



**Help Greasy with**



**DO** put grease in a soup can, freeze it and then throw it in the trash can!

**DON'T** pour grease or cooking oil in the kitchen sink.

**DO** use a paper towel to wipe out a frying pan, and then put the paper towel and food scraps in the trash.

**DON'T** use hot water to rinse grease off cooking utensils or eating utensils.

**NEVER** put any item in the toilet except toilet tissue!

Items like those listed below can cause problems in the lines and treatment plants:

Baby and disinfecting wipes, toilet scrubber sponges, mop refills, paper towels, rags, shop towels, Kleenex, disposable diapers, dental floss, hygiene products, syringes, cotton swabs, razors, surgical gloves, anything plastic, cat litter, cigarette butts, cosmetics, medicines, paint, pesticides, etc.

*Please report anyone dumping any type of material into manholes to Environmental Services at 704-638-5375. It is against the law!*

N.C. General Statute Chapter 143, Article 21, Part 1, 143-215.1C requires municipalities that operate wastewater collection and treatment systems to publish an annual report summarizing the performances of their collection system and treatment works and the extent to which the system has violated their permit, federal or state laws, regulations, or rules related to the protection of water quality.



### Treatment and Collection Staff Contacts:

Wastewater Treatment Plants Manager  
*Jim Amaral* – 704-638-5374

Operator in Responsible Charge of the City of Salisbury WWTP  
*Robert Loper* – 704-638-5374

Operator in Responsible Charge of Residuals Management  
*Robert Loper* – 704-638-5374

Operator in Responsible Charge of Collection System -  
*Randy Allman* – 704-638-5390

Laboratory Supervisor  
*Tim Brown* - 704-638-5376

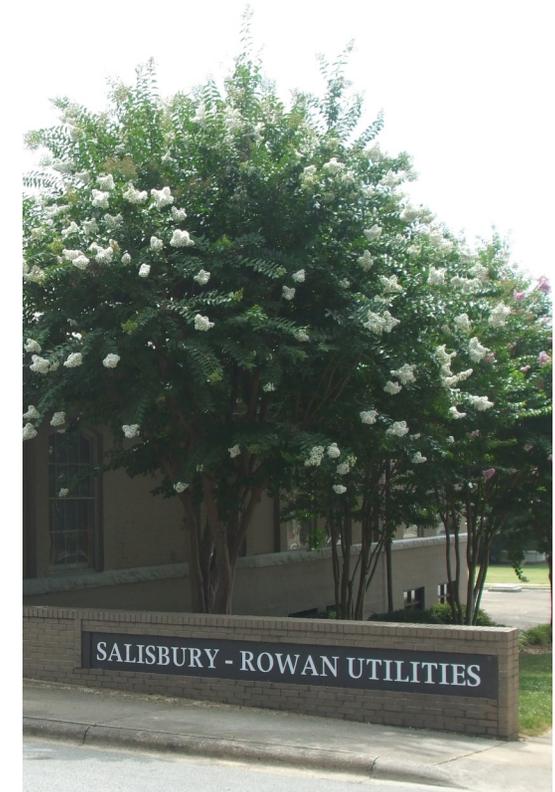
This report covers the calendar year from January 1 through December 31, 2017 and is available on-line at [www.salisburync.gov](http://www.salisburync.gov).

Any questions pertaining to this report should be directed to Environmental Services Manager, *Sonja Basinger* at 704-638-5375.



# WASTEWATER SYSTEM

## Annual Report



# 2017

*Our mission is CLEAR!*

Salisbury-Rowan Utilities (SRU) provides wastewater treatment at the Town Creek treatment train located near Interstate 85 and the Grant Creek treatment train off of Grubb Ferry Road. The effluents at both trains are disinfected with sodium hypochlorite and then the combined effluents from both trains are dechlorinated with sodium bisulfite at the City of Salisbury Wastewater Treatment Plant (WWTP) and discharged into the Yadkin River.

SRU treats industrial, commercial and residential waste from Salisbury, Landis, China Grove, Spencer, East Spencer, Rockwell, Faith and Granite Quarry. Gravity sewer lines, force mains and lift stations collect and pump the wastewater to the treatment trains. An average of 8.3 million gallons per day is treated using a process called activated sludge. Trash and rags are first removed by bar screens. Heavy particles such as sand and grit settle out as the flow slows in the grit chamber. The wastewater is then pumped to aeration basins, which contain *activated sludge*. The microorganisms or “bugs” feed on the wastewater particles. The process then moves to clarifiers where the “bugs” settle out leaving clear treated wastewater or *effluent*. Sodium hypochlorite is used for disinfection at the City of Salisbury WWTP.

Solids “left over” from the treatment process are separated from the treated effluent by a filter belt press. The solid material or “biosolids” that is left is applied to permitted farmland in Rowan County as a substitute for fertilizer. Only crops grown for animal feed can be raised after biosolids are applied. SRU’s Land Application Program (Permit # WQ001956) land applied a combined total of 1,122.98 dry tons across 310.8 acres of farmland in 2017. Salisbury-Rowan Utilities has a total of 1,005.1 acres of land permitted.

SRU operates a North Carolina certified municipal laboratory where tests are analyzed 5 days per week.

**City of Salisbury WWTP (Permit NC0023884)-** The City of Salisbury WWTP had no permit violations in 2017.

The WWTP had no reportable overflows (bypasses) in 2017.

**SRU Collection System Reportable Sanitary Sewer Overflows (Permit WQCS00019)-**

Date	Location	Gallons	Gallons into stream	Receiving Stream	Cause
6/5/17	1710 Hollywood Dr (Spencer)	10,600	10,600	Grant Creek	Severe Natural Condition Inflow & Infiltration
9/1/17	16 W. Park Rd. (Salisbury)	50	50	Tributary to Grant Creek	Severe Natural Condition Inflow & Infiltration
	Total Gallons	10,650	10,650		

All discharges of any amount that reach surface waters are reported to the Division of Water Resources. In addition, any spills to the ground that exceed 1,000 gallons are reported. If a discharge of 1,000 gallons or more reaches surface waters, a press release is sent to The Salisbury Post within 24 hours. If a discharge is more than 15,000 gallons, a public notice is placed in The Salisbury Post and The Stanly News and Press (to notify the affected area downstream of Salisbury).

**East Spencer Collection System Sewer Overflows (Permit No. WQCS00342) -** no reportable sanitary sewer overflows in 2017.

**Environmental Education Efforts** - In addition to the FOG (Fat, Oil, Grease & Wax) Program mentioned on the back page, Salisbury-Rowan Utilities educates customers on the proper handling and disposal of other materials which can affect the environment.



“No wipes down the pipes” is a campaign designed to inform customers that disposable wipes can be potentially harmful to pipes and possibly impact the environment negatively. Ultimately the only product designed to be flushed safely is toilet paper.

Medications are not safe to flush or to throw away. These should be placed in authorized medication drop boxes which are located in designated pharmacies, hospitals, and government locations.



Mercury or devices containing mercury such as old thermometers, thermostats, switches, and lights containing mercury vapor should be handled with extreme care and disposed of properly.

Visit our website for more information at [www.salisburync.gov/SRU](http://www.salisburync.gov/SRU).