



# Lead and Copper Analysis Report

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

PWS ID #: **2185000** City / Town: **MILFORD**  
 PWS Name: **Milford Water Department** PWS Class:  COM  NTNC  TNC

Routine or Special Samples	Original, Resubmitted or Confirmation Report	If Resubmitted Report, list below:	
		(1) Reason for Resubmission	(2) Collection Date of Original Sample
<input checked="" type="checkbox"/> RS <input type="checkbox"/> SS	<input checked="" type="checkbox"/> Original <input type="checkbox"/> Resubmitted <input type="checkbox"/> Confirmation	<input type="checkbox"/> Resample <input type="checkbox"/> Reanalysis <input type="checkbox"/> Report Correction	

**SAMPLE NOTES** – (Such as, if a Manifold/Multiple sample, list the sources that were on-line during sample collection).

**II. ANALYTICAL LABORATORY INFORMATION:**

Primary Lab MA Cert. #: **M-RI010** Primary Lab Name: **New England Testing Lab** Subcontracted? (Y/N) **N**

Analyte	Action Level (mg/L)	Lab Method	MDL (mg/L)	Analysis Lab MA Cert.#	Analysis Lab Name
<b>Lead:</b>	<b>0.015</b>	3113B	0.001	M-RI010	<b>New England Testing Lab</b>
<b>Copper:</b>	<b>1.3</b>	3120B	0.01	M-RI010	<b>New England Testing Lab</b>

**LAB SAMPLE NOTES**

DEP Approved Sample Location (See DEP approved LCR plan for sampling locations)		Collection Date	LEAD		COPPER		Lab Sample ID#
			Result (mg/L)	Date Analyzed	Result (mg/L)	Date Analyzed	
1	10 Calvin Dr	8/28/2013	0.033	8/29/2013	0.12	8/30/2013	Z0829-19
2	247 Congress St	8/29/2013	<0.001	8/29/2013	0.23	8/30/2013	Z0829-19
3	9 North Vine St	8/28/2013	0.008	8/29/2013	0.22	8/30/2013	Z0829-19
4	12 Thayer St	8/28/2013	0.055	8/29/2013	0.44	8/30/2013	Z0829-19
5	12 Leonard St	8/28/2013	<0.001	8/29/2013	0.02	8/30/2013	Z0829-19
6	27 Westbrook St	8/27/2013	<0.001	8/29/2013	0.18	8/30/2013	Z0829-19
7	68 West St	8/28/2013	<0.001	8/29/2013	0.14	8/30/2013	Z0829-19
8	5 Calvin Dr	8/27/2013	<0.001	8/29/2013	0.20	8/28/2013	Z0827-57
9	19 Cherry St	8/27/2013	0.002	8/29/2013	0.18	8/28/2013	Z0827-57
10	24 Congress St	8/26/2013	0.005	8/29/2013	0.01	8/28/2013	Z0827-57
11	230 Congress St	8/27/2013	<0.001	8/29/2013	0.16	8/28/2013	Z0827-57
12	5 Gibbon Ave	8/27/2013	0.001	8/29/2013	0.14	8/28/2013	Z0827-57
13	54 Grove St	8/26/2013	0.002	8/29/2013	0.12	8/28/2013	Z0827-57
14	25 Hamilton St	8/27/2013	0.002	8/29/2013	0.11	8/28/2013	Z0827-57
15	27 Hamilton St	8/27/2013	<0.001	8/29/2013	0.20	8/28/2013	Z0827-57
16	30 Jillson Circle	8/27/2013	0.001	8/29/2013	0.19	8/28/2013	Z0827-57
17	6 Mechanic St	8/27/2013	<0.001	8/29/2013	0.06	8/28/2013	Z0827-57
18	5 Nolan Ave	8/27/2013	0.002	8/29/2013	0.14	8/28/2013	Z0827-57
19	9 Nolan Ave	8/27/2013	0.003	8/29/2013	0.13	8/28/2013	Z0827-57
20	65 So. Main St	8/27/2013	<0.001	8/29/2013	0.03	8/28/2013	Z0827-57

Report SCHOOL RESULTS collected in accordance with 310 CMR 22.06B (7)(a)9 below. Do not use these school results in 90<sup>th</sup> percentile calculations.

1	110 Congress St - 101a	8/27/2013	<0.001	8/29/2013	0.15	8/28/2013	Z0827-59
2	110 Congress St - 101b	8/27/2013	<0.001	8/29/2013	0.14	8/28/2013	Z0827-59
3	96 Medway Rd - 116a	8/27/2013	0.001	8/29/2013	0.19	8/28/2013	Z0827-59
4	96 Medway Rd - 116b	8/27/2013	<0.001	8/29/2013	0.20	8/28/2013	Z0827-59

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

Primary Lab Director Signature:

Date: 9/27/2013

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

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

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



# Lead and Copper Analysis Report

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

PWS ID #: **2185000** City / Town: **MILFORD**  
 PWS Name: **Milford Water Department** PWS Class:  COM  NTNC  TNC

Routine or Special Samples	Original, Resubmitted or Confirmation Report	If Resubmitted Report, list below:	
		(1) Reason for Resubmission	(2) Collection Date of Original Sample
<input checked="" type="checkbox"/> RS <input type="checkbox"/> SS	<input checked="" type="checkbox"/> Original <input type="checkbox"/> Resubmitted <input type="checkbox"/> Confirmation	<input type="checkbox"/> Resample <input type="checkbox"/> Reanalysis <input type="checkbox"/> Report Correction	

**SAMPLE NOTES** – (Such as, if a Manifold/Multiple sample, list the sources that were on-line during sample collection).

## II. ANALYTICAL LABORATORY INFORMATION:

Primary Lab MA Cert. #: **M-RI010** Primary Lab Name: **New England Testing Lab** Subcontracted? (Y/N) **N**

Analyte	Action Level (mg/L)	Lab Method	MDL (mg/L)	Analysis Lab MA Cert.#	Analysis Lab Name
<b>Lead:</b>	<b>0.015</b>	3113B	0.001	M-RI010	<b>New England Testing Lab</b>
<b>Copper:</b>	<b>1.3</b>	3120B	0.01	M-RI010	<b>New England Testing Lab</b>

### LAB SAMPLE NOTES

DEP Approved Sample Location (See DEP approved LCR plan for sampling locations)		Collection Date	LEAD		COPPER		Lab Sample ID#
			Result (mg/L)	Date Analyzed	Result (mg/L)	Date Analyzed	
1	15 Thayer St	8/27/2013	0.002	8/29/2013	0.04	8/28/2013	Z0827-57
2	10 Wayne Road	8/26/2013	0.001	8/29/2013	0.32	8/28/2013	Z0827-57
3	14 West Pine St	8/26/2013	<0.001	8/29/2013	0.18	8/28/2013	Z0827-57
4	25 Leonard St	8/27/2013	0.003	8/29/2013	0.04	8/28/2013	Z0827-57
5	35 Mt. Pleasant St	8/27/2013	0.001	8/29/2013	0.04	8/28/2013	Z0827-57
6	10 Ravenna St	8/27/2013	0.002	8/29/2013	0.15	8/28/2013	Z0827-57
7	13 Taylor St	8/27/2013	0.001	8/29/2013	0.01	8/28/2013	Z0827-57
8	23 Westbrook St	8/26/2013	0.001	8/29/2013	<0.01	8/28/2013	Z0827-57
9	33 Walnut St	8/27/2013	0.002	8/29/2013	0.12	8/28/2013	Z0827-57
10	37 Jillson Circle	8/30/2013	<0.001	9/10/2013	0.14	9/10/2013	Z0903-38
11							
12							
13							
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17							
18							
19							
20							

Report SCHOOL RESULTS collected in accordance with 310 CMR 22.06B (7)(a)9 below. Do not use these school results in 90<sup>th</sup> percentile calculations.

1							
2							
3							
4							

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

Primary Lab Director Signature:

Date: 10/8/2013

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

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

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



# Lead and Copper - 90<sup>th</sup> PERCENTILE COMPLIANCE Report

(For Systems Required to Collect More Than 5 Samples)

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

PWS ID #: **2185000** City / Town: **MILFORD**

PWS Name: **Milford Water Department** PWS Class: **COM**  **NTNC**

Sampling Frequency: (choose one)	<input type="checkbox"/> FIRST SEMI-ANNUAL SAMPLING PERIOD	<input type="checkbox"/> REDUCED - EVERY THREE YEARS
	<input type="checkbox"/> SECOND SEMI-ANNUAL SAMPLING PERIOD	<input type="checkbox"/> LEAD SERVICE LINE (LSL) REPLACEMENT PROGRAM
	<input type="checkbox"/> REDUCED - ANNUAL	<input type="checkbox"/> DEMONSTRATION

**Step 1:** Place *lead* results in ascending order (from lowest to highest value) with lowest value at # 1, in the table below. Repeat for *copper* results. Please report results that are ND or less than (<) the laboratory's reported detection limit (MDL) as zero. Results at or above the laboratory's detection limit (MDL) but below 0.005 mg/L for lead or 0.05 mg/L for copper shall be reported as measured or may be reported as 0.0025 mg/L for lead or 0.025 mg/L for copper.

**Step 2:** Multiply the total number of samples collected by 0.9 (this is your 90<sup>th</sup> percentile sample number). Round to the nearest whole number, if necessary.

**Step 3:** Compare the sample result at the 90th percentile sample number against the corresponding action level. If the 90th percentile value is higher than the action level, then you have an exceedance and are required to contact MassDEP as soon as possible for information on compliance actions.

Note: Do not include school results on this form unless the PWS is a school.

LEAD RESULTS (mg/L)							
#	Results	#	Results	#	Results	#	Results
1*	<0.001	16	0.001	31		46	
2	<0.001	17	0.001	32		47	
3	<0.001	18	0.002	33		48	
4	<0.001	19	0.002	34		49	
5	<0.001	20	0.002	35		50	
6	<0.001	21	0.002	36		51	
7	<0.001	22	0.002	37		52	
8	<0.001	23	0.002	38		53	
9	<0.001	24	0.002	39		54	
10	<0.001	25	0.003	40		55	
11	<0.001	26	0.003	41		56	
12	0.001	27	0.005	42		57	
13	0.001	28	0.008	43		58	
14	0.001	29	0.033	44		59	
15	0.001	30	0.055	45		60	

COPPER RESULTS (mg/L)							
#	Results	#	Results	#	Results	#	Results
1*	<0.01	16	0.14	31		46	
2	0.01	17	0.14	32		47	
3	0.01	18	0.14	33		48	
4	0.02	19	0.15	34		49	
5	0.03	20	0.16	35		50	
6	0.04	21	0.18	36		51	
7	0.04	22	0.18	37		52	
8	0.04	23	0.18	38		53	
9	0.06	24	0.19	39		54	
10	0.11	25	0.20	40		55	
11	0.12	26	0.20	41		56	
12	0.12	27	0.22	42		57	
13	0.12	28	0.23	43		58	
14	0.13	29	0.32	44		59	
15	0.14	30	0.44	45		60	

**\*Lowest Value**

My system was required to collect: 30 lead and copper samples. My system collected: 30 lead and copper samples.

Total # of samples collected: 30 x 0.9 = 27 This number is my system's 90<sup>th</sup> percentile sample #.

Circle the 90<sup>th</sup> percentile sample # for both lead and copper in the table above, and enter the results in the appropriate spaces below.

<u>0.005</u> (Lead result at 90 <sup>th</sup> percentile sample#)	Compared to <u>0.015 mg/L</u> (The lead action level)	<u>0.22</u> (Copper result at 90 <sup>th</sup> percentile sample#)	Compared to <u>1.3 mg/L</u> (The copper action level)
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## II. CERTIFICATION:

Check and complete the correct statement for lead as determined by the above results. If you have an exceedance and you are a community system you must comply with the Consumer Confidence Rule (CCR) reporting requirements in accordance with 310 CMR 22.16A(4)(i)6.

- My system was **at or below** the lead action level.
- My system **exceeded** the lead action level and \_\_\_\_\_ sampling sites **exceeded** the lead action level.  
(Insert # of samples)

Check and complete the correct statement for copper as determined from the above results. If you have an exceedance and you are a community system you must comply with the Consumer Confidence Rule (CCR) reporting requirements in accordance with 310 CMR 22.16A(4)(i)6.

- My system was **at or below** the copper action level.
- My system **exceeded** the copper action level and \_\_\_\_\_ sampling sites **exceeded** the copper action level.  
(Insert # of samples)

*My signature below indicates that all sampling sites on this report have been previously approved in writing by the DEP and that I have complied with 310 CMR 22.06B(7). I have also notified the owner of each sampling site of their sites' individual results. I certify under penalty of law that I am the person authorized to fill out this form and the information contained herein is true, accurate and complete to the best of my knowledge and belief.*

\_\_\_\_\_  
Title Signature of PWS or Owner's Representative Date