

Water

Single-Family Residence Systems (Wastewater Treatment)

What Activities Require These Permits? SFR wastewater treatment and surface irrigation systems are for residential lots serving no more than one residence. The wastewater treatment portion of the system typically consists of: a baffled septic tank with effluent filter; a filtration system that is either gravity or pump-fed and utilizes sand or other approved media; disinfection by either tablet chlorination or ultraviolet (UV) irradiation; and pump/storage tanks with audible and visual alarms. The treated wastewater is then irrigated on the residence's property using either spray heads or drip irrigation tubing.

SFR permits may only be issued to the current property owner, and only if the site has been denied by the county health department for a subsurface system.

What Is The Purpose of These Permits? Application of treated residential wastewater through this permit is intended to provide a wastewater disposal option to a single-family residence allowing development on property that is not suited for subsurface or traditional wastewater disposal systems (e.g. septic tanks and drainfields).

Who Issues These Permits? N.C. Division of Water Resources, Water Quality Permitting Section / Non-Discharge Permitting Unit.

How Much Will These Permits Cost?

Non-Discharge Activity	New Permit Application Fee	Major Modification Application Fee	Facility's Annual Fee
Single-Family Residences	\$60	\$20	\$60

What Are My Payment Options for Permit Application Fees? Check, Money Order or Electronic Transfer

If Paying by Check, Who do I Make the Check Payable to and Where Do I Send the Check Made payable to the North Carolina Department of Environmental Quality (NCDEQ) and sent to NC Division of Water Resources, Water Quality Permitting Section / Non-Discharge Permitting Unit, 1617 Mail Service Center, Raleigh, NC 27699-1617.

Where Can I Get The Application For These Permits? Application forms, regulations, guidance and other information may be obtained from the Web site at <http://deq.nc.gov/about/divisions/water-resources/water-resources-permits/wastewater-branch/non-discharge-permitting-unit/application>.

How Long Will It Take To Review My Application? Upon receipt of a complete application, the standard review time for staff is 90 days, although approval may be less than 90 days for most projects. Permit renewals are submitted 180 days prior to expiration.

Where Do I Submit My Application? N.C. Division of Water Resources, Water Quality Permitting Section / Non-Discharge Permitting Unit, 1617 Mail Service Center, Raleigh, NC 27699-1617.

How Long Is My Permit or License or Certificate Valid? A Single-Family Residence Wastewater Irrigation System permit remains valid for five years.

Notes/Comments: New SFR systems require soils reports from licensed soils scientists and designs by licensed professional engineers. Please consult an experienced licensed professional to see if an irrigation system will work for a particular project.

Legal Authority/Statute Reference: 15A NCAC 02T .0600

Links: <http://deq.nc.gov/about/divisions/water-resources/water-resources-permits/wastewater-branch/non-discharge-permitting>

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Statewide Contact Information:

NC Division of Water Resources

Water Quality Permitting Section / Non-Discharge Permitting Unit

1617 Mail Service Center

Raleigh, NC 27699-1617

Telephone: (919) 807-6332

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