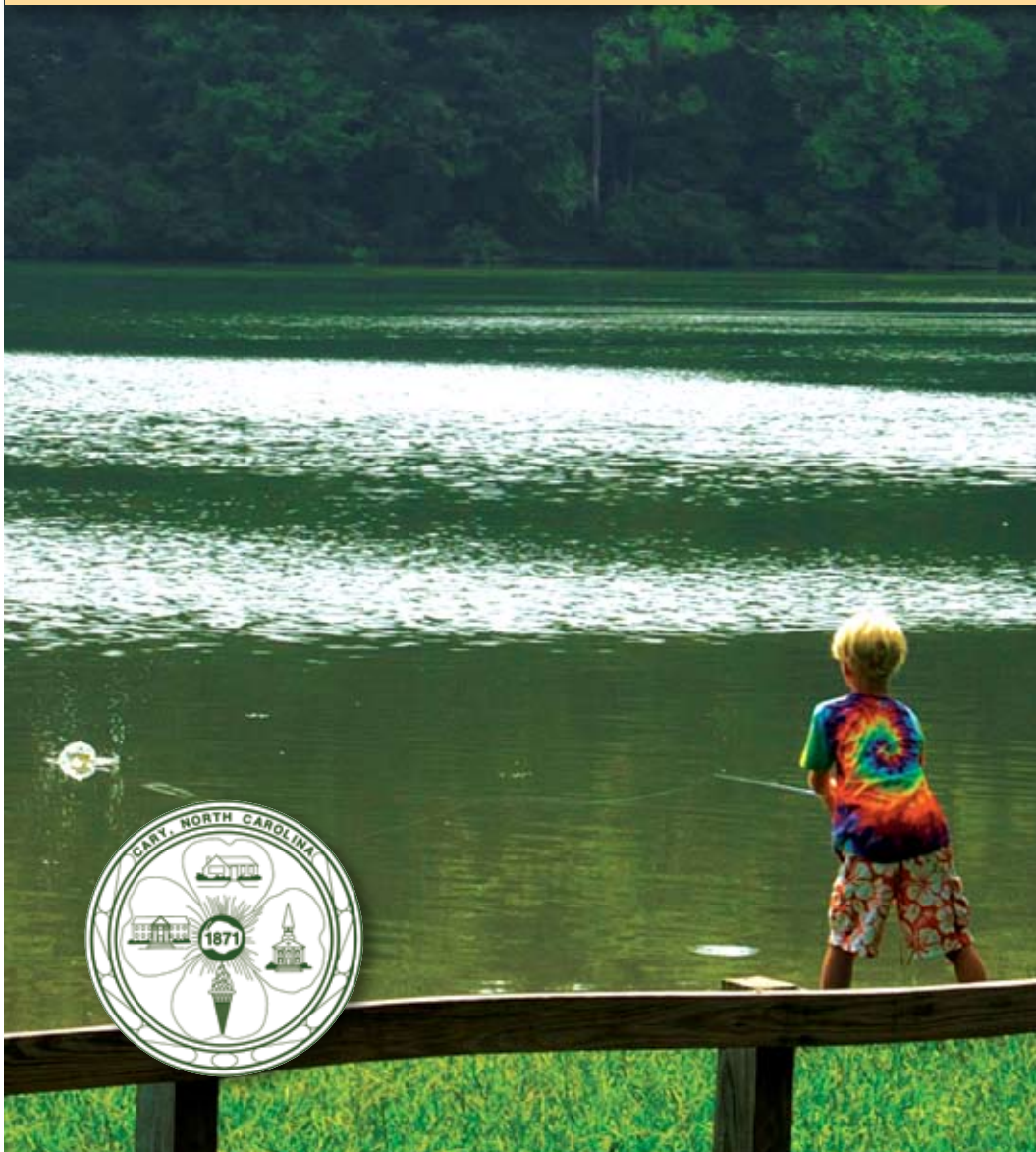


# TOWN of CARY

## Annual Wastewater Report 2007-2008

*Leading the state in protecting and preserving our finite natural resources.*



## The Town of Cary Annual Wastewater Report

In an effort to keep citizens informed and maintain compliance with State of North Carolina requirements, the Town of Cary is pleased to provide this overview of programs relating to the operation, maintenance, and performance of its wastewater collection system.

The Town of Cary currently operates and maintains 753 miles of wastewater collection system, 45 wastewater pumping stations, 22,000 manholes, and safely treats nearly 12 million gallons of wastewater on a daily basis.

## Community Participation

The Town of Cary encourages public interest and participation in decisions affecting our community. Cary's Town Council meetings are held in the Town Hall Council Chambers, 316 N. Academy Street, and cablecast live on Cary TV, cable channel 11. For additional information concerning Council meeting dates and times, please see the calendar at [www.townofcary.org](http://www.townofcary.org).

## Every Minute Counts

The amount of time it takes to prevent a sanitary sewer overflow (SSO) can come down to minutes. However, it can take considerably longer if the area where the wastewater collection lines are located has become overgrown or covered up by plants and structures. The time spent searching for manholes or removing obstructions is time taken away from the real problem. Easement clearing and system inspection is an ongoing endeavor, and that's why the Town of Cary has developed an easement maintenance program for the following reasons:

- **Visual access and accountability**
- **Maintenance access**
- **Emergency response**



Before any work can begin, a letter is mailed to property owners who border the easement explaining the purpose and an approximate time when the work will be performed. In addition to the letter, an on-site meeting can be held upon request to inform each property owner of the items to be removed and what specific clearing is planned. This meeting allows property owners the opportunity to ask questions and time to remove any personal items from the easement.

If any items identified to be removed by the property owner remain in the easement, employees have been instructed to carefully remove the items and set them aside. Town of Cary employees are not responsible to replace back those items back onto the easement, nor are they responsible for any damage.

Should you have any questions, please call Public Works And Utilities Department at (919) 469-4090.

## Reclaimed Water is Available

Need no-cost water for landscaping, road construction, or dust control?

The Town of Cary continues to offer Bulk Reclaimed Water (BRW) free of charge to area businesses from two convenient locations. The water used in Cary's BRW projects uses highly treated wastewater taken from the plant's discharge pipe just before it is placed back into the creek.

Exceptionally clean and safe for many uses, this water is classified as non-potable and will require precautions in determining where it can and cannot be applied. Therefore, a short training session is required for drivers and employees of businesses who want to use Cary's BRW.

Town staff will conduct training sessions as needed. Each training session lasts 30-60 minutes and covers BRW distribution, station operations and the health and safety considerations involved with reclaimed water.

For more information, please call the Public Works And Utilities Department at (919) 469-4090, or visit our Web site at [www.townofcary.org](http://www.townofcary.org).



## Grease... Always a Concern in the Town of Cary

Ensuring that the Town's sewer infrastructure won't be damaged, the environment won't be harmed, and you won't lose service means working hard each day to prevent and remove fats oils and grease (FOG) from the wastewater collection system.

Cary staff work hard to spread the word on grease. Here are just some of the things we're doing:

- Sending letters to citizens informing them of heavy grease accumulation in their area
- Training Cary police officers to accurately detect illegal liquid waste disposal
- Providing information at Town festivals
- Creating and maintaining FOG awareness Web pages and training wastewater professionals here and at national FOG workshops

As always, by continuing to use common sense in the way you handle grease and cooking oil, you participate in protecting our environment and precious natural resources. Please remember the following:

- Never pour fats oils or grease from cooking down the drain.
- Place cooking greases and used oil in collection containers for proper disposal.
- Reduce use of garbage disposals by creating a compost pile or disposing of food scraps in the trash can.
- Remove grease from kitchen utensils with scraper or paper towels before washing them.

**Each year, many of the sewer overflows in North Carolina are directly attributed to the improper disposal of fats oils and grease in kitchen drains. Grease congeals on sewer pipes, which causes wastewater to flow back into homes and businesses or directly into waterways.**



# South Cary Water Reclamation Facility 2007-2008 Annual Performance

Month	Flow		Biochemical Oxygen Demand		Ammonia		Total Suspended Solids		Fecal Coliform		Dissolved Oxygen		Total Nitrogen		Total Phosphorus	
	Limit	Actual	Limit	Actual	Limit	Actual	Limit	Actual	Limit	Actual	Required	Actual	Limit	Actual	Limit	Actual
July	12.8	4,372	5	0.0	1.0	0.11	30	1.52	200	1	>5*	6.9	**	2.03	***2	1.602
August	12.8	4,344	5	0.0	1.0	0.30	30	1.78	200	2	>5*	6.7	**	2.25	***2	1.206
September	12.8	4,068	5	0.0	1.0	0.04	30	1.25	200	1	>5*	7.0	**	1.72	***2	0.848
October	12.8	4,347	5	0.0	1.0	0.00	30	1.01	200	1	>5*	7.4	**	1.60	***2	0.398
November	12.8	4,010	5	0.0	2.0	0.04	30	0.27	200	1	>5*	7.7	**	2.16	***2	0.231
December	12.8	4,716	10	0.0	2.0	0.16	30	0.38	200	1	>5*	8.3	**	2.32	***2	0.122
January	12.8	4,829	10	0.0	2.0	0.09	30	0.36	200	1	>5*	8.7	**	2.85	***2	0.072
February	12.8	5,094	10	0.0	2.0	0.05	30	0.54	200	2	>5*	8.8	**	2.40	***2	0.113
March	12.8	5,440	10	0.0	2.0	0.08	30	0.65	200	1	>5*	8.9	**	2.87	***2	0.086
April	12.8	5,313	5	0.0	1.0	0.05	30	0.54	200	2	>5*	8.2	**	2.50	***2	0.235
May	12.8	4,919	5	0.0	1.0	0.10	30	0.86	200	2	>5*	7.4	**	2.30	***2	0.412
June	12.8	4,557	5	0.1	1.0	0.04	30	1.08	200	1	>5*	7.1	**	1.63	***2	1.124

# North Cary Water Reclamation Facility 2007-2008 Annual Performance

Month	Flow		Carbonaceous Biochemical Oxygen Demand		Ammonia		Total Suspended Solids		Fecal Coliform		Dissolved Oxygen		Total Nitrogen		Total Phosphorus	
	Limit	Actual	Limit	Actual	Limit	Actual	Limit	Actual	Limit	Actual	Required	Actual	Limit	Actual	Limit	Actual
July	12	5.99	4.1	0.00	0.5	0.00	30	0.16	200	1.00	>5*	7.80	**	2.92	***2	0.67
August	12	5.82	4.1	0.00	0.5	0.01	30	0.00	200	1.00	>5*	7.60	**	4.05	***2	0.34
September	12	5.80	4.1	0.00	0.5	0.00	30	0.20	200	1.00	>5*	7.80	**	2.75	***2	0.57
October	12	6.26	4.1	0.00	0.5	0.01	30	0.20	200	1.00	>5*	8.00	**	2.56	***2	0.41
November	12	5.76	8.2	0.00	1.0	0.00	30	0.20	200	1.00	>5*	8.60	**	4.03	***2	0.16
December	12	5.92	8.2	0.00	1.0	0.03	30	0.40	200	2.00	>5*	8.90	**	3.63	***2	0.24
January	12	5.98	8.2	0.00	1.0	0.02	30	1.50	200	1.00	>5*	9.50	**	4.95	***2	0.59
February	12	6.13	8.2	0.00	1.0	0.01	30	1.10	200	1.00	>5*	9.50	**	5.08	***2	0.67
March	12	6.36	8.2	0.00	1.0	0.03	30	1.30	200	1.00	>5*	9.50	**	3.94	***2	0.69
April	12	6.30	4.1	0.00	0.5	0.02	30	0.80	200	1.00	>5*	9.10	**	3.73	***2	0.73
May	12	5.95	4.1	0.00	0.5	0.01	30	0.40	200	1.00	>5*	8.50	**	3.57	***2	0.24
June	12	5.39	4.1	0.00	0.5	0.01	30	0.24	200	1.00	>5*	8.00	**	2.94	***2	0.29

\* = Daily Required Level  
 \*\* = No Limit  
 \*\*\* = Quarterly Limit  
 \_ = Violation  
 1 = Monthly Average  
 2 = Geometric Mean

DL = Detection Levels (values below detection levels are reported as zero as allowed by NC General Statutes and then averaged, with the exception of Fecal Coliform)

