
From: McQuade, James (DEP)
Sent: Tuesday, April 8, 2014 12:59 PM
To: McCoy, Kim (DEP)
Subject: FW: Mechanic Street Landfill - Leominster, MA - 1st Quarter 2013 Landfill Gas Sampling Exceedance
Attachments: 2014.03.21 Mechanic St Exceedance Notification.pdf

Kim:
Please log in.
Thanks,
Jim

-----Original Message-----

From: John Bobrek [mailto:jbobrek@woodardcurran.com]
Sent: Sunday, March 23, 2014 2:24 PM
To: McQuade, James (DEP)
Cc: Levins, Gregory (DEP); Polese, Larry (DEP); Christopher Knuth - City of Leominster; Alan Benevides
Subject: Mechanic Street Landfill - Leominster, MA - 1st Quarter 2013 Landfill Gas Sampling Exceedance

Jim,

The 1st quarter 2014 landfill gas monitoring at the Mechanic Street Landfill in Leominster, MA was performed Friday, March 21, 2014. Attached is the notification form that details the landfill gas exceedance. Based on the results, LGW-7 had an exceedance at 42% LEL. However, all other monitoring locations resulted in 0 % LEL, except for wells LGW-3 and LGW-4 which had concentrations of 6% and 24% of the LEL, respectively. The detections in methane may be a result of the flare running inconsistently throughout the winter months. W&C will be performing a landfill gas well-field tuning round in the coming month once more snow has melted, frost has dissipated and the field is accessible. Please do not hesitate to give me a call if you have any questions or would like to discuss this further at 978-557-8150 x3627.

Thank you!
John

John Bobrek, P.E.
Woodard & Curran, Inc.
40 Shattuck Road - Suite 110
Andover, MA 01810
(P) 978-557-8150
(F) 978-557-7948

COMMITMENT & INTEGRITY DRIVE RESULTS



Woodard & Curran

COMMITMENT & INTEGRITY DRIVE RESULTS

NOTIFICATION OF LANDFILL GAS EXCEEDANCE

40 Shattuck Road, Suite 110
Andover, MA 01810
978-557-8150 phone
978-557-7948 fax

Date: 3/21/14	Project No. 210024
Site Name: Mechanic Street Landfill	
Address: Leominster, MA	

TO:

Mr. James McQuade
MassDEP – Central Region
627 Main Street
Worcester, MA 01608
(508) 767-2806

2 HOUR NOTIFICATIONS

[Concentration of explosive gasses exceeds 10% of the LEL in any building, utility conduit, excluding gas control, gas recovery and leachate collection system components (310 CMR 19.132 (4) (g) and 310 CMR 40.0321]

ID	DATE	TIME	% LEL				

24 HOUR NOTIFICATIONS

[Concentration of gasses exceeds 25% of the LEL in soils at the property boundary (310 CMR 19.132 (4) (i)]

ID	% LEL	ID	% LEL	ID	% LEL
LGW - 7	36%				
LGW – 7 DUP	42%				

REMARKS:

If you have any questions please do not hesitate to give me a call.

COPIES TO:

Mr. Gregory Levins, MassDEP, Central Region
Mr Larry Polese, MassDEP, Central Region
Mr. Christopher Knuth, City of Leominster
Mr. Alan Benevides, Woodard & Curran
File No. 210024

SIGNED: _____

John Bobrek, P.E.

From: McQuade, James (DEP)
Sent: Friday, September 23, 2016 5:01 PM
To: McCoy, Kim (DEP)
Subject: FW: Mechanic Street Landfill - Gas Exceedance September 21, 2016
Attachments: 2016.09.22 Mechanic St Landfill.pdf; ATT00001.htm

Kim:
[Please log in.](#)
Thanks,
Jim

From: John Bobrek [mailto:jbobrek@woodardcurran.com]
Sent: Thursday, September 22, 2016 7:50 PM
To: McQuade, James (DEP)
Cc: Christopher Knuth; Alan Benevides; Danny O'Donnell
Subject: Mechanic Street Landfill - Gas Exceedance September 21, 2016

Jim,

The 3rd quarter 2016 landfill gas monitoring at the Mechanic Street Landfill in Leominster, MA was performed yesterday, September 21, 2016. I writing to inform you that we observed several exceedances of landfill gas in the form of methane above 25% of the Lower Explosive Limit (LEL) at four perimeter wells. Based on the results perimeter gas wells LGW-4, LGW-6, LGW-7, and LGW-29 had exceedances of 46% LEL, 100% LEL, 252% LEL, and 440% LEL, respectively. However, the wells installed nearby on the abutting residential properties (LGW-36, LGW-49 and LGW-51), and all other sampling locations had no detections of methane. This may indicate that the landfill gasses are passively venting near the property line. The performance of the flare is currently being monitored and further wellfield tuning will be conducted tomorrow September, 23, 2016. We have also modified the flares run time to 24/7 and opened all well heads in the area of the exceedances.

Attached is the Landfill Gas Exceedance Notification Form, as well as, Geological Field Services field report. Please do not hesitate to give me a call if you have any questions or would like to discuss this further at 978-482-7881.

Thanks,

John

John Bobrek, P.E.

Woodard & Curran, Inc.

40 Shattuck Road, Suite 110

Andover, MA 01810

978-482-7881

jbobrek@woodardcurran.com



Woodard & Curran

COMMITMENT & INTEGRITY DRIVE RESULTS

NOTIFICATION OF LANDFILL GAS EXCEEDANCE

40 Shattuck Road, Suite 110
Andover, MA 01810
978-557-8150 phone
978-557-7948 fax

Date: 9/22/16	Project No. 210024
Site Name: Mechanic Street Landfill	
Address: Leominster, MA	

TO:

Mr. James McQuade
MassDEP – Central Region
8 New Bond Street
Worcester, MA 01606
(508) 767-2806

2 HOUR NOTIFICATIONS

[Concentration of explosive gasses exceeds 10% of the LEL in any building, utility conduit, excluding gas control, gas recovery and leachate collection system components (310 CMR 19.132 (4) (g) and 310 CMR 40.0321]

ID	DATE	TIME	% LEL				

24 HOUR NOTIFICATIONS

[Concentration of gasses exceeds 25% of the LEL in soils at the property boundary (310 CMR 19.132 (4) (i)]

ID	% LEL	ID	% LEL	ID	% LEL
LGW – 4	46%				
LGW – 6	100%				
LGW – 7	252%				
LGW – 29	440%				

REMARKS:

If you have any questions please do not hesitate to give me a call.

COPIES TO:

Mr. Christopher Knuth, City of Leominster
Mr. Alan Benevides, Woodard & Curran
File No. 210024

SIGNED: _____

John Bobrek, P.E.

LANDFILL GAS SURVEY

SITE Leominster Landfill
 ADDRESS Mechanic Street, Leominster
 CLIENT Woodard and Curran
 CONTACT John Bobrek
 PERSONNEL Ryan J. MacKay

PROJECT ID 97117
 DATE(S) 9-21-16
 TIME(S) ONSITE 830
 TIME ONSITE _____

IF any methane levels exceed 25% of the LEL contact client immediately.

LAST RAIN/AMOUNT SUNNY 750F
 GROUND COVER _____
 DATE 9-21-16
 TIME _____
 BAR. PRESSURE 29.68
 TEMPERATURE 75
 REL. WIND SPEED 5-10
 WIND DIRECTION SE

FIELD EQUIPMENT
 Thermo 580S OVM
 Land-Tec GA-90

CALIBRATION STANDARD
 100 ppm ISO RF=1
 Factory Calibrated

TIME
1004
1004
1004

SAMPLING DATA

Location (time)

Seconds	Vacuum in. Hg	Methane %	PID ppm	LeL %	H2S ppm	O %	CO2 %
LGW-1	1512	0	0	0	0	17.2	2.4
		0	0	0	0	17.5	2.5
		0	0	0	0	18.8	3.1
		0	0	0	0	16.2	3.4
LGW-2	1504	0	0	0	0	15.9	4.0
		0	0	0	0	13.4	4.8
		0	0	0	0	13.3	4.9
		0	0	0	0	18.0	5.9
LGW-3	1455	1.1	0	22	0	0.5	14.0
		1.1	0	22	0	0	15.1
		1.2	0	24	0	0	16.0
		1.2	0	24	0	0	15.9
LGW-4	1447	2.2	0	44	0	0.5	10.0
		2.3	0	46	0	0	16.8
		2.3	0	46	0	0	16.8
		2.2	0	44	0	0	16.7
LGW-5	151440	0.3	0	6	0	15.9	4.2
		0.4	0	8	0	13.1	6.0
		0.4	0	8	0	11.6	5.9
		0.4	0	8	0	11.6	5.5

LANDFILL GAS SURVEY

SITE Leominster Landfill
 ADDRESS Mechanic Street, Leominster
 CLIENT Woodard and Curran

PROJECT ID 97117
 DATE(S) _____
 TIME(S) ONSITE _____
 PAGE 2 of 8

SAMPLING DATA

Location (Time)

Seconds	Vacuum in. Hg	Methane %	PID ppm	LeL %	H2S ppm	O %	CO2 %
LGW-6	14:33	2.6	0	52	0	1.0	19.2
		2.5	0	50	0	0	19.7
		2.4	0	48	0	0	19.8
		2.6	0	52	0	0	19.0
LGW-7	1426	11.4	0	228	0	2.3	19.0
		12.2	0	244	0	1.9	19.0
		12.0	0	240	0	2.0	19.2
		12.6	0	252	0	1.5	19.3
LGW-8	1419	0	0	0	0	6.1	10.2
		0.3	0	6	0	3.2	11.8
		0.5	0	10	0	3.1	11.7
		0.9	0	18.2	0	2.9	12.9
LGW-9	1413	0	0	0	0	17.2	2.1
		0	0	0	0	16.9	2.1
		↓	↓	↓	↓	16.6	2.0
						16.6	2.1
LGW-10	1406	0	0	0	0	18.5	2.2
		0	0	0	0	15.9	5.0
		↓	↓	↓	↓	12.8	5.4
						12.6	5.5
LGW-11	1400	0	0	0	0	16.0	3.0
		↓	↓	↓	↓	15.4	3.0
						14.8	3.1
						14.9	3.1
LGW-12	1354	0	0	0	0	10.1	7.1
		↓	↓	↓	↓	11.0	7.3
						6.5	8.5
						6.0	10.6
LGW-13	1348	0	0	0	0	10.1	6.1
		↓	↓	↓	↓	18.4	8.9
						16.3	9.1
						16.1	
LGW-14	1340	0	0	9	0	16.1	9.1
		↓	↓	↓	↓	15.0	5.0
						15.1	5.1
						15.0	5.2

LANDFILL GAS SURVEY

SITE Leominster Landfill
 ADDRESS Mechanic Street, Leominster
 CLIENT Woodard and Curran

PROJECT ID 97117
 DATE(S) _____
 TIME(S) ONSITE _____
 PAGE 3 of 8

SAMPLING DATA

Location (Time)

Seconds

Vacuum
in. HgMethane
%PID
ppmLeL
%H2S
ppmO
%CO2
%

LGW-15

13:30

0

0

0

16.1

4.7

15.2

4.6

15.1

4.0

15.2

4.1

LGW-16

11:45

0

0

0

19.0

1.0

19.1

1.1

19.2

1.2

19.0

1.1

LGW-17

DAMAGED CASSETTE

LGW-18

11:52

0

0

0

18.1

1.0

18.5

1.2

19.1

1.5

19.1

1.5

LGW-19

11:59

0

0

0

18.1

1.0

19.2

1.2

18.5

1.6

19.1

1.2

LGW-20

12:06

0

0

0

19.2

1.0

19.1

1.0

19.7

1.1

19.2

1.1

LGW-21

11:45

0

0

0

18.2

0.5

19.1

0.6

19.2

0.8

19.2

0.8

LGW-22

10:12

0

0

0

0

19.1

0.6

18.5

0.9

18.2

1.0

18.2

1.1

LGW-23

10:05

0

0

0

0

19.2

1.0

19.1

1.1

18.0

1.2

18.0

1.2

SITE Leominster Landfill
 ADDRESS Mechanic Street, Leominster
 CLIENT Woodard and Curran

PROJECT ID 97117
 DATE(S) _____
 TIME(S) ONSITE _____
 PAGE 4 of 8

SAMPLING DATA

Location (Time)

Seconds	Vacuum in. Hg	Methane %	PID ppm	LeL %	H2S ppm	O %	CO2 %
LGW-24	1243 1243	0	0	0	0	18.1	1.0
		↓	↓	↓	↓	17.7	1.1
		↓	↓	↓	↓	17.1	1.2
		↓	↓	↓	↓	17.0	1.6
LGW-25	12:34	0	0	0	0	19.2	1.2
		↓	↓	↓	↓	19.1	1.1
		↓	↓	↓	↓	19.1	1.1
		↓	↓	↓	↓	18.5	1.2
LGW-26	1228	0	0	0	0	19.6	1.2
		↓	↓	↓	↓	19.2	1.3
		↓	↓	↓	↓	19.1	1.2
		↓	↓	↓	↓	19.1	1.4
LGW-27	12:20	0	0	0	0	18.6	1.0
		↓	↓	↓	↓	18.5	1.1
		↓	↓	↓	↓	18.3	1.2
		↓	↓	↓	↓	18.2	1.1
LGW-28	1526	0.3	0	6	0	15.2	10.2
		0.1	↓	8	↓	14.1	10.6
		0.4	↓	14	↓	3.9	10.5
		0.7	↓	14	↓	3.0	10.1
LGW-29	1518	11.7	0	234	0	13.0	10.6
		11.7	0	234	0	3.0	13.1
		12.0	0	240	0	3.0	12.9
		12.2	0	254	0	2.8	15.3
LGW 10 DUP	15:41	3.0	0	60	0	1.9	15.2
		4.0	0	80	0	1.9	18.1
		4.5	0	90	0	0.0	19.1
		5.0	0	100	0	0	20.0
LGW 7 DUP	1550	6.0	0	120	0	0.5	18.0
		8.0	0	160	0	0	18.7
		8.3	0	166	0	0	18.2
		8.4	0	168	0	0	18.1
LGW 29 DUP	1533	12.9 13	0	260	0	1.0	18.0
		19.4	0	398	0	0	20.0
		20.0	0	450	0	0	21.0
		22	0	470	0	0	21.4

PROJECT ID 97117
DATE(S) _____
TIME(S) ONSITE _____
PAGE 5 of 8

CO2
%

५.

5

$$\frac{C}{O}$$

8
$$\frac{2.}{2}$$
$$\frac{2.}{2}$$

2.

100

$$\frac{0.}{2}$$
$$\frac{2.}{2}$$
$$\frac{1}{2}$$

—

 $\frac{3}{2}$
$$\frac{2.}{1.}$$
$$\frac{1}{2}$$

1

From: McQuade, James (DEP)
Sent: Friday, September 22, 2017 2:03 PM
To: McCoy, Kim (DEP)
Subject: FW: Leominster MA Landfill Gas Monitoring - LF Gas Probe Exceedance Notification
Attachments: Figure 1-1 Leominster Landfill EMR Annual Site Plan.pdf

Kim:
[Please log in.](#)
Thanks,
Jim

From: Laura deWahl [<mailto:ldewahl@woodardcurran.com>]
Sent: Thursday, September 21, 2017 10:34 AM
To: McQuade, James (DEP)
Cc: Alan Benevides; Paul Porada; CKnuth@Leominster-MA.gov
Subject: Leominster MA Landfill Gas Monitoring - LF Gas Probe Exceedance Notification

Hi Jim,

The Third Quarter Environmental Monitoring was performed at the Mechanic Street Landfill in Leominster, MA on September 20, 2017. During this monitoring event, concentrations of landfill gas in the form of methane were observed exceeding 25% of the Lower Explosive Limit (LEL). The gas exceedances of the LEL are as follows:

- LGW-5 282% LEL
- LGW-6 400% LEL
- LGW-7 284% LEL
- LGW-10 48% LEL
- LGW-12 28% LEL
- LGW-22 112% LEL
- LGW-23 150% LEL

Please note that the residential homes closest to the areas of exceedance have methane monitors inside the homes which were calibrated on the same day. During the calibrations, these methane monitors did not indicate the presence of methane gas. Additionally, the temporary gas probe LGW-36 was located and monitored, and landfill gasses were not detected in this probe. This probe is located directly across Mechanic street from the exceedances.

Following the detection of the first LEL exceedance, Woodard & Curran personnel restarted the flare, and verified that it was running. The flare remained in operation for the remainder of the day on September 20th. Since then, Woodard & Curran has set the flare to run continuously, and will continue to run it in this manner for several days to reduce the total methane gas volume in the landfill. We are planning to re-evaluate these gas probes within two weeks to verify that the methane gas concentrations have been reduced through continuous operation of the flare. Over the last several months Woodard & Curran has been controlling flare operations to balance the gas production with the ability to operate the flare, and shall provide further updates as needed. We will summarize these activities in the Third Quarter Environmental Monitoring Report that we submit to the Department. For your reference, I have attached a site plan that shows the gas probe locations.

Please call me at the numbers listed below or Alan Benevides at (978) 482-7835 if you have any questions or concerns regarding these monitoring results.

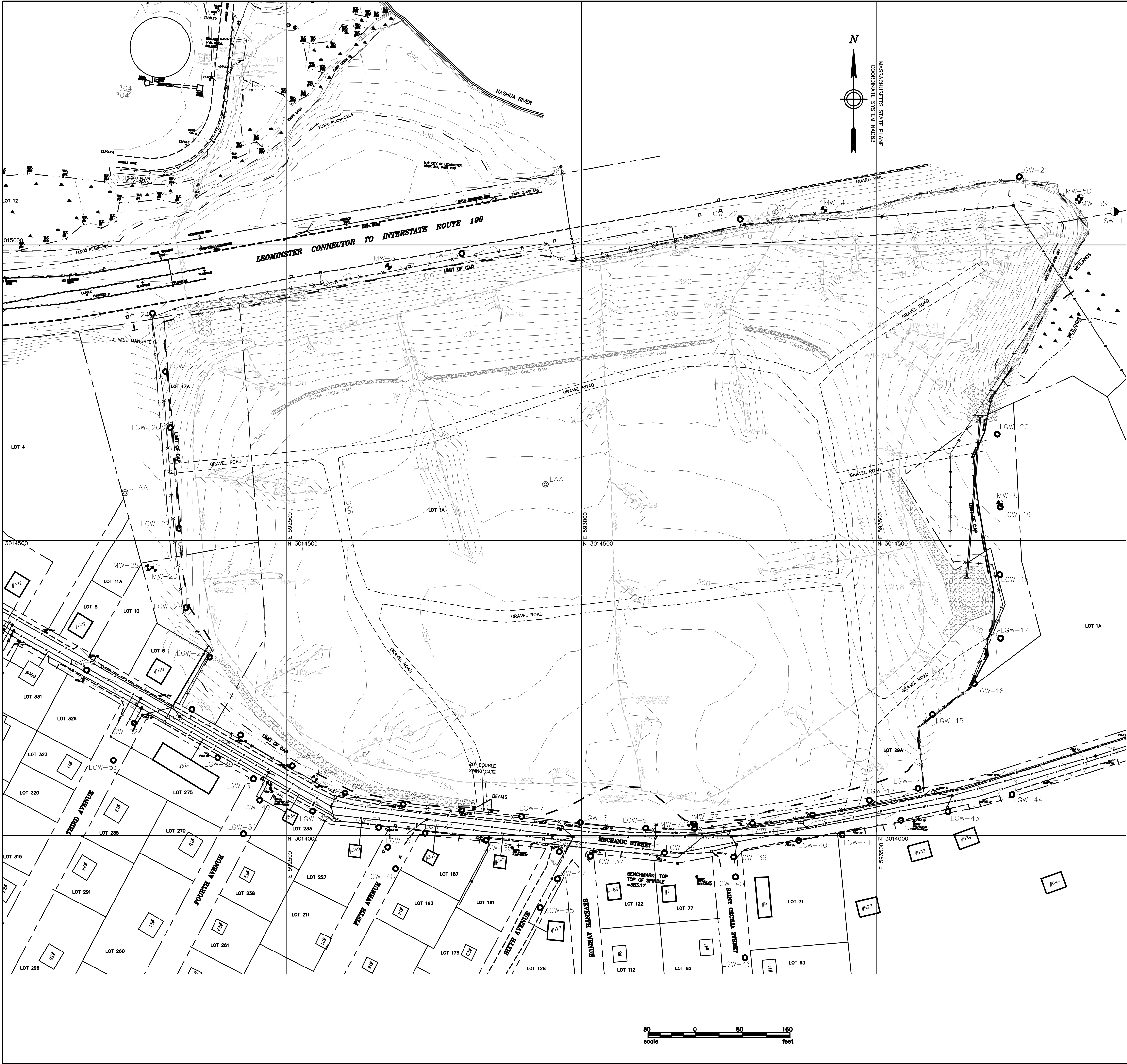
Laura T. deWahl, P.E.
Project Engineer

ldewahl@woodardcurran.com

D: 978.482.7859

M: 339.234.0967

Woodard & Curran, Inc.
40 Shattuck Road, Suite 110
Andover, MA 01810



40 SHATTUCK ROAD - SUITE 110
ANDOVER, MA 01810
866.702.6371 | www.woodardcurran.com
COMMITMENT & INTEGRITY DRIVE RESULTS

REV	DESCRIPTION	CHECKED BY: JLB	DATE
		FILENAME: W02ASE.DWG	

LEOMINSTER HEALTH DEPARTMENT
43 WEST STREET
LEOMINSTER, MA 01453

FLARE STATION
ANNUAL REPORT
MECHANIC STREET LANDFILL

JOB NO.: 210024
DATE: DECEMBER 2015
SCALE: 1 inch = 80 feet
SHEET: 1 of 1

1-1

From: McQuade, James (DEP)
Sent: Tuesday, April 17, 2018 11:20 AM
To: McCoy, Kim (DEP)
Subject: FW: Mechanic Street landfill - Notification of Gas Exceedance
Attachments: 2018.03.29 LF Gas Exceedance Notification.pdf

Kim:
Please log in.
Thanks,
Jim

From: Kendra Dow [mailto:kdow@woodardcurran.com]
Sent: Thursday, March 29, 2018 7:46 AM
To: McQuade, James (DEP)
Cc: Alan Benevides; Paul Porada; Randy Tome; Chris Knuth (CKnuth@Leominster-MA.gov)
Subject: Mechanic Street landfill - Notification of Gas Exceedance

Jim,

The 1st quarter landfill gas monitoring at the Mechanic Street Landfill in Leominster, MA was performed yesterday afternoon, March 28, 2018. I am writing to inform you that we have observed exceedances of landfill gas in the form of methane above 25% of the Lower Explosive Limit (LEL) at one perimeter gas well. Attached is the Notification of Gas Exceedance form, which describes the well sampling results and exceedance location. In short, LGW-25 had methane concentrations of 226% LEL. Methane gas was not detected in any other monitoring wells.

Please note that none of the methane monitors located in residential homes, calibrated the same day, did not indicate the presence of methane gas. Woodard & Curran will continue to optimize the flare to reduce the concentration of gas in the form of methane at the landfill gas monitoring wells.

Please call me at (978)-775-3051 or Alan Benevides at (978)-387-6672 if you have any questions regarding this exceedance.

Kendra Dow
Engineer
Woodard & Curran, Inc.
40 Shattuck Road, Suite 110
Andover, MA 01810
978-775-3051



Woodard & Curran

COMMITMENT & INTEGRITY DRIVE RESULTS

NOTIFICATION OF LANDFILL GAS EXCEEDANCE

Kendra Dow
40 Shattuck Road
Suite 110
Andover, Massachusetts 01810
Cell: 978-317-8038
Fax: 978-557-7948

Date: 3/29/2018	Job No. 0210024.18
Site Name: Mechanic Street Landfill	
Address: Leominster, MA	
Owner Info: City of Leominster	
Attn: Chris Knuth	

TO:

Mr. Jim McQuade
MADEP – Central Region
8 New Bond Street
Worcester, MA 01606
508-767-2759

2 HOUR NOTIFICATIONS

[Concentration of explosive gasses exceeds 10% of the LEL in any building, utility conduit, excluding gas control, gas recovery and leachate collection system components (310 CMR 19.132 (4) (g) and 310 CMR 40.0321)]

ID	DATE	TIME					

24 HOUR NOTIFICATIONS

[Concentration of gasses exceeds 25% of the LEL in soils at the property boundary (310 CMR 19.132 (4) (i))]

ID	DATE	% LEL					
LGW-25	3/28/2018	226%					

REMARKS:

During quarterly landfill gas monitoring activities at the Mechanic Street Landfill in Leominster, MA on Wednesday February 28, 2018, Woodard & Curran observed landfill gas in the form of methane at the property boundary exceeding 25% of the Lower Explosive Limit (LEL). The landfill gas does not appear to be migrating off-site as all in home methane monitors were successfully calibrated.

COPIES TO:

Chris Knuth – City of Leominster
File: 210024.18

SIGNED: Kendra Dow



Woodard & Curran

COMMITMENT & INTEGRITY DRIVE RESULTS

NOTIFICATION OF GROUNDWATER MCL EXCEEDANCE

40 Shattuck Road, Suite 110
Andover, MA 01810
978-557-8150 phone
978-557-7948 fax

Date: 9/13/2019	Project No. 210024.20
Site Name: Mechanic Street Landfill	
Address:	
Mechanic Street	
Leominster, MA 01453	

TO:

James McQuade
MassDEP –Central Region
8 New Bond Street
Worcester, MA 01606
(508) 767-2759

14 DAY NOTIFICATIONS

[310 CMR 19.132, 2, j] – If any concentrations exceed federal drinking water standards (Maximum Contaminant Level – MCL) the Department must be notified within 14 days of the finding.

ID	Sampling Date	Laboratory Report Date	Compound	Result	MCL	Historically Detected?
MW-5S	9/4/2019	9/13/2019	Benzene	6.2 ug/L	5 ug/L	Yes

REMARKS:

Groundwater sampling at the above referenced facility was conducted on September 4, 2019 with the noted Maximum Contaminant Level (MCL) exceedances. Please do not hesitate to give Kendra Dow a call at 978-775-3051.

COPIES TO:

SIGNED:

Kendra Dow



Woodard & Curran

COMMITMENT & INTEGRITY DRIVE RESULTS

NOTIFICATION OF LANDFILL GAS EXCEEDANCE

Kendra Dow
40 Shattuck Road
Suite 110
Andover, Massachusetts 01810
Cell: 978-317-8038
Fax: 978-557-7948

Date: 3/31/2021	Project No. 210024.21
Site Name: Mechanic Street Landfill	
Address:	
Mechanic Street	
Leominster, MA 01453	

TO:

James McQuade
MassDEP –Central Region
8 New Bond Street
Worcester, MA 01606
(508) 767-2759

2 HOUR NOTIFICATIONS

[Concentration of explosive gasses exceeds 10% of the LEL in any building, utility conduit, excluding gas control, gas recovery and leachate collection system components (310 CMR 19.132 (4) (g) and 310 CMR 40.0321]

ID	DATE	TIME					

24 HOUR NOTIFICATIONS

[Concentration of gasses exceeds 25% of the LEL in soils at the property boundary (310 CMR 19.132 (4) (i))]

ID	DATE	% LEL					
LGW-25	3/31/2021	46%					
LGW-25 Dup	3/31/2021	28%					
LGW-26	3/31/2021	34%					
LGW-26 Dup	3/31/2021	48%					
LGW-28	3/31/2021	60%					
LGW-28 Dup	3/31/2021	102%					

REMARKS:

During quarterly landfill gas monitoring activities at the Mechanic Street Landfill in Leominster, MA on Wednesday, March 31, 2021, Woodard & Curran observed landfill gas in the form of methane at the property boundary exceeding 25% of the Lower Explosive Limit (LEL) as described in the table above.

COPIES TO:

SIGNED: _____

Kendra Dow



NOTIFICATION LANDFILL GAS EXCEEDANCE

TO: James McQuade – MassDEP Central Region
CC: Michelle Powell – City of Leominster, MA
FROM: Kendra Dow – Woodard & Curran
DATE: May 31, 2023
RE: Mechanic Street Landfill – Leominster, MA
Second Quarter 2023 – Notification of Landfill Gas Exceedance

2 HOUR NOTIFICATIONS

[Concentration of explosive gasses exceeds 10% of the LEL in any building, utility conduit, excluding gas control, gas recovery and leachate collection system components (310 CMR 19.132 (4) (g) and 310 CMR 40.0321)]

ID	DATE	TIME

24 HOUR NOTIFICATIONS

[Concentration of gasses exceeds 25% of the LEL in soils at the property boundary (310 CMR 19.132 (4) (i)]

ID	DATE	% LEL
LGW-26	5/31/2023	28
LGW-26 Dup	5/31/2023	48

REMARKS:

During quarterly landfill gas monitoring activities at the Mechanic Street Landfill in Leominster, MA on Wednesday, May 31, 2023, Woodard & Curran observed landfill gas in the form of methane at the property boundary exceeding 25% of the Lower Explosive Limit (LEL) at LGW-26.

SIGNED: _____

Kendra Dow



NOTIFICATION LANDFILL GAS EXCEEDANCE

TO: James McQuade – MassDEP Central Region
CC: Michelle Powell – City of Leominster, MA
FROM: Kendra Dow – Woodard & Curran
DATE: March 13, 2024
RE: Mechanic Street Landfill – Leominster, MA
Fourth Quarter 2024 – Notification of Landfill Gas Exceedance

2 HOUR NOTIFICATIONS

[Concentration of explosive gasses exceeds 10% of the LEL in any building, utility conduit, excluding gas control, gas recovery and leachate collection system components (310 CMR 19.132 (4) (g) and 310 CMR 40.0321]

ID	DATE	TIME

24 HOUR NOTIFICATIONS

[Concentration of gasses exceeds 25% of the LEL in soils at the property boundary (310 CMR 19.132 (4) (i)]

ID	DATE	% LEL
LGW-26	3/13/2024	346%
LGW-26 Dup	3/13/2024	260%

REMARKS:

During quarterly landfill gas monitoring activities at the Mechanic Street Landfill in Leominster, MA on Wednesday, March 13, 2024, Woodard & Curran observed landfill gas in the form of methane at the property boundary exceeding 25% of the Lower Explosive Limit (LEL) at LGW-26.

SIGNED: _____

Kendra Dow

Cushner, Mary (DEP)

From: McQuade, James (DEP)
Sent: Thursday, September 26, 2024 11:47 AM
To: Cushner, Mary (DEP)
Subject: FW: Mechanic Street Landfill - Notice of LEL Exceedance
Attachments: 2024.09.26 LF Gas Exceedance Notification - Mechanic Street LF Leominster, MA.pdf

Follow Up Flag: Follow up
Flag Status: Flagged

Mary:
Please review and file.
Jim

From: Kendra Robinson <KRobinson@woodardcurran.com>
Sent: Thursday, September 26, 2024 8:58 AM
To: McQuade, James (DEP) <james.mcquade@mass.gov>
Cc: mpowell@leominster-ma.gov
Subject: Mechanic Street Landfill - Notice of LEL Exceedance

CAUTION: This email originated from a sender outside of the Commonwealth of Massachusetts mail system. Do not click on links or open attachments unless you recognize the sender and know the content is safe.

Mr. McQuade,

Please find attached a landfill gas exceedance notification for the Mechanic Street Landfill in Leominster, MA. As described in the attached notification, landfill gas exceedances were observed at LGW-7 during quarterly environmental monitoring on September 25, 2204. Landfill gas was most recently detected at this well in exceeding concentrations during the September 2017 environmental monitoring event. An old landfill gas monitoring well no longer included in the environmental monitoring program across the street from LGW-7, identified as LG-36, and a catch basin across the street were screened and no methane was detected.

Thank you,

Kendra Robinson, PE*
Project Engineer | Associate Principal



[978.775.3051](tel:978.775.3051) [978.417.0416](tel:978.417.0416) woodardcurran.com

krobinson@woodardcurran.com

[40 Shattuck Road, Suite 110, Andover, MA 01810](#)

**Licensed in MA*



Woodard & Curran

COMMITMENT & INTEGRITY DRIVE RESULTS

NOTIFICATION OF GROUNDWATER MCL EXCEEDANCE

40 Shattuck Road, Suite 110
Andover, MA 01810
978-557-8150 phone
978-557-7948 fax

Date: 10/3/16	Project No. 210024.17
Site Name: Mechanic Street Landfill	
Address: Mechanic Street, Leominster, MA	

TO:

Mr. James McQuade
MassDEP – Central Region
627 Main Street
Worcester, MA 01608
(508) 767-2806

14 DAY NOTIFICATIONS

[310 CMR 19.132, 2, j] – If any concentrations exceed federal drinking water standards (Maximum Contaminant Level – MCL) the Department must be notified within 14 days of the finding.

ID	Sampling Date	Laboratory Report Date	Result	MCL	Historically Detected?
MW-5S	9/21/16	9/28/16	12 ug/l	5 ug/l	YES

REMARKS:

If you have any questions, please do not hesitate to give me a call.

COPIES TO:

Mr. Christopher Knuth, City of Leominster
Mr. Alan Benevides, Woodard & Curran
File No. 210024

SIGNED:

John Bobrek, P.E.



Woodard & Curran

COMMITMENT & INTEGRITY DRIVE RESULTS

NOTIFICATION OF GROUNDWATER MCL EXCEEDANCE

40 Shattuck Road, Suite 110
Andover, MA 01810
978-557-8150 phone
978-557-7948 fax

Date: 9/17/2018	Project No. 210024.19
Site Name: Mechanic Street Landfill	
Address:	
Mechanic Street	
Leominster, MA 01453	

TO:

James McQuade
MassDEP –Central Region
8 New Bond Street
Worcester, MA 01606
(508) 767-2759

14 DAY NOTIFICATIONS

[310 CMR 19.132, 2, j] – If any concentrations exceed federal drinking water standards (Maximum Contaminant Level – MCL) the Department must be notified within 14 days of the finding.

ID	Sampling Date	Laboratory Report Date	Compound	Result	MCL	Historically Detected?
MW-5S	9/5/2018	9/14/2018	Benzene	5.6 ug/L	5 ug/L	Yes

REMARKS:

Groundwater sampling at the above referenced facility was conducted on September 5, 2018 with the noted Maximum Contaminant Level (MCL) exceedances. Please do not hesitate to give Kendra Dow a call at 978-775-3051.

COPIES TO:

SIGNED:

Kendra Dow



Woodard & Curran

COMMITMENT & INTEGRITY DRIVE RESULTS

NOTIFICATION OF GROUNDWATER MCL EXCEEDANCE

40 Shattuck Road, Suite 110
Andover, MA 01810
978-557-8150 phone
978-557-7948 fax

Date: 9/13/2019	Project No. 210024.20
Site Name: Mechanic Street Landfill	
Address:	
Mechanic Street	
Leominster, MA 01453	

TO:

James McQuade
MassDEP –Central Region
8 New Bond Street
Worcester, MA 01606
(508) 767-2759

14 DAY NOTIFICATIONS

[310 CMR 19.132, 2, j] – If any concentrations exceed federal drinking water standards (Maximum Contaminant Level – MCL) the Department must be notified within 14 days of the finding.

ID	Sampling Date	Laboratory Report Date	Compound	Result	MCL	Historically Detected?
MW-5S	9/4/2019	9/13/2019	Benzene	6.2 ug/L	5 ug/L	Yes

REMARKS:

Groundwater sampling at the above referenced facility was conducted on September 4, 2019 with the noted Maximum Contaminant Level (MCL) exceedances. Please do not hesitate to give Kendra Dow a call at 978-775-3051.

COPIES TO:

SIGNED:

Kendra Dow



Woodard & Curran

COMMITMENT & INTEGRITY DRIVE RESULTS

NOTIFICATION OF GROUNDWATER MCL EXCEEDANCE

40 Shattuck Road, Suite 110
Andover, MA 01810
978-557-8150 phone
978-557-7948 fax

Date: 9/10/2020	Project No. 210024.21
Site Name: Mechanic Street Landfill	
Address:	
Mechanic Street	
Leominster, MA 01453	

TO:

James McQuade
MassDEP –Central Region
8 New Bond Street
Worcester, MA 01606
(508) 767-2759

14 DAY NOTIFICATIONS

[310 CMR 19.132, 2, j] – If any concentrations exceed federal drinking water standards (Maximum Contaminant Level – MCL) the Department must be notified within 14 days of the finding.

ID	Sampling Date	Laboratory Report Date	Compound	Result	MCL	Historically Detected?
MW-5S	9/2/2020	9/10/2020	Benzene	8.5 ug/L	5 ug/L	Yes

REMARKS:

Groundwater sampling at the above referenced facility was conducted on September 2, 2020 with the noted Maximum Contaminant Level (MCL) exceedances. Please do not hesitate to give Kendra Dow a call at 978-775-3051.

COPIES TO:

SIGNED: _____

