



City of Flint Water System Facts

Over 600 Miles of Distribution
Mains

Over 7000 Valves
Over 3909 Hydrants

Over 46,000 users in 2006
Only 31,000 users in 2014



What Can Impact Water Quality ?

- Condition of source water
- Temperature
- Organic material
- Retention time in system
- Low flow
- Dead ends
- Main Breaks
- Repairs



Quality Indicators

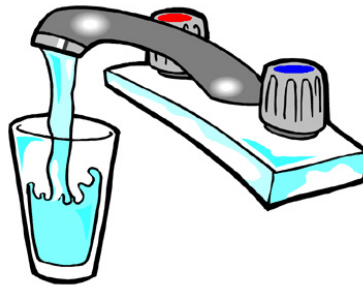
- ❖ Chlorine residual
- ❖ Total coliforms



Flint River
vs.
DWSD

CITY TESTING

- ❑ 10 test sites around the city
- ❑ Tests are performed manually 2 – 3 times a week
- ❑ Over 100 Tests are performed a month
- ❑ **All** tests are reported to the DEQ for oversight
- ❑ Tests are performed **EVERY** four hours inside the Plant
- ❑ The City responds to and tests all reported concerns



Michigan DEQ State License Types

Complete Treatment

Limited Treatment

Distribution

F-1

F-2

F-3

F-4

D-1

D-2

D-3

D-4

S-1

S-2

S-3

S-4

Recent Boil Water Advisories in MICHIGAN

LOCATION	DATE	CAUSE
Edwardsburg / Lunker	Nov 12, 2014	Fire
Superior Township	May 03, 2014	Main Break
Benton Harbor	Jan 9, 2014	Water Pressure
Union Township	Nov 6, 2013	Main Break
Charlevoix	August 7, 2013	Pressure Loss
Novi	Feb 13, 2013	Pressure Loss
Muskegon Heights	Nov 17, 2012	Main Break
Commerce Township	Dec 6, 2010	Depressurization



City of Flint Contacts

Public Works Director
Utilities Administrator
Plant Supervisor
F-1 Operator in Charge
S-1 Operator in Charge

Howard Croft – hcroft@cityofflint.com
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Phone Numbers

City of Flint Treatment Plant
Public Works Director
Utilities Administrator
EPA Safe Drinking Water Hotline

810-787-6537
810-766-7346 x 2403
810-766-7135 x 2602
1-800-426-4791