

2019

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 2019.

Employees are:

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

Collectively, the Water Distribution Department totals 203 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

Bryan Miller-Waterline Maintenance Technician

Jordan Endicott- Waterline Maintenance Worker III

Jason Ruhlen-Waterline Maintenance Technician Assistant

Michael Knight-Waterline Maintenance Worker III

Jacob Rayle- Waterline Maintenance Worker II

Joe Francis- Waterline Maintenance Worker II

Cameron Freed- Waterline Worker II

Ryan Cates- Waterline Worker II

Maycen Ward- Waterline Worker II

Briar Courtney- Waterline Worker I

DEPARTMENT RESPONSIBILITIES

At the end of 2019 the City of Findlay's Water Distribution Department was responsible for 324.93 miles of city water main. There are 20,234 water service connections, meter settings, and 2,556 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 1994 through 2019, over a twenty five (25) year period, we have added 5,182 new water service connections to our system.

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
2005	271	2018	130
2006	234	2019	117

For the year 2019, 70 – ¾ inch services were installed taking 909.50 man-hours and 107.50 backhoe hours, 4.50 Overtime hours, 26 – 1 inch services were installed taking 277.0 man-hours and 34.0 backhoe hours, 9 -1 ½ inch services were installed taking 220.00 man-hours and 29.0 backhoe hours, 3 overtime hours, 4 - 2inch service were installed taking 130 man-hours, 13 backhoe hours. There were another 8

additional main line taps, 3 – 6” inch, 3 – 8” inch, 1 – 10” inch, 1 – 12” inch services requiring 74.00 man-hours and 9.00 backhoe hours.

WATER SERVICE RENEWALS



A total of 203 water services were renewed taking 2310 man-hours and 310.25. backhoe hours. There were 188 – ¾ inch services, 13 – 1 inch service, 2 – 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 1994 to 2019:

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
2005	6507	2018	7788
2006	6748	2019	8481

This figures out to be 33.78 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 74 labor hours used to collect 71 bacteria samples this year.

METER SHOP REPAIRS, TESTING, Field Testing large Meters

Large Meters	3	Man-hours 11.00
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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 2020

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

Continue locating and exercise valves.

Continue the leak detection survey.

Continue painting 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 8 different sites	Man-hours	12.00	Backhoe Hrs.	1.5
3 gates installed	Man-hours	18.00	Backhoe Hrs.	2.0
23 gate box repairs	Man-hours	59.50	Backhoe Hrs. Vactor Hrs.	1.00 5.75
6 gate valves repaired	Man-hours	71.50	Backhoe Hrs.	7.50
14 fire hydrants installed or replaced	Man-hours	179.00	Backhoe Hrs. Vactor Hrs.	18.50 3.00
17 fire hydrants repaired	Man-hours	146.50	Backhoe Hrs. Vactor Hrs.	2.00 1.00
4 fire hydrants checked for damage	Man-hours	2.75	Backhoe Hrs.	0
20 hydrants checked for leaks	Man-hours	43.75	Backhoe Hrs. Vactor Hrs.	1 1
298 Hydrant cleaned and painted	Man-hours	904.00	Bobcat Hrs.	112
6 meter lids replaced	Man-hours	9.00	Backhoe Hrs.	.50
11 hydrant flow test	Man-hours	27.00		
81 broken mains varying in sizes From 1 inch and up. Includes regular hours, overtime hours and call out stand-by hours.	Man-hours	1353.50	Backhoe Hrs. Vactor Hrs.	118.00 22.00
80 leaks checked out	Man-hours	190.95	Backhoe Hrs. Vactor Hrs.	12 1.00
10 meters set in	Man-hours	19.00	Vactor Hrs.	1.00
2 meter reductions	Man-hours	4.50		
0 meter increased	Man-hours	0		
0 meters taken out	Man-hours	0	Vactor Hrs.	0

2 meters changed	Man-hours	10.00	Vactor Hrs.	0
22 pressure checks	Man-hours	54.50	Vactor Hrs	1.00
7 turn on service	Man-hours	.50		
70 turn off for repairs	Man-hours	84.00	Backhoe Hrs.	122.25
			Vactor Hrs.	7.00
	Overtime Hrs.	152.75	Overtime Vactor	7.00
Overtime hours and call out stand-by	Man-hours	1088.00	Backhoe Hrs.	25.50
			Vactor	4.00
20 services killed	Man-hours	148.00	Backhoe Hrs.	20.50
			Vactor Hrs.	5.00
34 rusty water complaints	Man-hours	48.25	Vactor Hrs.	0
12 service lines repairs	Man-hours	128.00	Backhoe Hrs.	10.00
			Vactor Hrs.	4.50
5 settings lowered	Man-hours	18.00	Backhoe Hrs.	2.00
5 settings moved	Man-hours	52.50	Backhoe Hrs.	7.00
14 settings raised	Man-hours	27.25	Backhoe Hrs.	2.50
40 settings repaired	Man-hours	96.25	Backhoe Hrs.	11.50
			Vactor Hrs.	3.25
24 no water calls	Man-hours	40.00	Backhoe Hrs.	.50
10 Nipples Set in No Water Call	Man-hours	1.00	Overtime Hrs.	36.00
34 temporary meter set and removed	Man-hours	58.00		
19 pools Filled	Man-hours	67.75		
62 asphalt prep work	Man-hours	527.00	Backhoe Hrs.	38.00
280 concrete repairs	Man-hours	153.50	Backhoe Hrs.	14.50
38 grade and seeds	Man-hours	142.25	Backhoe Hrs.	37.95
7 vactor work	Man-hours	9.00	Vactor Hrs.	2.40
45 Backflows Tested	Man-hours	46.00		

MISCELLANEOUS JOBS

There were 131 different miscellaneous jobs done by water distribution for a total of 643.90 labor hours with 45.25 backhoe hours, 15.00 vactor 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. All these working hours breaks down to 6973.75 labor hours, 713.75 backhoe hours, 50.40 vactor hours of preventive maintenance. Then 5608.85 labor hours, 508.70 backhoe hours, 56.00 vactor hours of corrective maintenance.