

CHRISTINE McKIERNAN, M.D. - Chair
MICHAEL ROSNER, M.D. - Vice Chair
KAREN WALSH PIO - Clerk
TONY JUDGE
STEPHEN FRANTZ

SHARON HART, Director of Public Health

NOTICE

**BOARD OF HEALTH MEETING
&
AGENDA**

January 14, 2025

6:00 p.m.

Join Zoom Webinar from your Computer:

Please click this URL to join:

<https://us02web.zoom.us/j/89991098897?pwd=Sq3R6wmxwCF6ZOHYP0dxaMiZuBReMa.1>
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US: +1 305 224 1968 US
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NOTE: Not all the topics listed in this notice may actually be reached for discussion. In addition, the topics listed are those which the Chair reasonably expects will be discussed as of the date of this notice.

To: Board of Health Members

From: Sharon D. Hart, Director of Public Health

Re: A Board of Health Meeting will be held on Tuesday, January 14, 2025 at 6:00 p.m. at the South Hadley Library.

1: Chair to Call the Meeting to Order

2: Acceptance of the Minutes of the December 10, 2024 meeting.

3: Announcements/Open Forum (10 Minutes)

4: Director's Report

5: New Business:

(a): EPA Promoting Fertilizer Full of PFAS Despite Knowing Risks– Stephen Frantz

(b): Fall 2024 Private Well Sampling

(c) Letter of Support for Phone & Social Media Free Schools in Massachusetts - South Hadley Policy

6: Old Business:

(a): Master Plan Follow-up

(b): Credible Mind Follow Up

(c): Follow-up Letter to Representative Neal: Gun Violence.

7: Set Next Meeting Date – (TBD) at 6:00 p.m. at South Hadley Public Library

8: Adjourn meeting

South Hadley
Board of Health Meeting

Date: 12-10-24 Time: 6:00 p.m.

Members: Dr. Christine McKiernan, Chair: Present Dr. Michael Rosner, Vice-Chair
Present Karen Walsh Pio, Clerk Present Tony Judge Present Stephen Frantz
Virtually Tom Irwin Present Sharon Hart Present Jennifer Jernigan Present
John Broderick, DPW Superintendent: Virtually

1. Chair to call the meeting to order 6:07 p.m.
2. Acceptance of the meeting minutes of 11-12-2024

The meeting minutes review was tabled until the next Board meeting.

3. Announcements/Open Forum (10 Minutes)-

Paint Stewardship Program: Tom Irwin spoke about the program and responsibilities, where unwanted oil-based and latex paint can go to participating retail stores for return at no cost. This would be a voluntary program for retailers and transfer stations. Tom asked the Board of Health to support this program and has also asked the Selectboard to support it. He would like the Board's support to pass a resolution in support of Massachusetts adopting this program. The resolution can then be presented to Massachusetts State Legislature in support of regulations being made in this area. Judge read the resolution out to the Board.

Motion to support Paint Stewardship Program Made by Stephen Frantz

2nd: Karen Walsh Pio

All in favor: Stephen Frantz - aye

Karen Walsh Pio – aye

Tony Judy – aye

Michael Rosner – aye

Christine McKiernan - aye

DPW Superintendent John Broderick stated that there is a definite need to control paint product disposal. John will sign the resolution if Sharon Hart gets it to him. Sharon Hart will do that.

4. **Director's Report – Director Hart provided an update on the latest activities and initiatives.**

Project Impact: Director Hart asked if the Board wanted to sign on for this project. Karen Walsh Pio spoke about this project that gives people resources for harm reduction. It is out of Braintree, a part of Baystate Community Services. It is a harm reduction program and Director Hart sent information about it in an email. It is a no obligation pledge and is founded by the Massachusetts Attorney General and the GE Foundation as a resource.

Motion to support Project Impact made by Karen Walsh Pio

2nd: Stephen Fantz

All in favor: Karen Walsh Pio – aye

Stephen Frantz – aye

Tony Judge – aye

Michael Rosner – aye

Christine McKiernan – aye

This is COPD Month: Information went out regarding the topic in both English and Spanish.

Director Hart attended the Deadly White Powder Symposium put on by the Executive Office of Public Safety and Security at Gillette Stadium.

The Council on Aging held their Winter Preparedness Fair and the regional public health nurse did a health webinar presentation and Director Hart did an emergency management presentation.

Opioid testing is coming to an end. Director Hart is trying to continue it and did some negotiating. It will now cost \$25,000 for three panels a year. Director Hart had worked in collaboration with the Chicopee Health Director to use Biobot as a vendor to get this cost.

Stephen Frantz requested that masking information to prevent COVID during the holidays be distributed. Director Hart stated that the Health Department has this information out on the Health Department website. Stephen stated that he will write out messaging to give to The Reminder to run. It was agreed upon with the Board that he can write his own name and state that he is a member of the Board of Health. He will also include in the article that residents can reach out to the Health Department for COVID tests and masks.

Director Hart ordered about 20,000 COVID tests and people are taking them. They are almost gone. She has ordered more.

Director Hart received the ADA Improvement Grant for 4 stair chairs. Training will happen and be paid for out of the grant. Bariatric cots were received for the shelters as well, out of the grant. All-terrain wheelchairs were approved. Most items were chosen so that they can be used for other situations, not just emergencies.

Five air sensors are now installed from the grant. They are at the Library, Town Hall, Fire Department #1, the DPW and the Wastewater Treatment Plant. Three more will be going into Chicopee and Holyoke has received some already. Director Hart will provide the Board with data on the air sensors in six months.

Director Hart discussed the Mass DOT grant that she applied for and received for 250 billboards for December and January to be displayed regarding vaccines. The billboards will have the same information on them that was on the buses.

Narcan was replaced in the Town Hall by Director Hart.

Georgina Maende, Health Compliance Specialist in the Health Department put out information on the website regarding brush fires and drought.

Director Hart is having a PSA message put out on the town's cable television network regarding Narcan training being available for residents after the new year.

Director Hart received a grant for Fluent Talk, translators that Lisa Wong, Town Administrator approved for use as part of the Selectboard requesting having translators available for Town Hall. Sharon received 8 translators to be distributed for use in the Town's public buildings and she will bring in one for the next Board meeting.

5. New Business:

a) Dry Brook Aquifer Isotope Study Report

This topic was postponed until next month, after the presentation in January is held.

b) Follow up – Flexible development information shared with the board. Request by Planning Board to have all public meetings recorded.

Chair McKiernan apologized for the quick reaction to the information brought at the end of the last meeting regarding Flexible Development. The Board discussed how to handle situations like this in the future and stated that they were all involved. It was not their intention to work against another board. They all reacted because they thought no one had the chance to review the information regarding the topic, especially the aquifer study report. The information was not totally correct that they were told regarding this situation. Working toward a solution so this doesn't happen again speaks to collaboration between Boards per Chair McKiernan and gets back to the Master Plan. Director Hart stated that she has requested to the Town Administrator, Lisa Wong, that the Development Review Team (DRT) meetings be reinstated at Town Hall to help improve communication between departments.

6. Old Business:

(a) CredibleMind Follow up questions – Zoom – Scott Dahl

Scott Dahl - joined at 7:20pm via Zoom

The Board had questions concerning the presentation they had watched regarding CredibleMind at a prior board meeting. The questions were as follows:

Who is responsible for the input and maintenance of the data in the program?

Director Hart stated that the PHE Grant Coordinator will be putting together all the data and entering it. It is their job to do this. Director Hart requested from Scott Dahl a list of what type of information he wants for this so she can see how much work this will be. Scott states 30 minutes each week to update. The company does the analytics on the data.

What is the cost to maintain this program?

Director Hart stated that the grant will pay for it. There is a one time set up fee. There is an annual licensing fee and no cost to the user normally. There is an additional cost of \$2500 for the language platform. All is covered by the grant that Director Hart obtained.

What is the liability if a person at risk is identified?

The CredibleMind program is educational only. It points people to local resources, 988 and local providers, etc. The users are informed that they are not being diagnosed by the program. The users are anonymous. The company's epidemiologists does the analyzing of the data for the Health Department. They track data at the aggregate level only. Data is only identifiable by town or locale.

The board will re-look at the prior presentation information. Chair McKiernan will reach out to Scott for a list of similar towns that are using CredibleMind, to tell us their experience on using the platform and maybe have them come to one of our board meetings. Director Hart offered to run the contract to the Town Council for review of liability issues. All board members were in agreement for Director Hart to do this. Director Hart stated that the program was referred to the health departments by the National Association of County and City Health Organizations (NACCHO). They contracted with Credible Mind to put this program together.

(b) Master Plan – Roles and Goals

This topic will be postponed until next meeting.

(c) Letter to Representative Richard Neal re: Gun Violence and the Springfield Armory Magazine

The Board reviewed the letter and asked that the county named in the letter be corrected. Stephen will send the Board members a video on the subject that goes along with his letter. Chair McKiernan will resend Director Hart Stephen's letter to be put on Board of Health stationary and then attach the article with the gun image on it to the letter, putting all 5 Board members signature lines on the letter for next meeting to be signed.

(d) Update – South Hadley Drug & Alcohol Prevention Coalition – Karen Walsh Pio

Postponed due to time limits.

Set Next Meeting Date: January 14 at 6:00 p.m. at South Hadley Public Library

Motion to adjourn.

Motion ___ Karen Walsh Pio ___ 2nd ___ Tony Judge ___

All in favor: Christine McKiernan-aye

Stephen Frantz -aye

Karen Walsh Pio – aye

Tony Judge- aye

Michael Rosner – aye

Board of Health meeting adjourned: 7:57 p.m.

EPA Promoting Fertilizer Full of PFAS Despite Knowing Risks

New reporting shows the EPA was warned over 20 years ago that sewage sludge contained high levels of so-called "forever chemicals."

By BRETT WILKINS · Dec 27, 2024



The U.S. Environmental Protection Agency continues to promote a commonly used commercial fertilizer despite being informed over 20 years ago that its key component contained high levels of so-called "forever chemicals," a *New York Times* investigation revealed Friday.

The *Times'* Hiroko Tabuchi reviewed thousands of pages of decades-old documents and found that scientists at chemical giant 3M discovered high levels of per- and polyfluoroalkyl substances (PFAS) in U.S. sewage during the early

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"The EPA continues to promote sewage sludge as fertilizer and doesn't require testing for PFAS."

However, as Tabuchi noted, "the EPA continues to promote sewage sludge as fertilizer and doesn't require testing for PFAS, despite the fact that whistleblowers, academics, state officials, and the agency's internal studies over the years have also raised contamination concerns."

According to the U.S. Agency for Toxic Substances and Disease Registry, PFAS are linked to cancers of the kidneys and testicles, low infant weight, suppressed immune function, and other adverse health effects. They are found in the blood of around 99% of people around the world. EPA data show there's PFAS in the drinking water of tens of millions of Americans.

According to Tabuchi, EPA experts raised concerns about PFAS as far back as the 1990s, but their warnings went unheeded.

The *Times* investigation follows reporting earlier this month led by *Prism's* Rebecca Barglowski showing that EPA and state officials in New Jersey have known about PFAS-contaminated water for nearly two decades.

Tabuchi noted that "the country is starting to wake up to the consequences" of PFAS' ubiquity. However, only one state—Maine—has begun systematically testing farms for PFAS. It has also banned the use of sewage sludge to fertilize

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rump will roll back Biden-era regulations, disempower agency specialists, and let political appointees make crucial regulatory decisions.

Even under Biden, the EPA is arguing that it cannot be sued for taking inadequate action to protect the public from PFAS contamination.

In June, Public Employees for Environmental Responsibility (PEER) sued the EPA on behalf of a group of farmers, ranchers, and green groups "for failing to perform its nondiscretionary duty to identify and regulate toxic pollutants in sewage sludge" used as fertilizer. In September, the EPA moved to dismiss the lawsuit, arguing that it has complete discretion regarding the identification and listing of pollutants.

"EPA seems to have lost any sense of its legal and moral obligation to protect public health," attorney and former EPA scientist Kyla Bennett said at the time. "Under the plain language of the Clean Water Act, EPA has a mandatory duty to identify and regulate substances that are a threat to human health and the environment—not just to issue a report about it."

On January 20th, it begins...

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Political revenge. Mass deportations. Project 2025. Unfathomable corruption. Attacks on Social Security, Medicare, and Medicaid. Pardons for insurrectionists. An all-out assault on democracy.

Republicans in Congress are scrambling to give Trump broad new powers to strip the tax-exempt status of any nonprofit he doesn't like by declaring it a "terrorist-supporting organization." Trump has already begun filing lawsuits against news outlets that criticize him. At Common Dreams, we won't back down, but we must get ready for whatever Trump and his thugs throw at us.


Our Year-End campaign is our most important fundraiser of the year. As a people-powered nonprofit news outlet, we cover issues the corporate media never will, but we can only continue with

Paul M. donated \$27.20

 Melbourne, Australia

6 hours ago

Czikus C. donated €16.30

 Amsterdam, The Netherlands

7 hours ago

Hans L. donated \$8.80

 Stockholm, Sweden

9 hours ago

Walter B. donated \$5.50

9 hours ago

Marni H. donated \$4.60

 Lansing, United States

"I've been following you and advocating for you for years, but unable to give. I've just been approved for SSI and I want to share it with you, but I can't afford very much. Things are so very bad in the world right now and we need you to keep up the good work you

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Michael Rosner M.D., Vice-Chair
KAREN WALSH PIO, LICSW, LADC-1, Clerk
STEPHEN FRANTZ
TONY JUDGE

SHARON HART, Director of Public Health

December 19, 2024

Michael Mulvaney
156 Old Lyman Road
South Hadley, MA 01075

Re: **Fall 2024 Private Well Sampling**
156 Old Lyman Road, South Hadley, MA

Dear Mr. Mulvaney:

Enclosed is a copy of the laboratory analytical results of the well water samples collected from the private well located at 156 Old Lyman Road (sample "PW-5") as part of the environmental monitoring program for the South Hadley Landfill. Tighe & Bond collected well water samples for laboratory analysis on October 21, 2024, with a confirmatory follow-up sample collected for 1,4-dioxane analysis on November 14, 2024. Results indicate:

- The semi-volatile organic compound (SVOC) 1,4-dioxane was reported in the well water at a concentration of 0.65 ug/L, which exceeds the Office of Research and Standards Guideline (ORSG) of 0.3 ug/L. Because of the reported 1,4-dioxane detection, Tighe & Bond collected a confirmatory sample for 1,4-dioxane analysis on November 14, 2024. The November 14, 2024, results indicate 1,4-dioxane was not detected in PW-5 above laboratory reporting limits, which are below the ORSG of 0.3 ug/L for 1,4-dioxane. The November 14, 2024, data is consistent with past results.
- The general chemistry analyses and field parameters indicate good quality drinking water; no regulatory standards or guidelines were exceeded for those analyses. The pH of the October 21, 2024, sample (7.90 standard pH units) was within the Massachusetts Secondary Contaminant Level for drinking water range of 6.50 to 8.50 standard pH units.
- The metal sodium (Na) was detected at 33,000 ug/L in the PW-5 sample, which exceeds the ORSG of 20,000 ug/L. Trace arsenic and lead were also detected in the sample, below the MMCL drinking water standard, the results consistent with previous detections in the well water.
- Per- and polyfluoroalkyl substances (PFAS) were not detected in the water sample.

If you have any questions about these results, please contact Nick Guidi with Tighe & Bond at 508-244-8466.

Sincerely,



Sharon D. Hart
Public Health Director,
Town of South Hadley

Enclosures:

Summary of Current Private Well Data
Laboratory Analytical Report Results

Copy: James Scheffler, MassDEP (w/encl.)
Board of Health, Members - Town of South Hadley (w/encl.)
Department of Public Works - Town of South Hadley (w/encl.)
Daniel Boulais, Tighe & Bond (w/encl.)
Lisa Wong, Town Administrator - Town of South Hadley

Summary of Current Private Well Data
 South Hadley Landfill
 South Hadley, Massachusetts

Sample ID	Massachusetts Drinking Water Criteria			MCP Criteria	PW-5	PW-5	Trip Blank	FB
	MMCL	SMCL	ORSG	GW-1	10/21/24	11/14/24	10/21/24	10/21/24
Sample Date								
VOCs 524 (µg/L)								
Acetone	NS	NS	6,300	6,300	<10	-	<10	-
Benzene	5	NS	NS	5	<0.50	-	<0.50	-
Bromobenzene	NS	NS	NS	NS	<0.50	-	<0.50	-
Bromochloromethane	NS	NS	NS	NS	<0.50	-	<0.50	-
Bromodichloromethane	NS	NS	NS	3	<0.50	-	<0.50	-
Bromoform	NS	NS	NS	4	<0.50	-	<0.50	-
Bromomethane	NS	NS	10	10	<0.50	-	<0.50	-
Butylbenzene, n-	NS	NS	NS	NS	<0.50	-	<0.50	-
Butylbenzene, sec-	NS	NS	NS	NS	<0.50	-	<0.50	-
Butylbenzene, tert-	NS	NS	NS	NS	<0.50	-	<0.50	-
Carbon tetrachloride	5	NS	NS	5	<0.50	-	<0.50	-
Chlorobenzene	100	NS	NS	100	<0.50	-	<0.50	-
Chloroethane	NS	NS	NS	NS	<0.50	-	<0.50	-
Chloroform	NS	NS	NS	70	<0.50	-	0.68	-
Chloromethane	NS	NS	NS	NS	<0.50	-	<0.50	-
Chlorotoluene, 2-	NS	NS	NS	NS	<0.50	-	<0.50	-
Chlorotoluene, 4-	NS	NS	NS	NS	<0.50	-	<0.50	-
Dibromo-3-chloropropane, 1,2-	0.2	NS	NS	NS	<1.0	-	<1.0	-
Dibromochloromethane	NS	NS	NS	2	<0.50	-	<0.50	-
Dibromomethane	NS	NS	NS	NS	<0.50	-	<0.50	-
Dichlorobenzene, 1,2- (o-DCB)	600	NS	NS	600	<0.50	-	<0.50	-
Dichlorobenzene, 1,3-(m-DCB)	NS	NS	NS	100	<0.50	-	<0.50	-
Dichlorobenzene, 1,4- (p-DCB)	5	NS	NS	5	<0.50	-	<0.50	-
Dichlorodifluoromethane	NS	NS	1,400	NS	<0.50	-	<0.50	-
Dichloroethane, 1,1-	NS	NS	70	70	<0.50	-	<0.50	-
Dichloroethane, 1,2-	5	NS	NS	5	<0.50	-	<0.50	-
Dichloroethylene, 1,1-	7	NS	NS	7	<0.50	-	<0.50	-
Dichloroethylene, cis-1,2-	70	NS	NS	70	<0.50	-	<0.50	-
Dichloroethylene, trans-1,2-	100	NS	NS	100	<0.50	-	<0.50	-
Dichloropropane, 1,2-	5	NS	NS	5	<0.50	-	<0.50	-
Dichloropropane, 1,3-	NS	NS	NS	0.4	<0.50	-	<0.50	-
Dichloropropane, 2,2-	NS	NS	NS	NS	<0.50	-	<0.50	-
Dichloropropene, 1,1-	NS	NS	NS	NS	<0.50	-	<0.50	-
Dichloropropene, 1,3- (Total)	NS	NS	0.4	NS	<0.50	-	<0.50	-
Dichloropropene, cis-1,3-	NS	NS	NS	NS	<0.50	-	<0.50	-
Dichloropropene, trans-1,3-	NS	NS	NS	NS	<0.50	-	<0.50	-
Ethylbenzene	700	NS	NS	700	<0.50	-	<0.50	-
Ethylene dibromide (EDB)	0.02	NS	NS	0.02	<0.50	-	<0.50	-
Hexachlorobutadiene	NS	NS	NS	0.6	<0.50	-	<0.50	-
Isopropylbenzene (cumene)	NS	NS	NS	NS	<0.50	-	<0.50	-
Isopropyltoluene, 4- (p-cymene)	NS	NS	NS	NS	<0.50	-	<0.50	-
Methyl butyl ketone (2-Hexanone)	NS	NS	NS	NS	<5.0	-	<5.0	-
Methyl Ethyl Ketone (MEK; 2-Butanone)	NS	NS	4,000	4,000	<5.0	-	<5.0	-
Methyl Isobutyl Ketone	NS	NS	350	350	<5.0	-	<5.0	-
Methyl Tert-Butyl Ether (MTBE)	NS	20	70	70	<0.50	-	<0.50	-
Methylene Chloride (Dichloromethane)	5	NS	NS	5	<0.50	-	0.48 J	-
Naphthalene	NS	NS	140	140	<0.50	-	<0.50	-
Propylbenzene, n-	NS	NS	NS	NS	<0.50	-	<0.50	-
Styrene	100	NS	NS	100	<0.50	-	<0.50	-
Tetrachloroethane, 1,1,1,2-	NS	NS	NS	5	<0.50	-	<0.50	-
Tetrachloroethane, 1,1,2,2-	NS	NS	NS	2	<0.50	-	<0.50	-
Tetrachloroethylene	5	NS	NS	5	<0.50	-	<0.50	-
Toluene	1,000	NS	NS	1,000	<0.50	-	<0.50	-
Trichlorobenzene, 1,2,3-	NS	NS	NS	NS	<0.50	-	<0.50	-
Trichlorobenzene, 1,2,4-	70	NS	NS	70	<0.50	-	<0.50	-
Trichloroethane, 1,1,1-	200	NS	NS	200	<0.50	-	<0.50	-
Trichloroethane, 1,1,2-	5	NS	NS	5	<0.50	-	<0.50	-
Trichloroethylene	5	NS	NS	5	<0.50	-	<0.50	-
Trichlorofluoromethane	NS	NS	NS	NS	<0.50	-	<0.50	-
Trichloropropane, 1,2,3-	NS	NS	NS	NS	<0.50	-	<0.50	-
Trichlorotrifluoroethane, 1,1,2- (Freon 113)	NS	NS	210,000	NS	<0.50	-	<0.50	-
Trihalomethanes (Total)	80	NS	NS	NS	<2.0	-	0.68 J	-
Trimethylbenzene, 1,2,4-	NS	NS	NS	NS	<0.50	-	<0.50	-
Trimethylbenzene, 1,3,5-	NS	NS	NS	NS	<0.50	-	<0.50	-
Vinyl chloride	2	NS	NS	2	<0.50	-	<0.50	-
Xylene (Total)	10,000	NS	NS	10,000	<0.50	-	<0.50	-
Xylene, m,p-	NS	NS	NS	NS	<1.0	-	<1.0	-
Xylene, o-	NS	NS	NS	NS	<0.50	-	<0.50	-
Tentatively Identified Compounds (µg/L)	NS	NS	NS	NS	<	-	<	-

Summary of Current Private Well Data
 South Hadley Landfill
 South Hadley, Massachusetts

Sample ID	Massachusetts Drinking Water Criteria			MCP Criteria	PW-5	PW-5	Trip Blank	FB
	MMCL	SMCL	ORSG	GW-1	10/21/24	11/14/24	10/21/24	10/21/24
General Chemistry (mg/L)								
Alkalinity (as CaCO3)	NS	NS	NS	NS	110	-	-	-
Chemical Oxygen Demand	NS	NS	NS	NS	<10	-	-	-
Chloride	NS	250	NS	NS	1.4	-	-	-
Nitrate	10	NS	NS	NS	<0.05	-	-	-
Solids (Total Dissolved)	NS	500	NS	NS	200	-	-	-
Sulfate as SO4	NS	250	NS	NS	8.8	-	-	-
Field Parameters								
Dissolved Oxygen (mg/L)	NS	NS	NS	NS	6.30	-	-	-
pH	NS	6.5 - 8.5	NS	NS	7.90	-	-	-
Specific Conductance (umhos/cm)	NS	NS	NS	NS	170	-	-	-
Temperature (Deg C)	NS	NS	NS	NS	12.71	-	-	-
Dissolved Metals 6010C/6020A (µg/L)								
Arsenic	10	NS	NS	10	2.2	-	-	-
Barium	2,000	NS	NS	2,000	55	-	-	-
Cadmium	5	NS	NS	5	<1.0	-	-	-
Calcium	NS	NS	NS	NS	18,000	-	-	-
Chromium (Total)	100	NS	NS	100	<4.0	-	-	-
Copper	1,300*	1,000	NS	NS	<4.0	-	-	-
Iron	NS	300	NS	NS	<60	-	-	-
Lead	15*	NS	NS	15	0.12 J	-	-	-
Manganese	NS	50	300	NS	20	-	-	-
Mercury (7471A/245.1)	2	NS	NS	2	<0.2	-	-	-
Selenium	50	NS	NS	50	<2.5	-	-	-
Silver	NS	100	NS	100	<1.0	-	-	-
Sodium	NS	NS	20,000	NS	33,000	-	-	-
Zinc	NS	5,000	NS	5,000	<16	-	-	-
Cyanide 9014 (µg/L)								
Cyanide (Total)	200	NS	NS	200	<10	-	-	-
SVOCs 8270D SIM/EPA Method 522 (µg/L)								
Dioxane, 1,4-	NS	NS	0.3	0.3	0.65	<0.20	-	-
MA Regulated PFAS 537(M) (ng/L)								
Perfluorodecanoic acid (PFDA)	NS	NS	NS	NS	<1.8	-	-	<1.8
perfluoroheptanoic acid (PFHpA)	NS	NS	NS	NS	<1.8	-	-	<1.8
perfluorohexanesulfonic acid (PFHxS)	NS	NS	NS	NS	<1.8	-	-	<1.8
perfluorononanoic acid (PFNA)	NS	NS	NS	NS	<1.8	-	-	<1.8
perfluorooctanesulfonic acid (PFOS)	NS	NS	NS	NS	<1.8	-	-	<1.8
perfluorooctanoic acid (PFOA)	NS	NS	NS	NS	<1.8	-	-	<1.8
Regulated PFAS (Total)	20	NS	NS	20	ND	-	-	ND
Other PFAS 537(M) (ng/L)								
6:2 fluorotelomer sulfonic acid	NS	NS	NS	NS	<4.6	-	-	<4.6
8:2 fluorotelomer sulfonic acid	NS	NS	NS	NS	<1.8	-	-	<1.8
N-EtFOSAA	NS	NS	NS	NS	<4.6	-	-	<4.6
N-MeFOSAA	NS	NS	NS	NS	<4.6	-	-	<4.6
perfluorobutanesulfonic acid (PFBS)	NS	NS	NS	NS	<1.8	-	-	<1.8
Perfluorobutanoic acid (PFBA)	NS	NS	NS	NS	<4.6	-	-	<4.6
Perfluorodecanesulfonic acid (PFDS)	NS	NS	NS	NS	<1.8	-	-	<1.8
Perfluorododecanoic acid (PFDoA)	NS	NS	NS	NS	<1.8	-	-	<1.8
Perfluoroheptanesulfonic Acid (PFHpS)	NS	NS	NS	NS	<1.8	-	-	<1.8
Perfluorohexanoic acid (PFHxA)	NS	NS	NS	NS	<1.8	-	-	<1.8
Perfluorooctane sulfonamide (PFOSA)	NS	NS	NS	NS	<1.8	-	-	<1.8
Perfluoropentanoic acid (PFPeA)	NS	NS	NS	NS	<1.8	-	-	<1.8
Perfluorotetradecanoic acid (PFTA)	NS	NS	NS	NS	<1.8	-	-	<1.8
Perfluorotridecanoic acid (PFTrDA)	NS	NS	NS	NS	<1.8	-	-	<1.8
Perfluoroundecanoic acid (PFUnA)	NS	NS	NS	NS	<1.8	-	-	<1.8

Notes

µg/L - micrograms/liter, mg/L - milligrams/liter,
 umhos/cm - umhos per centimeter
 B - Compound was found in the blank and sample.
 J - Result is less than the RL but greater than or equal to the
 H - Analyzed outside of hold time
 MDL and the concentration is an approximate value.
 Boxed and bolded values indicate an exceedance

NS - No Standard
 <## - Sample not reported above reporting limit
 NS - No Standard
 GW-1 - MCP Method 1 drinking water standards
 MMCL - Massachusetts Maximum Contaminant Le
 SMCL - Secondary Maximum Contaminant Levels
 ORSG - Office of Research and Standards Guideli
 SMCL criteria for MTBE is lowest value of range

Client Sample Results

Client: Tighe & Bond
Project/Site: S-1817 South Hadley Landfill

Job ID: 620-21755-1

Client Sample ID: MW-32S

Lab Sample ID: 620-21755-12

Date Collected: 10/21/24 12:30

Matrix: Water

Date Received: 10/22/24 11:48

Method: SW846 6020B - Metals (ICP/MS) - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	4900		120	9.0	ug/L		10/22/24 14:34	10/24/24 13:21	1
Lead	ND		1.2	0.12	ug/L		10/22/24 14:34	10/24/24 13:21	1
Manganese	620		8.0	1.4	ug/L		10/22/24 14:34	10/24/24 13:21	1
Selenium	ND		2.5	0.68	ug/L		10/22/24 14:34	10/24/24 13:21	1
Silver	ND		2.0	0.41	ug/L		10/22/24 14:34	10/24/24 13:21	1
Sodium	74000		200	200	ug/L		10/22/24 14:34	10/24/24 13:21	1
Zinc	3.8	J	16	3.1	ug/L		10/22/24 14:34	10/24/24 13:21	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00014	mg/L		10/31/24 11:09	11/01/24 10:38	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	570		1.5	0.23	mg/L			10/31/24 09:02	1
Calcium hardness as calcium carbonate	490		1.2	0.17	mg/L			10/31/24 09:02	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total (SM 2320B-2011)	560		5.0	5.0	mg/L			11/01/24 16:27	1
Chloride (EPA 300.0)	120	E	1.0	0.87	mg/L			11/02/24 00:47	2
Sulfate (EPA 300.0)	2.5		1.0	0.82	mg/L			11/02/24 00:47	2
Chemical Oxygen Demand (EPA 410.4)	25		10	3.3	mg/L			11/04/24 15:59	1
Cyanide, Total (SW846 9012B)	ND		0.010	0.0040	mg/L		11/02/24 22:41	11/03/24 16:59	1
Total Dissolved Solids (SM 2540C)	450		10	10	mg/L			10/24/24 09:27	1

Method: Nitrate by 300IC - EPA 300.0

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as Nitrogen	0.11		0.05		mg/L		10/22/24 22:09	10/22/24 22:09	1

Client Sample ID: PW-5

Lab Sample ID: 620-21755-13

Date Collected: 10/21/24 10:30

Matrix: Water

Date Received: 10/22/24 11:48

Method: EPA-DW 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50	0.10	ug/L			10/24/24 17:17	1
Carbon tetrachloride	ND		0.50	0.10	ug/L			10/24/24 17:17	1
Chlorobenzene	ND		0.50	0.10	ug/L			10/24/24 17:17	1
1,2-Dichlorobenzene	ND		0.50	0.20	ug/L			10/24/24 17:17	1
1,4-Dichlorobenzene	ND		0.50	0.10	ug/L			10/24/24 17:17	1
1,2-Dichloroethane	ND		0.50	0.10	ug/L			10/24/24 17:17	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			10/24/24 17:17	1
cis-1,2-Dichloroethene	ND		0.50	0.10	ug/L			10/24/24 17:17	1
trans-1,2-Dichloroethene	ND		0.50	0.10	ug/L			10/24/24 17:17	1
1,2-Dichloropropane	ND		0.50	0.10	ug/L			10/24/24 17:17	1
Ethylbenzene	ND		0.50	0.10	ug/L			10/24/24 17:17	1
Methylene Chloride	ND		0.50	0.20	ug/L			10/24/24 17:17	1
Styrene	ND		0.50	0.10	ug/L			10/24/24 17:17	1

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Client Sample Results

Client: Tighe & Bond
 Project/Site: S-1817 South Hadley Landfill

Job ID: 620-21755-1

Client Sample ID: PW-5

Lab Sample ID: 620-21755-13

Date Collected: 10/21/24 10:30

Matrix: Water

Date Received: 10/22/24 11:48

Method: EPA-DW 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	ND		0.50	0.10	ug/L			10/24/24 17:17	1
Toluene	ND		0.50	0.10	ug/L			10/24/24 17:17	1
1,2,4-Trichlorobenzene	ND		0.50	0.20	ug/L			10/24/24 17:17	1
1,1,1-Trichloroethane	ND		0.50	0.10	ug/L			10/24/24 17:17	1
1,1,2-Trichloroethane	ND		0.50	0.10	ug/L			10/24/24 17:17	1
Vinyl chloride	ND		0.50	0.10	ug/L			10/24/24 17:17	1
Chloroform	ND		0.50	0.10	ug/L			10/24/24 17:17	1
Dichlorobromomethane	ND		0.50	0.10	ug/L			10/24/24 17:17	1
Bromoform	ND		0.50	0.20	ug/L			10/24/24 17:17	1
Chlorodibromomethane	ND		0.50	0.10	ug/L			10/24/24 17:17	1
Bromobenzene	ND		0.50	0.10	ug/L			10/24/24 17:17	1
Chlorobromomethane	ND		0.50	0.10	ug/L			10/24/24 17:17	1
Bromomethane	ND		0.50	0.10	ug/L			10/24/24 17:17	1
n-Butylbenzene	ND		0.50	0.20	ug/L			10/24/24 17:17	1
sec-Butylbenzene	ND		0.50	0.20	ug/L			10/24/24 17:17	1
tert-Butylbenzene	ND		0.50	0.10	ug/L			10/24/24 17:17	1
Chloroethane	ND		0.50	0.20	ug/L			10/24/24 17:17	1
Chloromethane	ND		0.50	0.20	ug/L			10/24/24 17:17	1
2-Chlorotoluene	ND		0.50	0.10	ug/L			10/24/24 17:17	1
4-Chlorotoluene	ND		0.50	0.20	ug/L			10/24/24 17:17	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.40	ug/L			10/24/24 17:17	1
Ethylene Dibromide	ND		0.50	0.10	ug/L			10/24/24 17:17	1
Dibromomethane	ND		0.50	0.10	ug/L			10/24/24 17:17	1
1,3-Dichlorobenzene	ND		0.50	0.10	ug/L			10/24/24 17:17	1
Dichlorodifluoromethane	ND		0.50	0.20	ug/L			10/24/24 17:17	1
1,1-Dichloroethane	ND		0.50	0.10	ug/L			10/24/24 17:17	1
1,3-Dichloropropane	ND		0.50	0.10	ug/L			10/24/24 17:17	1
2,2-Dichloropropane	ND		0.50	0.20	ug/L			10/24/24 17:17	1
1,1-Dichloropropene	ND		0.50	0.10	ug/L			10/24/24 17:17	1
cis-1,3-Dichloropropene	ND		0.50	0.10	ug/L			10/24/24 17:17	1
trans-1,3-Dichloropropene	ND		0.50	0.10	ug/L			10/24/24 17:17	1
Hexachlorobutadiene	ND		0.50	0.20	ug/L			10/24/24 17:17	1
Isopropylbenzene	ND		0.50	0.10	ug/L			10/24/24 17:17	1
4-Isopropyltoluene	ND		0.50	0.20	ug/L			10/24/24 17:17	1
Methyl tert-butyl ether	ND		0.50	0.10	ug/L			10/24/24 17:17	1
Naphthalene	ND		0.50	0.20	ug/L			10/24/24 17:17	1
N-Propylbenzene	ND		0.50	0.10	ug/L			10/24/24 17:17	1
1,1,1,2-Tetrachloroethane	ND		0.50	0.10	ug/L			10/24/24 17:17	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.10	ug/L			10/24/24 17:17	1
1,2,3-Trichlorobenzene	ND		0.50	0.20	ug/L			10/24/24 17:17	1
Trichlorofluoromethane	ND		0.50	0.20	ug/L			10/24/24 17:17	1
1,2,3-Trichloropropane	ND		0.50	0.20	ug/L			10/24/24 17:17	1
1,2,4-Trimethylbenzene	ND		0.50	0.10	ug/L			10/24/24 17:17	1
1,3,5-Trimethylbenzene	ND		0.50	0.10	ug/L			10/24/24 17:17	1
o-Xylene	ND		0.50	0.10	ug/L			10/24/24 17:17	1
m-Xylene & p-Xylene	ND		1.0	0.20	ug/L			10/24/24 17:17	1
Acetone	ND		10	3.0	ug/L			10/24/24 17:17	1
2-Butanone (MEK)	ND		5.0	2.0	ug/L			10/24/24 17:17	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.80	ug/L			10/24/24 17:17	1

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Client Sample Results

Client: Tighe & Bond
 Project/Site: S-1817 South Hadley Landfill

Job ID: 620-21755-1

Client Sample ID: PW-5
 Date Collected: 10/21/24 10:30
 Date Received: 10/22/24 11:48

Lab Sample ID: 620-21755-13
 Matrix: Water

Method: EPA-DW 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Hexanone	ND		5.0	1.0	ug/L			10/24/24 17:17	1
Trichloroethene	ND		0.50	0.10	ug/L			10/24/24 17:17	1
Xylenes, Total	ND		0.50	0.10	ug/L			10/24/24 17:17	1
Trihalomethanes, Total	ND		2.0	0.50	ug/L			10/24/24 17:17	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.20	ug/L			10/24/24 17:17	1
1,3-Dichloropropene, Total	ND		0.50	0.10	ug/L			10/24/24 17:17	1
Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	0.66	TJ	ug/L		4.54	N/A		10/24/24 17:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene-d4	98		80 - 120					10/24/24 17:17	1
4-Bromofluorobenzene (Surr)	92		80 - 120					10/24/24 17:17	1

Method: SW846 8270E SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.65		0.20	0.050	ug/L		10/23/24 15:05	10/25/24 14:49	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	27		10 - 150				10/23/24 15:05	10/25/24 14:49	1

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		4.6	1.1	ng/L		10/29/24 08:18	10/29/24 22:50	1
Perfluoropentanoic acid (PFPeA)	ND		1.8	0.45	ng/L		10/29/24 08:18	10/29/24 22:50	1
Perfluorohexanoic acid (PFHxA)	ND		1.8	0.68	ng/L		10/29/24 08:18	10/29/24 22:50	1
Perfluoroheptanoic acid (PFHpA)	ND		1.8	0.34	ng/L		10/29/24 08:18	10/29/24 22:50	1
Perfluorooctanoic acid (PFOA)	ND		1.8	0.38	ng/L		10/29/24 08:18	10/29/24 22:50	1
Perfluorononanoic acid (PFNA)	ND		1.8	0.20	ng/L		10/29/24 08:18	10/29/24 22:50	1
Perfluorodecanoic acid (PFDA)	ND		1.8	0.34	ng/L		10/29/24 08:18	10/29/24 22:50	1
Perfluoroundecanoic acid (PFUnA)	ND		1.8	0.25	ng/L		10/29/24 08:18	10/29/24 22:50	1
Perfluorododecanoic acid (PFDoA)	ND		1.8	0.40	ng/L		10/29/24 08:18	10/29/24 22:50	1
Perfluorotridecanoic acid (PFTriA)	ND		1.8	0.31	ng/L		10/29/24 08:18	10/29/24 22:50	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.8	0.28	ng/L		10/29/24 08:18	10/29/24 22:50	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.8	0.47	ng/L		10/29/24 08:18	10/29/24 22:50	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.8	0.36	ng/L		10/29/24 08:18	10/29/24 22:50	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		1.8	0.17	ng/L		10/29/24 08:18	10/29/24 22:50	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.8	0.46	ng/L		10/29/24 08:18	10/29/24 22:50	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.8	0.31	ng/L		10/29/24 08:18	10/29/24 22:50	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.8	0.38	ng/L		10/29/24 08:18	10/29/24 22:50	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		4.6	1.6	ng/L		10/29/24 08:18	10/29/24 22:50	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		4.6	1.5	ng/L		10/29/24 08:18	10/29/24 22:50	1
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	ND		4.6	1.7	ng/L		10/29/24 08:18	10/29/24 22:50	1
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	ND		1.8	1.2	ng/L		10/29/24 08:18	10/29/24 22:50	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
18O2 PFHxS	109		50 - 150				10/29/24 08:18	10/29/24 22:50	1
13C4 PFHpA	96		50 - 150				10/29/24 08:18	10/29/24 22:50	1

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Client Sample Results

Client: Tighe & Bond
Project/Site: S-1817 South Hadley Landfill

Job ID: 620-21755-1

Client Sample ID: PW-5

Lab Sample ID: 620-21755-13

Date Collected: 10/21/24 10:30

Matrix: Water

Date Received: 10/22/24 11:48

Method: EPA 537 (modified) - Fluorinated Alkyl Substances (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFOA	104		50 - 150	10/29/24 08:18	10/29/24 22:50	1
13C4 PFOS	108		50 - 150	10/29/24 08:18	10/29/24 22:50	1
13C5 PFNA	101		50 - 150	10/29/24 08:18	10/29/24 22:50	1
13C4 PFBA	100		50 - 150	10/29/24 08:18	10/29/24 22:50	1
13C2 PFHxA	102		50 - 150	10/29/24 08:18	10/29/24 22:50	1
13C2 PFDA	95		50 - 150	10/29/24 08:18	10/29/24 22:50	1
13C2 PFUnA	88		50 - 150	10/29/24 08:18	10/29/24 22:50	1
13C2 PFDoA	78		50 - 150	10/29/24 08:18	10/29/24 22:50	1
13C8 FOSA	97		50 - 150	10/29/24 08:18	10/29/24 22:50	1
13C5 PFPeA	103		50 - 150	10/29/24 08:18	10/29/24 22:50	1
13C2 PFTeDA	75		50 - 150	10/29/24 08:18	10/29/24 22:50	1
d3-NMeFOSAA	108		50 - 150	10/29/24 08:18	10/29/24 22:50	1
d5-NEtFOSAA	112		50 - 150	10/29/24 08:18	10/29/24 22:50	1
M2-6:2 FTS	105		50 - 150	10/29/24 08:18	10/29/24 22:50	1
M2-8:2 FTS	109		50 - 150	10/29/24 08:18	10/29/24 22:50	1
13C3 PFBS	104		50 - 150	10/29/24 08:18	10/29/24 22:50	1

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.2		1.0	0.51	ug/L		10/24/24 16:25	10/25/24 17:55	1
Barium	55		2.0	0.48	ug/L		10/24/24 16:25	10/25/24 17:55	1
Cadmium	ND		1.0	0.16	ug/L		10/24/24 16:25	10/25/24 17:55	1
Calcium	18000		100	100	ug/L		10/24/24 16:25	10/25/24 17:55	1
Chromium	ND		4.0	2.6	ug/L		10/24/24 16:25	10/25/24 17:55	1
Copper	ND		4.0	1.2	ug/L		10/24/24 16:25	10/25/24 17:55	1
Iron	ND		60	60	ug/L		10/24/24 16:25	10/25/24 17:55	1
Lead	0.12	J	0.60	0.12	ug/L		10/24/24 16:25	10/25/24 17:55	1
Manganese	20		8.0	1.5	ug/L		10/24/24 16:25	10/25/24 17:55	1
Selenium	ND		2.5	0.68	ug/L		10/24/24 16:25	10/25/24 17:55	1
Silver	ND		1.0	0.41	ug/L		10/24/24 16:25	10/25/24 17:55	1
Sodium	33000		100	100	ug/L		10/24/24 16:25	10/25/24 17:55	1
Zinc	ND		16	3.1	ug/L		10/24/24 16:25	10/25/24 17:55	1

Method: EPA 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00014	mg/L		10/31/24 11:09	11/01/24 10:40	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total (SM 2320B-2011)	110		5.0	5.0	mg/L			11/01/24 16:36	1
Total Dissolved Solids (SM 2540C - 2015)	200		2.5	2.5	mg/L			10/24/24 09:27	1
Chloride (EPA 300.0)	1.4		1.0	0.87	mg/L			11/02/24 01:03	2
Sulfate (EPA 300.0)	8.8		1.0	0.82	mg/L			11/02/24 01:03	2
Cyanide, Total (EPA 335.4)	ND		0.010	0.0040	mg/L		11/02/24 22:41	11/03/24 17:00	1
Chemical Oxygen Demand (EPA 410.4)	ND		10	3.3	mg/L			11/04/24 15:59	1

Method: Nitrate by 300IC - EPA 300.0

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as Nitrogen	ND		0.05		mg/L		10/22/24 22:17	10/22/24 22:17	1

Eurofins Rhode Island

ANALYTICAL REPORT

PREPARED FOR

Attn: Daniel J Boulais
Tighe & Bond
53 Southampton Road
Westfield, Massachusetts 01085

Generated 11/27/2024 11:38:06 AM

JOB DESCRIPTION

S-1817 South Hadley Landfill

JOB NUMBER

620-22293-1

Eurofins Rhode Island

Job Notes

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Authorization



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Definitions/Glossary

Client: Tighe & Bond

Job ID: 620-22293-1

Project/Site: S-1817 South Hadley Landfill

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Tighe & Bond
Project: S-1817 South Hadley Landfill

Job ID: 620-22293-1

Job ID: 620-22293-1

Eurofins Rhode Island

Job Narrative 620-22293-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The sample was received on 11/14/2024 12:15 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 7.0°C.

Receipt Exceptions

The following sample was received at the laboratory outside the required temperature criteria: PW-5 (620-22293-1). The sample(s) is considered acceptable since it was collected and submitted to the laboratory on the same day and there is evidence that the chilling process has begun.

GC/MS Semi VOA

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Eurofins Rhode Island

Client Sample Results

Client: Tighe & Bond
 Project/Site: S-1817 South Hadley Landfill

Job ID: 620-22293-1

Client Sample ID: PW-5

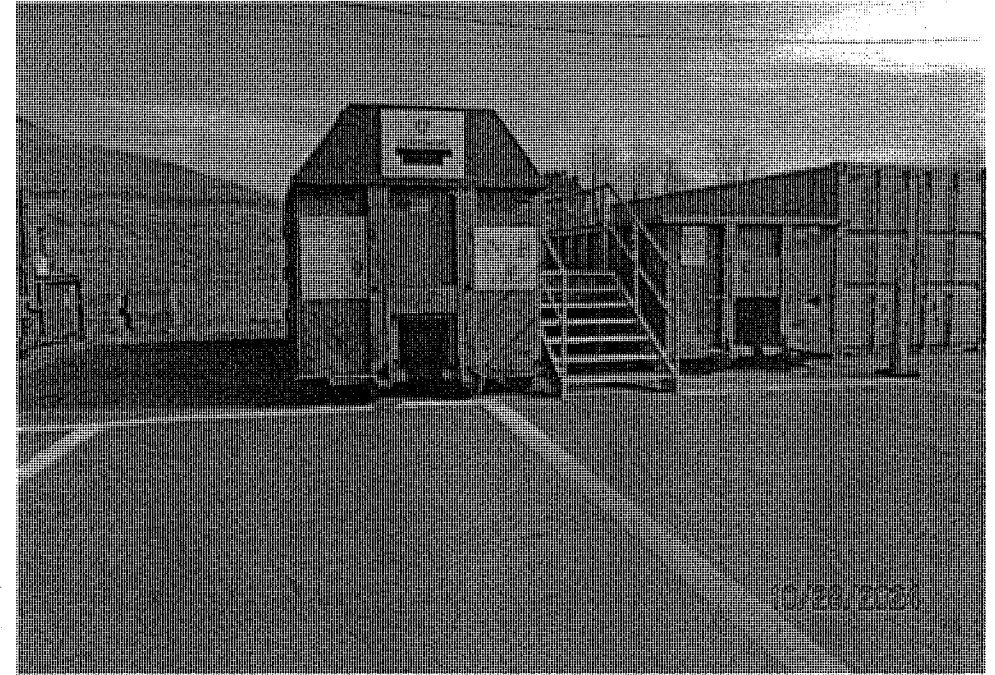
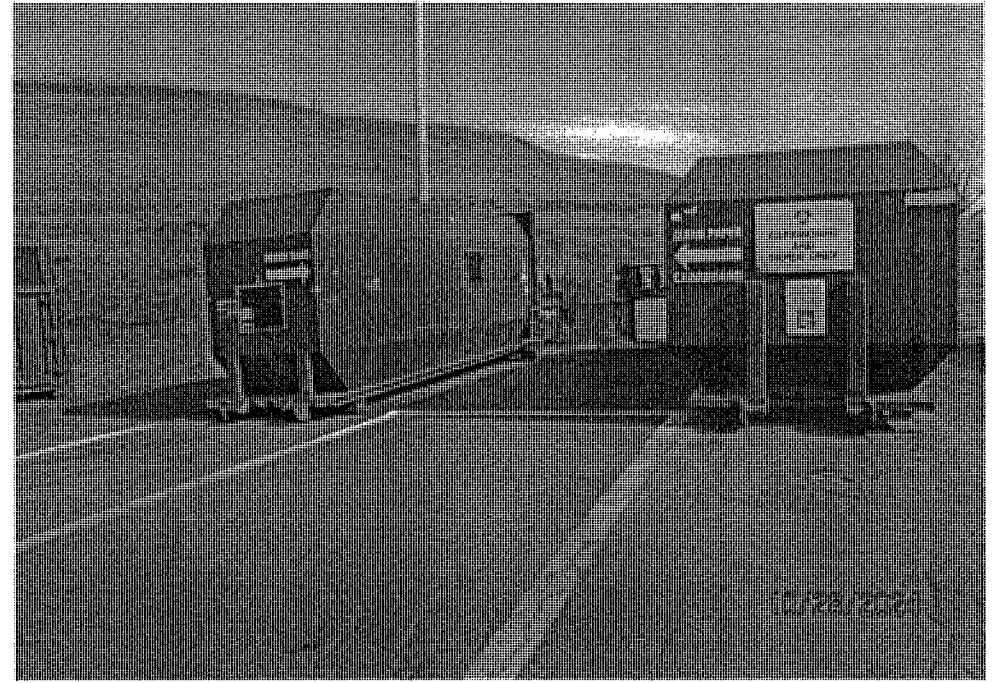
Lab Sample ID: 620-22293-1

Date Collected: 11/14/24 10:35

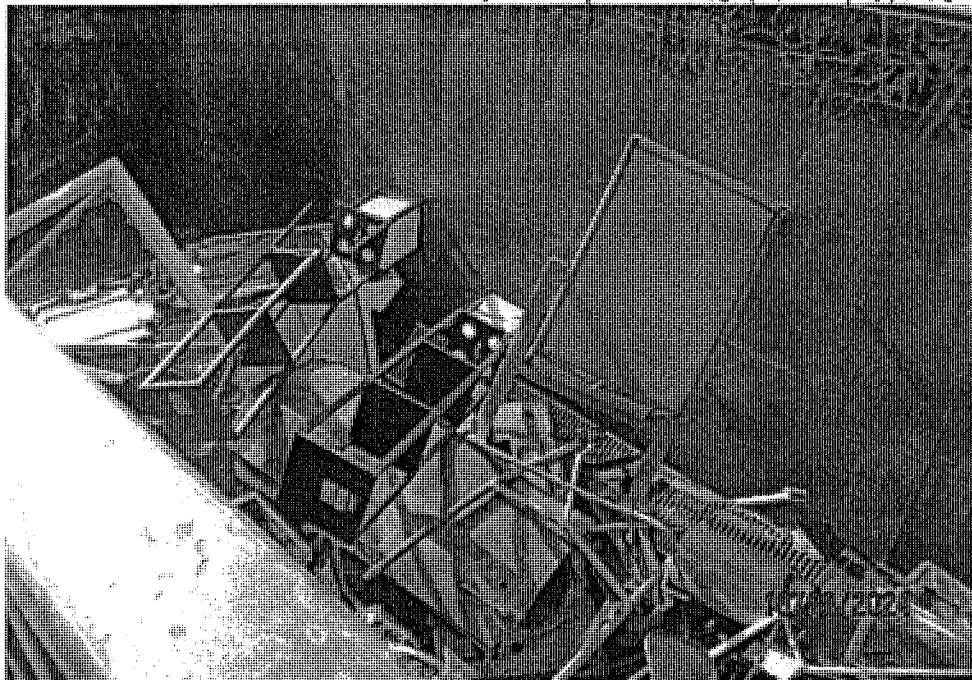
Matrix: Water

Date Received: 11/14/24 12:15

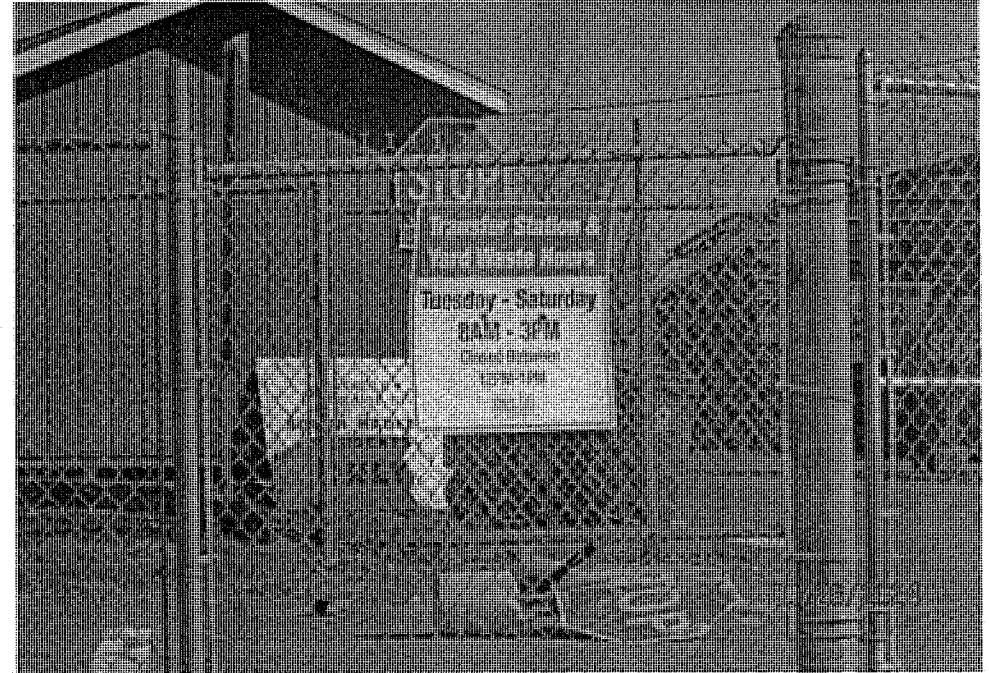
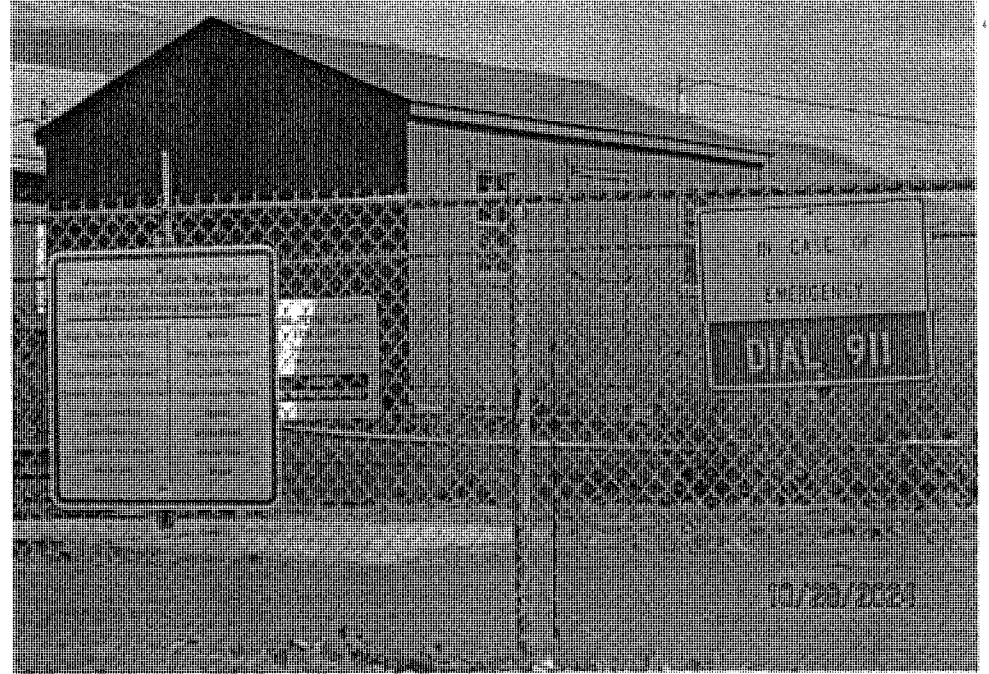
Method: EPA 522 - 1,4 Dioxane (GC/MS SIM)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.20	0.061	ug/L		11/22/24 10:30	11/26/24 15:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8 (Surr)	77		46 - 130				11/22/24 10:30	11/26/24 15:53	1



South Hadley transfer station 10/28/24



South Hadley transfer station 10/28/24






Massachusetts Department of Environmental Protection Bureau of Waste Prevention / Solid Waste Management

Third-Party Inspection Report – 310 CMR 19.018(8)
Operation & Maintenance

IX. Certification – THIRD-PARTY INSPECTOR

"I attest under the pains and penalty of perjury that:

1. I have personally examined and am familiar with the information contained in this submittal, including any and all documents accompanying this certification statement;
2. Based on my inquiry of those persons responsible for obtaining the information, the information contained in this submittal is, to the best of my knowledge, true, accurate and complete;
3. I have been able to conduct the third-party inspection and prepare the third-party inspection report without being influenced by the facility owner or operator and, (if I am a municipal employee) without being influenced by my municipal employer, by any coworker or by any elected or appointed official of the municipality; and
4. I am aware that there are significant penalties, including, but not limited to, possible administrative and civil penalties for submitting false, inaccurate, or incomplete information and possible fines and imprisonment for knowingly submitting false, inaccurate, or incomplete information."


Signature of Third-Party Inspector

Jan Ameen
Print Full Name

FCSWMD
Company Name

11/13/2024
Date (MM/DD/YYYY)

X. Certification – FACILITY OWNER/OPERATOR

Does the facility maintain a Financial Assurance Mechanism (FAM) pursuant to 310 CMR 19.051?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
If yes: • Enter the amount of the current FAM:	\$
• Enter the date of the last revision of the FAM amount, pursuant to 310 CMR 19.051(6):	
<i>As a reminder, pursuant to 310 CMR 19.051(6), the estimate of the cost of closure and post-closure maintenance must be revised every year, and every second year shall be submitted to the Department.</i>	

"I certify under the penalty of law:

1. That I have personally examined and am familiar with the information submitted in this third-party inspection report, including but not limited to the statements above concerning the financial assurance mechanism in place in accordance with any facility permit and 310 CMR 19.051, and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate and complete. I am aware that there are significant penalties both civil and criminal for submitting false information including possible fines and imprisonment.
2. That, in the event that this inspection report contains a recommendation for corrective action(s), I have completed and attached to this report a Corrective Action Plan and Schedule*, pursuant to 310 CMR 19.018(8)(c)2."

**Note: The owner or operator may elect to correct deviations identified in the Third-Party Inspection Report in a manner that is different than that recommended by the Third-Party Inspector, so long as the facility is brought back into compliance with applicable requirements.*

Signature of Responsible Official

Print Full Name

Title

Date (MM/DD/YYYY)

► Pursuant to 310 CMR 19.018(8)(c), a copy of each third-party inspection report shall be maintained at the facility in accordance with the requirements of 310 CMR 19.000. The owner and operator shall make third-party inspection reports available to personnel or authorized representatives of the Department for review at the facility upon request.

Within 30 days of the inspection date:	<ul style="list-style-type: none"> • Mail this completed form to the MassDEP Regional Office that serves the municipality in which the facility is located. (Attention: Solid Waste Management) • Send one copy to the local board of health for the municipality in which the facility is located. 	A list of municipalities and MassDEP Regional Offices is available online at: http://www.mass.gov/eea/agencies/massdep/about/contacts/find-the-massdep-regional-office-for-your-city-or-town.html
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Massachusetts Department of Environmental Protection Bureau of Waste Prevention / Solid Waste Management

Third-Party Inspection Report – 310 CMR 19.018(8)
Operation & Maintenance

VII. Summary and Recommendations

Pursuant to 310 CMR 19.018(6)(a)4., where a third-party inspector observes that the operation or maintenance of the facility deviates from the aforementioned applicable requirements, he or she shall document all such deviations and recommend corrective actions for the facility to take to return to compliance.

A. INSPECTION RESULTS

Based on the examinations and evaluations conducted in Sections V. and VI., please summarize the inspection results by checking one of the following determinations:

No deviations from the applicable performance standards or additional requirements listed at 310 CMR 19.018(6) were identified during this inspection.
If no deviations were identified during the inspection, check this box and proceed to Section VII.B.

Deviations from the applicable performance standards or additional requirements listed at 310 CMR 19.018(6) were identified during this inspection and are discussed further in this report.
If deviations were identified during the inspection, check this box and ensure that each deviation and the recommended corrective actions are discussed in the applicable section(s) below.

B. STATUS OF PREVIOUS RECOMMENDATIONS FOR CORRECTIVE ACTION

If a previous inspection report identified deviations with recommendations for corrective action, please describe the action(s) taken since the last inspection to return the facility to compliance with the applicable requirements.

Discussion: 2023 corrective actions are met: Post a new waste ban sign at the gate and at the trash compactor

C. RECOMMENDATIONS FOR CORRECTIVE ACTION

Based on the results of this inspection, please list all deviations noted during the inspection and provide recommendations for corrective action to return to compliance with the applicable requirement.

Recommendations: none

D. ADDITIONAL COMMENTS

Comments: Replace concrete blocks at scrap metal wall.

VIII. Additional Information Checklist

Attach the following additional information, as applicable, to complete the inspection report.*

Attach photographs taken during the inspection that depict the general condition and operation of the facility, as required in Section VI.A.

For C&D Waste facilities only, attach the analytical results, as required in Section V.B.

**Note: Pursuant to 310 CMR 19.018(8), MassDEP may request additional information.*

Continue to Certification Statement on Next Page ►



**Massachusetts Department of Environmental Protection
Bureau of Waste Prevention / Solid Waste Management**

Third-Party Inspection Report – 310 CMR 19.018(8)
Operation & Maintenance

VI. Inspection Observations

A. FACILITY CONDITION AND OPERATIONS

Examine and evaluate the facility condition and operations as observed during the inspection, including the following:

- Describe any evidence of the following conditions observed at the time of the inspection:
 - Unpermitted discharges to air, water, land or other natural resources of the Commonwealth; and
 - Dust, odors, litter, and/or other nuisance conditions.
 - Document and discuss all deviations from any specific requirements for the facility that are not addressed in the previous section (*Section V. – Performance Standards*), including without limitation, the requirements set forth in the facility's operation and maintenance plan, orders or other enforcement documents, and other solid waste permits, approvals, and authorizations issued to the facility by MassDEP.
 - List the types and estimated quantities of all waste and materials stored at the facility at the time of the inspection.
 - Provide a narrative that describes the overall status of the general condition, operation and performance of the facility as observed at the time of the inspection.
- ⇒ Attach photographs taken during the inspection that depict the general condition and operation of the facility. At a minimum, include photographs, as applicable, of the waste unloading (tipping) area, waste storage areas, recyclable material storage and, for transfer stations, the waste reloading activity.

Discussion: There is no evidence of unpermitted discharges or nuisance conditions. The site is clean and orderly. The quantities of waste on site during the inspection are: MSW <10 tons, furniture 1 ton; scrap metal 5 cubic yards, recyclable mixed paper <4 tons, recyclable mixed containers <3 tons, electronics 3 cubic yard boxes, lamps multiple boxes by size, tires 15, freon 21; styrofoam; mattresses 30 cubic yards; propane tank 5; auto batteries 25; cooking oil; antifreeze; Salvation Army boxes, rechargeable batteries, household batteries, thermostat recycling box, books boxes, swap shop.

There is a large yard waste composting area. Estimate 300 cy brush and 600+ cy leaves.

B. RECORD REVIEW

Examine and evaluate the facility's record-keeping. Without limitation, document the status of the facility's compliance with, and any deviations from, the record-keeping required by 310 MCR 19.000; the facility's operation and maintenance plan; orders or other enforcement documents issued to the facility; and other solid waste permits, approvals, determinations and authorizations issued to the facility by the Department, including the following:

- Discuss the evaluation of the Facility's "daily log" such as, daily tonnage records.
- List and discuss any special incidents that have occurred since the previous inspection such as exceedances of the facility's permitted waste acceptance limits, nature and outcome of complaints reported to the facility operator (including the identity of the complainant, if known), fires, emergencies, or other disruptions to the routine operation of the facility.

Discussion:



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Evaluated	Performance Standard	Deviation(s)	Comments/Observations and Recommended Corrective Action(s)
<input checked="" type="checkbox"/>	19.207(13) Bird Hazards.		none
<input checked="" type="checkbox"/>	19.207(14) Dust Control.		none
<input checked="" type="checkbox"/>	19.207(15) Vector Control.		none
<input checked="" type="checkbox"/>	19.207(16) Control of Wind-blown Litter.		
<input checked="" type="checkbox"/>	19.207(17) Staffing.		
<input checked="" type="checkbox"/>	19.207(18) Employee Facilities.		use DPW facility
<input checked="" type="checkbox"/>	19.207(19) Accident Prevention/Safety.		use town radio system
<input checked="" type="checkbox"/>	19.207(20) Fire Protection.		
<input checked="" type="checkbox"/>	19.207(21) Recycling Operations.		
<input checked="" type="checkbox"/>	19.207(22) Records for Operational and Plan Execution.		All weights are measured on an out-going basis via weight slips.
<input checked="" type="checkbox"/>	19.207(23) Screening and/or Fencing.		none
<input checked="" type="checkbox"/>	19.207(24) Open Burning.		none
<input checked="" type="checkbox"/>	19.207(25) Inspections.		2023 corrective actions are met
<input checked="" type="checkbox"/>	19.207(26) End-of-Life Mercury-added Products.		requirements met

B. CONSTRUCTION AND DEMOLITION (C&D) WASTE PROCESSING FACILITY OR C&D WASTE TRANSFER STATION

Evaluated	Performance Standard	Deviation(s)	Comments/Observations and Recommended Corrective Action(s)
<input type="checkbox"/>	19.206(1) Enclosed Operations.		
<input type="checkbox"/>	19.206(2) Storage.		
<input type="checkbox"/>	19.206(3) Contact Water.		
<input type="checkbox"/>	Suspect Asbestos-Containing Material (ACM) Inspection and Management Protocol.		
<input type="checkbox"/>	Sample collection of suspect ACM from incoming loads.	Discuss sample results: ▶ <input type="checkbox"/> Attach analytical reports.	



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V. Performance Standards

Examine and evaluate the facility's solid waste activities, equipment, operations, practices, procedures and records relevant to the type of solid waste facility.

Using the tables below, identify all areas evaluated by the inspector during the inspection by checking the box in the first column. Describe all deviations noted during the inspection in the third column. Provide recommendations for corrective action to return to compliance with the applicable performance standard in the fourth column.

Facility Type	Performance Standards
Transfer Station/Handling Facility (Including C&D Facility)	Complete Section A. If C&D Handling/ Processing Facility, then also complete Section B.
Municipal Waste Combustor	Complete Section A.
Active Landfill	Complete Sections C. and F. If active ash landfill, then also complete Section D.
Closed Landfill	Complete Sections E. and F.

A. TRANSFER STATION, HANDLING FACILITY, OR MUNICIPAL WASTE COMBUSTOR (INCLUDING C&D FACILITY)

Evaluated	Performance Standard	Deviation(s)	Comments/Observations and Recommended Corrective Action(s)
<input checked="" type="checkbox"/>	19.205(1) Storm Water Controls.		stormwater drains to road
<input checked="" type="checkbox"/>	19.205(2) Equipment.		
<input checked="" type="checkbox"/>	19.205(3) Weighing Facilities.		All weights are measured on an out-going basis via weight slips.
<input checked="" type="checkbox"/>	19.207(1) General.	Discuss in Section VI.	Discuss in Section VI.
<input checked="" type="checkbox"/>	19.207(2) Supervision of Operation.		
<input checked="" type="checkbox"/>	19.207(3) Access to Facilities.		
<input checked="" type="checkbox"/>	19.207(4) Security.		
<input checked="" type="checkbox"/>	19.207(5) Posting of Handling Facility.		all signs are posted
<input checked="" type="checkbox"/>	19.207(6) Unloading of Refuse.		2 attendants weekdays and 3 on Sat.
<input checked="" type="checkbox"/>	19.207(7) Special Wastes.		none
<input checked="" type="checkbox"/>	19.207(8) Banned/Restricted Wastes.		waste ban sign at trash compactor; Waste Ban Plan on site
<input checked="" type="checkbox"/>	19.207(9) Hazardous Waste.		none
<input checked="" type="checkbox"/>	19.207(10) Household Hazardous Waste and Waste Oil Collections.		none
<input checked="" type="checkbox"/>	19.207(11) Bulky Waste.		
<input checked="" type="checkbox"/>	19.207(12) Liquid Wastes.		none



**Massachusetts Department of Environmental Protection
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Third-Party Inspection Report – 310 CMR 19.018(8)
Operation & Maintenance

IV. Pre-Inspection Preparation

A. FACILITY-SPECIFIC O&M REQUIREMENTS

During each third-party inspection, the third-party inspector shall examine and evaluate the facility's solid waste activities, equipment, operations, practices, procedures, and records relevant to the type of third-party inspection being conducted in order to determine the facility's compliance with all applicable requirements as set forth in 310 CMR 19.018(6)(a)1.

Therefore, pursuant to 310 CMR 19.018(6)(a)1, prior to conducting a third-party facility operation and maintenance inspection, the third-party inspector shall, without limitation, complete all of the following:

- Review and become familiar with the regulations set forth at 310 CMR 19.000 – *Massachusetts Solid Waste Regulations*.
- Identify, review and become familiar with all solid waste permits, plans, approvals, and orders (or other enforcement documents issued to the facility by the Department), and the solid waste requirements applicable to the operation and maintenance of the facility.

Relevant requirements may include, without limitation, specific practices and procedures for the operation, maintenance and monitoring of the facility, waste acceptance/storage limits, and other requirements related to the facility's solid waste activities. Without limitation, these facility-specific requirements may be contained in the Facility Permit, Authorization to Construct, Authorization to Operate, Operation and Maintenance Plan, Closure/Post-Closure Plans and Approvals, Facility Modification Approvals, Beneficial Use Determinations, Administrative Consent Orders, and other determinations, authorizations or enforcement actions issued by the Department.

I, *Jan Ameen*, have identified, reviewed and understand all of the aforementioned requirements that are applicable to this facility and the following are my observations and recommendations related to the facility-specific requirements.


Inspector Initials

B. SOLID WASTE PERMITS, PLANS, APPROVALS & ORDERS

List all relevant solid waste permits, plans, approvals, orders or other enforcement actions issued to the facility by the Department that contain specific practices, procedures and other requirements still in effect for the operation, maintenance and monitoring or closure/post-closure of the facility. Where applicable, provide the plan or issue date for each item. For enforcement actions, include the document number, effective date, and status of implementation by the facility.

Discussion: November 2013 Authorization to Operate; June 3, 2015 Transfer Station Modification; Waste Ban Plan certification, Transfer Station Operations certification



**Massachusetts Department of Environmental Protection
Bureau of Waste Prevention / Solid Waste Management**

Third-Party Inspection Report – 310 CMR 19.018(8)
Operation & Maintenance

II. Third-Party Inspector

Jan Ameen Third-Party Inspector Name	FCSWMD Company Name	
262075 MassDEP Third-Party Inspector Identification Number	05/09/2025 MassDEP Third-Party Inspector Expiration Date (MM/DD/YYYY)	
413-772-2438 Telephone Number	fcswmd@crocker.com Email Address	
117 Main St. Mailing Address	MA State	01301 ZIP Code
Greenfield City/Town		

Construction and Demolition Waste (C&D Waste) Processing Facility or C&D Waste Transfer Station Only:
Identify the qualified individual that conducted the observation of incoming waste loads and collection of samples of suspect asbestos-containing materials during the inspection [pursuant to 310 CMR 19.018(6)(f)]. If the entire inspection was conducted by the third-party inspector listed above, then check the box and enter only the Asbestos Inspector Certification Number.

Same as above. Provide Asbestos Certification Number ►

_____	MA Dept. of Labor Standards Asbestos Inspector Certification Number	
_____	Company Name	
_____	Email Address	
_____	_____	_____
City/Town	State	ZIP Code

III. Inspection Details

A. FREQUENCY

Indicate the scheduled inspection frequency for this facility as required by 310 CMR 19.018(6)(b), or a more frequent schedule set forth in the Facility Permit/Other Approval:

Bi-Monthly
 Quarterly
 Semi-Annual
 Annual
 Biennial
 Other (include permit/approval type and date of issuance):

B. DATE, TIME & PERSONNEL

Inspection Date (MM/DD/YYYY):	10/28/2024
Inspection Start Time:	1:30 <input type="checkbox"/> AM <input checked="" type="checkbox"/> PM
Facility Representatives in Attendance During Inspection:	Kevin Quesnel

C. CONDITIONS

Air Temperature: <i>Approximately 50 degrees F.</i>	Wind Direction (direction from which the wind is blowing): <table border="1"> <tr> <td><input type="checkbox"/> NW</td> <td><input type="checkbox"/> N</td> <td><input type="checkbox"/> NE</td> </tr> <tr> <td><input checked="" type="checkbox"/> W</td> <td style="background-color: #cccccc;">Wind</td> <td><input type="checkbox"/> E</td> </tr> <tr> <td><input type="checkbox"/> SW</td> <td><input type="checkbox"/> S</td> <td><input type="checkbox"/> SE</td> </tr> </table>	<input type="checkbox"/> NW	<input type="checkbox"/> N	<input type="checkbox"/> NE	<input checked="" type="checkbox"/> W	Wind	<input type="checkbox"/> E	<input type="checkbox"/> SW	<input type="checkbox"/> S	<input type="checkbox"/> SE
<input type="checkbox"/> NW		<input type="checkbox"/> N	<input type="checkbox"/> NE							
<input checked="" type="checkbox"/> W		Wind	<input type="checkbox"/> E							
<input type="checkbox"/> SW	<input type="checkbox"/> S	<input type="checkbox"/> SE								
Weather: <input type="checkbox"/> Clear <input checked="" type="checkbox"/> Partly Cloudy <input type="checkbox"/> Cloudy <input checked="" type="checkbox"/> Dry <input type="checkbox"/> Rain <input type="checkbox"/> Snow										
Wind Speed: <input type="checkbox"/> Calm <input checked="" type="checkbox"/> Breeze <input type="checkbox"/> Moderate <input type="checkbox"/> Strong										

Login Sample Receipt Checklist

Client: Tighe & Bond

Job Number: 620-22293-1

Login Number: 22293

List Source: Eurofins Burlington

List Number: 2

List Creation: 11/16/24 01:03 PM

Creator: Barritt, Julian A

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	True	2636441
Sample custody seals, if present, are intact.	N/A	Not Present
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	Refer to Job Narrative for details.
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Tighe & Bond

Job Number: 620-22293-1

Login Number: 22293

List Source: Eurofins Rhode Island

List Number: 1

Creator: Makhoul, Elie

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	False	Received same day of collection; chilling process has begun.
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Sample Summary

Client: Tighe & Bond
Project/Site: S-1817 South Hadley Landfill

Job ID: 620-22293-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
620-22293-1	PW-5	Water	11/14/24 10:35	11/14/24 12:15

Method Summary

Client: Tighe & Bond
Project/Site: S-1817 South Hadley Landfill

Job ID: 620-22293-1

Method	Method Description	Protocol	Laboratory
522	1,4 Dioxane (GC/MS SIM)	EPA	EET BUR
522	Solid-Phase Extraction (SPE)	EPA	EET BUR

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

EET BUR = Eurofins Burlington, 530 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990

Accreditation/Certification Summary

Client: Tighe & Bond
Project/Site: S-1817 South Hadley Landfill

Job ID: 620-22293-1

Laboratory: Eurofins Burlington

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
ANAB	Dept. of Defense ELAP	L2336	02-25-26
Connecticut	State	PH-0751	09-30-25
DE Haz. Subst. Cleanup Act (HSCA)	State	N/A	05-19-25
Florida	NELAP	E87467	06-30-25
Minnesota	NELAP	050-999-436	12-31-25
New Hampshire	NELAP	2006	12-18-24
New Jersey	NELAP	VT972	06-30-25
New York	NELAP	10391	03-31-25
Pennsylvania	NELAP	68-00489	04-30-25
Rhode Island	State	LAO00298	12-31-24
US Fish & Wildlife	US Federal Programs	058448	08-01-25
USDA	US Federal Programs	P330-17-00272	12-19-26
Vermont	State	VT4000	02-10-25
Virginia	NELAP	460209	12-14-24
Wisconsin	State	399140830	03-31-25

Lab Chronicle

Job ID: 620-22293-1

Client: Tighe & Bond
Project/Site: S-1817 South Hadley Landfill

Client Sample ID: PW-5

Lab Sample ID: 620-22293-1

Date Collected: 11/14/24 10:35

Matrix: Water

Date Received: 11/14/24 12:15

Prep Type	Batch	Batch	Run	Dilution	Batch		Lab	Prepared
	Type	Method		Factor	Number	Analyst		or Analyzed
Total/NA	Prep	522			211313	CMW	EET BUR	11/22/24 10:30
Total/NA	Analysis	522		1	211433	A1B	EET BUR	11/26/24 15:53

Laboratory References:

EET BUR = Eurofins Burlington, 530 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990

Letter of Support for Phone & Social Media Free Schools in Massachusetts

This effort is being led by the Massachusetts Coalition for Phone and Social Media Free Schools which includes the following organizations: [Becca Schmill Foundation](#), [Smartphone Free Childhood US Parent Collective](#), [APPstinent](#), [Turning Life On](#), [Arlington Parents – Smartphone Sense](#), and [Sudbury for Digital Balance](#), as well as concerned parents, community members, educators, and public health professionals.

For FAQs, please see our [Briefing Document](#).

THE LETTER

Dear Massachusetts Legislators,

We, the undersigned parents, teachers, students, and community members, support the introduction of legislation to ensure that every student in Massachusetts has access to the benefits of a school environment that is free from personal electronic devices and social media, and prioritizes student [academic learning](#), [focus](#), [social development](#), and [emotional well-being](#).

The U.S. is experiencing a mental health crisis. The causes may be multifaceted, but the weight of the evidence clearly shows **a significant relationship with exposure to social media and other digital and online products**. U.S. Surgeon General Dr. Vivek Murthy has said that children need device-free spaces – including schools – and has called on Congress to require warning labels on social media. Dr. Murthy says that, “the risk of not acting could be someone’s life.” <https://edhub.ama-assn.org/jn-learning/video-player/18901909>

Extensive research has made it abundantly clear that bell-to-bell personal device-free policies [improve school environments by increasing academic engagement](#), [improving learning outcomes](#), and [student’s social connection](#). Devices, including but not limited to cellular phones, tablets, smartwatches, [other wearables](#), and gaming devices, distract from learning and interrupt opportunities for students to engage in face to face interaction with each other.

Social media platforms are also a source of distraction and increased opportunities for cyberbullying. In May 2023, U.S. Surgeon General Vivek Murthy stated that social media platforms [have not been determined to be sufficiently safe](#) for use by children and adolescents.

For the reasons stated above, we support the implementation of the following:

1. Personal electronic device-free schools, from “first bell to last bell,” where devices are turned off, securely locked away, and inaccessible to students during school hours and while students are being supervised by district staff.



2. Prohibition of integrating social media platforms into student education (with exceptions for medical needs and IEP plans), and communications for school-to-student, or after-school programs run by the school district. This does **not** prevent a school from using social media for non-student community communication and school to parent/guardian communication.

Thank you for considering this legislation.

gmaende@southhadley.ma.gov Switch account



Not shared

* Indicates required question

First Name: *

Your answer

Last Name: *

Your answer

Email: (will not displayed or shared) *


Your answer

Town where you reside: *

Your answer



Role that most closely describes your interest in this topic: *

Choose 

Are you signing this letter as an individual, an organization, or both? *

- Individual
- Organization (clicking here is confirmation of your authority to endorse on behalf of your organization)
- Both

Your Organization Name: (if applicable)

Your answer

Your Title or Profession: (if applicable)

Your answer

If your school or district currently has a bell-to-bell smartphone free policy, would you be willing to write a short testimonial or take a call so we can collect feedback? *

- Not applicable
- Yes, I would be willing to provide a testimonial based on personal or professional experience
- No, not interested at this time



Are you interested in helping the Coalition advocate for Phone and Social Media Free Schools?

- Yes
- No
- Maybe

By submitting this form, you agree to allow your name and/or your organization name to be included in a list of supporters of Phone and Social Media Free Schools on materials used by the members of the MA Phone and Social Media Free Schools Coalition for purposes of advocating for this specific cause.

Submit

Clear form

Never submit passwords through Google Forms.

This form was created inside of Becca Schmill Foundation.
Does this form look suspicious? [Report](#)

Google Forms



