



PAINESVILLE WATER DIVISION

March 2012

OVERVIEW AND HIGHLIGHT

The Painesville Water Division had two water main breaks for the month of March 2012. One of the breaks was in Concord Township, while the other was located within the City of Painesville. A 35 year old 8" asbestos cement main installed in 1977 on Trailwood Dr. was discovered with a hole in it that was caused by corrosion. One repair clamp was used to make the repair at 465 Trailwood Dr. The main break in Concord Township was on a 24 year old 8" ductile iron main installed in 1988. One clamp was used to repair the hole in the main at 11390 Big Creek Ct. This break was also due to corrosion.

The City of Painesville Water Division replaced one hydrant in the month of March. The hydrant was located on Girdled Rd. at Timberlane Dr. in Concord Township. This hydrant was struck by a vehicle and was extensively damaged. A bill was sent to the person who was operating the vehicle that struck the hydrant. The City of Painesville assumed no cost for the hydrant, equipment, or man-hours involved in the replacement of this hydrant. There were also two hydrants repaired in Concord Township.

There were also eight new service lines installed in the month of March. There were five new services installed in the City of Painesville, and the three additional service lines installed were in Concord Township. Water Distribution abandoned one galvanized 2" service, which was leaking in the City of Painesville on N. State St. at Rockwood Dr.

Goals achieved

1. Water Distribution and Water Plant - To produce safe potable water that meets and exceeds all federal, state, and local regulations. (Stewardship and Customer Service)

Actions - All leaks were repaired

Actions – Continue abandoning service lines, which are no longer needed.

Actions- Spoke with different representatives of the Ohio EPA on several occasions.

Action- Sent Ohio EPA state reports to different representatives of the Ohio EPA to ensure compliance.

Action - T.O.C. phosphate and nitrate collected and sent to Alloway for monthly compliance.

2. Water Distribution and Water Plant - Optimize operations (Customer Service and Communication)

Action - Distribution employees working in Lab and Plant operations.

Action- Distribution employees Bruce Hook and Leonard Crosby are helping with plant maintenance and plant employee Edward Bardall is helping with maintenance at tanks and pump stations.

Action –2011 Consumer Confidence Report will be sent to all consumers early April.

Action – Performing additional water quality testing at Valleyview Dr. to attempt to determine a long term solution. (Dead-end area in distribution system)

Action- Readjusted points on backwash pump to alter amount of water being used for backwash.

Action- Beginning to cross-train employees Terrance Baideme and Carmen Campana as assistant engineering technicians.

3. Water Distribution and Water Plant – Organize maintenance programs to efficiently operate Painesville’s Water Division. (Stewardship and Improving Painesville’s image)

Action - Monthly laboratory quality controls on all laboratory equipment

Action - Cleaned #4 floc basin.

Action- Remove and replaced motor in #4 floc .

Action- Repaired Low Service #1 check valve leak.

Action- Installed new motor on vacuum primer compressor

Action- Repaired sludge pump rail bracket and made improvements to installation of sludge pump and motor.

4. Water Distribution and Water Plant - Continue to provide a skilled and proficient staff to the community. (Customer Service, Communication, and Community Engagement)

Action - Requested and received backflow tests from customers.

Action - Performed new service line inspections.

Action - Sent 4 employees to Alloway Environmental Laboratories for free continuing education courses. (4 hours)

Action - Reviewing waterline projects and performing routine inspections on these projects.

5. Water Distribution and Water Plant - Improve Management/Labor relations (Communication)

Action - Meet with employees every morning.

Action - Monthly safety meetings with employees at Light Plant regarding electrical Hazards and slips trips and falls.

Action - Susan Fuerst attended all Lake County Safety Council meetings and meets with superintendent on regular basis concerning all matters regarding the Lake County Safety Council.

Action - Performed routine maintenance and flushed eye wash and shower stations

CITY OF PAINESVILLE WATER PLANT MONTHLY REPORT

Pumpage, Turbidity & Chemical Use

MARCH 2012

Pumpage (MG)

Finished Flow 86.39
 Raw Flow 91.26
 Wash Water 1.59
 Plant Usage Service water 3.06

Turbidity

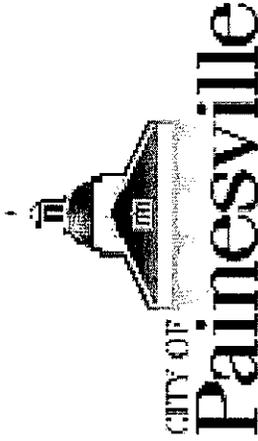
Average Raw 22.30
 Average Applied 1.98
 Average Tap 0.10

Chemicals Use (LBS)

Alum 15778
 Zinc OrthoPhosphate 1970
 Potassium Permanganat 0
 Fluoride 944
 Chlorine 2031
 Cationic Polymer 75
 Caustic * 1327

Chemical Use Dosage (mg/L)

Alum 20.73
 Zinc OrthoPhosphate 2.59
 Potassium Permanganat 0.00
 Fluoride 65% 0.76
 Chlorine 2.67
 Cationic Polymer 0.10
 Caustic * 1.74



Chemical	Price / lb	Total Chem Cost	Cost / MG
Alum	\$ 0.14905	\$ 2,351.71	\$ 25.77
Zinc OrthoPhosphate	\$ 0.5570	\$ 1,097.29	\$ 12.02
Potassium Permanganate	\$ 2.9800	\$ -	\$ -
Fluoride 65%	\$ 0.4250	\$ 401.20	\$ 4.40
Chlorine	\$ 0.2390	\$ 485.41	\$ 5.32
Cationic Polymer	\$ 0.5600	\$ 42.00	\$ 0.46
Caustic *	\$ 0.4200	\$ 557.34	\$ 6.11
TOTAL	\$ 5.33	\$ 4,934.95	\$ 54.08

AVERAGE CHEMICAL COST/MG FINNISHED \$ 57.13
 AVERAGE CHEMICAL COST/MG \$ 54.08
 AVERAGE DAILY CHEMICAL COST \$ 159.19
 TOTAL CHEMICAL COST FOR THE MONTH \$ 4,934.95



DIVISION OF WATER
MARCH 2012 REPORT
 ALL FLOW IN MILLION GALLONS

	Last Year To Date	This Year To Date	This Month Last Year	This Month
Finished Water Pumped to System (Million Gallons)	278.93	259.385	88.788	86.385
Water Purchased from AquaOhio	3.226	4.463	0.998	2.095
Water Sold to AquaOhio	0.005	0.000	0.000	0.000
Chestnut Pump Station	65.032	67.491	21.792	22.435
Crile Pump Station	31.420	37.272	10.851	12.246
Hermitage Pump Station	0.235	0.3880	0.083	0.212
New Service City	4	5	0	5
New Service Outside City	6	7	2	3
Abandon Service City	0	3	0	1
Abandon Service Outside City	0	0	0	0
Service Line Replaced With Copper Or Plastic	1-C.	0	0	0
Footage New Main Installed City	0	3,279' of 8" C909 37' of 6" C909	0	0
Footage New Main Installed Out of City	0	0	0	0
Hydrants Repaired	5	4	1	2
New Hydrants installed	1	1	1	1

Water Main Breaks:

- 3-7-12 - Hole on 8" D.I. water main at 11390 Big Creek Ct. (Concord)
- 3-12-12 - Hole on 8" A.C. water main at 465 Trailwood Dr. (City)

Miscellaneous:

- 3-1-12 - Replaced hydrant on Girdle Rd. at Timberlane Dr. (Concord)
- 3-9-12 - Abandone 2" Galvonize line on N. State St. at Rockwood Dr. (City) 45 Backflow Tested
- 3-21-12 - Repaired valve box at 981 Newell St. (Pain. Town) 8 Service line inspections
- 3-22-12 - Repaired 3/4" service on Morrell Ave. At Carson Ave. (Grand River) 116 O.U.P.S Tickets completed
- 3-30-12 - Repaired 3/4" Galvonize line on Canfield Dr. at Owego Ave. (City)

Prepared paperwork and notebooks for 2012 Flushing program

Located and checked valves for 2012 Flushing program

George P. Ginnis	Water Division Superintendent
Mark Connor	Water Distribution Supervisor
Frank Mckeon	Water Treatment Plant Chief Operator