

2013

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 12 full time employees at the end of 2013.

Employees are:

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

Collectively, the Water Distribution Department totals 197 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

Larry Pocock-Waterline Maintenance Worker II / Technician Assistant

Bryan Miller-Waterline Maintenance Worker II

Mike Rader-Waterline Maintenance Technician

Jordan Endicott- Waterline Maintenance Worker II

Kyle Jordan -Waterline Maintenance Worker II

Casey Glick-Waterline Maintenance Worker II

Jason Ruhlen-Waterline Maintenance Worker I

Retirements

Tim Frysinger w/26 years of service

DEPARTMENT RESPONSIBILITIES

At the end of 2013 the City of Findlay's Water Distribution Department was responsible for 307.65 miles of city water main. There are 19,200 water service connections, meter settings, and 2,389 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 2013, over a twenty five (25) 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		

For the year 2013, 70 – ¾ inch services were installed taking 714.50 man-hours and 117.25 backhoe hours, 14 – 1 inch services were installed taking 114.50 man-hours and 14.50 backhoe hours, 1 - 1 ½ inch service was installed taking 6 man-hours and 0 backhoe hours, 1 - 2 inch service was installed taking 4.50 man-hours and 0 backhoe hours. There was another 11 additional main line taps, 1 – 4 inch, 4 – 6 inch and 6 – 8” inch requiring 67 man-hours and 11.50 backhoe hours.

WATER SERVICE RENEWALS



A total of 54 water services were renewed taking 495 man-hours and 78.25 backhoe hours. There were 51 – ¾ inch services, 3 – 1 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 via the fax machine and we in turn notify other city departments as needed.

Growth in locates from 1989 to 2013:

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		

This figures out to be 26.9 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 30 bacteria samples collected this year.

METER SHOP REPAIRS AND TESTING

Tested	253
Repaired	278
Junked	1
Sent Back	579

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 2013 for use with the new meter reading system. These activities took 2.50 hours of labor and .50 hours of vector to accomplish.

GOALS FOR 2014

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.

Over see an ongoing corrosion control project being done through the Engineering Department.

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 11 different sites	Man-hours	19	Backhoe Hrs	5.50
60 gate box repairs	Man-hours	129.75	Backhoe Hrs. Vactor Hrs	4 22.75
19 gate valves repaired	Man-hours	247	Backhoe Hrs. Vactor Hrs	24 2.25
11 fire hydrants installed or replaced	Man hours	87	Backhoe Hrs.	9
31 fire hydrants repaired	Man-hours	112	Backhoe Hrs.	2.20
5 fire hydrants checked for damage	Man hours	3.50		
0 customers new water service line installation inspections	Man hours	0		
13 meter lids replaced	Man hours	11.50		
79 broken mains varying in sizes from 1 inch and up. Includes regular hours, overtime hours and call out stand-by hours	Man-hours	920	Backhoe Hrs. Vactor Hrs.	146.50 4.50
89 leaks checked out	Man-hours	150.25	Backhoe Hrs. Vactor Hrs.	11 .50
9 meters set in	Man-hours	6.25		
1 meter reductions	Man-hours	3		
10 meters taken out	Man-hours	15.25		
2 meters changed	Man-hours	2.50	Vactor Hrs	.50
14 pressure checks	Man-hours	12.00		
6 turn on service	Man-hours	4.25		
52 turn off for repairs regular hours,	Man-hours	44		
Overtime hours and call out stand-by	Man-hours	709.70	Backhoe Hrs.	57
22 services killed	Man-hours	191.50	Backhoe Hrs. Vactor Hrs.	21.50 2.50

15 rusty water complaints	Man-hours	16.75		
11 service lines repairs	Man-hours	7.50	Backhoe Hrs.	2
9 settings lowered	Man-hours	16	Backhoe Hrs.	.50
8 settings moved	Man-hours	53	Backhoe Hrs.	7
6 settings raised	Man-hours	10	Vactor Hrs.	.50
32 settings repaired	Man-hours	83.25	Backhoe Hrs.	8.75
			Vactor Hrs.	4.50
5 no water calls	Man-hours	4.75		
8 nipples installed	Man-hours	Included in no water call total		
31 Temporary meter set and removed	Man-hours	51		

MISCELLANEOUS JOBS

There were 106 different miscellaneous jobs done by water distribution for a total of 1039.25 labor hours with 105.00 backhoe hours, 6.50 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.