

2009 Annual Drinking Water Quality Report

City of Warren Utility Services

This brochure explains the quality of drinking water provided by the City of Warren Utility Services. Included is a listing of results from water quality tests as well as an explanation of where our water comes from and tips on how to interpret the data. We're proud to share our results with you. Please read them carefully.

Water Source Protection The City of Warren public water system uses surface water drawn from the Mosquito Creek Reservoir. For the purposes of source water assessments, in Ohio all surface waters are considered to be susceptible to contamination. By their nature, surface waters are readily accessible and can be contaminated by chemicals and pathogens which may rapidly arrive at the public drinking water intake with little warning or time to prepare. The City of Warren's drinking water source protection area is susceptible to wastewater treatment discharges, home sewage disposal system discharges, runoff from construction sites, residential, agricultural and urban areas, oil and gas production and transportation, and accidental releases and spills from vehicular traffic as well as from recreational boating. The City of Warren public water system treats the water to meet drinking water quality standards, but no single treatment technique can address all potential contaminants. The potential for water quality impacts can be further decreased by implementing measures to protect Mosquito Creek Reservoir and its watershed. More detailed information is provided in the City of Warren's Drinking Water Source Assessment report, which can be obtained by calling George Ginnis or Valerie Meyers at 330-841-2578.

Important Health Information Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the Environmental Protection Agency's Safe Drinking Water Hotline (800-426-4791). The sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs, and wells. As water travels over the surface of the land or through the ground, it dissolves naturally-occurring minerals and, in some cases, radioactive material, and can pick up substances resulting from the presence of animals or from human activity. Contaminants that may be present in source water include: **(A) Microbial contaminants**, such as viruses and bacteria, which may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife. **(B) Inorganic contaminants**, such as salts and metals, which can be naturally-occurring or result from urban storm water runoff, industrial or domestic wastewater discharges, oil and gas production, mining or farming. **(C) Pesticides and herbicides**, which may come from a variety of sources such as agriculture, urban storm water runoff, and residential uses. **(D) Organic chemical contaminants**, including synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum production, and also from gas stations, urban storm water runoff, and septic systems. **(E) Radioactive contaminants**, which can be naturally-occurring or be the result of oil and gas production and mining activities.

In order to ensure that tap water is safe to drink, EPA prescribes regulations which limit the amount of certain contaminants in water provided by public water systems. FDA regulations establish limits for contaminants in bottled water, which must provide the same protection for public health.

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be

particularly at risk from infections. These people should seek advice about drinking water from their health care providers. EPA/CDC guidelines on appropriate means to lessen the risk of infection by *Cryptosporidium* and other microbial contaminants are available from the Safe Drinking Water Hotline (800-426-4791). If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. Warren Water Dept. is responsible for providing high quality drinking water, but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods, steps you can take to minimize exposure is available from the Safe Drinking Water Hotline or at <http://www.epa.gov/safewater/lead>.

How to Read the Water Quality Table The results of tests performed in 2009 are presented in the table. Terms used in the Water Quality Table and in other parts of this report are defined here.

Maximum Contaminant Level or MCL: The highest level of a contaminant that is allowed in drinking water. MCLs are set as close to MCLGs as feasible using the best available treatment technology.

Maximum Contaminant Level Goal or MCLG: The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.

Detected Level: The highest level detected of a contaminant for comparison against the acceptance levels for each parameter. These levels could be the highest single measurement, or an average of values depending on the contaminant.

Range: The lowest to the highest values for all samples tested for each contaminant. If only one sample is tested, or no range is required for this report, then no range is listed for that contaminant in the table.

Treatment Technique (TT): A required process intended to reduce the level of a contaminant in drinking water.

Drinking Water Notice

Failure to Provide Public Education Materials for Lead Exceedances in City of Warren PWS Water Filtration

We routinely monitor lead and copper levels in our drinking water. OAC 3745-81-85 requires that a community water system shall deliver public education materials to consumers within 60 days after the lead action level exceedance and every 12 months thereafter, as long as the system exceeds the lead action level. We failed to deliver the proper lead public education materials to all customers by November 29, 2009, as required.

What is being done? We are still required to deliver public education materials on lead in drinking water to consumers by

- Mail or hand deliver AND
- Continuous posting in conspicuous places

For more information, please contact George Ginnis or Valerie Meyers at 330-841-2578 or contact the Warren Water Filtration Plant at 2710 State Route Five, Cortland, Ohio 44410.

We encourage public interest and participation in our community's decisions affecting drinking water. Regular meetings are held twice monthly at Council Chambers at 7:30 pm. Please call 330-841-2578 for specific dates. The public is welcome.

PWSID #: 7803811

City of Warren Utility Services Water Quality Table

Inorganic Contaminants	Date Tested	Units	MCLG	MCL	Detected Level	Range	Violation	Major Sources
Barium	2009	ppm	2	2	0.015	na	No	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits
Fluoride	2009	ppm	4	4	1.28	0.80-1.28	No	Erosion of natural deposits; Water additive which promotes strong leath; Discharge from fertilizer and aluminum factories
Nitrate	2009	ppm	10	10	1.31	nd-1.31	No	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits
Copper	2009	ppb	0	AL=1300	38	na	No	Corrosion of household plumbing and leaching from wood preservatives
Lead	2009	ppb	0	AL=15	14	na	No	Corrosion of household plumbing systems
Three out of the thirty samples were found to have lead levels in excess of the Action Level of 15ppb.								

Microbiological Contaminants	Date Tested	Units	MCLG	MCL	Detected Level	Range	Violation	Major Sources
Turbidity ¹	2009	NTU	na	TT	0.29	---	No	Soil runoff

Volatile Organic Contaminants	Date Tested	Units	MCLG	MCL	Detected Level	Range	Violation	Major Sources
TTHMs (Total trihalomethanes)	2009	ppb	na	80	91.7	18.7-105.7	No	By-product of drinking water chlorination
Bromochloromethane	2009	ppb	na	na	10.9	4.3-16.6	No	By-product of drinking water chlorination
Chlorodibromomethane	2009	ppb	na	na	1.4	0.5-1.7	No	By-product of drinking water chlorination
Chloroform	2009	ppb	na	na	79.4	13.8-93.1	No	By-product of drinking water chlorination
HAA (Total Haloacetic Acids)	2009	ppb	na	60	68.5	20.3-71.4	No	By-product of drinking water chlorination
Dichloroacetic Acid	2009	ppb	na	na	33.8	10.6-36.9	No	By-product of drinking water chlorination
Trichloroacetic Acid	2009	ppb	na	na	31.8	7.7-33.4	No	By-product of drinking water chlorination
TTHMs (Total trihalomethanes) IDSE	2009	ppb	na	na	na	20.2-98.6	na	By-product of drinking water chlorination
HAA (Total Haloacetic Acids) IDSE	2009	ppb	na	na	na	19.3-69.6	na	By-product of drinking water chlorination
Synthetic Organic Contaminants	Date Tested	Units	MCLG	MCL	Detected Level	Range	Violation	Major Sources
TOC (Total Organic Carbon) ²	2009	ratio	na	TT	1.0	0.76-1.38	No ³	Naturally present in the environment

Water Quality Table Footnotes

¹ Greater than 99% of the samples tested were below the treatment technique level of 0.3 NTU. Turbidity is a measure of the cloudiness of the water. We monitor it because it is a good indicator of the effectiveness of our filtration system.

² The value reported under "Level Found" for Total Organic Carbon (TOC) is the lowest ratio between percentage of TOC actually removed to the percentage of TOC required to be removed. A value of greater than one indicates that the water system is in compliance with TOC removal requirements. A value of less than one indicates a violation of the TOC removal requirements.

³ The city is not in violation for TOC because we are currently using an alternate method (SUVA VALUE) to meet the TOC requirement. All SUVA values are within the required range.

Health Effects Language For Total Trihalomethanes

Some people who drink water containing trihalomethanes in excess of the MCL over many years may experience problems with their liver, kidneys, or central nervous systems, and may have an increased risk of getting cancer. The result represented in this table does not indicate a violation. For more information, call our Chemist with the City of Warren Utility Services at 330-841-2578.

Health Effects Language For Lead

If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. The Warren Water Department is responsible for providing high quality drinking water, but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline or at <http://www.epa.gov/safewater/lead>. Infants and young children are typically more vulnerable to lead in drinking water than the general population. It is possible that lead levels at your home may be higher than at other homes in the community as a result of materials used in your home's plumbing. If you are concerned about elevated lead levels in your home's water, you may wish to have your water tested and flush your tap for 30 seconds to 2 minutes before using tap water. Additional information is available from the Safe Drinking Water Hotline (1-800-426-4791).

Key to Table

MCL = Maximum Contaminant Level

MCLG = Maximum Contaminant Level Goal

NTU = Nephelometric Turbidity Units

ppm = parts per million, or milligrams per liter (mg/L)

ppb = parts per billion, or micrograms per liter (ug/L)

TT = Treatment Technique

na = not applicable

nd = none detected

AL = Action Level (the concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow)

CONTENT OF PUBLIC EDUCATION MATERIALS FOR THE WARREN WATER SYSTEM

Community water systems that fail to meet the lead action level must issue an alert on each water bill in large print within 60 days. In addition, a notice or bill stuffer with mandatory language must be sent with each bill.

MANDATORY WRITTEN LANGUAGE

The following text must be included in all printed materials distributed. Any additional information presented must be consistent with the information below and be written clearly and simply so that it can be understood by laypersons. US Environmental Protection Agency (USEPA) and AWWA plans to develop reprinted brochures using the mandatory written language. Utilities also may develop their own materials.

I. INTRODUCTION

The United States Environmental Protection Agency (USEPA) and the City of Warren Water Filtration Plant are concerned about lead in your drinking water. Although most homes have very low levels of lead in their drinking water, some homes in the community have lead levels above the USEPA action level of 15 parts per billion (ppb), or 0.015 milligrams of lead per liter of water (mg/L). Under Federal law we are required to have a program in place to minimize lead in your drinking water by March 31, 2010. This program includes corrosion control treatment, source water treatment, and public education. We are also required to replace each lead service line that we control if the line contributes lead concentrations of 15 ppb or more after we have completed the comprehensive treatment program. If you have any questions about how we are carrying out the requirements of the lead regulation, please give us a call at (330) 841-2578. This brochure explains the simple steps you can take to protect yourself by reducing your exposure to lead in drinking water.

II. HEALTH EFFECTS OF LEAD

Lead is a common, natural and often useful metal found throughout the environment in lead based paint, air, soil, household dust, food, certain types of pottery porcelain and pewter, and water. Lead can pose a significant risk to your health if too much of it enters your body. Lead builds up in the body over many years and can cause damage to the brain, red blood cells and kidneys. The greatest risk is to young children and pregnant women. Amounts of lead that would not hurt adults can slow down normal mental and physical development in growing bodies. In addition, a child at play often comes into contact with sources of lead contamination, like dirt and dust that rarely affect an adult. It is important to wash children's hands and toys often, and to try to make sure they only put food in their mouths.

III. LEAD IN DRINKING WATER

- (a) Lead in drinking water, although rarely the sole cause of lead poisoning can significantly increase a person's total lead exposure, particularly the exposure of infants who drink baby formulas and concentrated juices that are mixed with water. The EPA estimates that drinking water can make up 20 percent or more of a person's total exposure to lead.
- (b) Lead is unusual among drinking water contaminants in that it seldom occurs naturally in water supplies like rivers and lakes. Lead enters drinking water primarily as a result of the corrosion, or wearing away, of materials containing lead in the water distribution system and household plumbing. These materials include lead based solder used to join copper pipe, brass and chrome plated brass faucets, and in some cases, pipes made of lead that connect your house to the water main (service lines). In 1986, Congress banned the use of lead solder containing greater than 0.2% lead, and restricted the lead content of faucets, pipes and other plumbing materials to 8.0 percent.
- (c) When water stands in lead pipes or plumbing systems containing lead for several hours or more, the lead may dissolve into your drinking water. This means the first water drawn from the tap in the morning, or later in the afternoon after returning from work or school, can contain fairly high levels of lead.

IV. STEPS YOU CAN TAKE TO REDUCE EXPOSURE TO LEAD IN DRINKING WATER

- (a) Despite our best efforts mentioned earlier to control water corrosivity and remove lead from the water supply, lead levels in some homes or buildings can be high. To find out whether you need to take action in your home, have your drinking water tested to determine if it contains excessive concentrations of lead. Testing the water is essential because you cannot see, taste or smell lead in drinking water. For more information on having your water tested, please call (330) 841-2578.
- (b) If a water test indicates that the drinking water drawn from a tap in your home contains lead above 15 ppb, then you should take the following precautions:
 - (i.) Let the water run from the tap before using it for drinking or cooking any time the water in a faucet has gone unused for more than six hours. The longer water resides in your home's plumbing the more lead it may contain. Flushing the tap means running the cold water faucet until the water gets noticeably colder, usually about 15-30 seconds. If your house has a lead service line to the water main, you may have to flush the water for a longer time, perhaps one minute, before drinking. Although toilet flushing or showering flushes water through a portion of the plumbing system, you still need to flush the water in each faucet before using it for drinking or cooking. Flushing tap water is a simple and inexpensive measure you can take to protect your health. It usually uses less than one or two gallons of water and costs less than twenty cents per month. To conserve water, fill a couple bottles for drinking water after flushing the tap, and whenever possible use the first flush water to wash dishes or water plants. If you live in a high rise building, letting the water flow before using it may not work to lessen your risk from lead. The plumbing systems have more and sometimes larger pipes than smaller buildings. Ask your landlord for help in locating the source of the lead and for advice on reducing the lead level.

- (ii.) Try not to cook with or drink water from the hot water tap. Hot water can dissolve more lead more quickly than cold water. If you need hot water, draw water from the cold tap and heat it on the stove.
- (iii.) Remove loose lead solder and debris from the plumbing materials installed in newly constructed homes, or homes in which the plumbing has recently been replaced, by removing the faucet strainers from all taps and running the water from 3 to 5 minutes. Thereafter, periodically remove the strainers and flush out any debris that has accumulated over time.
- (iv.) If your copper pipes are joined with lead solder that has been installed illegally since it was banned in 1986, notify the plumber who did the work and request that he or she replace the lead solder with lead free solder. Lead solder looks dull gray, and when scratched with a key looks shiny. In addition, notify the Ohio EPA, Division of Drinking and Ground Waters at (614) 644-2752 about the violation.

- (v) Please note that the City of Warren water plant and distribution pipes do NOT contain lead. Some older homes, however, may have lead service lines which connect the home to the distribution main. You should determine whether or not the service line that connects your home or apartment to the water main is made of lead. The best way to determine this is by either hiring a licensed plumber to inspect the line, or by contacting the plumbing contractor who installed the line. You can identify the plumbing contractor by checking the city's record of building permits which are maintained in the City of Warren's Engineering Planning and Building Department. A licensed plumber can at the same time check to see if your home's plumbing contains lead solder, lead pipes, or pipe fittings that contain lead.

If the service line that connects your dwelling to the water main contributes more than 15 ppb lead to drinking water after our comprehensive treatment program is in place, we are required to provide you with information on how to replace your portion of the service line, and offer to replace that portion of the line at your expense, and take a follow up tap water sample within 14 days of the replacement. Acceptable replacement alternatives include copper, steel, iron or plastic pipes.

- (vi) Have an electrician check your wiring. If grounding wires from the electrical system are attached to your pipes, corrosion may be greater. Check with a licensed electrician or your local electrical code to determine if your wiring can be grounded elsewhere. DO NOT attempt to change the wiring yourself because improper grounding can cause electrical shock and fire hazards.
- (c) The steps described above will reduce the lead concentrations in your drinking water. However, if a water test indicates that the drinking water coming from your tap contains lead concentrations in excess of 15 ppb after flushing, or after we have completed our actions to minimize lead levels, then you may want to take the following measures:
- (i.) Purchase or lease a home treatment device. Home treatment devices are limited in that each unit treats only the water that flows from the faucet to which is connected, and all of the devices require periodic maintenance and replacement. Devices such as reverse osmosis systems or distillers can effectively remove lead from your drinking water. Some activated carbon filter *may* reduce lead levels at the tap; however, all lead reduction claims should be investigated. Be sure to check the actual performance of a specific home treatment device before or after installing the unit.
 - (ii.) You also have the option of purchasing bottled water for drinking and cooking.
- (d) You can consult a variety of sources for additional information. Your family doctor or pediatrician can perform a blood test for lead and provide you with information about the health effects of lead. State and local government agencies that can be contacted include:
- (i.) City of Warren Public Utilities Department can provide you with information about your community's water supply, and a list of local laboratories that have been certified by EPA for testing water quality;
 - (ii.) City of Warren Engineering, Planning and Building Department at (330) 841-2617 can provide you with information about building permit records that should contain the names of plumbing contractors that plumbed your home.
 - (iii.) Trumbull County Health Department (330-675-2489) can provide you with information about the health effects of lead and how you can have your child's blood tested.
- (e) The following is a list of some State approved laboratories in your area that you can call to have your water tested for lead.
- Cardinal Laboratory Inc. (330-797-8844)
Adams Water Laboratory, Inc. (330-633-3991)
- (f) A copy of these educational materials on the consumption of lead will also be sent in the 2008 Consumer Confidence Report.



DRINKING WATER LEAD AND COPPER MONITORING REPORT

RECEIVED
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Water System Identification and Sampling Date(s)

PWS Name Warren, City of		PWSID 7803811	County Trumbull
Street or Box 540 Laird Avenue S.E.		Phone (330) 841-2531	Population 70,000
City Warren	Zip Code 44483	DATE(S) SAMPLES COLLECTED 6/22/05	

Return completed report to your district office no later than 10 days after the end of the sampling period. Keep a copy in your records for at least 12 years.

Analytical Laboratory Identification

Laboratory Name	Inorganic Certification No.
ATEL	4053

NOTICE: This report is required under Revised Code Sections 6109.04 and 6109.12. Non-compliance may result in civil penalties up to a maximum of \$25,000 per violation under Sections 6109.31 and 6109.33.

Lead and Copper Tap Monitoring (First-Draw Samples)

a. Number of sampling sites required: Number of samples analyzed: If the number of samples analyzed is less than the standard number of sampling sites required for your water system, why?

b. Were all sampling sites tier 1 sites? Yes No If no, why?

c. Were 50% of your lead samples from sites with Lead Service Lines? Yes No If no, why?

d. Have any of your sampling sites changed since the last monitoring period? Yes No If yes, why?
Pb lines replaced and vacant/

e. 90th% Lead Level: $\mu\text{g/L}$ 90th% Copper Level: $\mu\text{g/L}$

Lead and Copper Tap Monitoring Results must be shown by attaching Ohio EPA forms 5106 and 5107.

When the 90th% Lead Level is 15.5 $\mu\text{g/L}$ or higher or when the 90th% Copper Level is 1350 $\mu\text{g/L}$ or higher, additional testing is usually required. If either of these results occurred, contact your Ohio EPA district office as soon as possible for more information.

Required Certification

I certify that each first-draw lead and copper sample collected for our water system was one liter in volume, was taken from a kitchen or bathroom cold-water tap or a drinking fountain, and, to the best of my knowledge, had stood motionless in the service line and in the interior plumbing of the sampling site for at least six hours. I further certify that each tap sample collected by residents was taken after the water system informed them of proper sampling procedures.

Printed Name of Person in Responsible Charge of Monitoring David J. Sferra	Signature of Person in Responsible Charge of Monitoring 	Date 8-23-05
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For Ohio EPA use only:	Monitoring period:	Period number: 4	Period type code: AT	Period outcome: M	Next due date: 2008
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PWS Name Warren, City of	PWSID 7803811	County Trumbull
Date(s) samples were collected 6/22/05		

- List this monitoring period's samples in order from the lowest lead concentration to the highest lead concentration.
- Number the first column of each line used, starting with the number 1.
- Calculate the 90th percentile line number(s) according to the instructions and circle that number(s) and the lead concentration(s) for that sample(s).

Line Number	Sample Date and Laboratory Sample Number	Address of Sample Site <u>and</u> Tap Type* and Location <small>Example: 234 S Main St / B 2nd floor Town OH 432__</small>	Structure Type SFR MFR or BLDG	Interior Plumbing Material Pb CuPb > 82 CuPb < 83 CuLF or other	Service Line Material Pb Cu or other	Tier 1 2 3 or other	Lead Conc. [Pb] µg/L	
1	6-22 09994	157 Oak Knoll	K	SFR	CuPb < 83	Pb	1	< 2.0
2	6-22 09996	174 Hazelwood	K	SFR	CuPb < 83	Pb	1	< 2.0
3	6-22 09997	324 Kenmore	K	SFR	CuPb < 83	Pb	1	< 2.0
4	6-22 09999	174 Iddings	K	SFR	CuPb < 83	Pb	1	< 2.0
5	6-22 10000	1239 Grant	K	SFR	CuPb < 83	Pb	1	< 2.0
6	6-22 10001	948 Maryland	K	SFR	CuPb < 83	Pb	1	< 2.0
7	6-22 10002	1041 McKinley	K	SFR	CuPb < 83	Pb	1	< 2.0
8	6-22 10005	1983 Ewalt	K	SFR	CuPb > 82	Cu	1	< 2.0
9	6-22 10006	2144 North River	K	SFR	CuPb > 82	Cu	1	< 2.0
10	6-22 10007	826 Dana	K	SFR	CuPb < 83	Pb	1	< 2.0
11	6-22 10008	880 Oak Knoll	K	SFR	CuPb < 83	Pb	1	< 2.0
12	6-22 10009	697 Oak Knoll	K	SFR	CuPb < 83	Pb	1	< 2.0
13	6-22 10010	324 Clifton	K	SFR	CuPb > 82	Cu	1	< 2.0
14	6-22 10011	2133 Younstown Road	K	SFR	CuPb < 83	Pb	1	< 2.0
15	6-22 10012	4047 Adrian	K	SFR	CuPb < 83	Cu	1	< 2.0
16	6-22 10013	872 North Road	K	SFR	CuPb > 82	Cu	1	< 2.0
17	6-22 10014	328 Willow	K	SFR	CuPb > 82	Cu	1	< 2.0
18	6-22 10015	2516 Weir	K	SFR	CuPb > 82	Cu	1	< 2.0
19	6-22 10016	1040 Woodland	K	SFR	CuPb > 82	Pb	1	< 2.0
20	6-22 10017	553 Scott	K	SFR	CuPb > 82	Pb	1	< 2.0

*Tap type codes: B - bathroom sink cold water tap; D - drinking fountain; K - kitchen sink cold water tap; R - rest room sink cold water tap; O - other tap (with prior Ohio EPA acceptance)

NOTICE:

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Page 1 of 2 pages

PWS Name Warren, City of	PWSID 7803811	County Trumbull
Date(s) samples were collected 6/22/05		

- List this monitoring period's samples in order from the lowest copper concentration to the highest copper concentration.
- Number the first column of each line used, starting with the number 1.
- Calculate the 90th percentile line number(s) according to the instructions and circle that number(s) and the copper concentration(s) for that sample(s).

Line Number	Sample Date and Laboratory Sample Number	Address of Sample Site <u>and</u> Example: 234 S Main St Town OH 432__	Tap Type* and Location	Structure Type SFR MFR or BLDG	Interior Plumbing Material Pb CuPb > 82 CuPb < 83 CuLF or other	Service Line Material Pb Cu or other	Tier 1 2 3 or other	Copper Conc. [Pb] $\mu\text{g/L}$
1	6-22 09994	157 Oak Knoll	K	SFR	CuPb < 83	Pb	1	< 10
2	6-22 09996	174 Hazelwood	K	SFR	CuPb < 83	Pb	1	< 10
3	6-22 09997	324 Kenmore	K	SFR	CuPb < 83	Pb	1	< 10
4	6-22 09998	756 Kenmore	K	SFR	CuPb > 82	Pb	1	< 10
5	6-22 09999	174 Iddings	K	SFR	CuPb < 83	Pb	1	< 10
6	6-22 10000	1239 Grant	K	SFR	CuPb < 83	Pb	1	< 10
7	6-22 10001	948 Maryland	K	SFR	CuPb < 83	Pb	1	< 10
8	6-22 10002	1041 McKinley	K	SFR	CuPb < 83	Pb	1	< 10
9	6-22 10006	2144 North River	K	SFR	CuPb > 82	Cu	1	< 10
10	6-22 10007	826 Dana	K	SFR	CuPb < 83	Pb	1	< 10
11	6-22 10008	880 Oak Knoll	K	SFR	CuPb < 83	Pb	1	< 10
12	6-22 10009	697 Oak Knoll	K	SFR	CuPb < 83	Pb	1	< 10
13	6-22 10010	324 Clifton	K	SFR	CuPb > 82	Cu	1	< 10
14	6-22 10011	2133 Youngstown Road	K	SFR	CuPb < 83	Pb	1	< 10
15	6-22 10012	4074 Adrian	K	SFR	CuPb < 83	Cu	1	< 10
16	6-22 10014	328 Willow	K	SFR	CuPb > 82	Cu	1	< 10
17	6-22 10015	2516 Weir	K	SFR	CuPb > 82	Cu	1	< 10
18	6-22 10018	1133 Patchen	K	SFR	CuPb > 82	Cu	1	< 10
19	6-22 10019	1374 Bradford	K	SFR	CuPb < 83	Pb	1	< 10
20	6-22 10022	1514 Highland	k	SFR	CuPb < 83	Pb	1	< 10

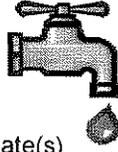
*Tap type codes: B - bathroom sink cold water tap; D - drinking fountain; K - kitchen sink cold water tap; R - rest room sink cold water tap; O - other tap (with prior Ohio EPA acceptance)

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OCT 14 2008

OHIO EPA NEDO



DRINKING WATER LEAD AND COPPER MONITORING REPORT

Water System Identification and Sampling Date(s)

PWS Name WARREN, CITY OF		PWSID 7803811	County TRUMBULL
Street or Box 2710 STATE ROUTE 5		Phone (330) 841-2578	Population 250,000
City CORTLAND	Zip Code 44410	DATE(S) SAMPLES COLLECTED 8/26/08; 8/31/08; 8/14/08; 8/25/08; 8/26/08; 8/27/08	

Analytical Laboratory Identification

Return completed report to your district office no later than 10 days after the end of the sampling period. Keep a copy in your records for at least 12 years.

Laboratory Name	Inorganic Certification No.
Alloway	4053

NOTICE: This report is required under Revised Code Sections 6109.04 and 6109.12. Non-compliance may result in civil penalties up to a maximum of \$25,000 per violation under Sections 6109.31 and 6109.33.

Lead and Copper Tap Monitoring (First-Draw Samples)

a. Number of sampling sites required: **30** Number of samples analyzed: **90** If the number of samples analyzed is less than the standard number of sampling sites required for your water system, why?

b. Were all sampling sites tier 1 sites? Yes No If no, why?

c. Were 50% of your lead samples from sites with Lead Service Lines? Yes No If no, why?

d. Have any of your sampling sites changed since the last monitoring period? Yes No If yes, why?
See Attachment

e. 90th% Lead Level: **21** ug/L 90th% Copper Level: **24** ug/L

Lead and Copper Tap Monitoring Results must be shown by attaching Ohio EPA forms 5106 and 5107.

When the 90th% Lead Level is 15.5 ug/L or higher or when the 90th% Copper Level is 1350 ug/L or higher, additional testing is usually required. If either of these results occurred, contact your Ohio EPA district office as soon as possible for more information.

Required Certification

I certify that each first-draw lead and copper sample collected for our water system was one liter in volume, was taken from a kitchen or bathroom cold-water tap or a drinking fountain, and, to the best of my knowledge, had stood motionless in the service line and in the interior plumbing of the sampling site for at least six hours. I further certify that each tap sample collected by residents was taken after the water system informed them of proper sampling procedures.

Printed Name of Person in Responsible Charge of Monitoring George Cawis	Signature of Person in Responsible Charge of Monitoring <i>George Cawis</i>	Date 9/26/08
-----------------------------------------------------------------------------------	--------------------------------------------------------------------------------	------------------------

For Ohio EPA use only:	Monitoring period:	Period number: 5	Period type code: BT	Period outcome: X	Next due date:
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FOR SOWS - Neil



LEAD TAP MONITORING REPORT

Submit with Form EPA 5105

Page 1 of 5 pages

PWS Name <u>WARREN CITY OF</u>	PWSID <u>7803811</u>	County <u>TRUMBULL</u>
Date(s) samples were collected <u>6/26/08, 8/13/08, 8/14/08, 8/25/08, 8/26/08, 8/27/08</u>		

- (1) List this monitoring period's samples in order from the lowest lead concentration to the highest lead concentration.
- (2) Number the first column of each line used, starting with the number 1.
- (3) Calculate the 90th percentile line number(s) according to the instructions and circle that number(s) and the lead concentration(s) for that sample(s).

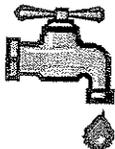
Line Number	Sample Date and Laboratory Sample Number	Address of Sample Site Example: 234 S Main St Town OH 432__	and	Tap Type* and Location	Structure Type SFR MFR or BLDG	Interior Plumbing Material Pb CuPb > 82 CuPb < 83 Cu/Lf or other	Service Line Material Pb Cu or other	Tier 1 2 3 or other	Lead Conc. [Pb] ug/L
1	6-26 11176	3007 BEAL	/	K	SFR	CuPb < 83	Cu	1	< 2.0
2	6-26 11177	715 BELVEDERE SE	/	K		CuPb < 83	Pb	1	
3	8-13 14800	697 OAK KNOLL NE	/	K		CuPb < 83	Pb	1	
4	8-13 14814	2118 EWALT	/	K		CuPb > 82	Cu	1	
5	8-13 14812	4456 Willow Creek	/	K		CuPb > 82	Cu	1	
6	8-13 14809	2272 Stewart	/	K		CuPb > 82	Cu	1	
7	8-13 14808	324 Clifton	/	K		CuPb > 82	Cu	1	
8	6-26 11158	2012 EWALT	/	K		CuPb < 83	Cu	1	
9	8-13 14817	2982 CARLTON	/	K		CuPb > 82	Cu	1	
10	8-13 14807	2665 Schenley	/	K		CuPb > 82	Cu	1	
11	8-13 14806	4459 Willow Creek	/	K		CuPb > 82	Cu	1	
12	8-13 14811	2275 Weir Rd.	/	K		CuPb > 82	Cu	1	
13	8-13 14810	309 Willow	/	K		CuPb > 82	Cu	1	
14	8-14 14818	640 Willard NE	/	K		CuPb < 83	Pb	1	
15	6-26 11159	2144 North River	/	K		CuPb > 82	Cu	1	
16	8-14 14803	2516 Weir	/	K		CuPb > 82	Cu	1	
17	8-13 14815	1085 Eastland SE	/	K		CuPb > 82	Cu	1	
18	6-26 11173	1114 Kenmore	/	K		CuPb < 83	Cu	1	
19	6-26 11172	978 Hollywood	/	K		CuPb < 83	Cu	1	
20	6-26 11174	3995 Longhill	/	K		CuPb < 83	Cu	1	

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NOTICE:

This report is required under Revised Code Sections 6109.04 and 6109.12. Non-compliance may result in civil penalties up to a maximum of \$25,000 per violation under Sections 6109.31 and 6109.33.



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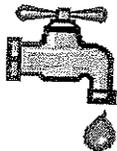
Page 2 of 5 pages

PWS Name <u>WARREN CITY OF</u>	PWSID <u>7803811</u>	County <u>TRUMBULL</u>
Date(s) samples were collected <u>6/26/08 ; 8/13/08 ; 8/14/08 ; 8/25/08 ; 8/26/08 ; 8/27/08</u>		

- List this monitoring period's samples in order from the lowest lead concentration to the highest lead concentration.
- Number the first column of each line used, starting with the number 1.
- Calculate the 90th percentile line number(s) according to the instructions and circle that number(s) and the lead concentration(s) for that sample(s).

Line Number	Sample Date and Laboratory Sample Number	Address of Sample Site Example: 234 S Main St Town OH 432__	and	Tap Type* and Location B 2 nd floor	Structure Type SFR MFR or BLDG	Interior Plumbing Material Pb CuPb > 82 CuPb < 83 CuLF or other	Service Line Material Pb Cu or other	Tier	Lead Conc. [Pb] ug/L
								1 2 3 or other	
21	6-26 11171	324 Kenmore	/	K	SFR	CuPb < 83	Pb	1	< 2.0
22	6-26 11170	1041 McKinley	/	K		CuPb < 83	Pb		
23	6-26 11164	1304 PARKMAN NW	/	K		CuPb < 83	Pb		
24	6-26 11162	1230 PARKMAN	/	K		CuPb < 83	Pb		
25	6-26 11161	1386 Bradford	/	K		CuPb < 83	Cu		
26	6-26 11154	1104 Brunswick	/	K		CuPb < 83	Pb		
27	6-26 11150	1514 Highland	/	K		CuPb < 83	Pb		
28	8-28 15898	329 Willow	/	K		CuPb 782	Cu		
29	8-27 15897	328 Willow	/	K		CuPb 782	Cu		
30	8-27 15896	2246 North Ruez Rd	/	K		CuPb 782	Cu		
31	8-27 15895	430 Willow	/	B		CuPb 782	Cu		
32	8-27 15894	758 Laurelwood	/	K		CuPb 782	Cu		
33	8-27 15893	465 Willow	/	K		CuPb 782	Cu		
34	8-27 15892	349 Willow	/	K		CuPb 782	Cu		
35	8-27 15890	306 Clifton	/	K		CuPb 782	Cu		
36	8-27 15889	4057 Adrian	/	K		CuPb 782	Cu		
37	8-27 15888	3910 Southwood	/	K		CuPb 782	Cu		
38	8-26 15883	2158 North ^{River} Road	/	K		CuPb 782	Cu		
39	8-26 15882	2062 Ewart	/	K		CuPb 782	Cu		
40	8-26 15881	340 Clifton	/	K	✓	CuPb 782	Cu		✓

*Tap type codes: B - bathroom sink cold water tap; D - drinking fountain; K - kitchen sink cold water tap; R - rest room sink cold water tap; O - other tap (with prior Ohio EPA acceptance)



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PWS Name <u>WARREN CITY OF</u>	PWSID <u>7803811</u>	County <u>TRUMBULL</u>
Date(s) samples were collected <u>6/26/08; 8/13/08; 8/14/08; 8/25/08; 8/26/08; 8/27/08</u>		

- List this monitoring period's samples in order from the lowest lead concentration to the highest lead concentration.
- Number the first column of each line used, starting with the number 1.
- Calculate the 90th percentile line number(s) according to the instructions and circle that number(s) and the lead concentration(s) for that sample(s).

Line Number	Sample Date and Laboratory Sample Number	Address of Sample Site Example: 234 S Main St Town OH 432__	Tap Type* and Location	Structure Type SFR MFR or BLDG	Interior Plumbing Material Pb CuPb > 83 CuPb < 83 CuLF or other	Service Line Material Pb Cu or other	Tier 1 2 3 or other	Lead Conc. [Pb] ug/L
41	8-26 15878	4462 Willow Creek	K	SFR	CuPb 782	Cu	1	2.0
42	8-26 15877	4464 Willow Creek	L		CuPb 782	Cu		
43	8-26 15876	4465 Willow Creek	L		CuPb 782	Cu		
44	8-26 15873	832 North Road	L		CuPb 782	Cu		
45	8-26 15875	4466 Willow Creek	L		CuPb 782	Cu		
46	8-25 15870	791 Woodbine SE	L		CuPb < 83	Pb		
47	8-26 15874	4454 Willow Creek	L		CuPb 782	Cu		
48	8-25 15869	1470 North Rd	L		CuPb 782	Cu		
49	8-13 14813	1880 Beechwood	K		CuPb 782	Cu		
50	8-26 15885	1227 McKinley	L		CuPb < 83	Pb		2.2
51	8-13 14794	820 Woodbine SE	L		CuPb < 83	Pb		2.4
52	8-13 14801	393 Woodbine	L		CuPb < 83	Pb		2.8
53	6-26 11153	756 Kenmore SE	L		CuPb < 83	Pb		3.2
54	8-27 15891	288 Willow	L		CuPb 782	Cu		3.3
55	8-13 14804	1649 Sunset Drive	L		CuPb < 83	Pb		3.4
56	8-13 14816	524 Bonnie Brae	L		CuPb 782	Cu		3.6
57	8-13 14793	644 MeAdamsbrook SE	L		CuPb < 83	Pb		3.7
58	8-13 14798	174 Hazelwood	L		CuPb < 83	Pb		3.8
59	8-25 15872	306 Trumbull	L		CuPb < 83	Pb		4.2
60	6-26 11155	553 Scott	L	V	CuPb < 83	Pb		4.3

*Tap type codes: B - bathroom sink cold water tap; D - drinking fountain; K - kitchen sink cold water tap; R - rest room sink cold water tap; O - other tap (with prior Ohio EPA acceptance)

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PWS Name <u>WILLOW CITY OF</u>	PWSID <u>7803811</u>	County <u>TRUMBULL</u>
Date(s) samples were collected <u>6/26/08; 8/13/08; 8/14/08; 8/25/08; 8/26/08; 8/27/08</u>		

- List this monitoring period's samples in order from the lowest lead concentration to the highest lead concentration.
- Number the first column of each line used, starting with the number 1.
- Calculate the 90th percentile line number(s) according to the instructions and circle that number(s) and the lead concentration(s) for that sample(s).

Line Number	Sample Date and Laboratory Sample Number	Address of Sample Site and Laboratory Sample Number	Tap Type* and Location	Structure Type	Interior Plumbing Material	Service Line Material	Tier	Lead Conc. [Pb] ug/L
61	11160	1396 Bradford /	K	SFR	CuPb < 83	Pb		4.4
62	6-26 11179	311 Comstock NW /	K		CuPb < 83	Pb		5.2
63	8-25 15871	668 Woodbine /	K		CuPb > 82	Cu		5.2
64	6-26 11167	1474 Hollywood NE /	K		CuPb < 83	Pb		5.2
65	8-26 15884	1049 McKinley /	K		CuPb < 83	Pb		5.3
66	6-26 11157	880 OAK KNOLL /	K		CuPb < 83	Pb		5.9
67	6-26 11178	334 Kenmore /	K		CuPb < 83	Pb		6.9
68	8-14 14819	641 Willard NE /	K		CuPb < 83	Pb		7.2
69	6-26 11152	157 OAK KNOLL /	K		CuPb < 83	Pb		7.2
70	8-13 14796	1214 South St NE /	K		CuPb < 83	Pb		7.5
71	8-13 14797	826 DANA ST NE /	K		CuPb < 83	Pb		7.9
72	8-13 14799	836 Central Parkway /	K		CuPb < 83	Pb		8.3
73	8-26 15879	1220 GRANT /	K		CuPb > 82	Cu		8.5
74	6-26 11175	1618 North Park /	KL		CuPb < 83	Pb		9.7
75	8-13 14805	1717 Bonnie Brae NE /	KL		CuPb < 83	Pb		9.9
76	8-13 14802	352 Bonnie Brae /	K		CuPb < 83	Pb		12
77	6-26 11166	1434 Hollywood /	KL		CuPb < 83	Pb		14
78	8-13 14795	1374 Bradford /	KL		CuPb < 83	Pb		14
79	8-27 15887	1216 McKinley /	K		CuPb < 83	Pb		16
80	8-26 15880	266 GRANT /	KL	✓	CuPb < 83	Pb		17

*Tap type codes: B - bathroom sink cold water tap; D - drinking fountain; K - kitchen sink cold water tap; R - rest room sink cold water tap; O - other tap (with prior Ohio EPA acceptance)

NOTICE: This report is required under Revised Code Sections 6109.04 and 6109.12. Non-compliance may result in civil penalties up to a maximum of \$25,000 per violation under Sections 6109.31 and 6109.33.



COPPER TAP MONITORING REPORT

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PWS Name WARREN CITY OF	PWSID 7803811	County TRUMBULL
Date(s) samples were collected 6/26/08; 8/13/08; 8/14/08; 8/25/08; 8/26/08; 8/27/08		

- List this monitoring period's samples in order from the lowest copper concentration to the highest copper concentration.
- Number the first column of each line used, starting with the number 1.
- Calculate the 90th percentile line number(s) according to the instructions and circle that number(s) and the copper concentration(s) for that sample(s).

Line Number	Sample Date and Laboratory Sample Number	Address of Sample Site and Location	Tap Type* and Location	Structure Type	Interior Plumbing Material	Service Line Material	Tier	Copper Conc. [Pb] ug/L
1	8-26 15886	618 Willard	K	SFR	CuPb < 83	Pb		< 10
2	6-26 11169	814 Perkinswood	K		CuPb < 83	Pb		
3	6-26 11151	948 MARYLAND	K		CuPb < 83	Pb		
4	6-26 11156	1137 Bingham	K		CuPb < 83	Pb		
5	8-13 14791	310 KENMORE	K		CuPb < 83	Pb		
6	8-26 15880	1266 GRANT	K		CuPb < 83	Pb		
7	8-27 15887	1216 MCANLEY	K		CuPb < 83	Pb		
8	8-13 14802	352 Bonnie Brae	K		CuPb < 83	Pb		
9	8-26 15879	1220 GRANT	K		CuPb > 82	Cu		
10	8-13 14799	836 Central Parkway	K		CuPb < 83	Pb		
11	8-13 14796	1214 South St. NE	K		CuPb < 83	Pb		
12	6-26 11157	880 Oak Knoll	K		CuPb < 83	Pb		
13	8-26 15884	1049 McKinley	K		CuPb < 83	Pb		
14	8-25 15871	668 Woodbine	K		CuPb > 82	Cu		
15	6-26 11167	1474 Hollywood NE	K		CuPb < 83	Pb		
16	6-26 11179	311 Comstock NW	K		CuPb < 83	Pb		
17	8-25 15872	306 Trumbull	K		CuPb < 83	Pb		
18	8-13 14798	174 Hazelwood	K		CuPb < 83	Pb		
19	8-13 14793	644 Meadowbrook SE	K		CuPb < 83	Pb		
20	8-27 15891	288 Willow	K	✓	CuPb > 82	Cu		✓

*Tap type codes: B - bathroom sink cold water tap; D - drinking fountain; K - kitchen sink cold water tap; R - rest room sink cold water tap; O - other tap (with prior Ohio EPA acceptance)

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OCT 14 2008

NOTICE: This report is required under Revised Code Sections 6109.04 and 6109.12. Non-compliance may result in civil penalties up to a maximum of \$25,000 per violation under Sections 6109.31 and 6109.33.



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PWS Name <u>WARREN, CITY OF</u>	PWSID <u>7803811</u>	County <u>TRUMBULL</u>
Date(s) samples were collected <u>6/26/08; 8/13/08; 8/14/08; 8/25/08; 8/26/08; 8/27/08</u>		

- List this monitoring period's samples in order from the lowest copper concentration to the highest copper concentration.
- Number the first column of each line used, starting with the number 1.
- Calculate the 90th percentile line number(s) according to the instructions and circle that number(s) and the copper concentration(s) for that sample(s).

Line Number	Sample Date and Laboratory Sample Number	Address of Sample Site Example: 234 S Main St Town OH 432__	Tap Type* and Location	Structure Type SFR MFR or BLDG	Interior Plumbing Material Pb CuPb > 83 CuPb < 83 CuLF or other	Service Line Material Pb Cu or other	Tier			Copper Conc. [Pb] ug/L
							1	2	3 or other	
21	6-26 11153	756 Kenmore SE	K	SFR	CuPb < 83	Pb				<10
22	8-26 15825	1227 McKinley	K		CuPb < 83	Pb				
23	8-13 14794	820 Woodbine SE	K		CuPb < 83	Pb				
24	8-13 14813	1880 Beechwood	K		CuPb < 83	Pb				
25	8-25 15870	791 Woodbine SE	K		CuPb > 82	Cu				
26	8-26 15875	4466 Willow Creek	K		CuPb < 83	Pb				
27	8-26 15873	832 North Road	K		CuPb > 82	Cu				
28	8-26 15876	4465 Willow Creek	K		CuPb > 82	Cu				
29	8-26 15881	340 Clifton	K		CuPb > 82	Cu				
30	8-27 15890	306 Clifton	K		CuPb > 82	Cu				
31	8-27 15889	4057 Adrian	K		CuPb > 82	Cu				
32	8-27 15888	3910 Southwood	K		CuPb > 82	Cu				
33	8-27 15894	758 Laurelwood	K		CuPb > 82	Cu				
34	8-27 15893	465 Willow	K		CuPb > 82	Cu				
35	8-14 14803	2516 Weir	K		CuPb > 82	Cu				
36	8-13 14815	1085 Eastland SE	K		CuPb > 82	Cu				
37	6-26 11173	1114 Kenmore	K		CuPb < 83	Cu				
38	6-26 11172	978 Hollywood	K		CuPb < 83	Cu				
39	6-26 11174	3995 Longhill	K		CuPb < 83	Cu				
40	6-26 11171	324 Kenmore	K	V	CuPb < 83	Pb				V

*Tap type codes: B - bathroom sink cold water tap; D - drinking fountain; K - kitchen sink cold water tap; R - rest room sink cold water tap; O - other tap (with prior Ohio EPA acceptance)

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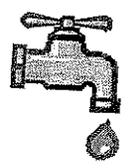
PWS Name <u>WARREN CITY OF</u>	PWSID <u>7803811</u>	County <u>TRUMBULL</u>
Date(s) samples were collected <u>6/26/08; 8/13/08; 8/14/08; 8/25/08; 8/26/08; 8/27/08</u>		

- List this monitoring period's samples in order from the lowest copper concentration to the highest copper concentration.
- Number the first column of each line used, starting with the number 1.
- Calculate the 90th percentile line number(s) according to the instructions and circle that number(s) and the copper concentration(s) for that sample(s).

Line Number	Sample Date and Laboratory Sample Number	Address of Sample Site Example: 234 S Main St Town OH 432	Tap Type* and Location	Structure Type SFR MFR or BLDG	Interior Plumbing Material Pb CuPb > 83 CuPb < 83 CuLF or other	Service Line Material Pb Cu or other	Tier			Copper Conc. [Pb] ug/L
							1	2	3 or other	
41	6-26 11170	1041 McKinley	K	SFR	CuPb < 83	Pb				< 10
42	6-26 11164	1304 Parkman	K		CuPb < 83	Pb				
43	6-26 11162	1230 Parkman	K		CuPb < 83	Pb				
44	6-26 11161	1386 Bradford	K		CuPb < 83	Cu				
45	6-26 11154	1104 Brunswick	K		CuPb < 83	Pb				
46	6-26 11150	1514 Highland	K		CuPb < 83	Pb				
47	8-28 15898	329 Willow	K		CuPb < 83	Pb				
48	8-27 15897	328 Willow	K		CuPb 782	Cu				
49	8-27 15896	2246 North River Rd.	K		CuPb 782	Cu				
50	6-26 11170	334 Kenmore	K		CuPb < 83	Pb				↓
51	8-27 15895	430 Willow	B		CuPb 782	Cu				10
52	6-26 11159	2144 North River	K		CuPb 782	Cu				10
53	8-13 14797	826 Dana St. NE	K		CuPb < 83	Pb				10
54	8-13 14795	1374 Bradford	K		CuPb < 83	Pb				11
55	8-14 14818	640 Willard NE	K		CuPb < 83	Pb				11
56	8-13 14810	309 Willow	K		CuPb < 83	Pb				11
57	8-14 14820	2823 Woodland	K		CuPb 782	Cu				11
58	8-13 14804	1649 Sunset Dr	K		CuPb < 83	Pb				11
59	8-25 15269	1470 North Rd	K		CuPb < 83	Pb				11
60	8-26 15883	2158 North River Rd	K	↓	CuPb 782	Cu				12

*Tap type codes: B - bathroom sink cold water tap; D - drinking fountain; K - kitchen sink cold water tap; R - rest room sink cold water tap; O - other tap (with prior Ohio EPA acceptance)

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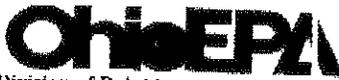
PWS Name WARREN, CITY OF	PWSID 7803811	County TRUMBULL
Date(s) samples were collected 6/26/08; 8/13/08; 8/14/08; 8/25/08; 8/26/08; 8/27/08		

- (1) List this monitoring period's samples in order from the lowest copper concentration to the highest copper concentration.
- (2) Number the first column of each line used, starting with the number 1.
- (3) Calculate the 90th percentile line number(s) according to the instructions and circle that number(s) and the copper concentration(s) for that sample(s).

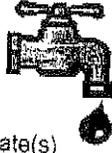
Line Number	Sample Date and Laboratory Sample Number	Address of Sample Site and Example: 234 S Main St Town OH 432	Tap Type* and Location	Structure Type SFR MFR or BLDG	Interior Plumbing Material Pb CuPb > 82 CuPb < 83 CuLF or other	Service Line Material Pb Cu or other	Tier 1 2 3 or other	Copper
								Concn. [Pb] ug/L
61	8-13 14811	2275 Weir Rd.	K	SFR	CuPb > 82	Cu		12
62	6-26 1152	157 Oak Knoll	K		CuPb < 83	Pb		13
63	8-13 14792	1797 Bonnie Brae	K		CuPb > 82	Cu		13
64	8-26 15877	4464 Willow Creek	K		CuPb > 82	Cu		13
65	8-13 14806	4459 Willow Creek	K		CuPb > 82	Cu		13
66	8-13 14807	2665 Schenley	K		CuPb > 82	Cu		13
67	8-13 14817	2982 CARLTON	K		CuPb > 82	Cu		13
68	6-26 11165	1815 Edgewood	K		CuPb > 82	Cu		13
69	8-26 15882	2062 EWALT	K		CuPb < 83	Pb		14
70	6-26 11166	1434 Hollywood NE	K		CuPb > 82	Cu		14
71	8-13 14805	1717 Bonnie Brae NE	K		CuPb < 83	Pb		15
72	8-14 14819	641 Willard NE	K		CuPb < 83	Pb		15
73	6-26 11158	2012 EWALT	K		CuPb < 83	Pb		15
74	8-13 14808	324 Clifton	K		CuPb < 83	Cu		16
75	8-13 14809	2272 STEWART	K		CuPb > 82	Cu		16
76	8-13 14812	4456 Willow Creek	K		CuPb > 82	Cu		16
77	8-13 14814	2118 EWALT	K		CuPb > 82	Cu		17
78	6-26 11163	1240 PARKMAN	K		CuPb > 82	Cu		18
79	8-13 14800	697 Oak Knoll NE	K		CuPb < 83	Pb		22
80	8-13 14801	393 Woodbine	K	✓	CuPb < 83	Pb		24

*Tap type codes: B - bathroom sink cold water tap; D - drinking fountain; K - kitchen sink cold water tap; R - rest room sink cold water tap; O - other tap (with prior Ohio EPA acceptance)

NOTICE: This report is required under Revised Code Sections 6109.04 and 6109.12. Non-compliance may result in civil penalties up to a maximum of \$25,000 per violation under Sections 6109.31 and 6109.33.



Division of Drinking and Ground Waters



DRINKING WATER LEAD AND COPPER MONITORING REPORT

Water System Identification and Sampling Date(s)

PWS Name: <u>Warren, City of</u>	PWSID: <u>OH7803811</u>	County: <u>TRUMBULL</u>
Street or Box: <u>2710 State Route 5</u>	Phone: <u>330-841-2578</u>	Population: <u>250,000</u>
City: <u>CORTLAND</u> Zip Code: <u>44410</u>	DATE(S) SAMPLES COLLECTED: <u>10/19, 10/20, 10/21, 11/6, 11-8, 11-9, 11-10, 11-12</u>	

Return completed report to your district office no later than 10 days after the end of the sampling period. Keep a copy in your records for at least 12 years.

Analytical Laboratory Identification

Laboratory Name	Inorganic Certification No.
<u>ALLOWAY</u>	<u>4053</u>

NOTICE: This report is required under Revised Code Sections 6109.04 and 6109.12. Non-compliance may result in civil penalties up to a maximum of \$25,000 per violation under Sections 6109.31 and 6109.33.

Lead and Copper Tap Monitoring (First-Draw Samples)

a. Number of sampling sites required: 60 Number of samples analyzed: 60 If the number of samples analyzed is less than the standard number of sampling sites required for your water system, why?

b. Were all sampling sites tier 1 sites? Yes No If no, why?

c. Were 50% of your lead samples from sites with Lead Service Lines? Yes No If no, why?

d. Have any of your sampling sites changed since the last monitoring period? Yes No If yes, why?
VACANT - 3 REFUSED TO PARTICIPATE - 2

e. 90th% Lead Level: 99 $\mu\text{g/L}$ 90th% Copper Level: 34 $\mu\text{g/L}$

Lead and Copper Tap Monitoring Results must be shown by attaching Ohio EPA forms 5106 and 5107.

When the 90th% Lead Level is 15.5 $\mu\text{g/L}$ or higher or when the 90th% Copper Level is 1350 $\mu\text{g/L}$ or higher, additional testing is usually required. If either of these results occurred, contact your Ohio EPA district office as soon as possible for more information.

Required Certification

I certify that each first-draw lead and copper sample collected for our water system was one liter in volume, was taken from a kitchen or bathroom cold-water tap or a drinking fountain, and, to the best of my knowledge, had stood motionless in the service line and in the interior plumbing of the sampling site for at least six hours. I further certify that each tap sample collected by residents was taken after the water system informed them of proper sampling procedures.

Printed Name of Person in Responsible Charge of Monitoring <u>GEORGE GINNIS</u>	Signature of Person in Responsible Charge of Monitoring	Date
------------------------------------------------------------------------------------	---------------------------------------------------------	------

For Ohio EPA use only:	Monitoring period:	Period number:	Period type code:	Period outcome:	Next due date: <u>11-Dec-11</u>
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EPA 5105 (Rev. 5/97)

WRT to be determined Jan-Jun 11

CH



LEAD TAP MONITORING REPORT

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Page 1 of 3 pages

PWS Name WARREN, CITY OF	PWSID 7803811	County TRUMBULL
Date(s) samples were collected 10-16, 10-19, 10-20, 10-21, 11-8, 11-9, 11-10, 11-12		

- List this monitoring period's samples in order from the lowest lead concentration to the highest lead concentration.
- Number the first column of each line used, starting with the number 1.
- Calculate the 90th percentile line number(s) according to the instructions and circle that number(s) and the lead concentration(s) for that sample(s).

Line Number	Sample Date and Laboratory Sample Number	Address of Sample Site and Example: 234 S Main St Town OH 432__	Tap Type* and Location B 2 nd floor	Structure Type SFR MFR or BLDG	Interior Plumbing Material Pb CuPb > 82 CuPb < 83 CuLF or other	Service Line Material Pb Cu or other	Tier 1 2 3 or other	Lead Conc. [Pb] µg/L
1	11-8 109169-24	1040 WOODLAND	K	SFR	CuPb > 82	Pb	1	220
2	10-21 108608-31	3995 LONGHILL	K		CuPb < 83	Cu		
3	10-21 108608-29	3001 BEAL	K		CuPb < 83	Cu		
4	10-21 108608-28	2272 STEWART	K		CuPb > 82	Cu		
5	10-21 108608-27	2144 N. RIVER RD	K		CuPb > 82	Cu		
6	10-21 108608-26	306 CLIFTON	K		CuPb > 82	Cu		
7	10-21 108608-25	328 WILLOW	K		CuPb > 82	Cu		
8	10-21 108608-24	309 WILLOW	K		CuPb > 82	Cu		
9	10-21 108608-23	430 WILLOW	K		CuPb > 82	Cu		
10	10-20 108608-22	2982 CARLTON	K		CuPb > 82	Cu		
11	10-20 108608-16	791 WOODBINE	K		CuPb < 83	Pb		
12	10-19 108608-09	1085 EASTLAND	K		CuPb > 82	Cu		
13	10-20 108608-12	697 DAKKON	K		CuPb < 83	Pb		
14	10-16 108608-02	1396 BRADFORD	K		CuPb < 83	Pb		
15	10-19 108608-11	2118 EWALT	K		CuPb > 82	Cu		
16	10-21 108608-32	1104 BRUNSWICK	K		CuPb < 83	Pb		
17	11-9 109169-28	1470 NORTH RD	K		CuPb > 82	Cu		
18	11-9 109169-26	1514 HIGHLAND	K		CuPb < 83	Pb		
19	11-8 109169-25	349 WILLOW	K		CuPb > 82	Cu		
20	11-8 109169-23	329 WILLOW	K	✓	CuPb > 82	Cu	✓	✓

*Tap type codes: B - bathroom sink cold water tap; D - drinking fountain; K - kitchen sink cold water tap; R - rest room sink cold water tap; O - other tap (with prior Ohio EPA acceptance)

NOTICE:

This report is required under Revised Code Sections 6109.04 and 6109.12. Non-compliance may result in civil penalties up to a maximum of \$25,000 per violation under Sections 6109.31 and 6109.33.



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Page 2 of 3 pages

PWS Name WARREN, CITY OF	PWSID 7003811	County TRUMBULL
Date(s) samples were collected 10-16, 10-19, 10-20, 11-21, 11-6, 11-8, 11-9, 11-10, 11-12		

- List this monitoring period's samples in order from the lowest lead concentration to the highest lead concentration.
- Number the first column of each line used, starting with the number 1.
- Calculate the 90th percentile line number(s) according to the instructions and circle that number(s) and the lead concentration(s) for that sample(s).

Line Number	Sample Date and Laboratory Sample Number	Address of Sample Site and Example: 234 S Main St / Town OH 432	Tap Type* and Location B 2 nd floor	Structure Type SFR, MFR, or BLDG	Interior Plumbing Material Pb, CuPb > 82, CuPb < 83, CULF or other	Service Line Material Pb, Cu, or other	Tier 1, 2, 3, or other	Lead Conc. [Pb] µg/L
21	11-10 109169-21	670 PERKINSWOOD		SFR	CuPb < 83	Pb	1	< 2.0
22	11-10 109169-20	446? WILLOW CREEK			CuPb 782	Cu		
23	11-10 109169-18	1114 KENMORE			CuPb < 83	Cu		
24	11-10 109169-17	2012 EWALT			CuPb < 83	Cu		
25	11-8 109169-16	446? WILLOW CREEK			CuPb 782	Cu		
26	11-8 109169-15	446? WILLOW CREEK			CuPb 782	Cu		
27	11-8 109169-12	237 OAKKNOLL			CuPb < 83	Pb		
28	11-8 109169-10	206? EWALT			CuPb 782	Cu		
29	11-8 109169-09	227? WEIR			CuPb 782	Cu		
30	11-8 109169-08	266? SCHENLEY			CuPb 782	Cu		
31	11-8 109169-07	324 CLIFTON			CuPb 782	Cu		
32	11-6 109169-05	203? NORTH PARK			CuPb < 83	Pb		
33	11-6 109169-02	1304 PARKMAN			CuPb < 83	Pb		
34	11-6 109169-01	715 BELVEDERE SE.			CuPb < 83	Pb		✓
35	10-20 108608-14	1649 SUNSET			CuPb < 83	Pb		2.0
36	11-9 109169-30	107? KENMORE			CuPb < 83	Pb		2.1
37	10-20 108608-15	820 WOODBINE			CuPb < 83	Pb		2.1
38	10-19 108608-04	39? WOODBINE			CuPb < 83	Pb		2.3
39	10-20 108608-21	1230 PARKMAN			CuPb < 83	Pb		2.8
40	10-19 108608-06	104? MEKINLEY		✓	CuPb < 83	Pb	✓	2.9

*Tap type codes: B - bathroom sink cold water tap; D - drinking fountain; K - kitchen sink cold water tap; R - rest room sink cold water tap; O - other tap (with prior Ohio EPA acceptance)



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Page 3 of 3 pages

FWS Name WARREN, CITY OF	FWSID 7803811	County TRUMBULL
Date(s) samples were collected 10-10, 10-19, 10-20, 10-21, 11-6, 11-8, 11-9, 11-10, 11-12		

- List this monitoring period's samples in order from the lowest lead concentration to the highest lead concentration.
- Number the first column of each line used, starting with the number 1.
- Calculate the 90th percentile line number(s) according to the instructions and circle that number(s) and the lead concentration(s) for that sample(s).

Line Number	Sample Date and Laboratory Sample Number	Address of Sample Site and Example: 234 S Main St Town OH 432	Tap Type* and Location B 2 nd floor	Structure Type SFR MFR or BLDG	Interior Plumbing Material Pb CuPb > 82 CuPb < 83 CuLF or other	Service Line Material Pb Cu or other	Tier 1 2 3 or other	Lead Conc. [Pb] µg/l.
41	11-8 109169-11	553 SCOTT		SFR	CuPb < 83	Pb	1	3.1
42	10-19 108608-08	1227 MCKINLEY			CuPb < 83	Pb		3.2
43	10-19 108608-10	644 MEADOWBROOK			CuPb < 83	Pb		3.5
44	10-20 108608-20	756 KENMORE			CuPb < 83	Pb		4.0
45	10-10 108608-01	1326 BRADFORD			CuPb < 83	CU		4.4
46	10-20 108608-19	352 BONNIE BRAE			CuPb < 83	Pb		4.8
47	10-19 108608-07	64 WILLARD N.E.			CuPb < 83	Pb		5.1
48	11-9 109169-27	311 COMSTOCK			CuPb < 83	Pb		5.2
49	10-20 108608-17	1414 HOLLYWOOD			CuPb < 83	Pb		6.0
50	10-19 109169-06	1618 NORTH PARK			CuPb < 83	Pb		6.6
51	10-10 108608-03	1314 BRADFORD			CuPb < 83	Pb		7.1
52	10-20 108608-18	121 + SOUTH ST.			CuPb < 83	Pb		9.0
53	11-8 109169-13	814 PERKINSWOOD			CuPb < 83	Pb		9.5
54	11-8 109169-14	1712 BONNIE BRAE			CuPb < 83	Pb		9.9
55	11-6 109169-03	1018 WILLARD			CuPb < 83	Pb		10
56	10-20 108608-13	816 DANA			CuPb < 83	Pb		10
57	11-10 109169-19	4657 ADRIAN			CuPb < 82	CU		17
58	10-19 108608-05	1216 MCKINLEY			CuPb < 83	Pb		18
59	11-9 109169-29	667 PERKINSWOOD			CuPb < 83	Pb		19
60	11-9 109169-04	1240 PARKMAN			CuPb < 83	Pb		37

*Tap type codes: B - bathroom sink cold water tap; D - drinking fountain; K - kitchen sink cold water tap; R - rest room sink cold water tap; O - other tap (with prior Ohio EPA acceptance)

NOTICE: This report is required under Revised Code Sections 6109.04 and 6109.12. Non-compliance may result in civil penalties up to a maximum of \$25,000 per violation under Sections 6109.31 and 6109.33.



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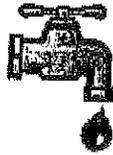
Page 1 of 3 pages

PWS Name WARREN CITY OF	PWSID 7803011	County TRUMBULL
Date(s) samples were collected 10-16, 10-19, 10-20, 10-21, 11-6, 11-8, 11-9, 11-10, 11-12		

- List this monitoring period's samples in order from the lowest copper concentration to the highest copper concentration.
- Number the first column of each line used, starting with the number 1.
- Calculate the 90th percentile line number(s) according to the instructions and circle that number(s) and the copper concentration(s) for that sample(s).

Line Number	Sample Date and Laboratory Sample Number	Address of Sample Site and Example: 234 S Main St Town OH 432__	Tap Type* and Location B 2 nd floor	Structure Type SFR MFR or BLDG	Interior Plumbing Material Pb CuPb > 83 CuPb < 83 CuLF or other	Service Line Material Pb Cu or other	Tier 1 2 3 or other	Copper Concn. [Pb] µg/L
1	11-8 109169-24	1040 WOODLAND	K	SFR	CuPb 782	Pb	1	4-10
2	10-21 108608-31	3995 LONG HILL	K		CuPb 483	Cu		
3	10-21 108608-29	3007 BEAL	K		CuPb 483	Cu		
4	10-21 108608-28	2272 STEWART	K		CuPb 782	Cu		
5	10-21 108608-27	2144 N. RIVER RD	K		CuPb 782	Cu		
6	10-21 108608-26	3061 CLIFTON	K		CuPb 782	Cu		
7	10-21 108608-25	3283 WILLOW	K		CuPb 782	Cu		
8	10-21 108608-24	309 WILLOW	K		CuPb 782	Cu		
9	10-21 108608-23	430 WILLOW	K		CuPb 782	Cu		
10	10-21 108608-22	2982 CARLTON	K		CuPb 782	Cu		
11	10-20 108608-16	791 WOODBINE	K		CuPb 483	Pb		
12	10-19 108608-09	1085 EASTLAND	K		CuPb 782	Cu		
13	109169-26 11-9	1514 HIGHLAND	K		CuPb 483	Pb		
14	11-8 109169-23	329 WILLOW	K		CuPb 782	Cu		
15	109169-21	670 PERKINSWOOD	K		CuPb 483	Pb		
16	11-10 109169-17	2012 EWALT	K		CuPb 483	Cu		
17	11-8 109169-16	4465 WILLOW CREEK	K		CuPb 782	Cu		
18	11-8 109169-12	237 OAK KNOLL	K		CuPb 483	Pb		
19	109169-09	2275 WEIR	K		CuPb 782	Cu		
20	109169-08	2665 SCHENLEY	K	✓	CuPb 742	Cu	✓	✓

*Tap type codes: B - bathroom sink cold water tap; D - drinking fountain; K - kitchen sink cold water tap; R - rest room sink cold water tap; O - other tap (with prior Ohio EPA acceptance)



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Page 2 of 3 pages

PWS Name <u>WARREN CITY OF</u>	PWSID <u>7803811</u>	County <u>TRUMBULL</u>
Date(s) samples were collected <u>10-16, 10-19, 10-20, 10-21, 11-6, 11-8, 11-9, 11-10, 11-12</u>		

- List this monitoring period's samples in order from the lowest copper concentration to the highest copper concentration.
- Number the first column of each line used, starting with the number 1.
- Calculate the 90th percentile line number(s) according to the instructions and circle that number(s) and the copper concentration(s) for that sample(s).

Line Number	Sample Date and Laboratory Sample Number	Address of Sample Site and Example: 234 S Main St Town OH 432__	Tap Type* and Location B 2 nd floor	Structure Type SFR MFR or BLDG	Interior Plumbing Material Pb CuPb > 82 CuPb < 83 CuLF or other	Service Line Material Pb Cu or other	Tier 1 2 3 or other	Copper Conc. [Pb] µg/L
21	11-8 109169-07	324 CLIFTON	K	SFR	CuPb > 82	Cu	1	< 10
22	11-6 109169-05	2037 NORTH PARK	K		CuPb < 83	Pb		
23	11-6 109169-02	1302 PARKMAN	K		CuPb < 83	Pb		
24	11-6 109169-01	715 BELVEDERE	K		CuPb < 83	Pb		
25	11-8-20 109169-14	1647 SUNSET	K		CuPb < 83	Pb		
26	11-9 109169-30	1053 KENMORE	K		CuPb < 83	Pb		
27	10-20 109169-15	820 WOODBINE	K		CuPb < 83	Pb		
28	10-20 109169-21	1230 PARKMAN	K		CuPb < 83	Pb		
29	10-19 109169-06	1049 MCKINLEY	K		CuPb < 83	Pb		
30	11-8 109169-11	553 SCOTT	K		CuPb < 83	Pb		
31	10-19 109169-08	1227 MCKINLEY	K		CuPb < 83	Pb		
32	10-20 109169-20	7510 KENMORE	K		CuPb < 83	Pb		
33	10-16 109169-01	13810 BRADFORD	K		CuPb < 83	Cu		
34	10-20 109169-19	352 BONNIE BRAE	K		CuPb < 83	Pb		
35	11-19 109169-07	64 WILLARD NE.	K		CuPb < 83	Pb		
36	11-9 109169-29	311 COMSTOCK	K		CuPb < 83	Pb		
37	11-8-20 109169-17	1414 HOLLYWOOD	K		CuPb < 83	Pb		
38	10-16 109169-03	1314 BRADFORD	K		CuPb < 83	Pb		
39	11-8-20 109169-18	1214 SOUTH ST	K		CuPb < 83	Pb		
40	11-8 109169-13	814 PERKINSWOOD	K	✓	CuPb < 83	Pb	✓	✓

*Tap type codes: B - bathroom sink cold water tap; D - drinking fountain; K - kitchen sink cold water tap; R - rest room sink cold water tap; O - other tap (with prior Ohio EPA acceptance)

NOTICE:

This report is required under Revised Code Sections 6109.04 and 6109.12. Non-compliance may result in civil penalties up to a maximum of \$25,000 per violation under Sections 6109.31 and 6109.33.



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Page 3 of 3 pages

PWS Name <u>WARREN, CITY OF</u>	PWSID <u>7803811</u>	County <u>TRUMBULL</u>
Date(s) samples were collected <u>10-16, 10-19, 10-20, 10-21, 11-6, 11-8, 11-9, 11-10, 11-12</u>		

- List this monitoring period's samples in order from the lowest copper concentration to the highest copper concentration.
- Number the first column of each line used, starting with the number 1.
- Calculate the 90th percentile line number(s) according to the instructions and circle that number(s) and the copper concentration(s) for that sample(s).

Line Number	Sample Date and Laboratory Sample Number	Address of Sample Site and Example: 234 S Main St Town OH 432__	Tap Type ^a and Location B 2 nd floor	Structure Type SFR MFR or BLDG	Interior Plumbing Material Pb CuPb > 82 CuPb < 83 CuLF or other	Service Line Material Pb Cu or other	Tier 1 2 3 or other	Copper Conc. [Pb] µg/L
41	11-8 109169-14	1717 DONNIE PRAE	K	SFR	CuPb 43	Pb	1	<10
42	10-16 109169-03	618 WILLARD NE	K		CuPb 43	Pb		
43	10-20 109169-13	826 DANA	K		CuPb 43	Pb		
44	10-19 109169-05	12112 MCKINLEY	K		CuPb 43	Pb		
45	11-8 109169-04	1240 PARKMAN	K		CuPb 43	Pb		✓
46	10-20 109169-12	6917 DAK KNOLL	K		CuPb 43	Pb		11
47	11-8 109169-10	2062 EWALT	K		CuPb 782	Cu		14
48	11-8 109169-15	446 WILLOW CREEK	K		CuPb 782	Cu		17
49	10-19 109169-29	667 PERKINSWOOD	K		CuPb 43	Pb		17
50	10-16 109169-19	4057 ADRIAN	K		CuPb 782	Cu		18
51	10-16 109169-02	1390 BRADFORD	K		CuPb 43	Pb		18
52	10-19 109169-10	644 MEADOW BROOK	K		CuPb 43	Pb		21
53	10-19 109169-11	2113 EWALT	K		CuPb 782	Cu		21
54	10-19 109169-04	393 WOODBINE	K		CuPb 43	Pb		34
55	10-21 109169-32	1104 BRUNSWICK	K		CuPb 43	Pb		41
56	11-8 109169-25	349 WILLOW	K		CuPb 782	Cu		43
57	11-10 109169-20	4412 WILLOW CREEK	K		CuPb 782	Cu		46
58	11-9 109169-28	1472 NORTH RD	K		CuPb 782	Cu		48
59	11-10 109169-18	1112 KENMORE	K		CuPb 43	Cu		49
60	11-6 109169-06	1613 NORTH PARK	K	✓	CuPb 43	Pb	✓	99

^aTap type codes: B - bathroom sink cold water tap; D - drinking fountain; K - kitchen sink cold water tap; R - rest room sink cold water tap; O - other tap (with prior Ohio EPA acceptance)

NOTICE

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Water System Identification and Sampling Date(s)

PWS Name Warren, City of		PWSID 7803811	County TRUMBULL
Street or Box 2710 State Route 5		Phone 330-841-2578	Population <50,000
City Cortland	Zip Code 44410	DATE(S) SAMPLES COLLECTED 10/27/2009 - 10/29/2009	

Return completed report to your district office no later than 10 days after the end of the sampling period. Keep a copy in your records for at least 12 years.

Analytical Laboratory Identification

Laboratory Name	Inorganic Certification No.
Alloway	4053

NOTICE: This report is required under Revised Code Sections 6109.04 and 6109.12. Non-compliance may result in civil penalties up to a maximum of \$25,000 per violation under Sections 6109.31 and 6109.33.

Lead and Copper Tap Monitoring (First-Draw Samples)

a. Number of sampling sites required: **30** Number of samples analyzed: **30** If the number of samples analyzed is less than the standard number of sampling sites required for your water system, why?

b. Were all sampling sites tier 1 sites? Yes No If no, why?

c. Were 50% of your lead samples from sites with Lead Service Lines? Yes No If no, why?

d. Have any of your sampling sites changed since the last monitoring period? Yes No If yes, why?

e. 90th% Lead Level: **14** ug/L 90th% Copper Level: **38** ug/L

Lead and Copper Tap Monitoring Results must be shown by attaching Ohio EPA forms 5106 and 5107.

When the 90th% Lead Level is 15.5 ug/L or higher or when the 90th% Copper Level is 1350 ug/L or higher, additional testing is usually required. If either of these results occurred, contact your Ohio EPA district office as soon as possible for more information.

Required Certification

I certify that each first-draw lead and copper sample collected for our water system was one liter in volume, was taken from a kitchen or bathroom cold-water tap or a drinking fountain, and, to the best of my knowledge, had stood motionless in the service line and in the interior plumbing of the sampling site for at least six hours. I further certify that each tap sample collected by residents was taken after the water system informed them of proper sampling procedures.

Printed Name of Person in Responsible Charge of Monitoring George Gunnis	Signature of Person in Responsible Charge of Monitoring <i>George Gunnis</i>	Date 12/3/09
------------------------------------------------------------------------------------	---------------------------------------------------------------------------------	------------------------

For Ohio EPA use only:	Monitoring period:	Period number:	Period type code:	Period outcome:	Next due date: 7-10-10
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GM 2-09

*11-Dec 09
GM 1*



LEAD TAP MONITORING REPORT

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Page 1 of 2 pages

PWS Name Warren, City of	PWSID 7803811	County Trumbull
Date(s) samples were collected 10/27/2009 - 10/29/2009		

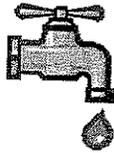
- List this monitoring period's samples in order from the lowest lead concentration to the highest lead concentration.
- Number the first column of each line used, starting with the number 1.
- Calculate the 90th percentile line number(s) according to the instructions and circle that number(s) and the lead concentration(s) for that sample(s).

Line Number	Sample Date and Laboratory Sample Number	Address of Sample Site and Example: 234 S Main St Town OH 432__	Tap Type* and Location	Structure Type SFR MFR or BLDG	Interior Plumbing Material Pb CuPb > 83 CuPb < 83 CuLF or other	Service Line Material Pb Cu or other	Tier 1 2 3 or other	Lead Conc. [Pb] ug/L
1	10-27 091669-02	3995 Longhill	K	SFR	CuPb < 83	Cu	1	< 2.0
2	10-27 091669-02	2012 EWART			CuPb < 83	Cu		
3	10-27 091669-05	1514 Highland			CuPb < 83	Pb		
4	10-27 091669-06	1386 Bradford			CuPb < 83	Cu		
5	10-27 091669-09	4462 Willow Creek			CuPb > 82	Cu		
6	10-27 091669-14	2246 N. River Road			CuPb 782	Cu		
7	10-27 091669-16	2144 N. River Road			CuPb 782	Cu		
8	10-27 091669-18	3001 Beal			CuPb < 83	Cu		
9	10-28 091669-20	1470 North Road			CuPb 782	Cu		
10	10-28 091669-21	715 Belvedere SE			Cu Pb < 83	Pb		
11	10-29 091669-25	4459 Willow Creek			CuPb 782	Cu		
12	10-29 091669-26	1304 Parkman			CuPb < 83	Pb		
13	10-29 091669-27	393 Woodbine			CuPb < 83	Pb		
14	10-29 091669-28	2272 Stewart			CuPb 782	Cu		
15	10-29 091669-30	324 Clifton			CuPb 782	Cu		
16	10-27 091669-15	1230 Parkman			CuPb < 83	Pb		2.3
17	10-28 091669-24	880 Oak Knoll			CuPb < 83	Pb		2.5
18	10-29 091669-29	2665 Schenley			CuPb > 82	Cu		2.7
19	10-28 091669-22	978 Hollywood			CuPb < 83	Cu		3.3
20	10-30 091669-23	1104 Portsmouth	↓	↓	CuPb < 83	Pb	↓	4.4

*Tap type codes: B - bathroom sink cold water tap; D - drinking fountain; K - kitchen sink cold water tap; R - rest room sink cold water tap; O - other tap (with prior Ohio EPA acceptance)

NOTICE:

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Page 1 of 2 pages

PWS Name <u>Warren City of</u>	PWSID <u>7803811</u>	County <u>Trumbull</u>
Date(s) samples were collected <u>10/27/2009 - 10/29/2009</u>		

- List this monitoring period's samples in order from the lowest copper concentration to the highest copper concentration.
- Number the first column of each line used, starting with the number 1.
- Calculate the 90th percentile line number(s) according to the instructions and circle that number(s) and the copper concentration(s) for that sample(s).

Line Number	Sample Date and Laboratory Sample Number	Address of Sample Site and Example: 234 S Main St Town OH 432__	Tap Type* and Location	Structure Type SFR MFR or BLDG	Interior Plumbing Material Pb CuPb > 83 CuPb < 83 CuLF or other	Service Line Material Pb Cu or other	Tier 1 2 3 or other	Copper Conc. [Pb] ug/L
1	10-27 091669-01	3995 Longhill	K	SFR	CuPb < 83	Cu	1	< 10
2	10-27 091669-02	2012 Ewalt			CuPb < 83	Cu		
3	10-27 091669-05	1514 Highland			CuPb < 83	CuPb		
4	10-27 091669-06	1386 Bradford			CuPb < 83	Cu		
5	10-27 091669-14	2246 N. River Road			CuPb > 82	Cu		
6	10-27 091669-16	2144 N. River Road			CuPb > 82	Cu		
7	10-28 091669-21	715 Belvedere SE			CuPb < 83	Pb		
8	10-29 091669-25	4459 Willow Creek			CuPb > 82	Cu		
9	10-29 091669-26	1304 Parkman			CuPb < 83	Pb		
10	10-27 091669-15	1230 Parkman			CuPb < 83	Pb		
11	10-28 091669-24	880 Oak Knoll			CuPb < 83	Pb		
12	10-29 091669-29	2665 Schenley			CuPb > 82	Cu		
13	10-28 091669-22	978 Hollywood			CuPb < 83	Cu		
14	10-27 091669-07	1474 Hollywood			CuPb < 83	Pb		
15	10-27 091669-10	157 Oak Knoll			CuPb < 83	Pb		
16	10-27 091669-17	948 Maryland			CuPb < 83	Pb		
17	10-28 091669-19	1434 Hollywood			CuPb < 83	Pb		↓
18	10-27 091669-04	1815 Edgwood			CuPb < 83	Pb		10
19	10-29 091669-28	2272 Stewart			CuPb > 82	Cu		11
20	10-27 091669-13	311 Comstock	↓	↓	CuPb < 83	Pb	↓	12

*Tap type codes: B - bathroom sink cold water tap; D - drinking fountain; K - kitchen sink cold water tap; R - rest room sink cold water tap; O - other tap (with prior Ohio EPA acceptance)

NOTICE:

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DRINKING WATER LEAD AND COPPER MONITORING REPORT

Water System Identification and Sampling Date(s)

PWS Name Warren, City of		PWSID 7803811	County TRUMBULL
Street or Box 2710 State Route 5		Phone 330-841-2578	Population < 50,000
City Cortland	Zip Code 44410	DATE(S) SAMPLES COLLECTED: 1-11-10 → 1-14-2010 ; 2/25, 2/26, 2/28; 3/11-3/13, 3/15, 3/18	

Analytical Laboratory Identification

Return completed report to your district office no later than 10 days after the end of the sampling period. Keep a copy in your records for at least 12 years.

Laboratory Name Alloway	Inorganic Certification No. 4053
-----------------------------------	--------------------------------------------

2010

NOTICE: This report is required under Revised Code Sections 6109.04 and 6109.12. Non-compliance may result in civil penalties up to a maximum of \$25,000 per violation under Sections 6109.31 and 6109.33.

Lead and Copper Tap Monitoring (First-Draw Samples)

a. Number of sampling sites required: **60** Number of samples analyzed: **60** If the number of samples analyzed is less than the standard number of sampling sites required for your water system, why?

b. Were all sampling sites per 1 sites? Yes No If no, why?

c. Were 50% of your lead samples from sites with Lead Service Lines? Yes No If no, why?

d. Have any of your sampling sites changed since the last monitoring period? Yes No If yes, why?

e. 90th% Lead Level: **5.8** µg/L 90th% Copper Level: **32** µg/L.

Lead and Copper Tap Monitoring Results must be shown by attaching Ohio EPA forms 5106 and 5107.

When the 90th% Lead Level is 15.5 µg/L or higher or when the 90th% Copper Level is 1350 µg/L or higher, additional testing is usually required. If either of these results occurred, contact your Ohio EPA district office as soon as possible for more information.

Required Certification

I certify that each first-draw lead and copper sample collected for our water system was one liter in volume, was taken from a kitchen or bathroom cold-water tap or a drinking fountain, and, to the best of my knowledge, had stood motionless in the service line and in the interior plumbing of the sampling site for at least six hours. I further certify that each tap sample collected by residents was taken after the water system informed them of proper sampling procedures.

Printed Name of Person in Responsible Charge of Monitoring George Connors	Signature of Person in Responsible Charge of Monitoring <i>George Connors</i>	Date 3/23/10
-------------------------------------------------------------------------------------	----------------------------------------------------------------------------------	------------------------

For Ohio EPA use only:	Monitoring period:	Period number:	Period type code: OT	Period outcome:	Next due date: 1-10-11
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EPA 5105 (Rev. 5/97)

6M-L10



LEAD TAP MONITORING REPORT

Submit with Form EPA 5105

Page 1 of 3 pages

PWS Name Warren, City of	PWSID 7803811	County TRUMBULL
Date(s) samples were collected 1-11, 1-12, 1-13, 1-14, 2/25, 2/26, 2/28, 3/1, 3/2, 3/3, 3/5, 3/8 2010		

- List this monitoring period's samples in order from the lowest lead concentration to the highest lead concentration.
- Number the first column of each line used, starting with the number 1.
- Calculate the 90th percentile line number(s) according to the instructions and circle that number(s) and the lead concentration(s) for that sample(s).

Line Number	Sample Date and Laboratory Sample Number	Address of Sample Site and Example: 234 E Main St Town OH 432__	Tap Type* and Location	Structure Type SFR MFR or BLUG	Interior Plumbing Material Pb CuPb > 83 CuPb < 83 CuLF or other	Service Line Material Pb Cu or other	Tier 1 2 3 or other	Lead Conc. [Pb] ug/l.
1	1-12 101370-01	174 Harwood	K	SFR	CuPb < 83	Pb	1	< 2.0
2	1-12 101370-03	1114 Kinmore	K		CuPb < 83	Cu		
3	1-12 101370-06	791 Wexline	K		CuPb < 83	Pb		
4	1-12 101370-09	309 Willow	K		CuPb 782	Cu		
5	1-12 101370-10	1041 N 46inley	K		CuPb < 83	Pb		
6	1-12 101370-11	4057 Edison	K		CuPb 782	Cu		
7	1-12 101370-15	1649 Sunset	K		CuPb < 83	Pb		
8	1-14 101370-28	430 W Willow	K		CuPb 782	Cu		
9	1-11 101370-02	2982 Carlton	K		CuPb 782	Cu		
10	1-12 101370-05	2275 W Fir	K		CuPb 782	Cu		
11	1-12 101370-24	1085 Eastland	K		CuPb 782	Cu		
12	1-12 101370-04	2062 Walnut	K		CuPb 782	Cu		
13	1-12 101370-12	328 W Willow	K		CuPb 782	Cu		
14	1-12 101370-27	306 Clifton	K		CuPb 782	Cu		
15	1-12 101370-26	697 Oak Knoll	K		CuPb < 83	Pb		
16	1-13 101370-20	329 Willow	K		CuPb 782	Cu		
17	1-12 101370-19	2118 E Walnut	K		CuPb 782	Cu		
18	1-12 3-5 102638-01	1040 Woodland	K		CuPb 782	Pb		
19	3-1 102461-03	1104 Brunswick	K		CuPb < 83	Pb		
20	3-3 102461-27	1514 Highland	K	✓	CuPb < 83	Pb	✓	✓

*Tap type codes: B - bathroom sink cold water tap; D - drinking fountain; K - kitchen sink cold water tap; R - rest room sink cold water tap; O - other tap (with prior Ohio EPA acceptance)

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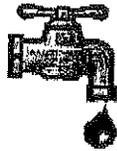
Page 2 of 3 pages

PWS Name Warren, City of	PWSID 7803811	County Trumbull
Date(s) samples were collected 11, 12, 13, 14, 21, 25, 26, 28, 31, 32, 33, 315, 318 2010		

- List this monitoring period's samples in order from the lowest lead concentration to the highest lead concentration.
- Number the first column of each line used, starting with the number 1.
- Calculate the 90th percentile line number(s) according to the instructions and circle that number(s) and the lead concentration(s) for that sample(s).

Line Number	Sample Date and Laboratory Sample Number	Address of Sample Site and Example: 234 S Main St Town OH 432__	Tap Type* and Location B 2 nd floor	Structure Type SFR MFR or BLDG	Interior Plumbing Material Pb Cu/Pb > 82 Cu/Pb < 83 CuLF or other	Service Line Material Pb Cu or other	Tier 1 2 3 or other	Lead Conc. (Pb) µg/L
21	3-3 102461-26	4465 Willow Creek	K	SFR	Cu/Pb 782	Cu	1	<2.0
22	3-2 102461-25	2665 Schenley	K		Cu/Pb 782	Cu		
23	3-2 102461-23	3995 Longhill	K		Cu/Pb 483	Cu		
24	3-2 102461-22	324 Tifton	K		Cu/Pb 782	Cu		
25	3-2 102461-20	715 Belvedere SE	K		Cu/Pb 483	Pb		
26	3-2 102461-19	3007 Beal	K		Cu/Pb 483	Cu		
27	3-2 102461-17	2012 Ewalt	K		Cu/Pb 483	Cu		
28	3-2 102461-15	4465 Willow Creek	K		Cu/Pb 782	Cu		
29	2-28 102461-14	1304 Parkman	K		Cu/Pb 483	Pb		
30	2-28 102461-13	1230 Parkman	K		Cu/Pb 483	Pb		
31	2-26 102461-11	1470 N. Road	K		Cu/Pb 782	Cu		
32	2-26 102461-10	465 Willow	K		Cu/Pb 782	Cu		
33	2-26 102461-09	349 Willow	K		Cu/Pb 782	Cu		
34	2-25 102461-08	880 Oak Knoll	K		Cu/Pb 483	Pb		
35	2-25 102461-07	4464 Willow Creek	K		Cu/Pb 782	Cu		
36	3-2 102461-06	2144 North River	K		Cu/Pb 782	Cu		
37	3-2 102461-05	2276 Stewart	K		Cu/Pb 782	Cu		
38	2-28 102461-02	1386 Bradford	K		Cu/Pb 483	Cu		
39	2-28 102461-01	393 Woodbine	K		Cu/Pb 483	Pb		✓
40	3-2 102461-24	1476 Hollywood NE	K	✓	Cu/Pb 483	Pb	✓	2.0

Tap type codes: B - bathroom sink cold water tap; D - drinking fountain; K - kitchen sink cold water tap; R - rest room sink cold water tap; O - other tap (with prior Ohio EPA acceptance)



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PWS Name Warren, City of	PWSID 7803811	County Trumbull
Date(s) samples were collected HL 1-12, 1-13, 1-14, 2/25/26, 2/28, 2/11, 3/2, 3/13, 3/15, 3/18 2010		

- List this monitoring period's samples in order from the lowest lead concentration to the highest lead concentration.
- Number the first column of each line used, starting with the number 1.
- Calculate the 90th percentile line number(s) according to the instructions and circle that number(s) and the lead concentration(s) for that sample(s).

Line Number	Sample Date and Laboratory Sample Number	Address of Sample Site and Example: 234 S Main St Town OH 432__	Tap Type* and Location B 2 nd floor	Structure Type SFR MFR or BLDG	Interior Plumbing Material Pb CuPb > 82 CuPb < 83 CuLF or other	Service Line Material Pb Cu or other	Tier 1 2 3 or other	Lead Conc. [Pb] µg/l.
41	1-12 101370-08	641 Willard	K	SFR	CuPb < 83	Pb	1	2.4
42	1-12 101370-16	644 Meadowbrook	K		CuPb < 83	Pb		2.5
43	1-12 101370-18	820 Woodbine	K		CuPb < 83	Pb		2.6
44	1-12 101370-17	2158 North River Road	K		CuPb < 82	Cu		2.6
45	1-12 101370-14	1227 McKinley	K		CuPb < 83	Pb		3.0
46	1-12 101370-07	756 Kenmore	K		CuPb < 83	Pb		3.0
47	3-2 102461-21	157 Oak Knoll SE	K		CuPb < 83	Pb		3.3
48	2-28 102461-12	1396 Bradford	K		CuPb < 83	Pb		3.5
49	3-5 102461-03	1374 Bradford	K		CuPb < 83	Pb		3.6
50	1-12 101370-13	1041 McKinley	K		CuPb < 83	Pb		3.6
51	1-13 101370-22	826 Dana	K		CuPb < 83	Pb		3.6
52	1-13 101370-21	356 Bonnie Brae	K		CuPb < 83	Pb		3.9
53	1-14 101370-29	1214 South Street	K		CuPb < 83	Pb		4.5
54	3-2 102461-16	311 Comstock	K		CuPb < 83	Pb		5.8
55	3-2 102461-18	1611 North Park	K		CuPb < 83	Pb		6.1
56	1-12 101370-25	618 Willard	K		CuPb < 83	Pb		6.2
57	3-2 102461-04	553 Scott	K		CuPb < 83	Pb		6.6
58	1-13 101370-30	1717 Bonnie Brae NE	K		CuPb < 83	Pb		7.6
59	1-12 101370-23	814 Perkinswood	K		CuPb < 83	Pb		14
60	3-8 102461-03	1216 McKinley	K	✓	CuPb < 83	Pb	✓	15

*Tap type codes: B - bathroom sink cold water tap; D - drinking fountain; K - kitchen sink cold water tap; R - rest room sink cold water tap; O - other tap (with prior Ohio EPA acceptance)



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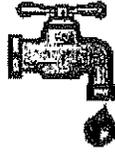
Page 1 of 3 pages

PWS Name <u>Warren City of</u>	PWSID <u>7803811</u>	County <u>TRUMBULL</u>
Date(s) samples were collected <u>1-12, 1-13, 1-14, 2-25, 2-26, 2-28, 3-1, 3-2, 3-3, 3-5, 3-8, 2010</u>		

- List this monitoring period's samples in order from the lowest copper concentration to the highest copper concentration.
- Number the first column of each line used, starting with the number 1.
- Calculate the 90th percentile line number(s) according to the instructions and circle that number(s) and the copper concentration(s) for that sample(s).

Line Number	Sample Date and Laboratory Sample Number	Address of Sample Site and Example: 234 S Main St Town OH 432	Tap Type* and Location	Structure Type SFR MFR or BLDG	Interior Plumbing Material Pb CuPb > 83 CuPb < 83 CuLF or other	Service Line Material Pb Cu or other	Tier 1 2 3 or other	Copper Conc. [Pb] ug/L
1	1-12 101370-01	174 Haz Wood	K	SFR	CuPb < 83	Pb	1	< 10
2	1-12 101370-03	1114 Kenmore	K		CuPb < 83	Cu		
3	1-12 101370-06	791 Woodbine	K		CuPb < 83	Pb		
4	1-12 101370-09	309 Willow	K		CuPb 782	Cu		
5	1-12 101370-10	1041 McKinley	K		CuPb < 83	Pb		
6	1-12 101370-11	4057 Adrian	K		CuPb 782	Cu		
7	1-12 101370-15	1649 Sunset	K		CuPb < 83	Pb		
8	1-14 101370-28	430 Willow	K		CuPb 782	Cu		
9	1-12 101370-08	641 Willard	K		CuPb < 83	Pb		
10	1-12 101370-18	820 Woodbine	K		CuPb < 83	Pb		
11	1-12 101370-14	1227 McKinley	K		CuPb < 83	Pb		
12	1-12 101370-07	756 Kenmore	K		CuPb < 83	Pb		
13	1-12 101370-13	1049 McKinley	K		CuPb < 83	Pb		
14	1-14 101370-29	1214 Smith Street	K		CuPb < 83	Pb		
15	1-12 101370-25	618 Willard	K		CuPb < 83	Pb		
16	3-3 102461-26	4465 Willow Creek	K		CuPb 782	Cu		
17	3-2 102461-23	3995 Longhill	K		CuPb < 83	Cu		
18	3-2 102461-20	715 Blydenburg SE	K		CuPb < 83	Pb		
19	3-2 102461-17	2012 Ewalt	K		CuPb < 83	Cu		
20	2-28 102461-14	1304 Parkman	K	✓	CuPb < 83	Pb	✓	✓

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Page 2 of 3 pages

PWS Name <u>Warren, City of</u>	PWSID <u>7803811</u>	County <u>Trumbull</u>
Date(s) samples were collected <u>1-11, 1-12, 1-13, 1-14, 2-25, 2-26, 2-28, 3-1, 3-2, 3-3, 3-5, 3-8, 2010</u>		

- List this monitoring period's samples in order from the lowest copper concentration to the highest copper concentration.
- Number the first column of each line used, starting with the number 1.
- Calculate the 90th percentile line number(s) according to the instructions and circle that number(s) and the copper concentration(s) for that sample(s).

Line Number	Sample Date and Laboratory Sample Number	Address of Sample Site and Example: 234 S Main St Town OH 432__	Tap Type* and Location	Structure Type SFR MFR or BLDG	Interior Plumbing Material Pb CuPb > 82 CuPb < 83 CuLF or other	Service Line Material Pb Cu or other	Tier 1 2 3 or other	Copper Concn. [Pb] µg/L
21	2-28 102461-13	1230 Parkman	K	SFR	CuPb 483	Pb	1	<10
22	2-26 102461-10	465 Willow	K		CuPb 782	Cu		
23	2-25 102461-08	880 Oak Knoll	K		CuPb 483	Pb		
24	3-2 102461-05	2272 Stewart	K		CuPb 782	Cu		
25	2-28 102461-12	1386 Bradford	K		CuPb 483	Cu		
26	3-2 102461-24	1474 Hollywood NE	K		CuPb 483	Pb		
27	3-3 102461-27	1514 Highland	K		CuPb 483	Pb		
28	3-5 102638-01	1040 Woodland	K		CuPb 782	Pb		
29	3-2 102461-21	157 Oak Knoll SE	K		CuPb 483	Pb		
30	3-5 102638-02	1374 Bradford	K		CuPb 483	Pb		
31	3-2 102461-16	311 Jimstock	K		CuPb 483	Pb		
32	3-8 102638-03	1216 McKinley	K		CuPb 483	Pb		✓
33	1-13 101370-30	1717 Bonnie Brae NE	K		CuPb 483	Pb		10
34	3-2 102461-25	2665 Schenley	K		CuPb 782	Cu		10
35	1-11 101370-02	2982 Carlton	K		CuPb 782	Cu		10
36	1-12 101370-05	2275 Weir	K		CuPb 782	Cu		11
37	1-13 101370-21	352 Bonnie Brae	K		CuPb 483	Pb		12
38	1-13 101370-22	826 Dana	K		CuPb 483	Pb		12
39	1-12 101370-24	1085 Gastland	K		CuPb 782	Cu		12
40	3-1 102461-13	1104 Brunswick	K	✓	CuPb 483	Pb	✓	13

*Tap type codes: B - bathroom sink cold water tap; L - drinking fountain; K - kitchen sink cold water tap; R - rest room sink cold water tap; O - other tap (with prior Ohio EPA acceptance)

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Page 3 of 3 pages

PWS Name <u>Warren City of</u>	PWSID <u>7803811</u>	County <u>TRUMBULL</u>
Date(s) samples were collected <u>1-11, 1-12, 1-13, 1-14, 2-5, 2-26, 2-28, 3-1, 3-2, 3-3, 3-5, 3-8, 2010</u>		

- List this monitoring period's samples in order from the lowest copper concentration to the highest copper concentration.
- Number the first column of each line used, starting with the number 1.
- Calculate the 90th percentile line number(s) according to the instructions and circle that number(s) and the copper concentration(s) for that sample(s).

Line Number	Sample Date and Laboratory Sample Number	Address of Sample Site and Example: 234 S Main St Town OH 432	Tap Type* and Location	Structure Type SFR MFR or BLDG	Interior Plumbing Material Pb CuPb > 82 CuPb < 83 CuLF or other	Service Line Material Pb Cu or other	Tier 1 2 3 or other	Copper Concn. [Pb] ug/l.
41	1-11 101370-04	2062 Ewalt	K	SFR	CuPb 782	Cu	1	13
42	1-12 101370-12	328 Willow	K		CuPb 782	Cu		13
43	1-12 101370-27	306 Clifton	K		CuPb 782	Cu		13
44	1-12 101370-26	697 Oak Knoll	K		CuPb 483	Pb		14
45	3-2 102461-19	3007 Oak	K		CuPb 483	Cu		15
46	2-25 102461-07	4464 Willow Creek	K		CuPb 782	Cu		16
47	2-28 102461-12	1396 Bradford	K		CuPb 483	Pb		17
48	1-12 101370-16	644 Meadowbrook	K		CuPb 483	Pb		19
49	1-13 101370-20	329 Willow	K		CuPb 782	Cu		19
50	1-13 101370-23	814 Erkinswood	K		CuPb 483	Pb		20
51	3-02 102461-22	321 Clifton	K		CuPb 782	Cu		24
52	3-2 102461-04	555 Scott	K		CuPb 483	Pb		25
53	1-12 101370-19	2115 Ewalt	K		CuPb 782	Cu		26
54	1-12 101370-17	2158 N. River Road	K		CuPb 782	Cu		32
55	3-2 102461-06	2144 North River	K		CuPb 782	Cu		32
56	2-28 102461-01	393 Woodbine	K		CuPb 483	Pb		33
57	2-26 102461-11	1470 North Road	K		CuPb 782	Cu		44
58	3-2 102461-18	1618 North Park	K		CuPb 483	Pb		57
59	2-26 102461-09	349 Willow	K		CuPb 782	Cu		62
60	3-2 102461-15	4462 Willow Creek	K	✓	CuPb 782	Cu	✓	67

*Tap type codes: B - bathroom sink cold water tap; D - drinking fountain; K - kitchen sink cold water tap; R - rest room sink cold water tap; O - other tap (with prior Ohio EPA acceptance)

EPA 5107 (Rev. 12/97)

NOTE:

This report is required under Revised Code Sections 6109.04 and 6109.12. Non-compliance may result in civil penalties up to a maximum of \$25,000 per violation under Sections 6109.31 and 6109.33.