



# FAIRFIELD CITY PWS (OH0900715)

City Water System Established in 1955: No Known Lead Service Lines

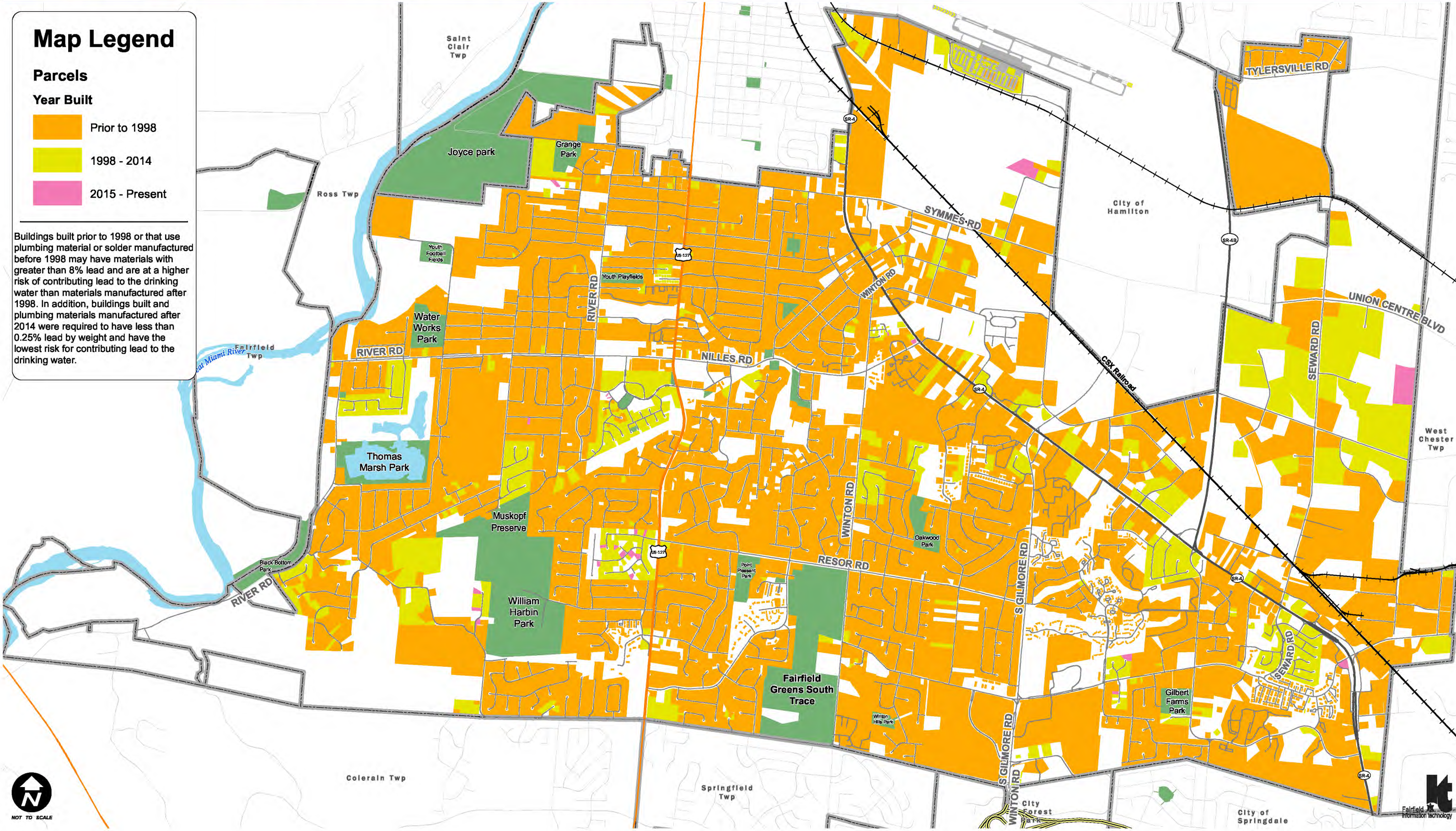
## Map Legend

### Parcels

#### Year Built

- Prior to 1998
- 1998 - 2014
- 2015 - Present

Buildings 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 lead 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 contributing lead to the drinking water.



February 28, 2017

Ohio EPA – Southwest District Office  
Division of Drinking and Ground Waters  
401 East Fifth St.  
Dayton, Ohio 45402  
Attn: Mr. Dan Cloyd

RE: City of Fairfield, OH: Lead Mapping In Distribution Systems

In accordance with the requirements of HB 512, and in addition to the narrative below, please find the attached documents for the City of Fairfield, OH, PWS OH0900715:

- Fairfield City PWS Lead Map;
- Verification Form for PWS Claiming No Lead Service Lines;
- List of sampling locations that are Tier I sites used to collect lead and copper samples.

*NARRATIVE:*

Based on all relevant information evaluated, there are no known lead service lines in the City of Fairfield, OH.

On October 20<sup>th</sup>, 1955, Fairfield Village became the City of Fairfield. In June of 1957 the City's new Water Treatment Plant and original Distribution System were dedicated. By that time, lead service lines were widely recognized as a health hazard and were not being installed in the area. Regionally and more specifically, the Greater Cincinnati Water Works stopped installing lead service lines in 1927 – almost thirty (30) years before Fairfield's Public Water System was designed and constructed. Accordingly, there is no record of any lead service line ever being installed in Fairfield. The only mention of lead pipes in the Fairfield Building Code, originally published in 1958, was in relation to "pipe used for branch soil, waste, vent, or flush pipes including bends and traps" (Section 2711.9).

Based on observations associated with operational and maintenance activities in Fairfield's 169 linear mile water distribution system, staff is confident in confirming that there are no known lead service lines in the City. More specifically:

- Water Distribution crew members with over thirty (30) and up to forty (40) years of experience in the system have never once encountered a lead service line. Typically 30-50 service lines and 50-80 water main breaks are repaired every year. Never during a service line or main break repair was a lead line encountered. Most all service lines in Fairfield are copper, with a few exceptions.
- In 2005, a comprehensive City-wide meter replacement program was completed. As 86% of the 13,268 accounts have water meters located inside the premises, this replacement program facilitated inspections of a large majority of the entry points of customer service lines. Water Distribution crew members that participated in this meter replacement program state that no lead service lines were encountered during the project.

Based on all relevant information evaluated, the City of Fairfield Public Utilities Department, Division of Water, is confident to report that there are no known lead service lines in the City of Fairfield, OH.

#### *LEAD MAP:*

The attached Fairfield City PWS lead map illustrates three conditions based on parcel year of construction. Parcel information and year of construction data was assembled from the Butler County, OH, Auditor's Office and historical building records.

Prior to 1998 is represented in orange. The SDWA lead ban provisions became effective in the Ohio Plumbing Code on March 30, 1998. Buildings built prior to 1998 may have plumbing material or solder that may contain greater than 8% lead. The consumers who live or frequent these buildings are most at risk to lead exposure from the buildings' internal plumbing system.

1998-2014 is represented in yellow. The buildings of this time period were subject to the lead ban provisions reflected in the Ohio Plumbing Code and were required to be built using materials and solder containing less than 8% lead.

2014 – Present is represented in pink. The amendment of the SDWA Section 1417 changed the definition of "lead free" from 8% to a weighted average of not more than 0.25% lead. These new requirements became effective January 1, 2014. The current construction requirements dictate that the plumbing materials and solder contain a weighted average of not more than 0.25% lead. Buildings constructed after 2014 are the least likely to have plumbing containing lead materials, so these consumers are at the lowest risk of exposure to lead leaching into their drinking water from the interior plumbing of the building.

If you have any questions about the information contained in the above narrative, or the attached map and related documents, please contact Andreas Eddy, Water Division Superintendent, at 513-858-7775.

Sincerely,

CITY OF FAIRFIELD PUBLIC UTILITIES DEPARTMENT



Adam M. Sackenheim  
Director of Public Utilities

Attachments: (3)

Lead Map  
Verification Form  
Tier I Sample Site List

CC: Ohio Department of Health (ODH)  
Attn: Lead Program, 6<sup>th</sup> Floor  
246 North High Street  
Columbus, Oh 43215

Ohio Department of Job and Family Services (ODJFS)  
Office of Family Assistance –  
Bureau of Child Care Licensing and Monitoring  
P.O. Box 183204  
Columbus, Oh 43218-3204

## 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):

<b>LEAD SERVICE LINE VERIFICATION</b>	
<b>This PWS states they have no lead service lines and has reviewed the following information (select one or more of the following):</b>	
<input checked="" type="checkbox"/>	Historical permit records and/or local ordinances
<input checked="" type="checkbox"/>	Distribution maintenance records (i.e. meter replacement, waterline break repairs)
<input type="checkbox"/>	Information pertaining to installation dates for all service lines (i.e. after 1986 when lead services lines were banned)
<input type="checkbox"/>	Service line material of all service lines is known (i.e. all service lines are known to be PVC)

*Adam M. Sackenheim*                                  2/28/17  
Signature of Responsible Person                                  Date

ADAM M. SACKENHEIM, UTILITIES DIRECTOR  
Printed Name and Title of Responsible Person

**PWS NAME:** FAIRFIELD CITY PWS  
**PWS ID:** OH 0900715  
**COUNTY:** BUTLER

<p><b><u>For Ohio EPA use only:</u></b></p> <p>Date Verification Rec'd: _____</p>
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