

2018

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 2018.

Employees are:

- 1 Maintenance Supervisor
- 1 Secretary
- 1 Waterline Maintenance Worker III
- 3 Waterline Maintenance Workers III
- 4 Waterline Maintenance Workers II
- 2 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

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

Jacob Rayle- Waterline Maintenance Worker II

Joe Francis- Waterline Maintenance Worker II

Cameron Freed- Waterline Worker II

Maycen Ward- Waterline Worker I

Aaron Hutton- Waterline Worker I

DEPARTMENT RESPONSIBILITIES

At the end of 2018 the City of Findlay's Water Distribution Department was responsible for 325.31 miles of city water main. There are 20,161 water service connections, meter settings, and 2,505 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 1993 through 2018, over a twenty five (25) year period, we have added 5,306 new water service connections to our system.

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
2005	271	2018	130

For the year 2018, 70 – ¾ inch services were installed taking 998 man-hours and 109.50 backhoe hours, 37 – 1 inch services were installed taking 392 man-hours and 40.25 backhoe hours, 3 -1 ½ inch services

were installed taking 29 man-hours and 2.50 backhoe hours, 6 - 2 inch service were installed taking 134.50 man-hours, 7.50 overtime man-hours 10.50 backhoe hours. There was another 14 additional main line taps, 3 - 4" inch, 6 - 6" inch, 4 - 8" inch, 1 - 12" inch services requiring 57.50 man-hours and 13.50 backhoe hours.

WATER SERVICE RENEWALS



A total of 292 water services were renewed taking 2490.50 man-hours with 4.5 hour of overtime and 358.50 backhoe hours and 2.75 hours of vactor truck. There were 232 - ¾ inch services, 37 - 1 inch service, 1 - 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 1993 to 2018:

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
2005	6507	2018	7788

This figures out to be 31.02 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 124 labor hours used to collect 84 bacteria samples this year.

METER SHOP REPAIRS, TESTING, Field Testing large Meters

Tested	288	
Repaired	168	
Sent Back	212	
Large Meters	6	Man-hours 18.50

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 2019

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 annual large meter test and repair program.

Continue the leak detection survey.

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 10 different sites	Man-hours	14.00	Backhoe Hrs.	1.0
3 gates installed	Man-hours	39.50	Backhoe Hrs.	3.0
39 gate box repairs	Man-hours	111.00	Backhoe Hrs. Vactor Hrs.	3.00 24.00
13 gate valves repaired	Man-hours	291.00	Backhoe Hrs. Vactor Hrs.	33.50 2.00
6 fire hydrants installed or replaced	Man-hours	136.00	Backhoe Hrs. Vactor Hrs.	16 5.50
58 fire hydrants repaired	Man-hours	269.00	Backhoe Hrs. Vactor Hrs.	11.25 1.50
11 fire hydrants checked for damage	Man-hours	10.45	Backhoe Hrs.	0
7 hydrants checked for leaks	Man-hours	39.75	Backhoe Hrs.	3
706 Hydrant cleaned and painted	Man-hours	398.50	Bobcat Hrs.	76
3 hydrants pumped	Man-hours	4.50		
14 meter lids replaced	Man-hours	12.25	Backhoe Hrs.	.75
19 hydrant flow test	Man-hours	33.50		
73 broken mains varying in sizes From 1 inch and up. Includes regular hours, overtime hours and call out stand-by hours.	Man-hours	1788.00	Backhoe Hrs. Vactor Hrs.	142.00 2.50
78 leaks checked out	Man-hours	220.50	Backhoe Hrs. Vactor Hrs.	3.25 8.00
2 meters set in	Man-hours	1.50		
1 meter reductions	Man-hours	1.50		
1 meter increased	Man-hours	3.00		

0 meters taken out	Man-hours	0	Vactor Hrs.	0
1 meters changed	Man-hours	9	Vactor Hrs.	0
35 pressure checks	Man-hours	54.00		
14 turn on service	Man-hours	16.50		
75 turn off for repairs regular hours,	Man-hours	84.00	Overtime Hrs.	122.25
Overtime hours and call out stand-by	Man-hours	935.90	Backhoe Hrs. Bobcat	7.00 76.00
20 services killed	Man-hours	204.50	Backhoe Hrs. Vactor Hrs.	24.00 .50
53 rusty water complaints	Man-hours	79.50	Vactor Hrs.	.25
20 service lines repairs	Man-hours	183.50	Backhoe Hrs. Vactor Hrs.	8.00 2.00
4 settings lowered	Man-hours	23.50	Backhoe Hrs. Vactor Hrs.	3.00 1.00
10 settings moved	Man-hours	107.50	Backhoe Hrs.	13.50
14 settings raised	Man-hours	33.50	Backhoe Hrs. Vactor Hrs.	1.00 .50
43 settings repaired	Man-hours	147.75	Backhoe Hrs. Vactor Hrs.	15.00 7.75
33 no water calls	Man-hours	59.25		
0 Nipples Set in No Water Call	Man-hours	0		
34 temporary meter set and removed	Man-hours	64.75		
13 pools Filled	Man-hours	54.75		
0 asphalt prep work	Man-hours	0	Backhoe Hrs.	0
8 concrete repairs	Man-hours	31.00	Backhoe Hrs.	3.50
99 grade and seeds	Man-hours	117.00	Backhoe Hrs.	35.75
22 vactor work	Man-hours	31.50	Vactor Hrs.	11.75

MISCELLANEOUS JOBS

There were 123 different miscellaneous jobs done by water distribution for a total of 564 labor hours with 60.00 backhoe hours, 15.50 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.