



2019 Annual Utilities Report



Water Quality

- Our system is operated by James and James
- It is routinely tested
- An annual consumer confidence report is made available to all users in April based on the previous year's data
- Per Dr. H2O, our water is delicious!

Lead and Copper Contaminants

Contaminant (units)	Sample Date	Your Water	Number of sites found above the AL	MCLG	AL	Likely Source of Contamination
Copper (ppm) (90 th percentile)	9-2014	<0.050	0	1.3	AL=1.3	Corrosion of household plumbing systems; erosion of natural deposits
Lead (ppb) (90 th percentile)	9-2014	<3	0	0	AL=15	Corrosion of household plumbing systems; erosion of natural deposits

Radiological Contaminants

Contaminant (units)	Sample Date	MCL Violation Y/N	Your Water	Range		MCLG	MCL	Likely Source of Contamination
				Low	High			
Alpha emitters (pCi/L)	1-31-12	N	1.0	N/A		0	15	Erosion of natural deposits
Uranium (pCi/L)	1-31-12	N	0.4	N/A		0	20.1	Erosion of natural deposits

* Note: The MCL for beta/photons emitters is 4 mrem/year. EPA considers 50 pCi/L to be the level of concern for beta particles.

Disinfectant Residuals Summary

	Year Sampled	MRDL Violation Y/N	Your Water (highest RAA)	Range		MRDLG	MRDL	Likely Source of Contamination
				Low	High			
Chlorine (ppm)	2016	N	0.32	0.23	0.47	4	4.0	Water additive used to control microbes

Stage 2 Disinfection Byproduct Compliance - Based upon Locational Running Annual Average (LRAA)

Disinfection Byproduct	Year Sampled	MCL Violation	Your Water (highest LRAA)	Range		MCLG	MCL	Likely Source of Contamination
				Low	High			
TTHM (ppb)	2 0 1 4	N	3.1	N/A		N/A	80	Byproduct of drinking water disinfection
Location (Ex. B01)								
HAA5 (ppb)	2 0 1 4	N	ND	N/A		N/A	60	Byproduct of drinking water disinfection
Location (Ex. B01)								

04/2015

Water Usage

- Our tank is 100K gallons and our pump rate is 80 gpm
- Individual homeowner water usage is not measured
- We measure total water usage a means of determining if there are potential system leaks
- Our current usage rate is approximately 7500 gallons per day
 - Increase from 5000 gallons per day
 - May be due to increased Inn utilization



Wastewater Compliance

- Our system is operated by James and James
- Our discharge to the local Catawba River is monitored 5 days a week
- We have had zero fines and non compliances in 2019
- No major equipment failures
 - Minor clog in clarifier & blockage in aeration basin in February
 - REMC damaged effluent lines in August but paid for repairs



James and James Status

- Potential merger between Envirolink Co and James & James was announced in the summer of 2019
- We learned that the new company intended to greatly increase our service rate
- James and James withdrew from the merger and continues to operate our system at the same cost



Keep Oil and Grease Out of the Sewers

Sewer System – Homeowner Responsibilities



How A Sewer Blockage Affects the Sewer System

Sewer Blockage Formation



The start of a blocked pipe begins when grease and solids collect on the top and sides of the pipe interior.



The build-up increases over time when grease and other debris are washed down the drain.



Excessive accumulation will restrict the flow of wastewater and can result in a sanitary sewer overflow.

#3

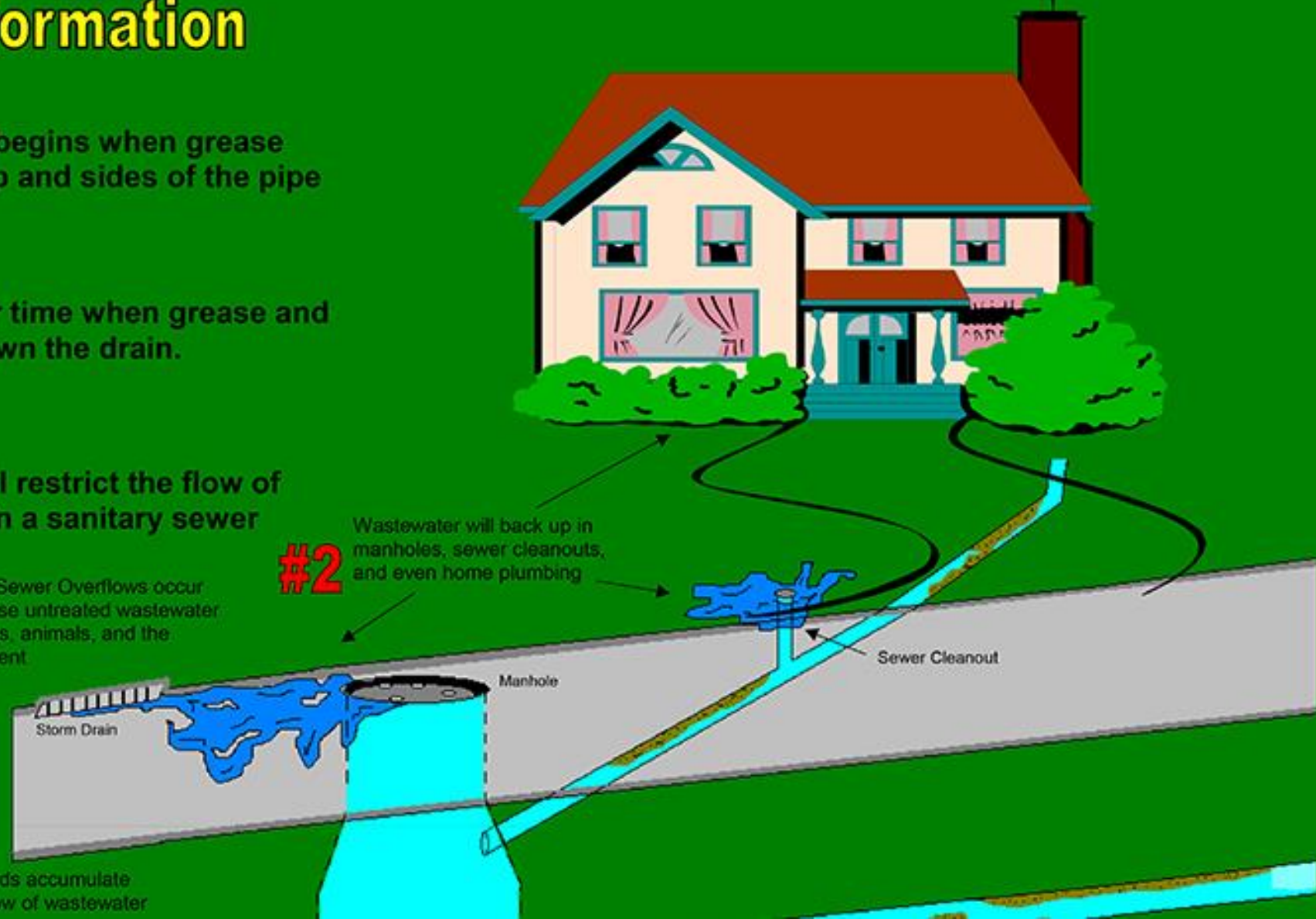
Sanitary Sewer Overflows occur and expose untreated wastewater to humans, animals, and the environment

#2

Wastewater will back up in manholes, sewer cleanouts, and even home plumbing

#1

Grease and Solids accumulate and block the flow of wastewater



Sewer System – Homeowner Responsibilities

Do not discharge strong chemicals

**Bleach, ammonia, or other strong
chemicals can kill the biolife “bugs”
in wastewater system**



Sewer System- Homeowner Responsibilities

- Each home is responsible for maintaining its own grinder pump
- Our grinder pumps serve to push wastewater from our homes and through the community lines to the treatment plant
- Failure of a grinder pump results in sewage overflowing to the ground and is a potential health issue
- A&D offers a maintenance and inspection program for grinder pumps

