	-	04/07/23 02:59	44,353.2	KAF
General Chemistry - Westborough Lab for sample(s): 01-02 Batch: WG1764210-1									
BOD, 5 day	ND	mg/l	2.0	NA	1	04/08/23 11:34	04/13/23 11:20	121,5210B	JRG
General Chemistry - Westborough Lab for sample(s): 01-02 Batch: WG1764565-1									
Solids, Total	ND	mg/l	10	NA	1	-	04/10/23 04:09	121,2540B	DEW
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG1764609-1									
Nitrogen, Ammonia	ND	mg/l	0.075	--	1	04/10/23 14:45	04/13/23 13:36	121,4500NH3-BH	AAA
General Chemistry - Westborough Lab for sample(s): 02 Batch: WG1764881-1									
Chloride	ND	mg/l	1.0	--	1	-	04/10/23 22:24	121,4500CL-E	TLH
General Chemistry - Westborough Lab for sample(s): 02 Batch: WG1765537-1									
Nitrogen, Total Kjeldahl	ND	mg/l	0.300	--	1	04/12/23 03:45	04/13/23 14:27	121,4500NH3-H	AAA
General Chemistry - Westborough Lab for sample(s): 01-02 Batch: WG1765885-1									
Solids, Total Suspended	ND	mg/l	5.0	NA	1	-	04/12/23 14:47	121,2540D	CVN
General Chemistry - Westborough Lab for sample(s): 02 Batch: WG1766069-1									
Oil & Grease, Hem-Grav	ND	mg/l	4.0	--	1	04/13/23 03:57	04/13/23 05:57	140,1664B	MCU

Lab Control Sample Analysis

Batch Quality Control

Project Name: PLEASANT BAY

Lab Number: L2318284

Project Number: K47810DA.S.WW.700

Report Date: 04/13/23

Parameter	LCS		LCS		%Recovery		RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual	Limits	Limits			
General Chemistry - Westborough Lab	Associated sample(s): 02	Batch: WG1763768-2							
Nitrogen, Nitrite	100	-	90-110		-				20
General Chemistry - Westborough Lab	Associated sample(s): 02	Batch: WG1763771-2							
Nitrogen, Nitrate	100	-	90-110		-				
General Chemistry - Westborough Lab	Associated sample(s): 01-02	Batch: WG1764210-2							
BOD, 5 day	95	-	85-115		-				20
General Chemistry - Westborough Lab	Associated sample(s): 01-02	Batch: WG1764565-2							
Solids, Total	91	-	80-120		-				
General Chemistry - Westborough Lab	Associated sample(s): 01	Batch: WG1764609-2							
Nitrogen, Ammonia	104	-	80-120		-				20
General Chemistry - Westborough Lab	Associated sample(s): 02	Batch: WG1764881-2							
Chloride	103	-	90-110		-				
General Chemistry - Westborough Lab	Associated sample(s): 02	Batch: WG1765537-2							
Nitrogen, Total Kjeldahl	102	-	78-122		-				



Lab Control Sample Analysis
Batch Quality Control

Project Name: PLEASANT BAY
Project Number: K47810DA.S.VVW.700

Lab Number: L2318284
Report Date: 04/13/23

Parameter	LCS %Recovery	LCS %Recovery	LCS %Recovery	RPD	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 Batch: WG1765885-2					
Solids, Total Suspended	82	-	80-120	-	
General Chemistry - Westborough Lab Associated sample(s): 02 Batch: WG1766069-2					
Oil & Grease, Hem-Grav	83	-	78-114	-	18



Matrix Spike Analysis
Batch Quality Control

Project Name: PLEASANT BAY
Project Number: K47810DA.S.VWV.700

Lab Number: L2318284
Report Date: 04/13/23

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 02				QC Batch ID: WG1763768-4	QC Sample: L2318283-01	QC Sample: L2318283-01	Client ID: MS Sample		
Nitrogen, Nitrite	0.31	4	4.6	107	-	-	80-120	-	20
General Chemistry - Westborough Lab Associated sample(s): 02				QC Batch ID: WG1763771-4	QC Sample: L2318283-01	QC Sample: L2318283-01	Client ID: MS Sample		
Nitrogen, Nitrate	4.1	4	8.7	115	Q	-	83-113	-	6
General Chemistry - Westborough Lab Associated sample(s): 01-02				QC Batch ID: WG1764210-4	QC Sample: L2318750-02	QC Sample: L2318750-02	Client ID: MS Sample		
BOD, 5 day	ND	100	91	91	-	-	50-145	-	35
General Chemistry - Westborough Lab Associated sample(s): 02				QC Batch ID: WG1764881-4	QC Sample: L2316437-06	QC Sample: L2316437-06	Client ID: MS Sample		
Chloride	47	20	67	100	-	-	58-140	-	7
General Chemistry - Westborough Lab Associated sample(s): 02				QC Batch ID: WG1765537-4	QC Sample: L2318474-02	QC Sample: L2318474-02	Client ID: MS Sample		
Nitrogen, Total Kjeldahl	0.455	8	8.35	99	-	-	77-111	-	24
General Chemistry - Westborough Lab Associated sample(s): 02				QC Batch ID: WG1766069-4	QC Sample: L2318248-01	QC Sample: L2318248-01	Client ID: MS Sample		
Oil & Grease, Hem-Grav	ND	39.6	35	88	-	-	78-114	-	18



Lab Duplicate Analysis Batch Quality Control

Project Name: PLEASANT BAY
Project Number: K47810DA.S.WW.700

Lab Number: L2318284
Report Date: 04/13/23

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab	Associated sample(s): 02	QC Batch ID: WG1763768-3	QC Sample: L2318283-01	Client ID: DUP Sample		
Nitrogen, Nitrite	0.31	0.29	mg/l	7		20
General Chemistry - Westborough Lab	Associated sample(s): 02	QC Batch ID: WG1763771-3	QC Sample: L2318283-01	Client ID: DUP Sample		
Nitrogen, Nitrate	4.1	4.1	mg/l	0		6
General Chemistry - Westborough Lab	Associated sample(s): 01-02	QC Batch ID: WG1764210-3	QC Sample: L2318750-02	Client ID: DUP Sample		
BOD, 5 day	ND	ND	mg/l	NC		35
General Chemistry - Westborough Lab	Associated sample(s): 01-02	QC Batch ID: WG1764565-3	QC Sample: L2317692-01	Client ID: DUP Sample		
Solids, Total	500	520	mg/l	4		16
General Chemistry - Westborough Lab	Associated sample(s): 02	QC Batch ID: WG1764881-3	QC Sample: L2316437-06	Client ID: DUP Sample		
Chloride	47	46	mg/l	2		7
General Chemistry - Westborough Lab	Associated sample(s): 02	QC Batch ID: WG1765537-3	QC Sample: L2318474-02	Client ID: DUP Sample		
Nitrogen, Total Kjeldahl	0.455	0.526	mg/l	14		24
General Chemistry - Westborough Lab	Associated sample(s): 01-02	QC Batch ID: WG1765885-3	QC Sample: L2318421-01	Client ID: DUP Sample		
Solids, Total Suspended	140	140	mg/l	0		32
General Chemistry - Westborough Lab	Associated sample(s): 01-02	QC Batch ID: WG1765885-4	QC Sample: L2318440-03	Client ID: DUP Sample		
Solids, Total Suspended	200	210	mg/l	5		32
General Chemistry - Westborough Lab	Associated sample(s): 02	QC Batch ID: WG1766069-3	QC Sample: L2318218-02	Client ID: DUP Sample		
Oil & Grease, Hem-Grav	ND	ND	mg/l	NC		18



Serial_No:04132319:30
 Lab Number: L2318284
 Report Date: 04/13/23

Project Name: PLEASANT BAY
 Project Number: K47810DA.S.WW.700

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler A Custody Seal Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2318284-01A	Plastic 500ml H2SO4 preserved	A	<2	<2	3.8	Y	Absent		NH3-4500(28)
L2318284-01B	Plastic 950ml unpreserved	A	7	7	3.8	Y	Absent		TSC-2540(7),BOD-5210(2)
L2318284-01C	Plastic 950ml unpreserved	A	7	7	3.8	Y	Absent		TSS-2540(7)
L2318284-02A	Plastic 250ml H2SO4 preserved	A	<2	<2	3.8	Y	Absent		TKN-4500(28)
L2318284-02B	Plastic 950ml unpreserved	A	7	7	3.8	Y	Absent		TSC-2540(7),CL-4500(28),NO2-353(2),NO3-353(2),BOD-5210(2)
L2318284-02C	Plastic 950ml unpreserved	A	7	7	3.8	Y	Absent		TSS-2540(7)
L2318284-02D	Amber 1000ml HCl preserved	A	NA		3.8	Y	Absent		OG-1664(28)
L2318284-02E	Amber 1000ml HCl preserved	A	NA		3.8	Y	Absent		OG-1664(28)
L2318284-03A	Bacteria Cup Na2S2O3 preserved	A	NA		3.8	Y	Absent		F-COLI-MF(.33)
L2318284-03B	Bacteria Cup Na2S2O3 preserved	A	NA		3.8	Y	Absent		F-COLI-MF(.33)

Project Name: PLEASANT BAY
Project Number: K47810DA.S.WW.700

Lab Number: L2318284
Report Date: 04/13/23

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
	Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: Data Usability Report



Project Name: PLEASANT BAY
Project Number: K47810DA.S.WW.700

Lab Number: L2318284
Report Date: 04/13/23

Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

Report Format: Data Usability Report



Project Name: PLEASANT BAY
Project Number: K47810DA.S.WW.700

Lab Number: L2318284
Report Date: 04/13/23

Data Qualifiers

- ND** - Not detected at the reporting limit (RL) for the sample.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- V** - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)
- Z** - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Project Name: PLEASANT BAY
Project Number: K47810DA.S.WW.700

Lab Number: L2318284
Report Date: 04/13/23

REFERENCES

- 44 Methods for the Determination of Inorganic Substances in Environmental Samples, EPA/600/R-93/100, August 1993.
- 121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.
- 140 Method 1664, Revision B: N-Hexane Extractable Material (HEM; Oil & Grease) and Silica Gel Treated N-Hexane Extractable Material (SGT-HEM; Non-polar Material) by Extraction and Gravimetry, EPA-821-R-10-001, February 2010.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at its own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility

EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625/625.1: alpha-Terpineol
EPA 8260C/8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D/8270E: NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.

Mansfield Facility

SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87, 101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water

EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Collert-QT, SM9222D.**

Non-Potable Water

SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1:** Ammonia-N, **LCHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.
Microbiology: **SM9223B-Collert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water

EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1 Hg. EPA 522, EPA 537.1.**

Non-Potable Water

EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

CHAIN OF CUSTODY

PAGE 1 OF 1



Westborough, MA
 Mansfield, MA
 TEL: 508-898-9220 TEL: 508-822-9360
 FAX: 508-898-9193 FAX: 508-822-3888

Client Information

Client: Bennett Environmental Associates
 Address: 1573 Main Street
 Brewster MA 02631

Turn-Around Time

Standard Rush (ONLY IF PRE-APPROVED)

Due Date: _____ Time: _____

These samples have been previously analyzed by Alpha

Other Project Specific Requirements/Comments/Detection Limits:

Date Rec'd in Lab: 4/6/23 ALPHA Job #: L2318284

Report Information Data Deliverables Billing Information

FAX EMAIL Same as Client info PO #: 47810DA.S
 ADEX Add'l Deliverables

Regulatory Requirements/Report Limits

Statewide Program *Chems*

ANALYSIS

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initiate	ANALYSIS							Sample Specific Comments			
		Date	Time			BOD, TS	NH3	TSS	BOD, TS, Nitrate, Nitrite, Chloride	Oil & Grease	TKN	Fecal Coliform				
19214-01	Influent	4/6/23	1327	WW	SCS	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	TOTAL # BOTTLES	
02	Effluent	4/6/23	1340	WW	SCS	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		3
03	Effluent	4/6/23	1400	WW	SCS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		5
						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	7	
						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	10	

SAMPLE HANDLING
 F/In/Top
 Done
 Not Needed
 Lab to do
 Preservation
 Lab to do (Please specify below)

Container Type

Preservative

Relinquished By:

Date/Time

Received By

Date/Time

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms

Jeff Schmitt 4/6/23 1440
W. Dan Goble, Sr. 4/6/23 1844
W. Dan Goble, Sr. 4/6/23 1844

April 20, 2023

Bryan Webb (via email)
Ocean Edge Resort
2907 Main Street
Brewster, MA 02631

**RE: Ocean Edge Resort Wastewater Treatment Facility
Monthly Operations Report – March 2023**

Dear Mr. Webb:

Enclosed please find the Monthly Operations Reporting Package for the Ocean Edge Resort wastewater treatment facility (WWTF) located at 832 Village Drive in Brewster, MA.

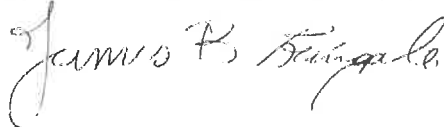
Weston & Sampson Services, Inc. would like to note the following:

- All regulated effluent parameters of samples collected throughout the month were reported to be within their respective permissible limits.
- Data was filed with MassDEP electronically, via eDEP. A copy of the transaction is included in this package.

If you have any questions or concerns regarding this report, or the wastewater treatment facility, please feel free to contact me at wsscompliance@wseinc.com.

Regards,

WESTON & SAMPSON SERVICES, INC.



James R. Tringale
Compliance Coordinator

cc: Brewster Board of Health (via email)
FR Mahony Associates (via email)



Massachusetts Department of Environmental Protection

eDEP Transaction Copy

Here is the file you requested for your records.

To retain a copy of this file you must save and/or print.

Username: WSSINC

Transaction ID: 1550484

Document: Groundwater Discharge Monitoring Report Forms

Size of File: 1026.69K

Status of Transaction: Submitted

Date and Time Created: 5/2/2023:9:08:17 AM

Note: This file only includes forms that were part of your transaction as of the date and time indicated above. If you need a more current copy of your transaction, return to eDEP and select to "Download a Copy" from the Current Submittals page.



Massachusetts Department of Environmental Protection
 Bureau of Resource Protection - Groundwater Discharge Program
Groundwater Permit
 DAILY LOG SHEET

633
 1. Permit Number
 [REDACTED]
 2. Tax identification Number
 2023 MAR DAILY
 3. Sampling Month & Frequency

A. Facility Information

Important:When filling out forms on the computer, use only the tab key to move your cursor - do not use the return key.



1. Facility name, address:

OCEAN EDGE CONFERENCE CTR

a. Name

ROUTE 6A

b. Street Address

BREWSTER

c. City

MA

d. State

02631

e. Zip Code

2. Contact information:

JAMES R. TRINGALE

a. Name of Facility Contact Person

9785321900

b. Telephone Number

WSSCompliance@wseinc.com

c. e-mail address

3. Sampling information:

3/1/2023

a. Date Sampled (mm/dd/yyyy)

ONSITE MEASUREMENTS

b. Laboratory Name

CHRIS VIGNEAU

c. Analysis Performed By (Name)

B. Form Selection

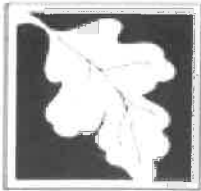
1. Please select Form Type and Sampling Month & Frequency

Daily Log Sheet - 2023 Mar Daily

All forms for submittal have been completed.

2. This is the last selection.

3. Delete the selected form.

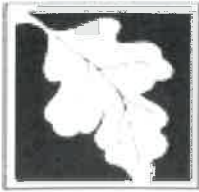


Massachusetts Department of Environmental Protection
 Bureau of Resource Protection - Groundwater Discharge Program
Groundwater Permit
 DAILY LOG SHEET

633
 1. Permit Number
 2. Tax identification Number
 2023 MAR DAILY
 3. Sampling Month & Frequency

C. Daily Readings/Analysis Information

Date	Effluent Flow GPD	Reuse Flow GPD	Irrigation Flow GPD	Turbidity	Influent pH	Effluent pH	Chlorine Residual (mg/l)	UV Intensity (%)
1	2398				7.08	7.57		
2	2410				7.04	7.62		
3	3458				7.02	7.54		
4	6108							
5	6108				7.07	7.48		
6	6285				7.00	7.44		
7	3595							
8	3595				7.02	7.41		
9	3265				7.05	7.39		
10	4621				7.01	7.43		
11	5658							
12	5658							
13	5658				7.08	7.45		
14	4039				7.09	7.49		
15	5372				7.12	7.57		
16	5062				7.14	7.52		
17	4631				7.09	7.58		
18	6162							
19	6162							
20	6162				7.16	7.51		
21	4131				7.11	7.43		
22	3288				7.14	7.42		
23	4613				7.12	7.48		
24	4699				7.08	7.55		
25	8308							
26	8308							
27	8308				7.10	7.64		
28	3248				7.13	7.57		
29	4199				7.06	7.51		
30	3236				7.02	7.49		
31	6228				7.08	7.47		



A. Facility Information

Important:When filling out forms on the computer, use only the tab key to move your cursor - do not use the return key.



1. Facility name, address:

OCEAN EDGE CONFERENCE CTR

a. Name

ROUTE 6A

b. Street Address

BREWSTER

c. City

MA

d. State

02631

e. Zip Code

2. Contact information:

JAMES R. TRINGALE

a. Name of Facility Contact Person

9785321900

b. Telephone Number

WSSCompliance@wseinc.com

c. e-mail address

3. Sampling information:

3/15/2023

a. Date Sampled (mm/dd/yyyy)

ONSITE MEASUREMENTS

b. Laboratory Name

CHRIS VIGNEAU

c. Analysis Performed By (Name)

B. Form Selection

1. Please select Form Type and Sampling Month & Frequency

Monitoring Well Data Report - 2023 Mar Monthly

All forms for submittal have been completed.

2. This is the last selection.

3. Delete the selected form.



Groundwater Permit
MONITORING WELL DATA REPORT

633
1. Permit Number
[REDACTED]
2. Tax identification Number
2023 MAR MONTHLY
3. Sampling Month & Frequency

C. Contaminant Analysis Information

- For "0", below detection limit, less than (<) value, or not detected, enter "ND"
- TNTC = too numerous to count. (Fecal results only)
- NS = Not Sampled
- DRY = Not enough water in well to sample.

Parameter/Contaminant	DG2	DG3	DG4	DG5	UG1	
Units	Well #: 1	Well #: 2	Well #: 3	Well #: 4	Well #: 5	Well #: 6
PH	6.90	7.00	6.80	6.60	7.00	
S.U.						
STATIC WATER LEVEL	46.4	45.2	42.6	47.5	40.8	
FEET						
SPECIFIC CONDUCTANCE	310	560	510	280	360	
UMHOS/C						



Massachusetts Department of Environmental Protection
 Bureau of Resource Protection - Groundwater Discharge Program
Groundwater Permit
 DISCHARGE MONITORING REPORT

633
 1. Permit Number
 [REDACTED]
 2. Tax identification Number
 2023 MAR MONTHLY
 3. Sampling Month & Frequency

A. Facility Information

Important:When filling out forms on the computer, use only the tab key to move your cursor - do not use the return key.



1. Facility name, address:

OCEAN EDGE CONFERENCE CTR
 a. Name
 ROUTE 6A
 b. Street Address
 BREWSTER MA 02631
 c. City d. State e. Zip Code

2. Contact information:

JAMES R. TRINGALE
 a. Name of Facility Contact Person
 9785321900 WSSCompliance@wseinc.com
 b. Telephone Number c. e-mail address

3. Sampling information:

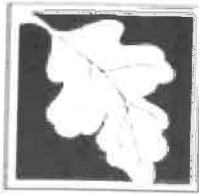
3/15/2023 RI ANALYTICAL
 a. Date Sampled (mm/dd/yyyy) b. Laboratory Name
 VARIOUS ANALYSTS
 c. Analysis Performed By (Name)

B. Form Selection

1. Please select Form Type and Sampling Month & Frequency

Discharge Monitoring Report - 2023 Mar Monthly

- All forms for submittal have been completed.
- 2. This is the last selection.
- 3. Delete the selected form.



Massachusetts Department of Environmental Protection
 Bureau of Resource Protection - Groundwater Discharge Program
Groundwater Permit
 DISCHARGE MONITORING REPORT

633
 1. Permit Number
 2. Tax Identification Number
 2023 MAR MONTHLY
 3. Sampling Month & Frequency

D. Contaminant Analysis Information

- For "0", below detection limit, less than (<) value, or not detected, enter "ND"
- TNTC = too numerous to count. (Fecal results only)
- NS = Not Sampled

1. Parameter/Contaminant	2. Influent	3. Effluent	4. Effluent Method Detection limit
Units			
BOD	90	16	10
MG/L			
TSS	120	17	2.0
MG/L			
TOTAL SOLIDS	460		
MG/L			
AMMONIA-N	3.1		
MG/L			
NITRATE-N		ND	0.050
MG/L			
TOTAL NITROGEN(NO3+NO2+TKN)		4.5	
MG/L			
OIL & GREASE		0.80	0.50
MG/L			



Massachusetts Department of Environmental Protection
 Bureau of Resource Protection - Groundwater Discharge Program
Groundwater Permit

633
 1. Permit Number
 2. Tax identification Number

Important: When filling out forms on the computer, use only the tab key to move your cursor - do not use the return key.



Any person signing a document under 314 CMR 5.14(1) or (2) shall make the following certification

If you are filing electronic-ally and want to attach additional comments, select the check box.

Facility Information

OCEAN EDGE CONFERENCE CTR
 a. Name
 ROUTE 6A
 b. Street Address
 BREWSTER MA 02631
 c. City d. State e. Zip Code

Certification

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

MARIANNA COOMBS 5/1/2023
 a. Signature b. Date (mm/dd/yyyy)

Reporting Package Comments



LABORATORY REPORT

WSS Inc.dba Weston & Sampson
Attn: Chris Vigneau
55 Walkers Brook Drive
Suite 100
Reading, MA 01867

Date Received: 3/15/2023
Date Reported: 3/28/2023
P.O. Number

Work Order #: 2303-04242

Project Name: PROJECT# 25364 OCEAN EDGE RESORT - MONTHLY

Enclosed are the analytical results and Chain of Custody for your project referenced above. The sample(s) were analyzed by our Warwick, RI laboratory unless noted otherwise. When applicable subcontracted results are noted and subcontracted reports are enclosed in their entirety.

All samples were analyzed within the established guidelines of US EPA approved methods with all requirements met, unless otherwise noted at the end of a given sample's analytical results or in a case narrative.

The Detection Limit is defined as the lowest level that can be reliably achieved during routine laboratory conditions.

These results only pertain to the samples submitted for this Work Order # and this report shall not be reproduced except in its entirety.

We certify that the following results are true and accurate to the best of our knowledge. If you have questions or need further assistance, please contact our Customer Service Department.

Approved by:

Brent Plant
Data Reporting

Laboratory Certification Numbers (as applicable to sample's origin state):
Warwick RI * RI LAI00033, MA M-RI015, CT PH-0508

R.I. Analytical Laboratories, Inc.

Laboratory Report

WSS Inc.dba Weston & Sampson

Work Order #: 2303-04242

Project Name: PROJECT# 25364 OCEAN EDGE RESORT - MONTHLY

Sample Number: 001
 Sample Description: INFLUENT
 Sample Type : COMPOSITE
 Sample Date / Time : 3/15/2023 @ 06:00

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	DATE/TIME ANALYZED	ANALYST
BOD 5	90	30	mg/L	SM5210B 21ed	3/16/2023 13:14	ABT
Total Suspended Solids	120	2.0	mg/L	SM2540D 2011	3/17/2023 14:25	KPG
Total Solids	460	10	mg/L	SM2540B 18-21ed	3/20/2023 21:50	JMF
Ammonia (as N)	3.1	0.40	mg/L	EPA 350.1	3/20/2023 9:20	VC

Sample Number: 002
 Sample Description: EFFLUENT
 Sample Type : COMPOSITE
 Sample Date / Time : 3/15/2023 @ 06:15

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	DATE/TIME ANALYZED	ANALYST
BOD 5	16	10	mg/L	SM5210B 21ed	3/16/2023 13:14	ABT
Total Suspended Solids	17	2.0	mg/L	SM2540D 2011	3/17/2023 14:25	KPG
Nitrite (as N)	<0.050	0.050	mg/L	EPA 300.0	3/16/2023 11:32	GR
Nitrate (as N)	<0.050	0.050	mg/L	EPA 300.0	3/16/2023 11:32	GR
TKN (as N)	4.5	0.50	mg/L	SM4500NOrg-D 18-21ed	3/20/2023 11:45	JCH

Sample Number: 003
 Sample Description: EFFLUENT
 Sample Type : GRAB
 Sample Date / Time : 3/15/2023 @ 06:30

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	DATE/TIME ANALYZED	ANALYST
Oil & Grease Gravimetric	0.80	0.50	mg/L	EPA 1664A	3/23/2023 10:40	RFK



CHAIN OF CUSTODY RECORD

41 Illinois Avenue
Warwick, RI 02888-3007
800-937-2380 • Fax: 401-738-1970 800-937-2580 • Fax: 978-568-0078

Date Collected	Time Collected	Field Sample Identification	Grab or Composite	# of Containers & Type ^c	Preservation Code ^p	Matrix Code ^m	BOD - Biochemical O ₂ Demand	TDS - Total Dissolved Solids	TSS - Suspended Solids	TS - Total Solids	NO ₂ - Nitrite Nitrogen as N	NO ₃ - Nitrate Nitrogen as N	TN - Total Nitrogen Calculation	TKN - Total Kjeldahl Nitrogen	NH ₃ - Ammonia Nitrogen as N	O-P - Ortho Phosphate	T-P - Total Phosphate	O&G - Oil & Grease (1664)	VOCs - method 624.1	Metals:	Fecal Coliform (MF)
3/15/23	6:00	INFILUENT	C	1P NP	NP	NP	X		X	X					X						
	6:00	INFILUENT	C	1P S	S	S															
	6:15	EFFLUENT	C	1P NP	NP	NP	X	X	X		X										
	6:15	EFFLUENT	C	1P S	S	S															
	6:30	EFFLUENT	G	1AG S	S	S															

OK

Client Information
 Company Name: WSS Inc., dba Weston & Sampson Services
 Address: 55 Walkers Brook Drive, Suite 100
 City / State / Zip: Reading, MA 01867
 Telephone: 978-532-1900 Fax: 978-977-0100
 Contact Person: Christopher Vigneau

Project Information
 Project Name: Ocean Edge Resort - Monthly
 P.O. Number: 25364
 Report To: Chris Vigneau
 Sampled by: Chris Vigneau
 Quote No:
 Phone: 978-818-9946 Fax:
 Email address list: vigneau@wseinc.com wsscompliance@wseinc.com

Relinquished By	Date	Time	Received By	Date	Time
CR	3/15/23	1237	MA	3/15/23	1237
RL	3/15/23	1045	MA	3/15/23	1045

Project Comments
 Circle if applicable: GW-1, GW-2, GW-3, S-1, S-2, S-3 MCP Data Enhancement QC Package? **No**

Turn Around Time
 Normal EMAIL Report
 5-7 Business days.
 Rush - Date Due: / /

Lab Use Only
 Sample Pick Up Only
 RIAI. Sampled; attach field hours
 Shipped on ice

Workorder No: 2303-04247

Containers: P=Poly, G=Glass, AG=Amber Glass, V=Vial, ST=Sterile Preservatives; A=Ascorbic Acid, NH₄=NH₄Cl, H=HCl, M=MeOH, N=HNO₃, NP=None, S=H₂SO₄, SB=NaHSO₄, SH=NaOH, T=Na₂S₂O₃, Z=ZnOAC
 Matrix Codes: GW=Groundwater, SW=Surface Water, WW=Wastewater, DW=Drinking Water, S=Soil, SL=Sludge, A=Air, B=Bulk/Solid, O=

Temp. Upon Receipt 4.3 °C



NACCHO NEWS



2023 NACCHO360 Conference – Denver, CO

The 2023 NACCHO360 Conference will be held at the Sheraton Denver Downtown Hotel from Monday, July 10 through Thursday, July 13, 2023. This conference will be held in-person with an improved virtual component.

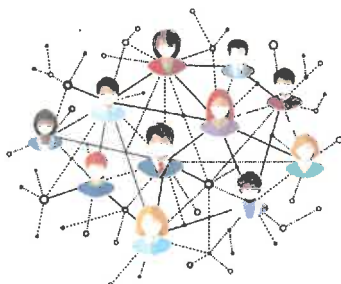
For the latest updates on conference registration and to sign up for automatic email alerts on conference news, visit <http://naccho360.org/>.



NACCHO's 2023 Federal Legislative and Policy Agenda

Check out NACCHO's 2023 Federal Legislative and Policy Agenda at <https://www.naccho.org/uploads/downloadable-resources/Legislative-Agenda-2023.pdf>, as well as the recently updated Advocacy Toolkit at <https://www.naccho.org/uploads/downloadable-resources/Advocacy-Toolkit-February-2023.pdf>. For questions,

please contact Kerry Allen, Director of Government Affairs, at kallen@naccho.org.



Toolkit: When to Take an At-Home COVID-19 Test

The Public Health Communications Collaborative (PHCC) has created a new resource outlining key scenarios and considerations for when you should take an at-home COVID-19 test. At-home COVID-19 testing is one of our best tools to prevent the spread of the virus—alongside getting vaccinated and boosted. COVID-19 vaccines are highly effective at preventing infection,

hospitalization, and serious illness, but no vaccine prevents 100% of infections. As the virus continues to evolve and cases are projected to spike seasonally, at-home testing helps you to determine if you have COVID-19 so you can prevent spreading it to others. Use this new PHCC resource to help your community determine when they should take an at-home COVID-19 test and what to do when they get their results. View the toolkit at <https://publichealthcollaborative.org/resources/toolkit-when-to-take-an-at-home-covid-19-test>.

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Environmental Health	4
Public Health Infrastructure & Systems	5
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Notes from Washington	7

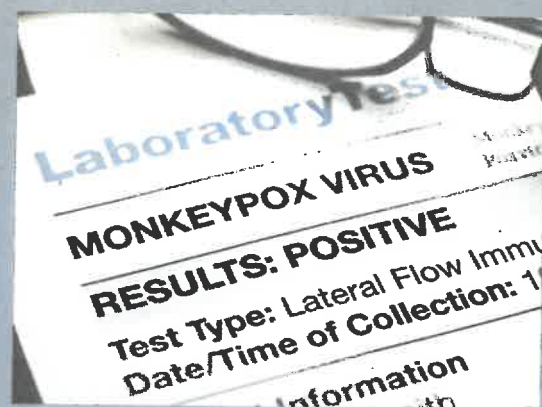
In the Spotlight . . .

Ending the COVID-19 Public Health Declaration — May 11, 2023:

On January 30, 2023, President Biden announced his administration will end the COVID-19 national emergency and public health emergency. The emergency declarations have been in place since early 2020 and provided the government flexibility to waive or modify certain requirements, including those related to health insurance coverage. With the end of the public health emergency, COVID-19 tests, treatments, and vaccines will move to normal insurance coverage. Vaccines should remain free for people with insurance, but uninsured individuals may face access issues. Out-of-pocket costs for testing and treatment will vary based on location of service and health insurance.

NACCHO 2022 Mpox Survey — Impact of Mpox on Local Health Departments (LHDs)

NACCHO conducted a brief survey to gather information from LHDs on experiences, impact, and response efforts related to the Mpox outbreak. The survey was led by NACCHO's Research and Evaluation and HIV, STI, and Viral Hepatitis teams and distributed online via Qualtrics Survey Software™ to a convenience sample of LHDs. Check out findings from the survey at <https://www.naccho.org/blog/articles/naccho-2022-mpox-survey>.



Assessing Barriers to Vaccination in New Orleans

In 2022, the New Orleans Health Department (NOHD) was selected to participate in

NACCHO's CDC-funded Equipping Local Health Departments to Address Vaccine Hesitancy project. This project provided funding for three LHDs to hire a consultant, conduct CDC's Rapid Community Assessment (RCA) to better understand vaccine hesitancy, and to develop a plan to increase vaccine uptake in selected communities. To learn about how the NOHD conducted the RCA, barrier analysis, and their results, review the case study at <https://www.naccho.org/uploads/downloadable-resources/New-Orleans-Barrier-Analysis-RCA-Case-Study.pdf>.

CDC's previously published *Recommendations for Identification and Public Health Management of Persons with Chronic Hepatitis B Virus Infection* can be found. Visit https://www.cdc.gov/mmwr/volumes/72/rr/rr7201a1.htm?s_cid=rr7201a1_w.



Recent Federal and State Actions to Limit Flavored Tobacco Products

To prevent youth smoking, the U.S. Food and Drug Administration (FDA) proposed a rule prohibiting menthol cigarettes and flavored cigars, estimating a 15.1% decrease in smoking within 40 years, saving up to 654,000 lives. Many states have also introduced legislation to limit the sale of flavored tobacco and nicotine products, including menthol products. Read more about recent federal and state actions to limit the sale of these flavored products at <https://www.astho.org/communications/blog/recent-federal-state-actions-limit-flavored-tobacco-products>.

New CDC Universal Screening Recommendations for Hepatitis B Virus

Chronic hepatitis B virus (HBV) infection can lead to substantial morbidity

and mortality. Although treatment is not considered curative, antiviral treatment, monitoring, and liver cancer surveillance can reduce morbidity and mortality. Effective vaccines to prevent hepatitis B are available. In the newly released report, updates on the



The National Coalition for Sexual Health (NCSH) Launches New Tool: "Inclusive Sexual Health Services: Practical Guidelines for Providers & Clinics"

In order to cultivate a clinical environment that supports primary care providers in the delivery of inclusive sexual health services, the NCSH has launched a new guide for healthcare providers and clinics. This guide is organized into six sections, starting with workforce and staff training and then followed by the overall client flow during a healthcare visit. It also includes an appendix outlining specific STI screening



recommendations for specific populations. Developed by NCSH's Health Care Action Group, this tool is available at no cost through NCSH's website; you can use it in your clinical practice and share it with your colleagues. View the guide at <https://nationalcoalitionforsexualhealth.org/tools/for-healthcare-providers/inclusive-care-guide>.



Inflation Reduction Act: Improving Adults Enrolled in Medicaid and Medicare Access to Recommended Vaccines
NACCHO's Immunization Team released a blog post detailing the vaccine provisions included in the *Inflation Reduction Act* and how they improve access to

recommended vaccines for adults enrolled in Medicare and Medicaid. View the blog post at <https://www.naccho.org/blog/articles/inflation-reduction-act-improving-adults-enrolled-in-medicare-and-medicare-access-to-recommended-vaccines>.

FDA Releases New Approach to the Evolving Opioid Crisis

While the FDA's previous strategies have largely focused on opioid use and overdoses, the evolving nature of this crisis calls for a new approach. Funding includes \$103 million to support the implementation of the FDA's Overdose Prevention Framework. Specifically, the funds will support activities that include:

- Promoting appropriate prescribing

of medications with abuse potential, including opioids, stimulants, and benzodiazepines.

- Expanding the availability of, and access to, overdose reversal products.
- Expanding the availability of, and access to, evidence-based treatments for substance use disorders.
- Increasing surveillance, enforcement, and indictment efforts targeting illegal, unapproved, counterfeit, and potentially dangerous products at international mail facilities, express courier hubs, and ports of entry.

Recover ✓ **Reprioritizing**
Renew ✓ **All-Hazards Preparedness**



Join Us Online April 24–27!

Don't miss your chance to reenergize while gaining the knowledge, resources, and relationships necessary to prepare for and respond to public health emergencies.



Register Today!

www.preparednesssummit.org

Elevating public health practice for today and tomorrow

July 10–13, 2023



Denver
JULY 10-13 2023

Register Now!

Every year, public health professionals gather at the NACCHO Conference to share opportunities, challenges, best practices and success stories; engage with federal, state, and local partners; and gain insights from public health experts.

www.naccho360.org/home

New Climate Action Toolkit for Local Health Departments

Are you one of the millions of Americans who are growing more concerned about climate change? As we all witness and experience impacts to our health, livelihoods, and communities, we are increasingly looking for guidance on solutions from leaders in our daily lives, including local health professionals like you. That is why Climate for Health and NACCHO are offering targeted climate-focused resources including the popular, now on-demand, ambassador training that will equip you with the knowledge, hands-on experience, and resources to speak and act confidently on climate change and solutions. With this toolkit, you will be able to engage your community, the public, and policymakers to inspire climate solutions that help protect our families and communities now, and ensure a prosperous, just, and secure future. The ambassador training qualifies for three continuing education units, so visit <https://virtualcommunities.naccho.org/climateactiontoolkit/home> and use the code NACCHOCFHambassador to start your climate action journey today!



Society for Vector Ecology (SOVE) 2023 Meeting

SOVE is hosting their 2023 meeting between September 18–21 at the Charleston Marriott in Charleston,

South Carolina. Learn more and register on the SOVE website at <https://www.sove.org/>.



Connect with Health in All Policies Practitioners on LinkedIn

Working to implement a Health in All Policies (HiAP) approach in your jurisdiction but don't

know where to start? Have a LinkedIn profile? You're in luck! HiAP practitioners, academia, partners, and interested public health professionals with a LinkedIn profile are welcome to join NACCHO's group to share resources, ask questions, and network with peers on ways to ensure that policy decisions have neutral or beneficial impacts on the determinants of health. NACCHO staff will be available to answer questions and will routinely share relevant tools and resources on this platform, alongside other national organizations. Join and encourage your peers to join today at <https://www.linkedin.com/groups/1278802/>. Don't have a LinkedIn profile? It's easy to sign up on [linkedin.com](https://www.linkedin.com). Questions about the group can be directed to rsiegel@naccho.org or avarma@naccho.org.



Increasing Rural Resilience to Climate Change: A Resource Roundup for Health Departments

About one in five people in the United States live in rural areas, yet 97% of land area is classified as rural, according to the U.S.

Census Bureau. Against the backdrop of a unique set of challenges, NACCHO's Climate Change Workgroup explored the role of rural LHDs as they set out to address the health impacts of one of the most pressing issues of our time—climate change. Increasing rural resilience to climate change may be in everyone's interest, as urban areas that depend on goods and services from rural areas will undoubtedly be impacted. Rural LHDs can start taking realistic steps toward addressing this issue through a new resource roundup from partners, federal agencies, and NACCHO subject matter experts. View the post at <https://www.naccho.org/naccho-admin/entries/blogPosts/560203-increasing-rural-resilience-to-climate-change-a-primer-for-health-departments-2>.



El Niño and La Niña: Local and Global Effects

Global temperatures are likely to climb even higher as the planet's strongest year-to-year climate variation—ENSO—is forecast to flip from La Niña to neutral by spring. Learn more and access Climate Central's maps that reveal how El Niño and La Niña influence weather patterns in the U.S. and around the globe at <https://www.climatecentral.org/climate-matters/local-and-global-effects-of-el-nino-and-la-nina-2023>. ■

Peer-reviewed Article Highlights the Practices Local Health Departments use to Support Evidence-based Decision Making (EBDM)

NACCHO's Evaluation Team co-authored the article, *Practices Among Local Public Health Agencies to Support Evidence-Based Decision Making: A Qualitative Study*. Through interviews with staff from four LHDs, the team found that ongoing on-the-job experiential learning is needed to integrate EBDM principles into day-to-day public health practice. In addition, management practices established by leadership teams and middle managers (e.g., dedicating staff, creating specific guidelines, setting expectations) can create supportive work environments for EBDM integration. View the article by visiting <https://pubmed.ncbi.nlm.nih.gov/36240510/>.



Current Research: NACCHO's 2020 Forces of Change Survey
NACCHO is currently conducting its sixth iteration of the Forces of Change survey designed to collect information

on how local health departments are impacted, relative to major trends in public health. A random sample of LHDs were selected to complete the survey. If your LHD was selected, NACCHO asks that you complete the survey promptly. NACCHO appreciates your efforts to help develop a clear picture of LHD infrastructure and practice across the United States. Findings from the 2023 Forces of Change survey will be released in winter 2023. Findings from previous surveys are available on NACCHO's research website at naccho.org/resources/lhd-research. For more information, email research@naccho.org.

have experience responding to a chemical incident or developing chemical preparedness materials, including trainings, plans, protocols, and checklists. Please submit materials and any questions to scallahan@naccho.org.



New Report: Public Health Turnover Threatens Community Health and Safety

According to a recent analysis of data from the

Public Health Workforce Interests and Needs Survey (PH WINS), nearly half of state and local public health employees left their jobs between 2017 and 2021, exacerbating an existing workforce shortage and causing a critical lack of skills and experience that puts communities at risk. The study, recently published in *Health Affairs*, compared intent to leave or retire in 2017 with actual separations through 2021 among state and local public health staff at agencies that participated in the PH WINS survey in both years. The study authors found that 46% of state and local employees left their organizations during that time – a number that rose to 74% among employees under age 35 and 77% among employees with less than five years' experience. View the study at <https://www.healthaffairs.org/doi/full/10.1377/hlthaff.2022.01251>. ■



Request for Materials on Chemical Preparedness
NACCHO, in partnership with the CDC, is gathering Chemical Response materials and training

resources developed by local health departments or in collaboration with other community partnerships. NACCHO is requesting input from local health departments who



Up to \$50 Million Available to States and Jurisdictions for Medical Reserve Corps

The Administration for Strategic Preparedness and Response's (ASPR) Medical Reserve

Corps (MRC) Program announced that up to \$50 million in American Rescue Plan funding is available to states, territories, tribes, public/private partnerships, and other public entities to expand the work of the network. MRC will accept applications for the State, Territory and Tribal Nations, Representative Organizations for Next Generation (MRC-STTRONG) Awards through April 30, 2023. Jurisdictions can use MRC-STTRONG grant funding to expand, sustain, and improve the MRC network, with a particular focus on health emergency preparedness, response, and health equity needs. The grants are competitive, and the MRC national office anticipates being able to fund up to 70 projects through MRC-STTRONG. Learn more at <https://www.naccho.org/blog/articles/mrc-sttrong>.

declaration, how it will impact community members, and how your local health department can prepare at <https://www.naccho.org/blog/articles/ending-covid-declaration>.



Medical Reserve Corps Units Respond to Severe Weather in California

From late December 2022 into January of this year, California residents felt the impact of atmospheric

rivers and "bomb cyclones" that brought heavy rains over multiple days. This resulted in mudslides, flooding, and road closures. In some areas, strong winds also brought trees down on cars, houses, and across roadways. See how volunteers from multiple MRC units in both Northern and Southern California responded at <https://www.naccho.org/blog/articles/mrc-california-weather>.

PREPAREDNESS SUMMIT

Take Part in the 2023 Preparedness Summit Virtually

It's not too late to join

the 2023 Preparedness Summit virtually! In addition to live-streamed plenaries and town halls, virtual registrants can view over 30 live-streamed educational sessions and over a dozen on-demand sessions, April 24-27. Registrants also enjoy access to virtual content for an additional 90 days post-conference. Don't miss this opportunity to revisit pressing issues in preparedness and share resources, shape policies, and build skills to mitigate a variety of threats. Learn more and register at <https://www.preparednesssummit.org>.



CDC Center for Preparedness and Response Transitions to Office of Readiness and Response

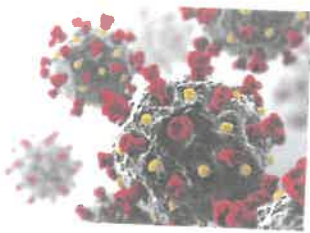
Effective February 21, CDC's Center

for Preparedness and Response will become the Office of Readiness and Response (ORR). CDC Director and ATSDR Administrator Rochelle P. Walensky, MD, MPH, announced the name change in January as part of the CDC Moving Forward initiative. In announcing the change, the CDC director said the ORR will report into the Immediate Office of the CDC Director and will serve as a centralized office that promotes accountability and excellence for all the agency's readiness and response efforts. CDC's Center for Forecasting and Outbreak Analytics will report to the ORR director, Henry Walke, MD, MPH. ■

Preparing for the End of National COVID-19 Emergency Declaration

While the national COVID-19 Emergency Declaration will be expiring on May 11, COVID-19 is still very

much present in our communities and still poses a threat to our health and well-being. Learn about key points of the



Notes FROM WASHINGTON



NACCHO's Local Public Health on the Hill

By Kerry Allen, *Director of Government Affairs*, and Lauren Mastroberardino, *Government Affairs Senior Specialist*

In early March, NACCHO hosted Local Public Health on the Hill with leaders from across the country championing local public health with their members of Congress. This year's event marked NACCHO's return to in-person meetings on Capitol Hill for the first time since February 2020 and included a virtual component for those who were not able to join in Washington, D.C. Across the in-person and virtual events, over 100 leaders from NACCHO, the Big Cities Health Coalition, State Associations of County and City Health Officials, and the National Association of Local Boards of Health met with 120 congressional offices to speak with a collective voice for local public health. Members of Congress were able to join many of these meetings to hear directly from their local leaders.

This year's Local Public Health on the Hill came at the beginning of a new Congress, with new and veteran lawmakers working to set their agendas for the coming two-year term. Meetings provided an opportunity for local public health leaders to introduce or reintroduce themselves to members of Congress and their staff, educate them on the important role of local public health, and invite lawmakers to visit their local health departments to see first-hand the work they do in their communities. In the coming months, members of Congress will be making important decisions about public health policy and funding, and establishing and strengthening relationships with local public health leaders in their communities helps to ensure lawmakers take the needs of local public health into account when crafting, debating, and voting on public health legislation.

Participants were also able to highlight ways Congress could support their work, including during the upcoming Fiscal Year 2024 appropriations process. One priority for local public health is to fully fund the Public Health Workforce Loan Repayment Program, which was authorized last year but not funded. Local public health leaders described ongoing workforce challenges and explained that an annual appropriation of \$100 million could allow as many as 2,000 public health professionals to receive up to \$50,000 in student loan repayment benefits, helping health departments to recruit and retain top talent. Participants also described the need to break the boom-and-bust cycle of federal public health funding and make predictable, sustained investments in public health capabilities at the local level, including for public health infrastructure.

NACCHO appreciates and applauds the local public health leaders who participated in this year's event. Local Public Health on the Hill is an integral piece of NACCHO's ongoing advocacy, and we could not do it without you! You are our best messengers in educating policymakers about the challenges facing local health departments and how Congress can support you. NACCHO looks forward to building on the conversations our members and partners had in March and encourages you to continue to engage with Congress on matters that affect local public health year-round.

UPCOMING EVENTS

2023 Preparedness Summit

April 24–27, 2023

Atlanta, GA

<https://www.preparednesssummit.org/home>

National Violent Death Reporting System Conference

May 16–18, 2023

Milwaukee, WI

<https://www.nvdrsconference.org/>

NACCHO360 Conference

July 10–July 13, 2023

Denver, CO

<https://www.naccho360.org/home>



Partnering for Success: Outreach to Achieve Health Equity in Ottawa County Department of Public Health, MI

Ottawa County Department of Public Health's (OCDPH) mission is to assure conditions in which all people can achieve optimum health.

This mission promotes the department's vision of supporting a population of healthy people. OCDPH strives to maintain this vision, in part, by maintaining the responsibility to ensure that all Ottawa County residents have equitable access to healthcare and services in the event of a public health emergency. Early in the COVID-19 pandemic, several health inequities were identified, including communities experiencing social vulnerabilities and those with an increased risk for COVID-19 infection and poorer health outcomes. The goal of OCDPH was to utilize all available resources to vaccinate all eligible persons in the public against COVID-19 through an equitable and fair approach. The focus being to increase COVID-19 vaccine uptake in Ottawa County and to ensure it was being done in the most effective and ethical way possible to achieve a high percentage of vaccinated Ottawa County residents. Learn how OCDPH was able to become successful in increasing their vaccine response efforts while building trusting community relationships simultaneously at <https://nacchoapplication.secure-platform.com/a/gallery/rounds/23/details/2227>.

About NACCHO

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To download a PDF of Dispatch, visit <http://www.naccho.org/pubs>.

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NACCHO NEWS



Preparedness Summit Recap

On behalf of the Preparedness Summit Conference Planning Committee, thank you to all of the 2023 Preparedness Summit attendees, speakers, presenters, sponsors, and exhibitors for your enthusiasm and engagement last week. The Summit hosted

a record-breaking group of attendees with over 3,000 participating in-person and virtually. Conference registrants can log into their account and access virtual content from the event at https://prepsummit2023.mapyourshow.com/8_0/sessions/#/. Content will be available for 90 days post-conference. Visit the conference website at <https://www.preparednesssummit.org/home> for a full conference recap and photos from the event.



2023 NACCHO360 Conference – Denver, CO

The 2023 NACCHO360 Conference will be held at the Sheraton Denver Downtown Hotel from Monday, July 10 through Thursday, July 13, 2023. This conference will be held in-person with an improved virtual component. For the latest updates on conference registration and to sign up for automatic email alerts on conference news, visit <http://naccho360.org/>.

FDA Approves Over the Counter Narcan, NACCHO Hopes Other Naloxone Products Will Follow Suit

Read NACCHO's latest blog post at the link in the caption.

NACCHO

FDA Approves Over the Counter Narcan, NACCHO Hopes Other Naloxone Products will Follow Suit

Last week, the FDA approved Narcan, a name-brand naloxone nasal spray, for over the counter (OTC) use. Naloxone is a life-saving medication that can reverse the effects of an opioid overdose when administered in a timely manner to a person experiencing an opioid overdose. Narcan is the first naloxone product approved for OTC use, which means it

will be available without a prescription. Narcan's OTC status will allow various settings such as gas stations and supermarkets to stock it. This has the potential to vastly increase its availability and use during an opioid overdose emergency. The timeline for OTC availability of Narcan is still unknown, but it will likely be in summer 2023. Read more at <https://www.naccho.org/blog/articles/fda-approves-over-the-counter-narcan-naccho-hopes-other-naloxone-products-will-follow-suit>.

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In the Spotlight...

NACCHO Exchange Winter 2023: Harm Reduction and Response to Crisis Issue Now Available

The winter issue of NACCHO Exchange, NACCHO's quarterly print magazine and journal tailored for LHDs, highlights articles that show the significant role in preventing drug-related deaths, offering access to healthcare, social services, and treatment, as well as best practices in responding to crises. Learn more and access the issue by visiting <https://www.naccho.org/blog/articles/naccho-exchange-winter-2023-harm-reduction-and-response-to-crisis>.

Request for Proposals: Ending the HIV Epidemic (EHE) Local Jurisdiction Strategic Planning Consultant *Must be Local to DC-Maryland-Virginia*

NACCHO is seeking a consultant to design and facilitate an in-person training/workshop approach in the DMV region with one EHE jurisdiction to assist them in developing a strategic plan and written processes. NACCHO will award up to \$20,000 to hire a consultant to provide subject matter expertise, technical assistance, and strategic planning support to one EHE jurisdiction, and create materials to support scaling of model practices to other jurisdictions around the country. Applications due Monday, May 8 by 5:00 PM EST. Apply at <https://www.naccho.org/blog/articles/ending-the-hiv-epidemic-ehe-local-jurisdiction-strategic-planning-consultants-request-for-proposals>.



Podcast from Washington: Local Health Leaders Use Radio to Reach English and Spanish Speakers About Vaccines and Immunizations

In the latest Podcast from Washington, NACCHO Government Affairs team members Kerry Allen and

Lauren Mastroberardino provided highlights from this year's Local Public Health on the Hill event. They also discuss President Biden's Fiscal Year 2024 Budget Request, the upcoming congressional appropriations process, and legislative efforts in Congress related to workforce and the Pandemic and All-Hazards Preparedness Act. Later in the program, Nicholas Holmes of NACCHO's Immunization Team spoke with Kate Guzman, the administrator of medical services for the Oakland County Health Division, in Pontiac, Michigan and Carolina Sisiruca, health educator with Centro Multicultural La Familia, about using radio to reach English and Spanish speakers about the importance of COVID-19 vaccinations and other immunizations. Listen to the podcast at <https://www.naccho.org/blog/articles/national-association-of-county-and-city-health-officials-podcast-from-washington-how-local-health-leaders-use-radio-to-reach-english-and-spanish-speakers-about-immunizations>.

NACCHO Releases Funding Opportunities to Evaluate Integration of STI & Harm Reduction Services

NACCHO is accepting applications for two related funding opportunities to support the evaluation of STI and harm reduction (HR) services. Applicants must already offer integrated STI and HR services. One application is intended to fund organizations that are primarily STI service providers while the other is intended to fund organizations that are primarily HR service providers. Applicants can request up to \$50,000 and applications are due Friday, May 12. Access additional information at <https://www.naccho.org/blog/articles/naccho-releases-two-new-funding-opportunities-to-evaluate-the-integration-of-sti-and-harm-reduction-services>.



NACCHO Publishes "Developing the Capacity to Support Clinical Older Adult Fall Prevention" Toolkit

NACCHO is pleased to announce the publication of a new guide with funding from the CDC titled "Developing the Capacity to Support Clinical Older Adult

Fall Prevention." LHDs can bridge the gap between community and clinical fall prevention programs to identify older adults at-risk for falls and to increase their access to evidence-based clinical and community fall prevention resources. This guide aims to help local health departments strengthen their capacity to reduce the risk of falls and prevent their recurrence among community-dwelling older adults. If you have any questions about the guide, please contact the NACCHO Overdose, Injury, & Violence Prevention Team at ivp@naccho.org. Access the guide at <https://www.naccho.org/programs/community-health/injury-and-violence/older-adult-falls-prevention>.



Opioid Settlements, Harm Reduction, and Leveraging Local Health

Department Expertise Webinars

Every U.S. state is receiving some amount of money from Opioid Settlements. How this money is dispersed and spent varies widely, but in every state and locality there is an opportunity to support harm reduction efforts and LHDs are critical to ensure that evidence-based public health approaches are prioritized. NACCHO is partnering with Community Education Group (CEG) on a three-part webinar series on Opioid Settlements across the country. In the webinar series, how LHDs and their community partners can, and are, leveraging funds to support evidence-based syndemic strategies to reduce harms associated with opioid use and other drugs vulnerable to opioid contamination

will be discussed. The first webinar will be on Tuesday, May 9 from 2:00 PM–3:00 PM ET, with an overview of opioid settlements nationwide and how funds may be used to support harm reduction efforts. Register at https://naccho.zoom.us/webinar/register/WN_cIBPDbmeSr-u7NC4b7-5mQ. Part two of the series will take place on Tuesday, May 23, from 2:00 PM–3:00 PM ET, where NACCHO and CEG will host the first of three Opioid Settlement Office Hours for LHDs and their harm reduction partners to discuss settlement challenges and receive technical assistance. Register at https://naccho.zoom.us/webinar/register/WN_ujpY6_bTSvKUBR8LH7wV0Q. Details on the third webinar to come. Please contact jkarr@naccho.org with any questions. Recordings of the webinars will be

available to those who have registered.

Division of Human Development and Disability Release New Data on Autism

The CDC released two new reports from the Autism and Developmental Disabilities Monitoring (ADDM) Network. Findings include new patterns in prevalence by race/ethnicity and dramatic impacts of COVID-19 on early evaluation and identification of autism spectrum disorder (ASD), further helping to identify the role that healthcare providers, parents, and caregivers can play to support the needs of children with autism and bridge the gaps in transition planning for adulthood. To read the reports, visit <https://www.cdc.gov/ncbddd/autism/new-data.html>. ■

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www.naccho360.org/home

Increasing Rural Resilience to Climate Change: A Resource Roundup for Health Departments

About one in five people in the United States live in rural areas, yet 97% of land area is classified as rural, according to the U.S. Census Bureau. Against the backdrop of a unique set of challenges, NACCHO's Climate Change Workgroup explored the role of rural LHDs in addressing the health impacts of one of the most pressing issues of our time – climate change. Increasing rural resilience to climate change may be in everyone's interest, as urban areas that depend on goods and services from rural areas will undoubtedly be impacted. Rural LHDs can start taking realistic steps toward addressing this issue using a new resource roundup from NACCHO workgroup members at <https://www.naccho.org/blog/articles/increasing-rural-resilience-to-climate-change-a-primer-for-health-departments-2>.



Report: Strengthening Local Capacity for Wastewater Surveillance

In response to the increased interest around the use of wastewater surveillance

technology to track SARS-CoV-2, the causative agent of COVID-19, NACCHO, with support from the CDC, launched a pilot mentorship program in 2022 to support LHDs building wastewater surveillance capacity. The city of Tempe, AZ, which had experience utilizing wastewater surveillance to track diseases, was matched with LHD mentees, Genesee and Orleans County (NY) and Chautauqua County (NY), to exchange guidance, tools, resources, and recommendations to meet their community's infectious disease surveillance needs. See the findings, lessons learned, and additional resources for LHDs at https://www.naccho.org/uploads/downloadable-resources/Mentorship-Pilot-Program_edited.pdf.



Resource: Achieving Environmental Health Equity

The American Public Health Association's Environmental Health and Equity Collaborative created an issue brief that

provides background, examples, data and actionable steps environmental public health leaders and their organizations can take to move towards health equity. Actions are organized by the CDC's *Ten Essential Public Health Services* and include a poster and summary version for easy reference. You can view the brief and summaries at <https://apha.org/ehec>.

Catching Up with the 2022 FDA Retail Food Protection Seminar

The 2022 seminar, hosted by NACCHO, had a focus on norovirus, including assessing employee health, investigating norovirus-related foodborne illnesses, and implementing successful employee health intervention strategies. All sessions, including breakout and workshops, are now available online as recordings to watch free. Visit <https://www.naccho.org/blog/articles/catching-up-with-the-2022-fda-retail-food-seminar> to access the content.

Disability Inclusive Work Cultures for LHDs

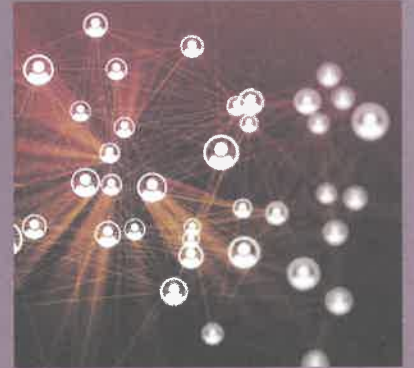
Building a disability inclusive workforce can improve community partnerships and employee retention, innovation, and workplace relationships. About 25% of U.S. adults have a disability, and disability access is not always included in diversity, equity, and inclusion (DEI) efforts. There are many resources available for local health departments to build more disability-inclusive workforces to support their communities. Learn more through NACCHO's blog post by visiting <https://www.naccho.org/blog/articles/disability-inclusive-work-cultures-for-local-health-departments>.

CDC Releases New Training Video - Outbreak Investigation Contributing

Working on an outbreak investigation? See a short training video at <https://www.cdc.gov/nceh/ehs/nears/what-are-contributing-factors.htm> to learn about the factors that contribute to outbreaks so you can understand how and why the outbreak occurred. Identifying these factors can help stop outbreaks and prevent them in the future. ■

Connect with Health in All Policies Practitioners on LinkedIn

Working to implement a Health in All Policies (HiAP) approach in your jurisdiction but don't know where to start? Have a LinkedIn profile? You're in luck! HiAP practitioners, academia, partners, and interested public health professionals with a LinkedIn profile are welcome to join NACCHO's group to share resources, ask questions, and network with peers on ways to ensure that policy decisions have neutral or beneficial impacts on the determinants of health. NACCHO staff will be available to answer questions and will routinely share relevant tools and resources on this platform, alongside other national organizations. Visit <https://www.linkedin.com/groups/12788027/> to join the group today! Don't have a LinkedIn profile? It's easy to sign up on [linkedin.com](https://www.linkedin.com).



Food Safety Sharing Session on Workforce Development

NACCHO, with the support of the CDC, is pleased to host an online sharing session on workforce development on May 23 from 3:00–4:00



PM ET. The session will feature a panel discussion and Q&A with Dr. Bruce Dart, Health Director at Tulsa Health Department; Lisa Macon Harrison, Health Director at Granville Vance Public Health; and Dr. Alan Melnick, Director/Health Officer at Clark County Public Health. The speakers will discuss some of the challenges that LHDs have been experiencing in employee retention and workforce burnout, and how these issues were exacerbated by the COVID-19 pandemic. This sharing session will provide both speakers and participants with an opportunity to share experiences and discuss ways to reengage staff in their work, especially at the local level. Learn more and register for the session at <https://www.naccho.org/blog/articles/food-safety-sharing-session-workforce-development>.

for designing and implementing user-experience testing of the existing website and creating recommendations for diverse CORHA stakeholders to evaluate. The chosen applicant will then redesign and migrate the website to a new platform. The application deadline is May 12, at 5:00 PM ET. Learn more and apply at <https://www.naccho.org/blog/articles/request-for-proposals-technical-assistance-consultant-conduct-assessment-for-website-usability-and-implement-website-re-design-and-migration>.

de Beaumont Foundation Announces 40 Under 40 Program; Deadline for Nominations, May 17, 2023



The de Beaumont Foundation is now accepting nominations for its 40 Under 40 in Public Health Class of 2023, a program that

aims to recognize and support 40 individuals under the age of 40 who are working on public health challenges of today and tomorrow to progress towards healthier communities. Through this recognition and a two-year professional development program, honorees receive exclusive opportunities for personal enrichment and career advancement. Consider nominating yourself or someone else for this opportunity. Applications will be accepted through May 17. For details and to submit a nomination, visit <https://debeaumont.org/about-40-under-40/nomination/> or contact 40under40@debeaumont.org.

Request for Proposals: Technical Assistance Consultant

With support from CDC, NACCHO is seeking a consultant or consulting firm to optimize the usability, style, and content of NACCHO's Council for Outbreak Response: Healthcare-Associated Infections & Antibiotic-



Resistant Pathogens (CORHA) website (<https://www.corha.org/>) to increase awareness and utilization of CORHA-developed resources. The consultant will be responsible



NACCHO Recognizes Eight Local Health Departments for Emergency Preparedness Capabilities through PPHR

NACCHO is pleased to announce

that eight agencies from across the United States have been recognized by NACCHO's Project Public Health Ready (PPHR) for their ability to plan for, respond to, and recover from public health emergencies. These eight agencies received PPHR re-recognition status. Learn more about the program and agencies recognized at <https://www.naccho.org/blog/articles/pphr-2023>.



Administration for Strategic Preparedness and Response Releases 2023-2026 National Health Security Strategy

The Administration for Strategic Preparedness and Response (ASPR)

recently released the 2023-2026 National Health Security Strategy (NHSS). Every four-years, ASPR develops the NHSS to establish a strategic approach to enhance the security of the nation's health in times of crisis. See the strategy and learn more about its priorities at <https://www.naccho.org/blog/articles/2023-2026-nhss>.



NACCHO Announces More Than \$1.2 Million in Medical Reserve Corps Operational Readiness Awards

NACCHO is pleased to announce the 2023 Medical Reserve

Corps (MRC) Operational Readiness Awards (ORA). These awards, made possible through a cooperative agreement with the Administration for Strategic Preparedness and Response's Medical Reserve Corps Program Office, will build the operational readiness capabilities of MRC units to meet the emergency preparedness and response needs of local, regional, and statewide stakeholders. The awards, totaling \$1.255 million, will support 146 units to build MRC response capabilities (Tier 1) or strengthen MRC response capabilities (Tier 2). Learn more at <https://www.naccho.org/blog/articles/naccho-2023-ora>.



FEMA Seeks Input on National Disaster Resilience Guidance

FEMA is spearheading an effort to create national disaster resilience guidance and resources for the whole

community to help everyone understand and fulfill their critical roles related to increasing national resilience. FEMA will gather input from across the whole community to aid in the development of guidance and resources by hosting six 60-minute listening sessions in May and June. Learn more about the initiative and how to get involved at <https://www.naccho.org/blog/articles/fema-seeks-input-on-national-disaster-resilience-guidance>.



Local Nonprofits as Medical Reserve Corps Housing Organizations

According to the most recent

Network Profile of the Medical Reserve Corps, more than half (64%) of units are housed within their local health department. Another 16% are housed within their state health department or with emergency management agencies. This month we're highlighting two units that grew out of other types of community partnership. Learn more at <https://www.naccho.org/blog/articles/np-mrc>.



Ready or Not 2023: Protecting the Public's Health from Diseases, Disasters, and Bioterrorism

The new report, Ready or Not 2023: Protecting the Public's Health from Diseases, Disasters, and Bioterrorism, released by Trust for America's Health, measures states' readiness to respond to a spectrum of health emergencies and to provide ongoing public health services. The report gives federal and state health officials and policymakers actionable data and recommends policies to improve the nation's emergency preparedness at a time when health emergencies are increasing. The report's findings showed both areas of strength within the nation's public health system and areas that need attention. Learn more at <https://www.tfah.org/report-details/ready-or-not-2023/>.



NACCHO Highlights Workforce Challenges for Senate Committee

By Katie Ghougasian, Government Affairs Intern and Kerry Allen, Director of Government Affairs

As the Senate Committee on Health, Education, Labor and Pensions (HELP) began its work for the 118th Congress, new leaders Chairman Bernie Sanders (I-VT) and Ranking Member Bill Cassidy (R-LA) identified addressing shortages in the healthcare workforce as a priority of the committee. The HELP Committee's first hearing of the year focused on the topic, and the Committee invited healthcare providers and stakeholders to testify about the root causes of the problem. During the hearing, Chairman Sanders and Ranking Member Cassidy said they would draft bipartisan legislation to address the workforce shortages that leave substantial populations of Americans without access to healthcare. To inform this legislative effort, Chair Sanders and Ranking Member Cassidy issued a request for information (RFI) from additional stakeholders on the root causes and potential solutions to the workforce shortage.

In a response to the HELP Committee's RFI, NACCHO stressed that the public health and healthcare systems are inter-connected, outlined challenges facing the public health workforce, and offered several policy solutions. A robust public health system helps to keep people healthy, in turn reducing the burden on the healthcare system and its workforce and lowering healthcare spending. Additionally, local health departments often provide clinical services to hard-to-reach populations, particularly in rural areas.

NACCHO explained that like the healthcare sector, governmental public health is also facing a workforce shortage. An estimated 80,000 more full-time equivalents – an increase of nearly 80 percent – are needed to provide a minimum package of public health services. The underlying causes of the governmental public health workforce shortages

are multifaceted, and workers who were planning to leave cited pay, work overload and burnout, lack of opportunities for advancement, stress, and organizational climate and culture. The COVID-19 pandemic has exacerbated governmental public health staff recruitment and retention challenges, with public health workers facing increased mental health challenges, politicization of public health measures, and bullying and harassment.

NACCHO highlighted that schools of public health have observed an increase in public health degrees in recent years, meaning that now is an opportune time to bring new professionals into the field. NACCHO offered that Congress could bolster the public health workforce by fully funding the Public Health Workforce Loan Repayment Program, which was recently signed into law and would provide an important new recruitment and retention incentive to governmental public health agencies, and by ensuring long-term, sustainable, disease-agnostic public health funding. NACCHO also urged the Committee to strengthen the pipeline to governmental public health by incorporating public health agencies into programs, incentives, and other workforce tools. NACCHO further requested the Committee address the mental health, bullying, and harassment of public health officials.

Our governmental public health system cannot succeed without a strong workforce, which is why strengthening and supporting the public health workforce is one of NACCHO's 2023 Federal Legislative Priorities. As the Senate HELP Committee moves forward with legislation to address workforce shortages, NACCHO will continue to advocate for support for the local public health workforce.

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National Violent Death Reporting System Conference

May 16–18, 2023

Milwaukee, WI

<https://www.nvdrsconference.org/>

NACCHO360 Conference

July 10–July 13, 2023

Denver, CO

<https://www.naccho360.org/home>



Rogers County Fitness Training Program (RoCo Fit) in Rogers County, Oklahoma

Two of Rogers County's main causes of death are heart disease and diabetes, with an obesity rate of 35.5%. Sedentary lifestyle and poor nutrition are the main reasons according to Oklahoma State Department of Health's Wellness Profile of 2019. The RoCo Fit program

is a free community-led, organized physical activity program developed and offered free to anyone 13 years and older (strollers are also welcome) who live, work, or play in Rogers County, regardless of income or physical activity level. RoCo Fit is a walking and running program with volunteer mentors assisting groups of participants at all fitness levels. It is patterned after many commercial (and costly) "couch to 5k" programs; its major advantage in reaching community members is that there is no cost to participants. There are many community partners who offer additional components and program support in order to promote overall wellness. The free program began as part of the Healthy Lifestyles Subcommittee of Healthy Community Partnership with the goal to provide free opportunities for physical activity in order to improve the poor health behavior and outcome statistics of Rogers County. For more info on this model practice, visit <https://application.naccho.org/Public/Applications/View/3143>.

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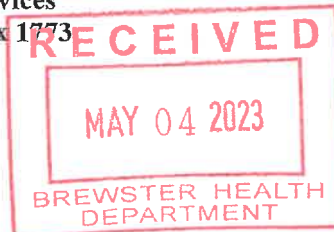
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Department of Environmental Protection
Attn: Title 5 Program
One Winter Street, 5th Floor
Boston, MA 02108

DATE:

04/25/2023

JOB NUMBER:

8082W

REGARDING:

White Rock Commons Subdivision, White Rock Road, Brewster

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| Certified Mail | <input type="checkbox"/> | UPS | <input type="checkbox"/> |
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1	03/22/23	DEP Approved Inspection Form SeptiTech Form Lab Results

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For approval:

As Requested:

For your use:

REMARKS:

cc: John M. O'Reilly, P.E., P.L.S.
Board of Health
Client

From: GJB

If enclosures are not as noted, kindly notify us at once



Site/Address: White Rock Commons Subdivision
White Rock Road
Brewster, MA 02631

Date: 03-22-2023 Time: 2:00 pm Rep: Greg Brehm

- 1. Remove lids & covers on processor. Visually inspect media & spray pattern. GJB (Initial)
- 2. Exercise entire system in maintenance mode. GJB (Initial)
 - a. Recirculation pump(s)
 - b. Pumpback pump(s)
 - c. Discharge pump(s)
- 3. Perform maintenance/cleaning tasks required for proper operation of unit. GJB (Initial)
 - a. Spray headers
 - b. Media
 - c. Screen
- 4. Take effluent sample from sample tube GJB (Initial)
- 5. Record following values from controller read-out (Discharge Pump) GJB (Initial)
 - Days Runtime: 12 12
 - Hours Runtime: 15 15
 - Seconds Runtime: 3133.7 805.4
- 6. Record controller program version: Commercial GJB (Initial)
- 7. Record controller firmware version: V121 GJB (Initial)
- 8. List parts and supplies used: _____
_____ GJB (Initial)
- 9. Return system to "run" mode GJB (Initial)
- 10. Re-install covers and lids on processor. GJB (Initial)
- 11. Check air intake muffler for obstruction and proper draw. GJB (Initial)

General Notes and Remarks: The system is operating correctly mechanically. Effluent quality passed field tests.
Effluent sample collected for lab analysis.

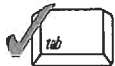


Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Title 5

**DEP Approved Inspection and O&M Form for Title 5 I/A
Treatment and Disposal Systems**

A. Installation

Important: When filling out forms on the computer, use only the tab key to move your cursor - do not use the return key.



White Rock Commons Subdivision

Owner

White Rock Road

Facility Street Address

Brewster

City

02631

Zip

Mailing address of owner, if different:

P.O. Box 3843

Street Address/PO Box:

New Haven

City

CT

State

06525

Zip

(203) 312 - 3484 ext.

Telephone Number

B. Authorized Service Provider

J. M. O'Reilly & Associates, Inc.

O&M Firm

1573 Main Street - P.O. Box 1773

Street Address

Brewster

City

MA

State

02631

Zip

(508) 896 - 6601 ext.

Telephone Number

Greg Brehm

Certified Operator Name

16149

Certification Number

C. Facility/System Information

BREW-Sou157-Sep

DEP ID

Septitech

Manufacturer ID

M3000N

Model Number

Unknown

Installation Date

January 2016

Start of Operation

Approval Type: General Provisional Piloting Remedial

Seasonal Residence – used less than 6 mo./year: Yes No

D. Operating Information

03/22/2023

Inspection Date

11/22/2022

Previous Inspection Date

Sludge Depth (to be checked yearly)

Pumping Recommended Yes No



Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Title 5

**DEP Approved Inspection and O&M Form for Title 5 I/A
Treatment and Disposal Systems**

E. Field Testing

Field Inspection:

Color: gray brown clear turbid

Other (specify): _____

Odor: musty earthy moldy offensive turbid

Effluent Solids: no some

pH 6.5 SU DO 4.0 mg/L Turbidity 1.30 NTU
6 to 9 2 or greater 40 or less

Should a Remedial or General Use system fail the Field Testing, effluent samples shall be collected per Standard Methods and analyzed for BOD and TSS.

F. Sampling Information

Samples Taken: Influent Effluent

Commercial systems or systems with a design flow of 2000 gpd and greater, and General Use nitrogen reducing systems:

_____ gpd

Parameters sampled: pH BOD CBOD TSS TN Other (list below)

See attached lab results

Other 1 _____

Other 2 _____

Other 3 _____

G. Inspection and Maintenance

Description of any maintenance performed since previous inspection & during this inspection:

Maintenance completed per manufacturer's checklist.

Notes and Comments:

The system is operating correctly mechanically.




Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Title 5

**DEP Approved Inspection and O&M Form for Title 5 I/A
Treatment and Disposal Systems**

H. Certification

I certify: I have inspected the sewage treatment and disposal system at the address above, have conducted the required Field Testing and/or sample collection in accordance with Standard Methods, have completed this report and the attached technology operation and maintenance checklist, and the information reported is true, accurate, and complete as of the time of the inspection. I am a Massachusetts certified operator in accordance with 257 CMR 2.00.


Operator Signature

04/25/2023

Date

System owner must submit this report, technology O&M checklist, and any required sampling results to the local board of health as follows for each inspection performed:

Remedial Use – by January 31st of each year for the previous calendar year

Piloting Use - within 45 days of inspection date

Provisional Use – by March 31th of each year for the previous 12 months

General Use – by September 30th of each year for the previous 12 months

Send to:

Department of Environmental Protection
Attention: Title 5 Program
One Winter Street, 5th Floor
Boston, MA 02108



CERTIFICATE OF ANALYSIS

Barnstable County Health Laboratory (M-MA009)

Recipient: Greg Brehm
 JM O'Reilly Assoc.
 PO Box 1743
 Brewster, MA 02631

Order No.: G23237400
Report Dated: 04/05/2023
Submitter: JM O'Reilly Assoc.
Description: 8082W

Laboratory ID#: 23237400-01

Sample #:
Collection Address: White Rock Rd HOA, Brewster
Sample Location:

Matrix: Water - Waste Water
Sampled: 03/22/2023 14:20 **By:** GJB
Received: 03/22/2023 15:00 **By:**
Turn Around: Standard

Test Parameters

<u>ITEM</u>	<u>RESULT</u>	<u>UNITS</u>	<u>RL</u>	<u>MCL</u>	<u>METHOD #</u>	<u>TESTED</u>	<u>TIME</u>
Nitrate as Nitrogen	6.6	mg/L	0.10	10	EPA 300.0	03/23/2023	
BOD (5 DAY) TEST	6.0	mg/L	2.0		SM 5210 B	03/24/2023	
Nitrite as Nitrogen	1.3	mg/L	0.050	1.0	EPA 300.0	03/23/2023	
TKN	68	mg/L	0.25		EPA 351.2	03/31/2023	9:48
Total Suspended Solids	39	mg/L	2.0		SM 2540D	03/28/2023	

Attached please find the laboratory certified parameter list.

Approved By: 
 (Lab Director)

ND = None Detected

RL = Reporting Limit

MCL = Maximum Contaminant Level



June BPC Events

COMING SOON

Brewster Pond Summit 2023

Septic Systems and Ponds in Brewster

“What do we know, what is being done, what is planned”

Friday, June 16, 2023

9 AM - 12 PM

The Brewster Baptist Church

1848 Main Street, Route 6A, Brewster



Photograph by William F. Pomeroy

The Brewster Ponds Coalition and the Town of Brewster will present *Brewster Pond Summit 2023* on Friday, June 16 from 9 AM to 12 PM at the Brewster Baptist Church. The Summit will focus on the significant work being done to protect our ponds. While all impairment sources will be discussed, the focus will be on septic systems. The Summit will review what is known about pond impairment and the impact of septic systems, what needs to be learned, action taken and in progress, and the outlook for the future.

The Brewster Pond Summit 2023 will include presentations and discussions by Town officials and experts from the Cape Cod Commission, MASSTC, and the Horsley Witten Group, LLC, reviewing completed and planned research, proposed updates to Title 5 regulations, funding sources, and governance of alternative septic systems. The Summit agenda will also include discussion of what is known about PFAs and other emerging contaminants. Their sources, health impacts, levels in ponds and drinking water, control methods and associated challenges will be presented. There will be time for your questions and additional discussion. A full agenda will be posted on the BPC website soon.

The Summit is an open forum and Town and area residents are encouraged to attend. It will also be livestreamed. The event is free, but registration is encouraged for BPC's planning purposes.

2022

Massachusetts Beach Testing Results: Annual Report



Nahant Beach, Nahant, MA

Photo by Logan Bailey

Massachusetts Department of Public Health
Bureau of Environmental Health
Environmental Toxicology Program
250 Washington Street
Boston, MA 02108
Email : dph-beach@mass.gov
Phone: (617) 624-5757

Executive Summary

Swimming is one of the most popular recreational activities in Massachusetts (EOEEA, 2017), with over 111 million individual trips to coastal beaches annually (EOEEA, 2007). Each year, the Massachusetts Department of Public Health (DPH), Bureau of Environmental Health's Environmental Toxicology Program collects beach water quality data from local health departments and the Massachusetts Department of Conservation and Recreation. This report provides a description and summary of that information.

- **Water quality:** In 2022, a total of 16,124 water samples were collected from 592 marine and 576 freshwater beach sampling locations. These locations represent 569 marine and 529 freshwater beaches statewide, with 100% of marine and 99% of freshwater beach communities reporting water quality information to DPH. Approximately 5.3% and 4.6% of samples exceeded the Massachusetts bacterial water quality standards for marine and freshwater beaches, respectively, higher than in previous years. While exceedances were slightly above average in 2022, the overall low historical exceedance rates indicate that Massachusetts beaches generally have high water quality. Elevated bacteria accounted for 88% of beach posting days for poor water quality; additional reasons for notifications included cyanobacterial harmful algae blooms, rainfall (typically associated with elevated bacteria), and combined sewer overflows.
- **Field data:** In 2022, a majority (99%) of water samples submitted to DPH had accompanying field data. Recent rainfall was identified as the most important factor contributing to elevated bacteria levels at recreational waterbodies. As in previous years, the exceedance rate was greatest in the 24 hours following rainfall. Pollution sources, particularly the presence of larger numbers of birds at marine and freshwater beaches, were also associated with higher levels of bacteria.
- **Public notification:** DPH's marine beaches website (<https://ma-beaches.healthinspections.us>) provides near real-time information on bacteria levels at public marine beaches during the beach season, as well as information on historical bacteria levels. In 2022, approximately 9,559 users visited the website with peak usage occurring during the month of July. Individuals are also notified of unsafe conditions at beaches by physical signage that beach operators are required to post. In 2022, 99% of marine and 92% of freshwater beaches were in compliance with the public notification requirements.

Introduction

Health risks to swimmers associated with poor water quality have been documented in numerous studies (Marion et al., 2010; Wade et al., 2003). Beachgoers may be exposed to pathogens through recreational activities in and around polluted waterbodies (Hlavsa et al., 2015). In the United States, most swimming-associated illnesses are caused by a variety of pathogens associated with fecal contamination (Cabelli et al., 1982; USEPA, 2012). Fecal matter can enter beach water in a variety of ways: sewage treatment system failures, combined sewer overflows, discharge of sewage by boats, re-suspension of sediments, and rainfall with resulting surface runoff (Galfi et al., 2016; Rodrigues et al., 2016).

To minimize swimming-associated illness and injury and to notify the public about the quality of beach water, DPH regulations require regular water quality monitoring and public notification of unsafe conditions. All public and semi-public bathing beaches in Massachusetts are monitored for fecal indicator bacteria (FIB), and on occasion, harmful algae. Monitoring occurs during the beach season which generally begins when the school year finishes in mid-June and ends during the weekend of Labor Day.

DPH adopted the U.S. Environmental Protection Agency (USEPA) criteria for enterococci and *E. coli* in marine- and fresh-waters in 2001. These criteria consist of both a single sample and geometric mean (geomean) value reported as colony forming units per 100 milliliters of water (CFU/100 mL) (see Table 1). When beach water exceeds these water quality standards, DPH requires that the beach be posted with a notice alerting the public to the possible risk of swimming.

At a majority of beaches in Massachusetts, water quality is considered to be unacceptable when two samples collected on consecutive days exceed the water quality standards. This approach is consistent with DPH regulations and has helped to minimize the impact of beach closures on vulnerable socio-economic populations, whose local beach may be the only accessible means of recreation during the summer.

Some of the highest use beaches operated by the state are in the urban areas of Boston, Lynn, Quincy, and Revere. Beaches with a history of multi-day elevated bacteria levels are required to post after a single exceedance. Posting is also required when the geomean of the five most recent samples exceeds the geomean standard.

Beach Type	Indicator	Single Sample	Geomean
Marine	Enterococci	>104	>35
Freshwater	Enterococci	>61	>33
	<i>E. coli</i>	>235	>126

Table 1. DPH recreational water quality criteria (CFU/100 mL)

In addition to water samples, field data such as days since rainfall and potential pollution sources are required to be recorded at the time of sample collection. Field data help facilitate the interpretation of bacteria data and can improve the understanding of water quality at the local and state level.



Philbin Beach, Aquinnah, MA

Photo by Irena Draksic

Water Quality

Marine beach exceedances During the 2022 beach season, 8,463 samples were collected and analyzed from 592 marine sampling locations in the 61 communities with marine beaches. Of these 592 locations, 195 (33%) had at least one bacterial exceedance. A total of 662 out of the 8,463 samples exceeded the 104 CFU/100 mL standard bringing the percentage of exceedances for marine waters to 5.3%. The 2022 exceedance rate is slightly higher than the historic average (5.1%) but represents a sharp decline from the 7.9% exceedance rate recorded in 2021 (Figure 1).

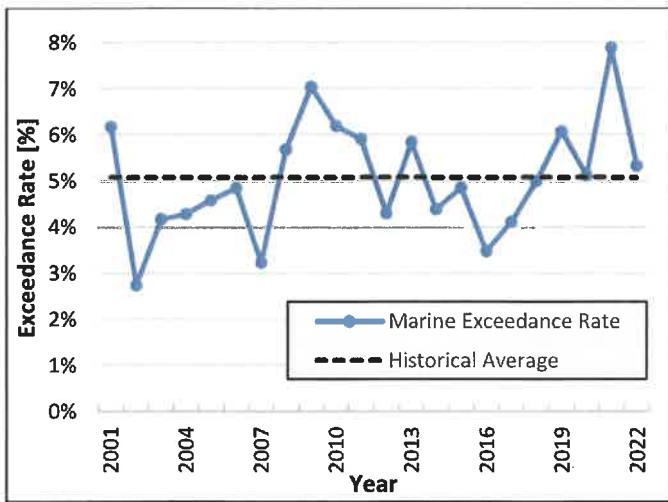


Figure 1. Marine beach exceedance rate (2001 – 2022)

Freshwater beach exceedances During the 2022 beach season, 7,661 samples from 576 freshwater sampling locations were collected and analyzed for the approved fecal indicator bacteria. Most freshwater beaches (90%) used *E. coli* as the indicator. Among the 576 freshwater locations, 148 (26%) in the 176 communities reporting beach data had at least one bacterial exceedance. A total of 356 out of 7,661 samples (4.6%) exceeded the single sample standard, which represents an exceedance rate slightly above average the historic average exceedance rate of 4.1% (Figure 2).

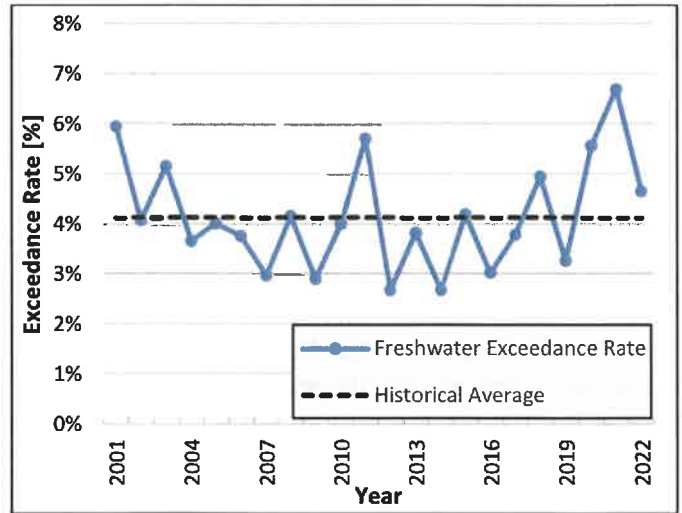


Figure 2. Freshwater beach exceedance rate (2001 – 2022)

Posting beaches In 2022, beaches were posted for 2,690 days, advising individuals to not swim in the water. The majority of posting days were due to the exceedance or expected exceedance (e.g., rainfall) of a water quality standard. For marine beaches, there were 1,079 total posting days due to either elevated bacteria (97% of days), rainfall (1%), or combined sewer overflows (2%) (Figure 3). For freshwater beaches (Figure 3), there were 1,611 posting days, 82% of which were due to elevated bacteria, 16% due to cyanobacterial harmful algae blooms, and 2% due to other reasons, such as chemical treatments being applied to the waterbody.

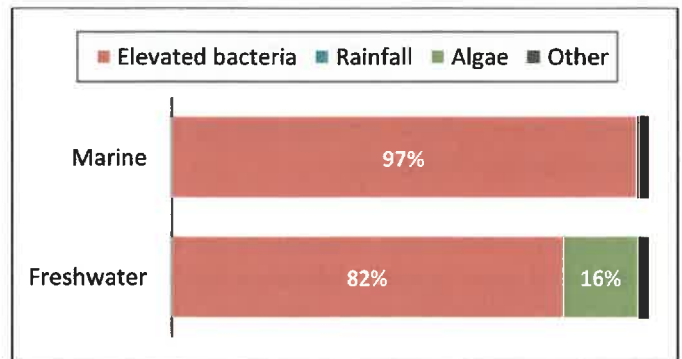


Figure 3. Posting details for marine and freshwater beaches in 2022

Rainfall Rainfall is recognized as one of the major drivers of bacterial exceedances in beach water (Harder-Lauridsen et al., 2013). Historically, overall exceedances at both marine and freshwater beaches generally rise and fall with the total amount of summer rainfall, with some exceptions. In 2022, this pattern was observed in both marine and freshwater results (Figure 4). The rainfall data were obtained from the National Oceanic and Atmospheric Administration (NOAA, 2022). Data sets from two coastal communities, Boston and Chatham, were used to represent monthly rainfall amounts at marine beaches; for rainfall at freshwater beaches data sets from Amherst and Ashburnham, along with those from Boston and Chatham, were used to represent monthly rainfall across the state.

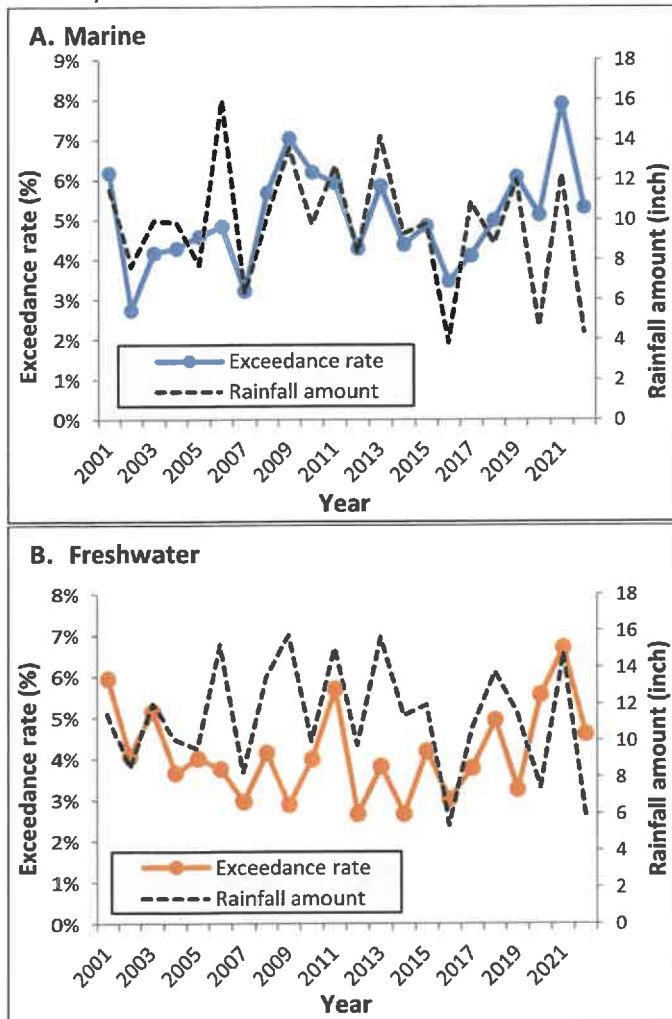


Figure 4. The historical relationship between rainfall amounts and exceedance rates at (A) marine and (B) freshwater beaches

Occurrences of exceedances will typically drop as time between rainfall and sample collection increases. For both marine and freshwater beaches in 2022, samples collected in the 24 hours following rainfall were most likely to exceed the state standard (Figure 5).

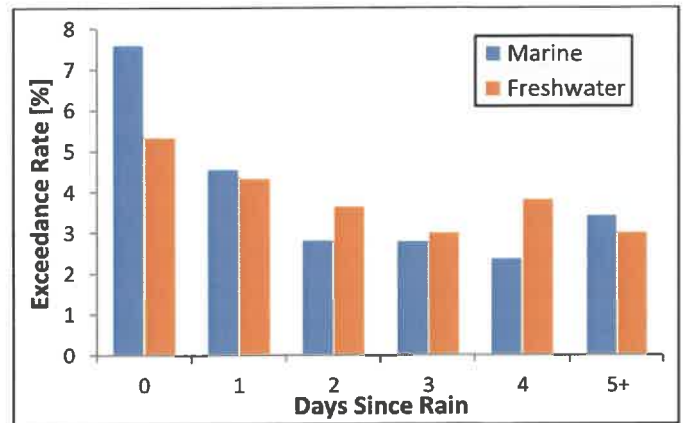
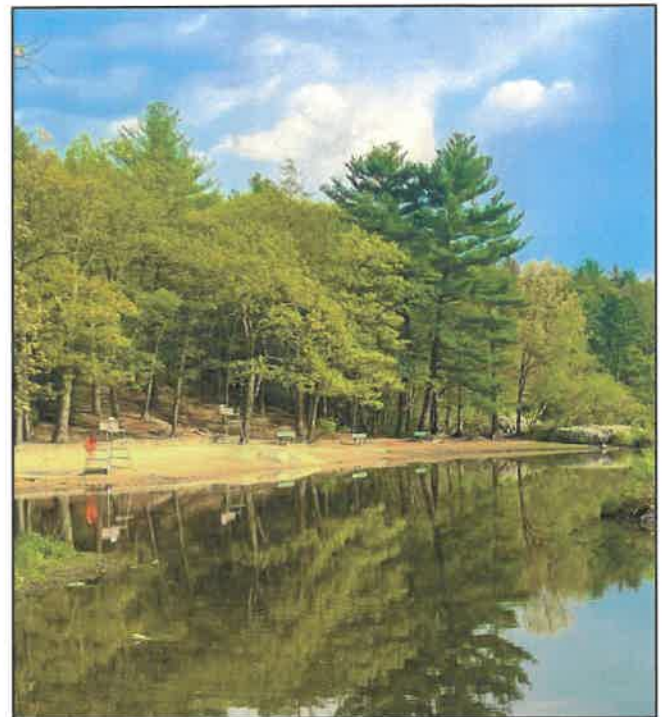


Figure 5. Relationship between the exceedance rate and days since rainfall in 2022



Breakheart Reservation, Saugus, MA

Photo by Logan Bailey

Potential pollution sources Starting in 2017, beach operators were asked to report the number of swimmers, birds, and dogs present in the water when a sample was collected. Figure 6 shows the mean bacteria levels of samples at marine and freshwater beach locations in 2022 compared to the number of reported swimmers, birds, and dogs. The data indicate that the presence of larger numbers of birds was associated with increases in bacteria levels at marine and freshwater beaches. The very high mean bacterial level when more than ten birds were present at freshwater beaches is a result of one outlier sample (>70,000 cfu/100 ml). No clear relationship was observed between bacteria levels and the number of humans or dogs present. Enterococci results at freshwater beaches were not included in this analysis due to the low number of samples.

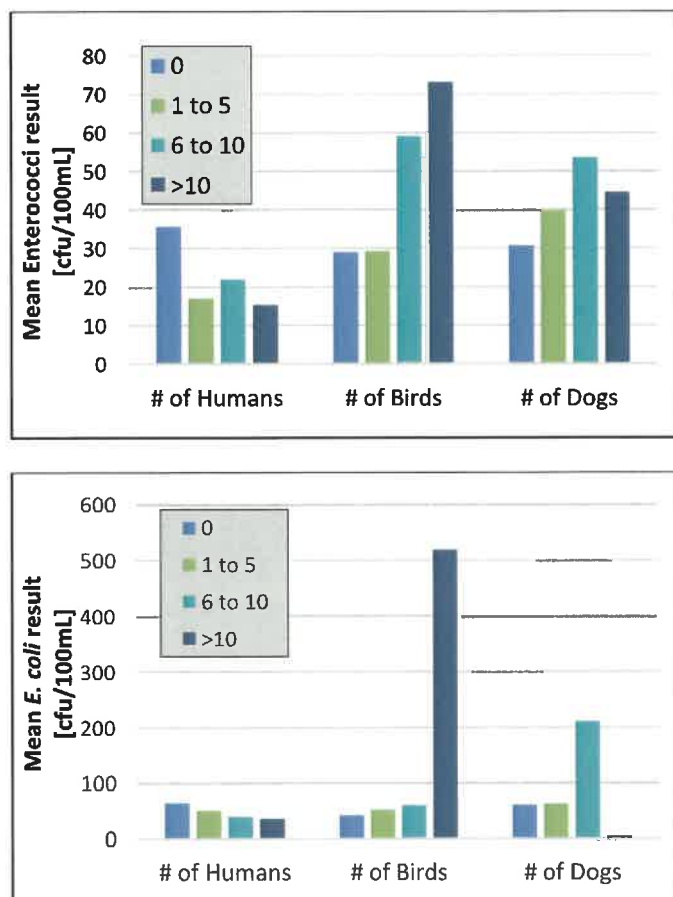


Figure 6. Mean bacteria levels and numbers of birds, dogs, and humans at marine (top) and freshwater (bottom) beaches in 2022

Environmental Justice Communities Beach access and water quality are particularly important in environmental justice (EJ) communities, as these communities are disproportionately affected by the increased presence of environmental hazards and poor health outcomes (DPH, 2017). For example, EJ communities have high population densities, low income, and high levels of non-vehicle ownership. This means that more individuals in these communities, compared to other areas in the state, will tend to frequent a local public beach for cooling off or enjoying summer recreation. As rainfall is a significant factor in flushing enteric bacteria into beach water, any increase in rain near a population-dense EJ area will lead to an increase in exceedances.

Town EJ population data from the Massachusetts Executive Office of Energy and Environmental Affairs (EOEEA 2020) were used to evaluate water quality of beaches located near EJ communities. In 2022, beaches located in municipalities with more than 25% of the population living in EJ areas had a higher exceedance rate than other beaches (Figure 7).

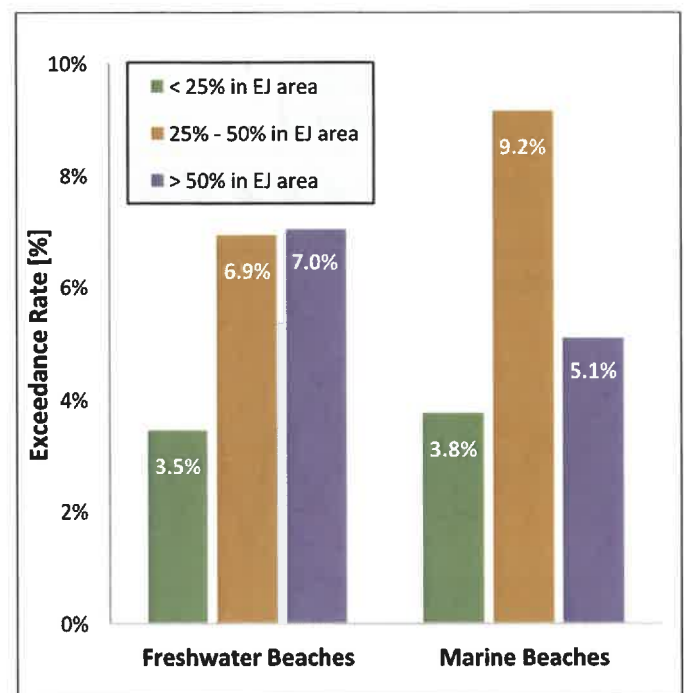


Figure 7. Relationship between beach exceedance rate and municipal EJ population data

Public Notification

Beach website The DPH beach monitoring website (<https://ma-beaches.healthinspections.us/>) provides the public with up-to-date marine beach testing and posting information and presents the data in an easy-to-use format. In 2022, 9,559 users visited the website during the beach season (this includes both new and returning users). An analysis of weekly usage data demonstrated a sudden increase in the number of users at the halfway point of the beach season (Figure 8), with a maximum number of users (n=1,628) occurring in the week of July 18th. For two weeks during August 2022, the website was unavailable to the public due to outages with the website server.

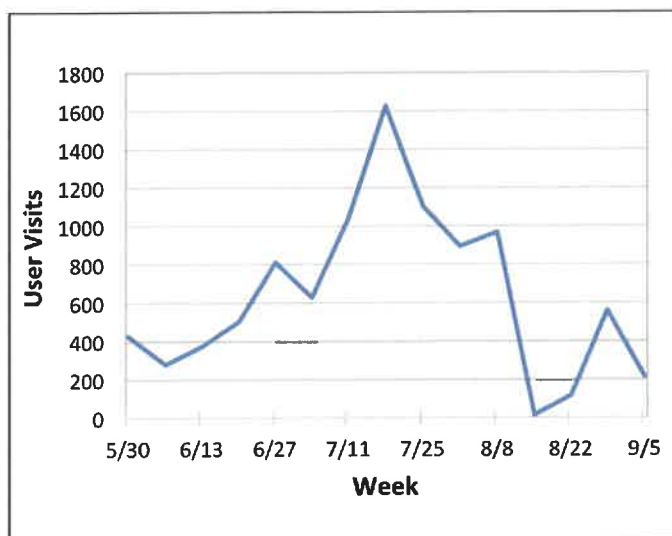


Figure 8. Number of DPH marine beach website users per week during the 2022 beach season

Beach postings When water quality standards are exceeded or other safety concerns exist, beach operators are required to post signage at the beach advising individuals of the hazard and recommending they stay out of the water. This is an essential part of the public notification system. Marine and freshwater beaches were posted properly 99% and 92% of the time, respectively.

Conclusions

In 2022, the exceedance rates at both marine and freshwater beaches were slightly above the historical average. However, average historical exceedance rates of 5.1% or less indicate that the state has beaches with generally high water quality. Elevated bacteria levels, rainfall events, and cyanobacterial harmful algal blooms were the primary drivers of beach posting days for poor water quality. Public notification of marine results and postings via DPH's marine beaches website continued to be a highly utilized means of communicating with the public.

Acknowledgements

This work was partially supported by a US EPA Beaches Environmental Assessment and Coastal Health grant. DPH received assistance from local, regional, and state partners, including Massachusetts boards of health, regional health networks, and the Massachusetts Department of Conservation and Recreation, to ensure that bathing beaches were tested, and data was submitted appropriately.



Little Neck Beach, Ipswich, MA

Photo by Michael Beattie

References

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For more information, please visit:
DPH Beaches website: <http://www.mass.gov/beaches>

DPH Algae website: <http://www.mass.gov/dph/algae>

Or contact:

Massachusetts Department of Public Health

Bureau of Environmental Health

Environmental Toxicology Program

250 Washington Street

Boston, MA 02108

Email: dph-beach@mass.gov

Phone: (617) 624-5757

Fax: (617) 624-5183

Rexhame Beach, Marshfield, MA

Photo by Mandy McNeill



Department of Environmental Protection

Southeast Regional Office • 20 Riverside Drive, Lakeville MA 02347 • 508-946-2700

Maura T. Healey
Governor

Rebecca L. Tepper
Secretary

Kimberley Driscoll
Lieutenant Governor

Bonnie Heiple
Commissioner

May 31, 2023

9-Year Compliance Cycle 2020-2028		
1st Period	2nd Period	3rd Period
2020-2022	2023-2025	2026-2028

BREWSTER– Public Water Supply
Brewster Water Department
PWS ID#: 4041000
RE: Monitoring Waiver Determination
2023-2025 Compliance Period

NOTE: This has been distributed via email only!

Dear Public Water Supplier:

The Massachusetts Department of Environmental Protection (MassDEP), Drinking Water Program (DWP) has completed the review of your monitoring waiver application for the 2023-2025 compliance period. The analytes considered by the waiver program consist of volatile organic compounds (VOC), synthetic organic compounds (SOC), inorganic compounds (IOC), and perchlorate. MassDEP's determinations for these analytes and source(s) are listed in the chart below.

Each source is listed separately in the chart. In the column marked APPROVAL STATUS: "Y" indicates approved; "N" indicates not approved. The COMMENTS column provides the reason for disapproval.

MassDEP's determinations for your source(s) were based on the information that was previously submitted by you and entered in the state database, the land use inventory from the application, and the ability of these source(s) to meet the requirements as specified in 310 CMR 22.00 Drinking Water Regulations of Massachusetts sections 22.06(6); 22.06(9); 22.07A(4); and 22.07B(3).

Your revised sampling schedule is enclosed and reflects these new MassDEP waiver determinations. This schedule replaces your existing one and is effective upon receipt. MassDEP may change this waiver determination any time it deems necessary. **Please note, this sampling schedule is being provided for your convenience and its accuracy is not guaranteed; it is the PWS's responsibility to comply with all regulatory sampling requirements.**

Please note that we are in the second three-year period of the nine-year compliance cycle (2020-2028).

Source Name/Code	Contaminant Group	Approval Status	Comments
4041000-01G (10001), -02G (10002), -03G (10000), &-06G (10060)	VOC	Y	
	SOC	Y	
	IOC	Y	
	Perchlorate	Y	
4041000-04G (10005)	VOC	N	Detects.
	SOC	Y	
	IOC	Y	
	Perchlorate	Y	

If you are aware of any inaccurate information in your application which affects this determination or if any information submitted is no longer valid for any source (e.g., land uses have changed, a spill involving toxic/hazardous materials or wastes has occurred within the recharge area of your source; town meeting voted to repeal a protective bylaw; new monitoring data indicates the detection of contaminants), it is your responsibility to report such inaccuracies, changes, or errors in writing within 10 days of becoming aware of the situation to MassDEP through the Program.Director-DWP@mass.gov email. Subject line: Monitoring Waivers. Failure to report may result in the loss of the waiver or enforcement action, which could include monetary penalties. If you have any questions on this waiver determination, please contact Sean Nugent sean.nugent@mass.gov subject line: Monitoring Waivers.

Sincerely,



Kathryn Sousa
Drinking Water Program

Attachment: Revised Sampling Schedule

cc: Paul Anderson, panderson@brewster-ma.gov
Brewster Board of Health, tmason@brewster-ma.gov
DWP e-file

PWS ID: **4041000** PWS Name: **BREWSTER WATER DEPARTMENT**
 Schedule of Required Water Quality Sampling For the Years: **2023** To **2025**

City/Town: **BREWSTER**
 Popl.: **35000** Class: **COM**

BACTERIA SAMPLING

Distribution System Bacteria Sampling: Apr.-Sept.: 40 per MONTH
 Oct.-Mar.: 10 per MONTH

* Refer to your Coliform Sampling Plan for approved Coliform Sample locations.

Raw Water Bacteria Sampling: Additional Sampling Required from Each Treated and/or Disinfected Source

Loc ID #	SAMPLE LOCATION	MULT/SIN	R/F	D/S	WAIVER	2023				2024				2025			
						QTR1	QTR2	QTR3	QTR4	QTR1	QTR2	QTR3	QTR4	QTR1	QTR2	QTR3	QTR4

ARSENIC

10000	FREEMAN'S WAY GP WELL # 3	S	F	S	N													
4041000-03G	FREEMAN'S WAY GP																	
10001	FREEMAN'S WAY GP WELL # 1	S	F	S	N													
4041000-01G	FREEMAN'S WAY GP																	
10002	FREEMAN'S WAY GP WELL # 2	S	F	S	N													
4041000-02G	FREEMAN'S WAY GP																	
10005	RUN HILL ROAD GP WELL # 4	S	F	S	N													
4041000-04G	RUN HILL ROAD GP																	
10060	WELL #6	S	F	S	N													
4041000-06G	WELL #6																	

ASBESTOS

123	AC PIPE DISTRIBUTION SAMPLE	S	F	D														

CHLORINE

CL	APPROVED COLIFORM SITES	S	F	D														

GROSS ALPHA PARTICLE ACTIVITY

10000	FREEMAN'S WAY GP WELL # 3	S	F	S														
4041000-03G	FREEMAN'S WAY GP																	
10001	FREEMAN'S WAY GP WELL # 1	S	F	S														
4041000-01G	FREEMAN'S WAY GP																	
10002	FREEMAN'S WAY GP WELL # 2	S	F	S														
4041000-02G	FREEMAN'S WAY GP																	
10005	RUN HILL ROAD GP WELL # 4	S	F	S														
4041000-04G	RUN HILL ROAD GP																	
10060	WELL #6	S	F	S														
4041000-06G	WELL #6																	

HALOACETIC ACIDS

10036	475 RUN HILL ROAD	S	F	D														

M/S = (M)ultiple/(M)anifold sources or a (S)ingle source R/F = (R)aw or (F)inished water D/S = (D)istribution or (S)ource sample
 Important Notes: This monitoring schedule is based on the system's current inventory and is subject to change. The system is responsible for promptly reporting errors or omissions.
 Errors or omissions on the schedule do not prohibit MassDEP from enforcing monitoring requirements set forth by the Regulations.

M = Monthly

PWS ID **4041000** PWS Name **BREWSTER WATER DEPARTMENT**

City/Town: **BREWSTER**

Popl.: **35000**

Class: **COM**

Loc ID #	SAMPLE LOCATION	MULT/SIN	R/F	D/S	WAIVER	2023				2024				2025			
						QTR1	QTR2	QTR3	QTR4	QTR1	QTR2	QTR3	QTR4	QTR1	QTR2	QTR3	QTR4

HALOACETIC ACIDS

10037	23 HOLLY AVE	S	F	D		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
10038	1671 MAIN STREET	S	F	D		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10039	35 AUNT MOLL'S RIDGE	S	F	D		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

INORGANICS

10060	WELL #6	S	F	S	Y	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4041000-06G	WELL #6					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

LEAD & COPPER SCHOOL SAMPLING

LCCA	2 TAPS @ 2 SCHOOLS/DAYCARES (ROTATE LIST)	S	F	D		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
------	--	---	---	---	--	--------------------------	--------------------------	--------------------------	--------------------------	--------------------------	--------------------------	--------------------------	--------------------------

LEAD AND COPPER RULE : [QTR2 = JAN - JUN] [QTR3 = JUN - SEPT] [QTR4 = JUL - DEC]

9000	30 APPROVED TAPS	S	F	D		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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MANGANESE

10000	FREEMAN'S WAY GP WELL # 3	S	F	S		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4041000-03G	FREEMAN'S WAY GP					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10001	FREEMAN'S WAY GP WELL # 1	S	F	S		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4041000-01G	FREEMAN'S WAY GP					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10002	FREEMAN'S WAY GP WELL # 2	S	F	S		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4041000-02G	FREEMAN'S WAY GP					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10005	RUN HILL ROAD GP WELL # 4	S	F	S		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4041000-04G	RUN HILL ROAD GP					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10060	WELL #6	S	F	S		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4041000-06G	WELL #6					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

NITRATE

10000	FREEMAN'S WAY GP WELL # 3	S	F	S	N	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4041000-03G	FREEMAN'S WAY GP					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10001	FREEMAN'S WAY GP WELL # 1	S	F	S	N	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4041000-01G	FREEMAN'S WAY GP					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10002	FREEMAN'S WAY GP WELL # 2	S	F	S	N	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4041000-02G	FREEMAN'S WAY GP					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10005	RUN HILL ROAD GP WELL # 4	S	F	S	N	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4041000-04G	RUN HILL ROAD GP					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

MS= (M)ultiple/Manifold sources or a (S)ingle source

RF = (R)aw or (F)inished water

D/S = (D)istribution or (S)ource sample

Walver = (Y)es or (N)o

M = Monthly

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PWS ID **4041000** PWS Name **BREWSTER WATER DEPARTMENT** City/Town: **BREWSTER** Popl.: **35000** Class: **COM**

Loc ID #	SAMPLE LOCATION	MULTISIN	R/F	D/S	WAIVER	2023				2024				2025			
						QTR1	QTR2	QTR3	QTR4	QTR1	QTR2	QTR3	QTR4	QTR1	QTR2	QTR3	QTR4

NITRATE

10060	WELL #6	S	F	S		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4041000-06G	WELL #6																	

NITRITE

10000	FREEMAN'S WAY GP WELL # 3	S	F	S	N	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4041000-03G	FREEMAN'S WAY GP																	
10001	FREEMAN'S WAY GP WELL # 1	S	F	S	N	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4041000-01G	FREEMAN'S WAY GP																	
10002	FREEMAN'S WAY GP WELL # 2	S	F	S	N	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4041000-02G	FREEMAN'S WAY GP																	
10005	RUN HILL ROAD GP WELL # 4	S	F	S	N	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4041000-04G	RUN HILL ROAD GP																	
10060	WELL #6	S	F	S		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4041000-06G	WELL #6																	

PER- AND POLYFLUOROALKYL SUBSTANCES

10000	FREEMAN'S WAY GP WELL # 3	S	F	S		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4041000-03G	FREEMAN'S WAY GP																	
10005	RUN HILL ROAD GP WELL # 4	S	F	S		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4041000-04G	RUN HILL ROAD GP																	
10006	WELL#1 & WELL#2	M	F	S		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4041000-01G	FREEMAN'S WAY GP																	
4041000-02G	FREEMAN'S WAY GP																	
10060	WELL #6	S	F	S		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4041000-06G	WELL #6																	

PERCHLORATE

10000	FREEMAN'S WAY GP WELL # 3	S	F	S	Y	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4041000-03G	FREEMAN'S WAY GP																	
10001	FREEMAN'S WAY GP WELL # 1	S	F	S	Y	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4041000-01G	FREEMAN'S WAY GP																	
10002	FREEMAN'S WAY GP WELL # 2	S	F	S	Y	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4041000-02G	FREEMAN'S WAY GP																	
10005	RUN HILL ROAD GP WELL # 4	S	F	S	Y	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4041000-04G	RUN HILL ROAD GP																	

M/S = (M)ultiple/(M)anifold sources or a (S)ingle source R/F = (R)aw or (F)inished water D/S = (D)istribution or (S)ource sample Waiver = (Y)es or (N)o
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PWS ID **4041000** PWS Name **BREWSTER WATER DEPARTMENT**

City/Town: **BREWSTER**

Popl.: **35000**

Class: **COM**

Loc ID #	SAMPLE LOCATION	MULT/SIN	R/F	D/S	WAIVER	2023				2024				2025			
						Y/N	QTR1	QTR2	QTR3	QTR4	QTR1	QTR2	QTR3	QTR4	QTR1	QTR2	QTR3

PERCHLORATE

10060	WELL #6	S	F	S	Y	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4041000-06G	WELL #6																		

RADIUM 226 & RADIUM 228

10000	FREEMAN'S WAY GP WELL # 3	S	F	S																
4041000-03G	FREEMAN'S WAY GP																			
10001	FREEMAN'S WAY GP WELL # 1	S	F	S																
4041000-01G	FREEMAN'S WAY GP																			
10002	FREEMAN'S WAY GP WELL # 2	S	F	S																
4041000-02G	FREEMAN'S WAY GP																			
10005	RUN HILL ROAD GP WELL # 4	S	F	S																
4041000-04G	RUN HILL ROAD GP																			
10060	WELL #6	S	F	S																
4041000-06G	WELL #6																			

SECONDARY CONTAMINANTS

10000	FREEMAN'S WAY GP WELL # 3	S	F	S	N															
4041000-03G	FREEMAN'S WAY GP																			
10001	FREEMAN'S WAY GP WELL # 1	S	F	S	N															
4041000-01G	FREEMAN'S WAY GP																			
10002	FREEMAN'S WAY GP WELL # 2	S	F	S	N															
4041000-02G	FREEMAN'S WAY GP																			
10005	RUN HILL ROAD GP WELL # 4	S	F	S	N															
4041000-04G	RUN HILL ROAD GP																			
10060	WELL #6	S	F	S																
4041000-06G	WELL #6																			

SODIUM

10000	FREEMAN'S WAY GP WELL # 3	S	F	S																
4041000-03G	FREEMAN'S WAY GP																			
10001	FREEMAN'S WAY GP WELL # 1	S	F	S																
4041000-01G	FREEMAN'S WAY GP																			
10002	FREEMAN'S WAY GP WELL # 2	S	F	S																
4041000-02G	FREEMAN'S WAY GP																			

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PWS ID **4041000** PWS Name **BREWSTER WATER DEPARTMENT** City/Town: **BREWSTER** Popl.: **35000** Class: **COM**

Loc ID #	SAMPLE LOCATION	MULT/SIN	R/F	D/S	WAIVER	2023				2024				2025			
						QTR1	QTR2	QTR3	QTR4	QTR1	QTR2	QTR3	QTR4	QTR1	QTR2	QTR3	QTR4

SODIUM

10005	RUN HILL ROAD GP WELL # 4	S	F	S		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4041000-04G	RUN HILL ROAD GP																		

SYNTHETIC ORGANIC COMPOUNDS

10000	FREEMAN'S WAY GP WELL # 3	S	F	S	Y	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4041000-03G	FREEMAN'S WAY GP																		
10001	FREEMAN'S WAY GP WELL # 1	S	F	S	Y	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4041000-01G	FREEMAN'S WAY GP																		
10002	FREEMAN'S WAY GP WELL # 2	S	F	S	Y	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4041000-02G	FREEMAN'S WAY GP																		
10005	RUN HILL ROAD GP WELL # 4	S	F	S	Y	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4041000-04G	RUN HILL ROAD GP																		
10060	WELL #6	S	F	S	Y	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4041000-06G	WELL #6																		

TETRACHLOROETHYLENE

10007	AMBERGRIS EAST	S	F	D	N	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10008	AMBERGRIS WEST	S	F	D	N	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10009	BRIDLE PATH	S	F	D	N	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10010	CARRIAGE DRIVE	S	F	D	N	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10011	CERRY WOOD DRIVE	S	F	D	N	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10012	DAMON @GREAT FIELD	S	F	D	N	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10013	GAGES WAY	S	F	D	N	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10014	GREAT FIELDS ROAD	S	F	D	N	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10015	HARMONY LANE	S	F	D	N	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10016	HIGH RIDGE WAY	S	F	D	N	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10017	JOHN WING WAY	S	F	D	N	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10018	LINDA CIRCLE	S	F	D	N	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10019	NATHAN PASTURE	S	F	D	N	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10020	OAKWOOD ROAD	S	F	D	N	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10021	PLEASANT COURT	S	F	D	N	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10022	PURTAN DRIVE	S	F	D	N	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10023	WAGON WHEEL AVE.	S	F	D	N	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

M/S = (M)ultiple/(S)ingle sources or a (S)ingle source R/F = (R)aw or (F)inished water D/S = (D)istribution or (S)ource sample Waiver = (Y)es or (N)o
 Important Notes: This monitoring schedule is based on the system's current inventory and is subject to change. The system is responsible for promptly reporting errors or omissions.
 Errors or omissions on the schedule do not prohibit MassDEP from enforcing monitoring requirements set forth by the Regulations. [M] = Monthly

