



TOWN of CARY

Inspections & Permit Department
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 www.townofcary.org

RECLAIMED WATER USE STATEMENT OF COMPLIANCE

Application # _____ - _____

This form must be completed and submitted with applications for all new systems utilizing Reclaimed Water. Any relevant information must be provided, and each section must be initialed as appropriate, with a final signature at the end, to indicate proper compliance with program requirements. **For more information on reclaimed water requirements, please visit www.townofcary.org or call Rick Jordan the Reclaimed Water Coordinator at (919) 460-4939.**

PROPERTY INFORMATION

Project Address _____
 Property Owner _____
 Applicant _____
 Applicant Phone _____ Applicant Email _____

MAXIMUM IRRIGATION VOLUME

All reclaimed water irrigation sites must meet the following maximum irrigated volume. Any applicant may contract a Licensed Soil Scientist to do a field evaluation and provide a site specific alternative maximum irrigation rate.

Total Maximum Water Applied Per Irrigation Event (inches)				
	0-5% Slope	5-8% Slope	8-12% Slope	12%+ Slope
Standard Irrigation Rate	0.22"	0.17"	0.13"	0.10"
Irrigation Rate for Amended Soils*	0.30"	0.23"	0.17"	0.13"

* Amended soils requirements consist of a minimum of 3 inches of organic matter (combination of topsoil, composted pine bark fines, composted mulch, composted chicken or cow manure, mushroom manure, peat moss, or other sources of humus with no more than one constituent comprising over 50%) spread onto the entire area that will receive irrigation (a maximum of 10% course sand (builders sand) can also be applied as part of the soil amendment material). This soil amendment material shall be mechanically worked into the native soil to a minimum depth of 6 inches. This can be done with a variety of tillers.

Compliance with Irrigation Rate Requirements: Yes _____ No _____

WATER BUDGET – Calculate using the chart below:

MONTH	CONVERSION FACTOR	×	LANDSCAPED AREA (FT ²)	=	WATER BUDGET (GALLONS/MONTH)
March	0.82				
April	1.53				
May	1.57				
June	2.21				
July	2.30				
August	1.77				
September	1.25				
October	0.45				

January, February, November, and December irrigation system should be winterized

IRRIGATION AREA SETBACKS

A 100 ft. setback from any well (except monitoring wells) to the wetted area is required for irrigation with reclaimed water.

Compliance with Irrigation Setbacks: Yes _____ No _____

HOSE BIBS

Reclaimed water hose bibs are required to be located in an underground box colored purple (Pantone 522 or equivalent) and embossed or integrally stamped or marked "CAUTION: RECLAIMED WATER – DO NOT DRINK", as specified in the Town of Cary Standard Specifications and Details (Detail No. 06500.03).

Compliance with Hose Bib Requirements: Yes _____ No _____

PIPE IDENTIFICATION

All reclaimed water piping, valves, spray-heads and other appurtenances (for irrigation systems and non-irrigation uses) shall be colored purple (Pantone 522 or equivalent) and embossed or integrally stamped or marked "CAUTION: RECLAIMED WATER – DO NOT DRINK" to identify the source of the water as being reclaimed water.

Compliance with Pipe Identification Requirements: Yes _____ No _____

BACKFLOW PREVENTION DEVICES

Reclaimed water service lines supplied by reclaimed water, and future reclaimed water lines supplied by potable water with a municipally maintained cross-connection air gap device, are not required to have a backflow prevention device. Future reclaimed water service lines supplied by a single potable water service line until reclaimed distribution lines are available requires a backflow prevention device at the meter. See the Town of Cary Standard Specifications and Details (Section 06200 Cross Connection Control and Section 06500 Reclaimed Water Distribution Systems).

Compliance with Backflow Prevention Requirements: Yes _____ No _____

CROSS CONNECTION CONTROL

There shall be no direct cross-connections between the reclaimed water system and any other potable or non-potable water systems.

Compliance with Cross Connection Control Requirements: Yes _____ No _____

COOLING TOWERS, BOILERS, INDUSTRIAL PROCESS WATER, TOILET FLUSHING, OTHER

Demand Estimate (flow calculations):

Flow estimate calculations, sealed by a NC licensed Professional Engineer, shall be provided for all cooling towers, boilers, industrial process systems, and other systems not considered standard irrigation systems, showing reclaimed water demand and wastewater generation rates.

Sealed Demand Estimate Attached: Yes _____ No _____

Systems utilizing reclaimed water for cooling towers, boilers, industrial process water, toilet flushing, or other similar uses must meet the requirements of Pipe Identification, Meters and Meter Boxes, Backflow Prevention and Cross Connection Control above.

Compliance with Cooling Tower, Boiler, Industrial Process Water, Toilet Flushing, and Other Requirements: Yes _____ No _____

APPLICANT'S STATEMENT

I hereby certify that all of the above information is correct, that I am aware of the additional requirements due to utilizing reclaimed water, and that the system will be installed, operated, and maintained in accordance with all Town of Cary and State of North Carolina regulations pertaining to the utilization of reclaimed water.

Applicant (print) _____ Signature _____ Date _____