



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.

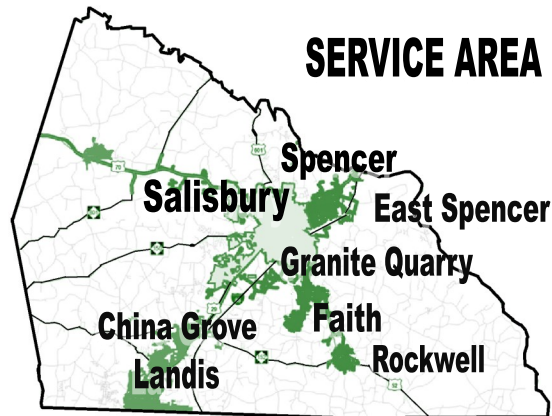
NEVER put any item in the toilet except toilet tissue!

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
Jim Amaral– 704-638-5374

Operator in Responsible
Charge of Residuals Management
Kevin Rainey–704-216-7580

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

Laboratory Supervisor
Tim Brown - 704-638-5376

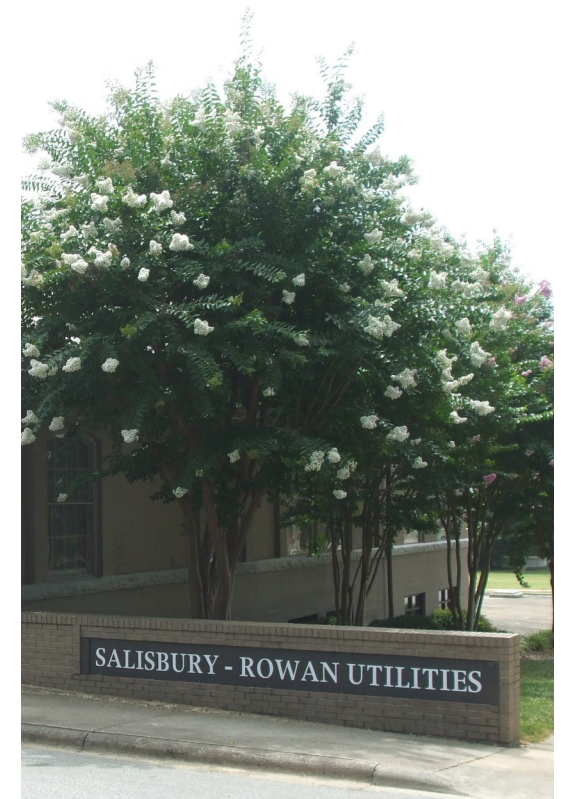
This report covers the calendar year from January 1 through December 31, 2016 and is available on-line at www.salisburync.gov.

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

**Salisbury-Rowan
UTILITIES**

WASTEWATER SYSTEM

Annual Report



2016

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 8.2 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 1,236.86 dry tons across 242.6 acres of farmland in 2016. Salisbury-Rowan Utilities has a total of 1,441.9 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 2016.

The WWTP had no reportable overflows (bypasses) in 2016.

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

Date	Location	Gallons	Gallons into stream	Receiving Stream	Cause
2/16/16	625 E. Centerview St (China Grove)	35	35	Cold Water Creek	Pipe Failure
5/31/16	1500 Blk of McCanless Rd (Salisbury)	32,000	27,000	Crane Creek	Pipe Failure
6/10/16	Legion Pump Station (Rockwell)	118	59	Unnamed Tributary to Dutch Second Creek	Pump station equipment failure
12/14/16	1601 Brenner Ave (Salisbury)	750	450	Grant Creek	Contractor damaged sewer line
	Total Gallons	32,903	27,544		

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 2016.