

2014

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 13 full time employees at the end of 2014.

Employees are:

- 1 Maintenance Supervisor
- 1 Secretary
- 3 Waterline Maintenance Workers III
- 3 Waterline Maintenance Workers II
- 3 Waterline Maintenance Workers I
- 1 Waterline Maintenance Technician
- 1 Water Meter Technician

Collectively, the Water Distribution Department totals 199 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 Worker II / Meter Technician

Mike Rader-Waterline Maintenance Technician

Jordan Endicott- Waterline Maintenance Worker II

Casey Glick-Waterline Maintenance Worker II

Jason Ruhlen-Waterline Maintenance Worker II

Michael Knight-Waterline Maintenance Worker I

Travis Bohn- Waterline Maintenance Worker I

Jacob Rayle- Waterline Maintenance Worker I

Retirements

Larry Pocock w/23 years of service

DEPARTMENT RESPONSIBILITIES

At the end of 2014 the City of Findlay's Water Distribution Department was responsible for 309.32 miles of city water main. There are 19,325 water service connections, meter settings, and 2,415 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 1989 through 2014, over a twenty five (26) year period, we have added 5,348 new water service connections to our system.

1989	140	2002	316
1990	186	2003	242
1991	187	2004	275
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

For the year 2014, 69 – ¾ inch services were installed taking 750 man-hours and 100.25 backhoe hours, 44 – 1 inch services were installed taking 289 man-hours and 48 backhoe hours, 1 - 1 ½ inch service was installed taking 60 man-hours and 8 backhoe hours, 2 - 2 inch service was installed taking 39 man-hours and 8 backhoe hours. There was another 11 additional main line taps, 2 – 4 inch, 2 – 6 inch, 3 – 8” inch, 2 – 10” inch and 2 – 12” inch services requiring 49.50 man-hours and 8.50 backhoe hours.

WATER SERVICE RENEWALS



A total of 64 water services were renewed taking 750 man-hours and 109 backhoe hours. There were 61 – ¾ inch services, 1 – 1 inch service and 1 – 2” inch service.

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 via the fax machine and we in turn notify other city departments as needed.

Growth in locates from 1989 to 2014:

1989	222	2002	5960
1990	784	2003	5146
1991	1217	2004	6079
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

This figures out to be 28.03 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 89 bacteria samples collected this year.

METER SHOP REPAIRS, TESTING, Field Testing large Meters

Tested	239
Repaired	251
Junked	23
Sent Back	821

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.

METER CHANGES

The Water Distribution Department changed a total of 2 meters in 2014 for use with the new meter reading system. These activities took 4.50 hours of labor and .75 hours of vector to accomplish.

GOALS FOR 2015

Continue maintenance of the new Badger Meter Galaxy meter reading system.

Continue to update all waterline maps in house for future reference for GIS and EPA Net 2 for water hydraulics.

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 for ca

I would like to thank the employees of the Water Distribution Staff, who work diligently in providing clean safe drinking water. Along with helping in storm disaster cleanup and snow removal our Water Distribution employees provide an excellent service to our community. Thank you to our Administrative Assistant, Maintenance Workers and locator.

Thank You,

Jeff Betts

Water Distribution Supervisor

LIST OF DEPARTMENTAL ACTIVITIES PERFORMED

Cold Mix repairs temporary patch to street excavations 22 different sites	Man-hours	30.50	Backhoe Hrs.	10.25
1 gates installed	Man-hours	4.50	Backhoe Hrs.	1
52 gate box repairs	Man-hours	115.25	Backhoe Hrs. Vactor Hrs.	2.50 16
13 gate valves repaired	Man-hours	220.50	Backhoe Hrs. Vactor Hrs.	26.50 2.00
4 fire hydrants installed or replaced	Man-hours	62	Backhoe Hrs. Vactor Hrs.	12 2
39 fire hydrants repaired	Man-hours	183.25	Backhoe Hrs.	13.25
9 fire hydrants checked for damage	Man-hours	7		
12 hydrants checked for leaks	Man-hours	13.75		
15 hydrants pumped	Man-hours	15.50		
12 meter lids replaced	Man-hours	16.50	Vactor Hrs.	2
14 hydrant flow test	Man-hours	18.50		
84 broken mains varying in sizes From 1 inch and up. Includes regular hours, overtime hours and call out stand-by hours.	Man-hours	1384.25	Backhoe Hrs. Vactor Hrs. Bobcat Hrs.	204 4 2
123 leaks checked out	Man-hours	173.50	Backhoe Hrs. Vactor Hrs.	7 1.25
4 meters set in	Man-hours	5		
2 meter reductions	Man-hours	3.50		
12 meters taken out	Man-hours	28	Vactor Hrs.	.50
2 meters changed	Man-hours	4.50	Vactor Hrs	.75
13 pressure checks	Man-hours	14		

18 turn on service	Man-hours	16.50	Vactor Hrs.	1.50
101 turn off for repairs regular hours,	Man-hours	87.70	Backhoe Hrs.	4.15
Overtime hours and call out stand-by	Man-hours	1157.50	Backhoe Hrs. Vactor Hrs.	166 5.50
26 services killed	Man-hours	189.75	Backhoe Hrs. Vactor Hrs.	31.25 3.25
8 rusty water complaints	Man-hours	7.75		
5 service lines repairs	Man-hours	55.50	Backhoe Hrs.	9
6 settings lowered	Man-hours	50	Backhoe Hrs. Vactor Hrs.	2.25 9.25
8 settings moved	Man-hours	68	Backhoe Hrs.	8
8 settings raised	Man-hours	9.75		
52 settings repaired	Man-hours	144	Backhoe Hrs. Vactor Hrs.	14 6.25
152 no water calls	Man-hours	422.75	Backhoe Hrs. Welder Hrs.	38.45 76.50
92 nipples installed	Man-hours	Included in no water call total		
34 temporary meter set and removed	Man-hours	58		
15 pools Filled	Man-hours	51.50		
56 asphalt prep work	Man-hours	172		
26 concrete repairs	Man-hours	144.50	Backhoe Hrs. Dump Truck Hrs.	16.50 16.50
131 grade and seeds	Man-hours	234.25	Backhoe Hrs.	54
25 vactor work	Man-hours	46.25	Vactor Hrs.	15.50

MISCELLANEOUS JOBS

There were 156 different miscellaneous jobs done by water distribution for a total of 362 labor hours with 42.75 backhoe hours, 3 vactor hours, and 5.50 hours used with the welder: 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.

