

2017

WATER DISTRIBUTION ANNUAL REPORT



CITY OF FINDLAY WATER DISTRIBUTION DEPARTMENT

136 N. BLANCHARD ST.

FINDLAY, OHIO 45840

The City of Findlay Water Distribution Department had 14 full time employees at the end of 2017.

Employees are:

- 1 Maintenance Supervisor
- 1 Secretary
- 1 Waterline Maintenance Worker III
- 3 Waterline Maintenance Workers III
- 6 Waterline Maintenance Workers II
- 1 Waterline Maintenance Technician
- 1 Waterline Maintenance Technician Assistant

Collectively, the Water Distribution Department totals 202 years of service.

***Members of the Water Distribution staff are:***

Jeff Betts-Maintenance Supervisor

Betty Jones-Administrative Assistant

Jeff Kolhoff-Waterline Maintenance Worker III

Ken Paul-Waterline Maintenance Worker III

Bob Wagner-Waterline Maintenance Worker III

Bryan Miller-Waterline Maintenance Technician

Jordan Endicott- Waterline Maintenance Worker III

Jason Ruhlen-Waterline Maintenance Technician Assistant

Michael Knight-Waterline Maintenance Worker II

Travis Bohn- Waterline Maintenance Worker II

Jacob Rayle- Waterline Maintenance Worker II

Joe Francis- Waterline Maintenance Worker II

Cameron Freed- Waterline Worker II

Ryan Cates- Waterline Worker II

## ***DEPARTMENT RESPONSIBILITIES***

At the end of 2017 the City of Findlay's Water Distribution Department was responsible for 321.18 miles of city water main. There are 19,166 water service connections, meter settings, and 2,489 fire hydrants.

The department also documents all activities handled including major activities such as: installation of water lines, water taps, service line renewals, main break repairs, hydrant repairs, locating of water lines for other utilities and contractors, repairs to streets, driveways, and sidewalks damaged by our activities, inspections of water service line installations, collection of bacteria samples for new water line installations and leak detection, review of all proposed construction plans, to make sure the proposed water lines are in compliance with Ohio EPA rules and regulations and AWWA Standards, and maintenance and minor repairs to the department's vehicles and equipment.

## ***NEW WATER SERVICE CONNECTIONS***



From 1992 through 2017, over a twenty five (25) year period, we have added 5,306 new water service connections to our system.

1992	162	2005	271
1993	209	2006	234
1994	272	2007	145
1995	245	2008	107
1996	268	2009	66
1997	285	2010	79
1998	346	2011	80
1999	360	2012	91
2000	403	2013	86
2001	293	2014	127
2002	316	2015	99
2003	242	2016	130
2004	275	2017	115

For the year 2017, 59 – ¾ inch services were installed taking 663 man-hours and 87.25 backhoe hours, 44 – 1 inch services were installed taking 417 man-hours and 47 backhoe hours, 2 -1 ½ inch services were installed taking 27 man-hours and 2 backhoe hours, 10 - 2 inch service were installed taking 293 man-hours, 28 backhoe hours. There was another 20 additional main line taps, 8 – 4” inch, 9 – 6” inch, 2 – 8” inch, 1 – 12” inch services requiring 88.50 man-hours and 16.50 backhoe hours.

**WATER SERVICE RENEWALS**



A total of 152 water services were renewed taking 1757.50 man-hours with 9 hour of overtime and 227.75 backhoe hours and 7 hours of vector truck. There were 142 – ¾ inch services, 6 – 1 inch service, 4 – 2 inch.

**LINE LOCATING**

Combined with the leak-locating program is the line locating program. This program is for locating our water lines for other utilities, contractors, developers and consultants.

We are a member of the Ohio Utilities Protection Service. They send us locates to us via email on WebTMS we in turn notify other city departments as needed.

Growth in locates from 1992 to 2017:

1992	2072	2005	6506
1993	2446	2006	6748
1994	2112	2007	5897
1995	3162	2008	5713
1996	3528	2009	5162
1997	4070	2010	5225
1998	4410	2011	5956
1999	3829	2012	6182
2000	6725	2013	6758
2001	5817	2014	7036
2002	5960	2015	7010
2003	5146	2016	7030
2004	6079	2017	7854

This figures out to be 31.29 locates per day for the 251 working days in a year. Along with line locating, there is also the collection of bacteria samples for testing of new water main installations. There were 86 labor hours used to collect 29 bacteria samples this year.

**METER SHOP REPAIRS, TESTING, Field Testing large Meters**

Tested	139	
Repaired	61	
Sent Back	369	
Large Meters	5	Man-hours 17.50

## ***FIRE HYDRANT FLUSHING***



The Water Dist. Department performs all of the flushing, tagging, and pumping of hydrants in our system. We constructed three truck mounted flushing units that allow us to open the hydrant completely to allow the needed velocity to properly flush the main line. Without these units, water would be flushed clear across the street potentially causing motorists harm, as it was experienced in the past. Also, since we have taken over the hydrant flushing, we have found that we can properly maintain the hydrant while we are there, saving time in return trips therefore saving money.

### ***GOALS FOR 2018***

Continue to update all waterline maps in house for future reference for GIS and EPA lead service line mapping.

Start a valve, locate and exercise program.

Continue the annual large meter test and repair program.

Continue the leak detection survey.

Complete small waterline Capital improvement projects.

Paint fire hydrants.

I would like to thank the employees of the Water Distribution Staff, who work diligently in providing clean safe drinking water. Along with helping and working with other department when needed. Our Water Distribution employees provide an excellent service to our community. Thank you to our Administrative Assistant, Maintenance Workers and Maintenance Technician.

Thank You,  
Jeff Betts  
Water Distribution Supervisor

**LIST OF DEPARTMENTAL ACTIVITIES PERFORMED**

Cold Mix repairs temporary patch to street excavations 11 different sites	Man-hours	9.50	Backhoe Hrs.	.75
0 gates installed	Man-hours	0	Backhoe Hrs.	0
116 gate box repairs	Man-hours	337.50	Backhoe Hrs. Vactor Hrs.	6.25 42.25
19 gate valves repaired	Man-hours	274.25	Backhoe Hrs. Vactor Hrs.	20.25 8.50
7 fire hydrants installed or replaced	Man-hours	145	Backhoe Hrs.	12
69 fire hydrants repaired	Man-hours	231.70	Backhoe Hrs.	5.50
13 fire hydrants checked for damage	Man-hours	22.75	Backhoe Hrs.	1.0
13 hydrants checked for leaks	Man-hours	11.5	Vactor Hrs.	0
8.25 hydrants pumped	Man-hours	8.25		
6 meter lids replaced	Man-hours	6.275	Vactor Hrs.	.50
6 hydrant flow test	Man-hours	16		
56 broken mains varying in sizes From 1 inch and up. Includes regular hours, overtime hours and call out stand-by hours.	Man-hours	854.75	Backhoe Hrs. Vactor Hrs.	93.25 4.00
69 leaks checked out	Man-hours	189.25	Backhoe Hrs. Vactor Hrs.	9 2
3 meters set in	Man-hours	3		
4 meter reductions	Man-hours	17.50		
1 meter increased	Man-hours	2		
1 meters taken out	Man-hours	1.5	Vactor Hrs.	.15
3 meters changed	Man-hours	8.50	Vactor Hrs.	0.25

10 pressure checks	Man-hours	14.50		
7 turn on service	Man-hours	6.0		
52 turn off for repairs regular hours,	Man-hours	40.25	Overtime Hrs.	105.50
Overtime hours and call out stand-by	Man-hours	994.75	Backhoe Hrs.	55.25
			Dump Truck	48.00
			Bobcat	16
45 services killed	Man-hours	373.00	Backhoe Hrs.	49.25
			Vactor Hrs.	7.50
3 rusty water complaints	Man-hours	3.00		
13 service lines repairs	Man-hours	121.50	Backhoe Hrs.	8.00
6 settings lowered	Man-hours	11.00	Backhoe Hrs.	.50
			Vactor Hrs.	.50
8 settings moved	Man-hours	112.00	Backhoe Hrs.	14.50
9 settings raised	Man-hours	9.00	Backhoe Hrs.	1.00
			Vactor Hrs.	1.00
69 settings repaired	Man-hours	20.25	Backhoe Hrs.	20.25
			Vactor Hrs.	11.00
13 no water calls	Man-hours	13.00		
1 Nipples Set in No Water Call	Man-hours	.30		
39 temporary meter set and removed	Man-hours	74.00		
17 pools Filled	Man-hours	63.75		
66 asphalt prep work	Man-hours	325.25	Backhoe Hrs.	38.00
20 concrete repairs	Man-hours	117.00	Backhoe Hrs.	13.25
136 grade and seeds	Man-hours	183.25	Backhoe Hrs.	54.25
32 vactor work	Man-hours	44.50	Vactor Hrs.	13.50

### **MISCELLANEOUS JOBS**

There were 121 different miscellaneous jobs done by water distribution for a total of 1074.25 labor hours with 250.00 backhoe hours, 18.25 vactor hours, 48.00 dump truck hours: Picked up barricades,

stoned holes, locate shut off for plumber, check holes, met with many contractors and customers over water lines, set up arrow boards for Police Department for parades, set fishing docks, dig out holes for Street Department to hot patch, work gate valves for contractors installing new main lines, and many other miscellaneous jobs too numerous to mention.