



PAINESVILLE WATER DIVISION

May 2012

OVERVIEW AND HIGHLIGHT

The Painesville Water Division had two water main breaks for the month of May 2012. Both of the breaks were in Concord Township. A 24 year old 8" ductile iron main installed in 1988 on Mourning Dove Pl. was discovered with a hole in it, which was caused by corrosion. One clamp was used to repair a 28 year old main installed in the year 1984 at 7121 Pinehill Dr. This break occurred due to corrosion.

The City of Painesville Water Division repaired twelve hydrants in the month of May. There was also one hydrant replaced by Water Distribution.

There were eight new service lines installed in the month of May. There were six new services installed in the City of Painesville and two additional service lines installed in Concord Township. Water Distribution also repaired a 2" galvanized line in the City of Painesville, and two ¾" copper service lines; one line in The City of Painesville and the other in Concord Township. There was repair done to a 8" gate valve which consisted of the packing bolts being replaced in Concord Township

The City of Painesville Water Division completed the 2012 Uni-Directional Flushing on May 2nd.

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 Ohio EPA representatives on multiple 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.

Action – Analyzing the current Lead and Copper testing plan to ensure compliance for 2012.

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 –Raw water differential pressure transmitter cell was calibrated to ensure accuracy.

Action- Made repairs to Alum fill line outside the water treatment facility.

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

Action- Began cross-training newly hired employee Ryan Tiedman as an operator/maintenance technician.

Action- Installed a new pressure switch on compressor number two.

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 – Hired Lake Erie Diving to secure buoy to the crib intake structure.

Action- Repaired the raw water sample line entering the laboratory.

Action- Cleaned and made minor repairs to the backwash pump including the Differential Pressure Transmitter Cell supply line.

Action- Performed a CL2 room inspection to ensure safe efficient operations.

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 - Monthly safety meetings with employees.

Action – Frank McKeon, Danine Schultz and George P. Ginnis attend American Water Works Northeast District Meeting that included guidance about filter expansion monitors, pump operations, and Ohio EPA rules updates.

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 - 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- Had safety meeting about Man-down training device at the water treatment facility.

Action- Sent 8 Water Distribution employees to a Work Zone Safety course sponsored by AMP Ohio and the Painesville Electric Department.



DIVISION OF WATER
May 2012 REPORT
 ALL FLOW IN MILLION GALLONS

**Finished Water Pumped to System
 (Million Gallons)**

Water Purchased from AquaOhio

Water Sold to AquaOhio

Chestnut Pump Station

Crile Pump Station

Hermitage Pump Station

	Last Year To Date	This Year To Date	This Month Last Year	This Month
	367.93	348.231	102.888	88.846
	5.341	6.634	1.133	1.194
	0.006	0.000	0.001	0.000
	110.856	126.880	24.902	36.382
	57.029	75.566	14.659	24.695
	0.335	1.2398	0.012	0.548
New Service City	11	14	3	6
New Service Outside City	13	12	5	2
Abandon Service City	1	3	0	0
Abandon Service Outside City	1	0	0	0
Service Line Replaced With Copper Or Plastic	3-C.	3-C	0	0
Footage New Main Installed City	0	3,744' of 8" C909 37' of 6" C909	0	465' of 8" C909
Footage New Main Installed Out of City	0	0	0	0
Hydrants Repaired	14	22	4	12
New Hydrants installed	2	3	0	1

Water Main Breaks:

5-16-12- Mourning Dove Pl., Hole in 8" D.I. pipe

(Concord)

5-18-12- 7121 Pinhill Dr., Hole in 8" D.I. pipe

(Concord)

Miscellaneous:

Repaired 12 hydrants

Installed 8 new service lines

Completed Unidirectional Flushing

5-9-12- Repaired leaking 3/4" line copper at 11414 Palmer Rd.

(Concord)

5-15-12- Repaired 2' Galvonize pipe at 515 Blair Pl.

(City)

5-22-12- Replaced hydrant at 687 Lucille Ave.

(City)

5-24-12- Repaired leaking 3/4" line at 556 Southington Blvd.

(City)

5-29-12- Replaced packing bolts in valve on Bridlewood at Alexander

(Concord)

83 Backflow Tested

6 Service line inspections

131 O.U.P.S Tickets completed

George P. Ginnis
Mark Connor
Frank Mckeon

Water Division Superintendent
Water Distribution Supervisor
Water Treatment Plant Chief Operator

CITY OF PAINESVILLE WATER PLANT MONTHLY REPORT

Pumpage, Turbidity & Chemical Use

MAY 2012

Pumpage (MG)

Finished Flow 110.67
 Raw Flow 115.65
 Wash Water 1.96
 Plant Usage Service water 2.78

Turbidity

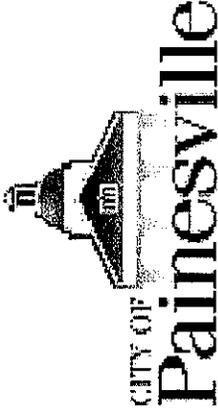
Average Raw 11.26
 Average Applied 1.36
 Average Tap 0.08

Chemicals Use (LBS)

Alum 16848
 Zinc OrthoPhosphate 2655
 Potassium Permanganat 214
 Fluoride 65% 1306
 Chlorine 2785
 Cationic Polymer 7
 Caustic * 0

Chemical Use Dosage (mg/L)

Alum 17.47
 Zinc OrthoPhosphate 2.75
 Potassium Permanganat 0.22
 Fluoride 65% 0.83
 Chlorine 2.89
 Cationic Polymer 0.01
 Caustic * 0.00



Chemical	Price / lb	Total Chem Cost	Cost / MG
Alum	\$ 0.14905	\$ 2,511.19	\$ 21.71
Zinc OrthoPhosphate	\$ 0.5570	\$ 1,478.84	\$ 12.79
Potassium Permanganate	\$ 2.9800	\$ 637.72	\$ 5.51
Fluoride 65%	\$ 0.4250	\$ 555.05	\$ 4.80
Chlorine	\$ 0.2390	\$ 665.62	\$ 5.76
Cationic Polymer	\$ 0.5600	\$ 3.92	\$ 0.03
Caustic *	\$ 0.4200	\$ -	\$ -
TOTAL	\$ 5.33	\$ 5,852.33	\$ 50.61

AVERAGE CHEMICAL COST/MG FINNISHED \$ 52.88
 AVERAGE CHEMICAL COST/MG \$ 50.61
 AVERAGE DAILY CHEMICAL COST \$ 188.78
 TOTAL CHEMICAL COST FOR THE MONTH \$ 5,852.33