



# TOWN of FALMOUTH

DEPARTMENT OF PUBLIC WORKS, WATER DIVISION  
416 GIFFORD ST., FALMOUTH, MASSACHUSETTS 02540  
TELEPHONE (508) 457-2543  
FAX (508) 548-1537

DATE: May 16, 2025

SUBJECT: Long Pond Reservoir Water sampling

PREPARED BY: Michael Reghitto – Chief Operator

TO: Peter McConarty – Director of Public Works

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This memo provides an overview of water quality sampling methods and results at the Long Pond Water Treatment Plant. The purpose of the memo is to provide the public with an understanding of the measures the Town routinely takes to monitor water quality as well as some additional measures taken to determine whether any chemicals are migrating from the former dump at Trotting Park to the Long Pond water supply.

The Falmouth Water Department routinely samples water after it has been treated at the Long Pond Water Treatment Plant – i.e. finished water -- in accordance with strict regulations set forth by the EPA and MassDEP. The water is tested for many chemicals and contaminants. The Town has not had any samples above the regulatory Maximum Contaminant Level in the finished water for any of the chemical tested in the last 8 years. The last sample over the MCL on the effluent of a treatment facility was Perchlorate at Fresh Pond Well in 2017.

Arcadis, the licensed site professional firm retained by the Town to oversee the evaluation and remediation of the former dump at Trotting Park, evaluated the direction of groundwater flow and determined that it flows east – away from Long Pond. Arcadis also installed six test wells around the youth baseball fields. The results of the initial test were all below regulatory limits for all chemicals tested except for one compound at one well which was above the regulatory limit for PCE AKA Tetrachloroethene. The full results of the water sample tests taken at the site of the youth baseball fields can be found in the Notification Report of 04/03/2025 posted online at <https://www.falmouthma.gov/1530/Trotting-Park-Youth-Baseball-Fields>.

As a further precaution, the Town Manager requested that the Water Department collect samples of raw (i.e. pretreated) water from the adjacent Long Pond Water Treatment Plant intakes. The samples were tested for lead and arsenic. We are pleased to report that there was no lead or arsenic detected in the raw water samples taken at Long Pond. The PCE sample has been sent for laboratory analysis, with results pending. Typically, regulatory samples are collected on the effluent side of the treatment process, but these intake samples were specifically taken to confirm that the contaminated groundwater from Trotting Park Fields is not migrating toward Long Pond, ensuring the continued safety of our water supply.

**ENVIROTECH LABORATORIES, INC.**

**MA CERT. NO.: M-MA 063**

8 Jan Sebastian Drive Unit 12

Sandwich, MA 02563

(508)888-6460 1-800-339-6460

FAX (508)888-6446

**Client Name :** Falmouth Water Dept.

**Location :**

**Address :** 650 Gifford St

Long Pond Reservoir

Falmouth, MA

Falmouth, MA

02540

**Lab Number :** DW-251754

**Collected By :** [REDACTED]

**Date Received :** 05/02/25

**Sample Type :** Town Water

**Well Specs :**

<i>Location Source</i>	<i>Date Collected</i>	<i>Time Collected</i>	<i>Comments</i>			
A	05/02/25	12:20	Long Pond Reservoir			
<i>Analysis Requested</i>	<i>Units</i>	<i>Recommended Limits</i>	<i>Analysis Result</i>	<i>Method</i>	<i>Date Analyzed</i>	<i>Analyzed By</i>
Arsenic*	mg/L	0.010	ND	EPA 200.8	05/06/2025	BCL*

**Comments:**

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.

We certify that the following results are true and accurate to the best of our knowledge.



**Date** 5/8/2025

**Ronald J. Saari**  
Laboratory Director



## Inorganic Contaminant Report

**I. PWS INFORMATION: Please refer to your DEP Water Quality Sampling Schedule (WQSS) to help complete this form**

PWS ID #:  City / Town:   
 PWS Name:  PWS Class: COM  NTNC  TNC

DEP LOCATION (LOC) ID#	DEP Location Name	Sample Information <small>*Please note all samples are considered representative of finished water if there is no treatment applied</small>	Date Collected	Collected By
01S	LONG POND (01S) - RAW	<input type="checkbox"/> Multiple <input checked="" type="checkbox"/> Raw <input checked="" type="checkbox"/> Single <input type="checkbox"/> Finished	5/2/2025	Sean Morin
<b>Routine or Special Samp!</b>	<b>Original, Resubmitted or Confirmation Report</b>	<b>If Resubmitted Report, list below:</b>		
<input checked="" type="checkbox"/> RS <input type="checkbox"/> SS	<input checked="" type="checkbox"/> Original <input type="checkbox"/> Resubmitted <input type="checkbox"/> Confirmation	<input type="checkbox"/> Resample <input type="checkbox"/> Reanalysis <input type="checkbox"/> Report Correction	(1) Reason for Resubmission      (2) Collection Date of Original Sample	
<b>SAMPLE NOTES - (Such as, if a Manifold/Multiple sample, list the spources that were on-line during sample collection.)</b>				
Long Pond Reservior				

**II. ANALYTICAL LABORATORY INFORMATION**

Primary Lab MA Cert. #:  Primary Lab Name:  Subcontracted? (Y/N)

Contaminant	Result (mg/L)	MCL (mg/L)	MDL (mg/L)	Lab Method	Date Analyzed	Analysis Lab MA Cert #	Analysis Lab Name	Lab Sample ID#
ANTIMONY		0.006						
ARSENIC	ND	0.010	0.0010	EPA 200.8	5/6/2025	M-MA063	Envirotech Laboratories	DW-251754A
BARIUM		2						
BERYLLIUM		0.004						
CADMIUM		0.005						
CHROMIUM		0.1						
CYANIDE		0.2						
FLUORIDE <sup>1</sup>		4.0						
MERCURY <sup>2</sup>		0.002						
NICKEL		0.1*						
SELENIUM		0.05						
SODIUM		20*						
THALLIUM		0.002						

<sup>1</sup> Fluoride also has a secondary MCL of 2.0 mg/L. Community water systems which exceed this limit must provide public notice pursuant to 310 CMR 22.16.

<sup>2</sup> Please note that if method 245.1 is used for mercury, only method revision 3.0 will be accepted by MA DEP.

\* No current MCL, however DEP Office of Research and Standards has established a guideline (ORSG) limit for this contaminant.

Was this Sample composited by the Lab?	Composite Sample Notes <small>List the composited sources by DEPSource Code (XXXXXXX-XXX), up to five sources per sample.</small>
Yes <input type="checkbox"/>	

**LAB SAMPLE NOTES**

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*I certify under penalties 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 extent of my knowledge.*

Primary Lab Director Signature:

Date:

*If not submitting these results electronically, mail TWO copies of this report to your DEP Regional Office no later than 10 days after the end of the month in which you received this report or no later than 10 days after the end of the reporting period, whichever is sooner.*

DEP REVIEW STATUS (Initial and Date)	Review Comments	<input type="checkbox"/> WQTS Data Entered
<input type="checkbox"/> Accepted _____ <input type="checkbox"/> Disapproved _____		



# CERTIFICATE OF ANALYSIS

## Barnstable County Health Laboratory (M-MA009)

**Report Prepared for:**  
 Envirotech Laboratories  
 Envirotech Laboratories Inc.  
 8 Jan Sebastian Drive  
 Sandwich, MA, 02563

**Order #:** G25001299  
**Report Dated:** 5/6/2025  
**Description:** DW-251754A

<b>Laboratory ID#:</b>		Matrix:	Drinking Water		
Sample #: G25001299-001		Sampled:	5/2/2025	12:20:00	By: Sean Martin
Collection Address:		Received:	5/5/2025	15:35:00	By: zswift
Sample Location:	Long Pond Reservoir	Turn Around:	1 days		

  

Arsenic	RESULT	UNITS	RL	MCL	METHOD #	ANALYST	TESTED	TIME
Arsenic	ND	mg/L	0.0010	0.010	EPA 200.8	CL	5/6/2025	10:55

**Sample Results Summary :**  
 Based on the results of the parameters tested, the water is suitable for drinking.

Approved By:	Dan White	
On:	5/6/2025	

ND = None Detected      RL = Reporting Limit      MCL = Maximum Contaminant Level      MDL = Minimum Detection Limit



**ENVIROTECH LABORATORIES, INC.**

**MA CERT. NO.: M-MA 063**

8 Jan Sebastian Drive Unit 12  
Sandwich, MA 02563  
(508)888-6460 1-800-339-6460  
FAX (508)888-6446

**Client Name :** Falmouth Water Dept.  
**Address :** 650 Gifford St  
Falmouth, MA  
02540  
**Collected By :** XXXXXXXXXX  
**Sample Type :** Town Water

**Location :** Long Pond Reservoir  
Falmouth, MA  
**Lab Number :** DW-251755  
**Date Received :** 05/02/25  
**Well Specs :**

<i>Location Source</i>	<i>Date Collected</i>	<i>Time Collected</i>	<i>Comments</i>			
A	05/02/25	12:20	Long Pond Reservoir			
<i>Analysis Requested</i>	<i>Units</i>	<i>Recommended Limits</i>	<i>Analysis Result</i>	<i>Method</i>	<i>Date Analyzed</i>	<i>Analyzed By</i>
Lead*	mg/L	0.015	ND	EPA 200.8	05/06/2025	BCL*

**Comments:**

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.  
We certify that the following results are true and accurate to the best of our knowledge.

  
**Ronald J. Saari**  
Laboratory Director

**Date** 5/8/2025



### Lead and Copper Analysis Report

**I. PWS INFORMATION:** Please refer to your DEP Lead and Copper sampling plan for approved sampling locations.

PWS ID #:  City / Town:   
 PWS Name:  PWS Class: COM  NTNC  TNC

Routine or Special Samples	Original, Resubmitted or Confirmation Report	If Resubmitted Report, list below:	
		(1) Reason for Resubmission	(2) Collection Date of Original Sample
<input checked="" type="checkbox"/> RS <input type="checkbox"/> SS <input checked="" type="checkbox"/> Original <input type="checkbox"/> Resubmitted <input type="checkbox"/> Confirmation <input type="checkbox"/> Resample <input type="checkbox"/> Reanalysis <input type="checkbox"/> Report Correction			
SAMPLE NOTES- (Such as , if a Manifold/Multiple sample, list the sources that were on-line during sample collection).			
Long Pond Reservoir			

**II. ANALYTICAL LABORATORY INFORMATION:**

Primary Lab MA Cert #:  Primary Lab Name:  Subcontracted? (Y/N)

Analyte	Action Level (mg/L)	Lab Method	MDL (mg/L)	Analysis Lab MA Cert.#	Analysis Lab Name
Lead:	0.015	EPA 200.8	0.001	M-MA009	Barnstable County Lab
Copper:	1.3				Envirotech Laboratories, Inc.

LAB SAMPLE NOTES

DEP Approved Sample Location (See DEP approved LCR plan for sampling locations)	Collection Date	LEAD		COPPER		Lab Sample ID#
		Result (mg/L)	Date Analyzed	Result (mg/L)	Date Analyzed	
5A LONG POND (01S) - RAW	5/2/2025	ND	5/6/2025			DW-251755A

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

Primary Lab Director Signature: \_\_\_\_\_

*[Handwritten Signature]*  
 Date: 5-8-25

Date: \_\_\_\_\_

If not submitting these results electronically, mail ONE copy of this report to your DEP Regional Office no later than 10 days after the end of the month in which you received this report or no later than 10 days after the end of the reporting period, whichever is sooner.

COM and NTNC Public Water Suppliers must submit Forms LCR-D or LCR-E with this form to the appropriate DEP Regional Office.

DEP REVIEW STATUS (Initial Date)	Review Comments
<input type="checkbox"/> Accepted _____ <input type="checkbox"/> Disapproved _____	



# CERTIFICATE OF ANALYSIS

## Barnstable County Health Laboratory (M-MA009)

**Report Prepared for:**  
 Envirotech Laboratories  
 Envirotech Laboratories Inc.  
 8 Jan Sebastian Drive  
 Sandwich, MA, 02563

**Order #:** G25001300  
**Report Dated:** 5/6/2025  
**Description:** DW-251755A

<b>Laboratory ID#:</b>		Matrix:	Drinking Water		
Sample #: G25001300-001		Sampled:	5/2/2025	12:20:00	By: Sean Morin
Collection Address:		Received:	5/5/2025	15:35:00	By: zswift
Sample Location:	Long Pond Reservoir	Turn Around:	1 days		

  

Lead analysis									
ITEM	RESULT	UNITS	RL	MCL	METHOD #	ANALYST	TESTED	TIME	
Lead	ND	mg/L	0.0010	0.015	EPA 200.8	CL	5/6/2025	10:59	

**Sample Results Summary :**  
 Based on the results of the parameters tested, the water is suitable for drinking.

Approved By:	Dan White	
On:	5/6/2025	

ND = None Detected

RL = Reporting Limit

MCL = Maximum Contaminant Level

MDL = Minimum Detection Limit

