

MAR 08 2017

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Southwest District

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**VERIFICATION FORM FOR COMMUNITY PUBLIC WATER SYSTEMS
CLAIMING NO LEAD SERVICE LINES**

The owner or operator of all community public water systems must identify and map areas of their distribution system that are known or are likely to contain lead service lines. Systems must submit a copy of the applicable map to the Ohio Department of Health and the Ohio Department of Job and Family Services. Systems must also submit a report to the director containing at least both of the following: (1) The applicable map with narrative, and (2) A list of sampling locations used to collect samples as required by Ohio Revised Code (ORC) Section 6109.121 and any rules adopted thereunder, including contact information for the owner and occupant of each sampling site.

Should a water system determine no lead service lines exist in their distribution system, they must provide information stating they reviewed, at the minimum, historical permit records and local ordinances, distribution maintenance records and information pertaining to installation dates or materials for all services lines. This information must be verified below.

I HEREBY CERTIFY THAT THE FOLLOWING METHOD(S) WERE USED TO DETERMINE NO LEAD SERVICE LINES EXIST IN THIS WATER SYSTEM'S DISTRIBUTION SYSTEM, AS REQUIRED BY ORC 6109.121(F):

LEAD SERVICE LINE VERIFICATION

This PWS states they have no lead service lines and has reviewed the following information (select one or more of the following):

- ☐ Historical permit records and/or local ordinances
- ☒ Distribution maintenance records (i.e. meter replacement, waterline break repairs)
- ☐ Information pertaining to installation dates for all service lines (i.e. after 1986 when lead services lines were banned)
- ☒ Service line material of all service lines is known (i.e. all service lines are known to be PVC)



3-7-17

Signature of Responsible Person

Date

PATTI J. BATES VILLAGE MANAGER

Printed Name and Title of Responsible Person

PWS NAME: Village of Yellow Springs
PWS ID: OH 2903012
COUNTY: Greene

For Ohio EPA use only:

Date Verification Rec'd: _____

The public water system was started in the early 1920's by Arthur Morgan when he was president of Antioch College.

In 1927 Yellow Springs developed construction plans for a water system throughout the Village with a grid having a backbone.

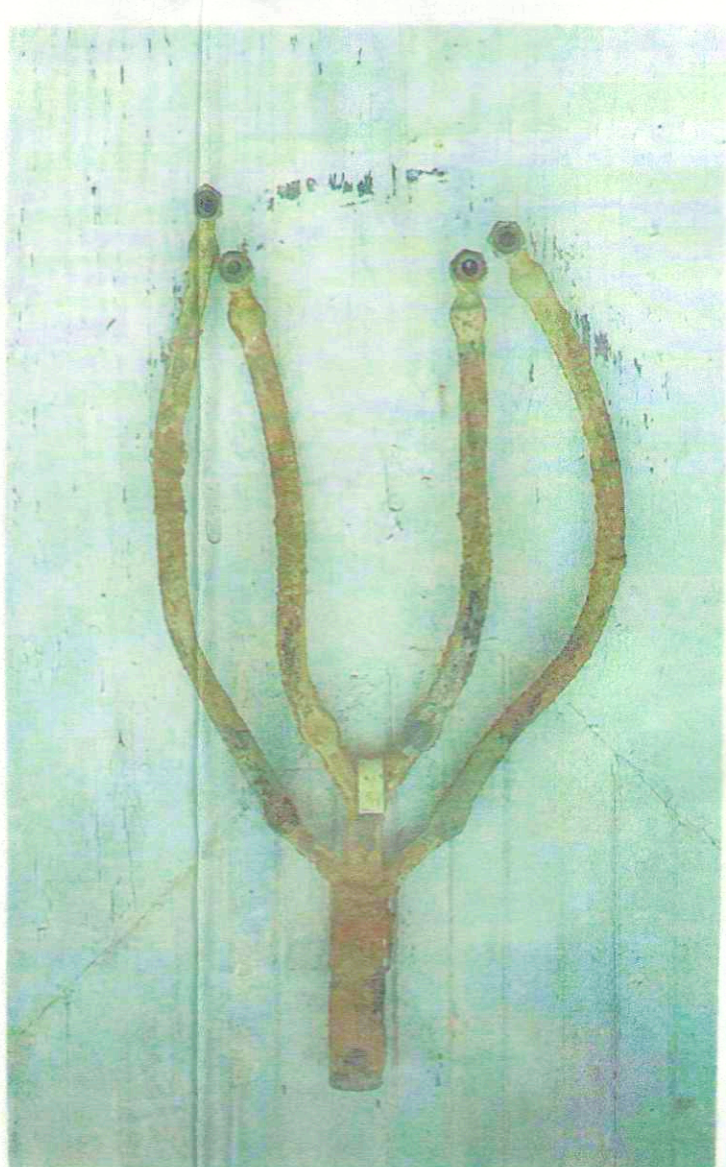
The Village acquired Antioch System in 1928.

The Village of Yellow Springs water system has a significant amount of buildings built prior to 1986 these zones are colored in RED on map, zones built between 1987-1998 are colored in Pink on map, zones built from 1999-2014 are colored in Orange on map, zones built between 2014- Present are colored in Green on map. This map indicates distribution sizes, main breaks through 2014-2017, known lead connectors that have been removed and possible areas where more lead connectors are likely to be in place. The map also shows areas where new meters and service lines have been installed and do not contain lead in the service lines.

Because it is practically impossible to determine the lead content of an installed fixture, fitting or pipe, it should be assumed that the manufacture or installation date is primary indicator of the lead content. Therefore, the characteristics of

buildings and piping solder or fixtures would be building in Ohio built prior to 1998 or that use plumbing material or solder manufactured before 1998 may have materials with greater than 8% lead and are at a higher risk of contributing to the drinking water than materials manufactured after 1998. In addition buildings built and plumbing materials manufactured after 2014 were required to have less than 0.25% lead by weight and have the lowest risk for contribution to the drinking water. It should be noted however that, although prohibited, some use of lead solder or leaded components may have occurred after the prohibition became effective.

The Village water distribution goal is to change out all water meters to remote read meters by the end of 2018. At which time we will be able to identify the make of all service lines. The Village is also in the process of integrating a GIS system for water and electric to better identify problem areas and will continue to update this map with the new GIS system.



← X → = Removed Lead Connection

○ = Possible to Have this Lead Connection

■ = New Water Meters - No Lead

● = Water Breaks 2014-2017

Red = Built before 1986

Pink = Built between 1987-1998

Orange = Built between 1999-2013

Green = Built between 2014- Present

MAP KEY
WATER MAIN SIZES:
16 INCH
12 INCH
10 INCH
8 INCH
6 INCH
4 INCH
2 INCH

EXISTING FIRE FLOW AT BRANNUM LANE:
BOTH PUMPS OFF = 436 GPM
ONE PUMP ON = 1,100 GPM
TWO PUMPS ON = 1,635 GPM

PROJECTED FLOWS AT BRANNUM LANE:
ALL PUMPS OFF:
PROJECT 4 ONLY = 586 GPM
PROJECT 2 ONLY = 773 GPM
PROJECTS 3 & 4 = 880 GPM
PROJECTS 2, 3 & 4 = 1,184 GPM

PROJECT #1
NEW 8" ON S. WALNUT
& SHORT ST.
XENIA AV. FIRE FLOW:
770 GPM BEFORE
1,300 GPM AFTER

PROJECT #2 NEW 10" ON
CARRY STREET FROM ALLEN
ST. TO XENIA AV.
FIRE FLOW AT XENIA AV. & CARRY:
800 GPM BEFORE PROJECT 1
1,220 GPM BEFORE PROJECT 2
1,980 GPM AFTER PROJECT 2
2,480 GPM AFTER, WITH BOTH PUMPS ON

PROJECT #4 NEW 6" ON
LIVERMORE, DAVIS & XENIA
FROM SOUTH COLLEGE TO
LIMESTONE STREET
FIRE FLOW AT NORTH COLLEGE & LIVERMORE:
905 GPM BEFORE
1,728 GPM AFTER
2,329 GPM AFTER (WITH PROJECT #3)

WATER SYSTEM PROJECTS (Results of 2005 Water Distribution Study)