

# Municipal Authority of Borough of Union City

29 South Main Street - Union City, Pennsylvania 16438

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Phone (814)-438-3721

*Daniel R. Brumagin, Operations Manager*

Fax (814)-438-3495

December 2011

Dear Water Customer,

We are happy to report that we are currently in compliance, at least on a biweekly basis, with the disinfection byproduct regulation which governs the HAA5s and TTHMs that are in drinking water supplies.

I have attached a copy of the reports from Microbac Laboratories, Inc. to this letter that shows our biweekly test results for our HAA5/TTHM samples that were taken on November 9<sup>th</sup> and November 22<sup>nd</sup>. Below each copy of the report, as you will see, I have added the following test result summaries:

11/09/2011- Total HAA5s=	45.3 ppb	Regulation=	60.0 ppb (parts per billion)
11/09/2011- Total TTHMs=	70.4 ppb	Regulation=	80.0 ppb (parts per billion)
11/22/2011- Total HAA5s=	45.6 ppb	Regulation=	60.0 ppb (parts per billion)
11/22/2011- Total TTHMs=	61.2 ppb	Regulation=	80.0 ppb (parts per billion)

As you can see by the summary data, both sampling periods are both under the regulated limits. As I stated in my previous letter to you, we would continue to keep you up-to-date with our progress. Our main goal has been to achieve the required DEP quarterly compliance with the byproduct regulation and achieving compliance in our biweekly sampling/testing is another step in achieving this goal.

The water quality at our surface supply reservoir will continue to improve with more rain and snow that will be coming as we move into early winter. Improved source water quality will help us to improve the quality of the drinking water that we supply to you, our customers.

Any extra precautions that you are taking in-regard-to disinfection byproducts is a personal choice and continue to do what you feel is best for you and your family. We will continue to keep you up-to-date on our progress and providing future test result data on our progress in the near future.

On a side note, we will be starting our H2O grant projects on the new raw water line and the new water storage tank sometime after the first of the year. These projects are designed to further improve our drinking water quality so that we will be able to maintain compliance with the disinfection byproducts regulation.

Please feel free to contact me if you should have any questions or would like to discuss this further.

HAPPY HOLIDAYS!

Sincerely,

*Daniel R. Brumagin*

Daniel R. Brumagin  
UCMA- Operations Manager  
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Union City, PA 16438

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# Union City Bi-Weekly HAA5/TTHM Data- November 2011



Microbac Laboratories, Inc.  
 Erie Division  
 1962 Wager Road • Erie, PA 16509 • Phone: 814-825-8533 • Fax: 814-825-9254  
 Cheri Estes, Managing Director • E-mail: erie@microbac.com • http://www.microbac.com

## CERTIFICATE OF ANALYSIS

**03 WWTP DW Sample (Max Residence)**

**Sample Date: 11/09/2011**

**Sample Time: 14:50**

Haloacetic Acids (HAAs) in Drinking Water by GC	SM 6251B				
Dibromoacetic acid		<1.00 ug/L	11/22/11	3:59	JMS
Dichloroacetic acid		6.93 ug/L	11/22/11	3:59	JMS
Monobromoacetic acid		<1.00 ug/L	11/22/11	3:59	JMS
Monochloroacetic acid		<2.00 ug/L	11/22/11	3:59	JMS
Trichloroacetic acid		38.4 ug/L	11/22/11	3:59	JMS
Total Haloacetic Acids		45.3 ug/L	11/22/11	3:59	JMS
TTHM in Drinking Water by GC-MS	EPA 524.2				
Bromodichloromethane		0.0130 mg/L	11/19/11	4:54	jms
Bromoform		<0.00100 mg/L	11/19/11	4:54	jms
Chloroform		0.0560 mg/L	11/19/11	4:54	jms
Dibromochloromethane		0.00150 mg/L	11/19/11	4:54	jms
Total Trihalomethanes		0.0704 mg/L	11/19/11	4:54	jms

**Order Notes**

The THM and HAA analyses were sub-contracted to Microbac Laboratories, Inc./Central PA Division. NELAP PA ID# 22-00578 (W.O. 1127306)

11/09/2011- Total HAA5s= **45.3 ppb**      Regulation= 60.0 ppb (parts per billion)  
 11/09/2011- Total THMs= **70.4 ppb**      Regulation= 80.0 ppb (parts per billion)

**03 WWTP DW Sample (Max Residence)**

**Sample Date: 11/22/2011**

**Sample Time: 11:20**

Haloacetic Acids (HAAs) in Drinking Water by GC	SM 6251B				
Dibromoacetic acid		<1.00 ug/L	12/02/11	19:00	JLW
Dichloroacetic acid		10.7 ug/L	12/02/11	19:00	JLW
Monobromoacetic acid		<1.00 ug/L	12/02/11	19:00	JLW
Monochloroacetic acid		2.32 ug/L	12/02/11	19:00	JLW
Trichloroacetic acid		32.5 ug/L	12/02/11	19:00	JLW <b>QM7</b>
Total Haloacetic Acids		45.6 ug/L	12/02/11	19:00	JLW
TTHM in Drinking Water by GC-MS	EPA 524.2				
Bromodichloromethane		0.0121 mg/L	11/28/11	20:19	jms
Bromoform		<0.00100 mg/L	11/28/11	20:19	jms
Chloroform		0.0475 mg/L	11/28/11	20:19	jms
Dibromochloromethane		0.00167 mg/L	11/28/11	20:19	jms
Total Trihalomethanes		0.0612 mg/L	11/28/11	20:19	jms

**Order Notes**

The THM/HAA analyses were sub-contracted to Microbac Laboratories, Inc./Central PA Division. NELAP PA ID# 22-00578 (W.O. 1127860)

All samples received in proper condition and results conform to ISO 17025 unless otherwise noted

11/22/2011- Total HAA5s= **45.6 ppb**      Regulation= 60.0 ppb (parts per billion)  
 11/22/2011- Total THMs= **61.2 ppb**      Regulation= 80.0 ppb (parts per billion)