

Water

Aquifer Storage and Recovery (ASR) & Other Injection Well Types

What Activities Require This Permit? Aquifer Storage and Recovery (ASR) Wells are used to inject potable water into the ground for storage and later recovery for use during droughts. Other complex injection well types permitted by North Carolina include Salinity Barrier Wells, Aquifer Recharge Wells, Subsidence Control Wells, and Experimental Technology, and 'Other' Injection Wells.

What Is The Purpose of This Permit? An injection permit is required for construction and operation of a well for Aquifer Storage and Recovery (ASR). In addition to this permit, a [water supply well permit](#) is required and the [Public Water Supply Section](#) of the N.C. Division of Water Resources must approve of the use of the ASR well in a public water system, although issuance of the injection well permit is independent of these approvals. The purpose of other Class V injection wells is shown in the rule under title 15A NCAC 2C .0209 (Classifications of Injection Wells).

Who Issues This Permit? N.C. Division of Water Resources, Groundwater Resources Section (UIC Program).

How Much Will This Permit Cost? There are no fees for ASR injection well permits or other Class V wells considered here.

What Are My Payment Options for Permit Application Fees? Not applicable

If Paying by Check, Who do I Make the Check Payable to and Where Do I Send the Check? Not applicable

Where Can I Get The Application For This Permit? Permit applications for these types of injection wells are available on the NCDWR website at the following link: <http://deq.nc.gov/about/divisions/water-resources/water-resources-permits/wastewater-branch/ground-water-protection/ground-water-applications>

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 longer depending on the degree of complexity and the number of additional information requests.

Where Do I Submit My Application? The address is on the application- N.C. Division of Water Resources, UIC Program, 1636 Mail Service Center, Raleigh, NC 27699-1636.

How Long Is My Permit or License or Certificate Valid? Once issued, an injection well permit remains valid for five years.

Notes/Comments: Rules governing underground injection control are found in title 15A North Carolina Administrative Code, Subchapter 2C, Section .0200 (15A NCAC 2C .0200). The use of injection wells to dispose of waste is prohibited.

Legal Authority/Statute Reference: GS 87-84; GS 87-86 through GS 87-87; GS 87-94 through GS 87-96; GS 143-211; GS 143-214.2; GS 143-215.1A; GS 143-215.3(a)(1); GS 143-215.3(c); 40 C.F.R. Part 144.52(a)(7); 40 C.F.R Part 145.11(a)(20).

Links: <https://deq.nc.gov/about/divisions/water-resources/water-resources-permits/wastewater-branch/ground-water-protection/aquifer-storage-recovery>

Statewide Contact Information:

NC Division of Water Resources
Groundwater Resources Section
1636 Mail Service Center,
Raleigh, NC 27699-1636
Telephone: (919) 707-9000