MEMORANDUM

TO: NC Division of Waste Management
Environmental Consulting Firms
Other Interested or Affected Parties

FROM: Thomas Slusser, L.G. Underground Injection Control (UIC) Program Manager

SUBJECT: Impact of Injection Well Rule Revisions on In Situ Remediation Activities
Criteria and Standards Applicable to Injection Wells (15A NCAC 02C .0200)

On April 19, 2012, the North Carolina Rules Review Commission approved revisions of the criteria and standards applicable to injection wells, which will become effective on May 1, 2012. In situ remediation activities permitted by the non-discharge rules (15A NCAC 02C .1600) to inject onsite contaminated groundwater are not affected by these rules.

One of the rule revisions was to consolidate all in situ remediation injection well types and regulations into a single rule (15A NCAC 02C .0225). Regulatory changes in this rule include:

- Air sparge wells require notification to DWQ within 30 days of construction, abandonment, or other status change
- The following injection activities are permitted by rule and require 2 weeks’ prior notification:
  - Passive in-well systems (ORC socks, iSOC systems, ozone and other gas infusions)
  - Small-scale injections (plumes located entirely with a 10,000 ft² area)
  - Pilot Tests (limited to 5% land surface area of plume and may involve multiple wells, injectants, injection events)
- Hydraulic or pneumatic fracturing is allowed but will require an individual permit and demonstration of fracture control

The new rules can be found online at http://portal.ncdenr.org/web/wq/aps/gwpro/rules-statutes and notification forms can be found at http://portal.ncdenr.org/web/wq/aps/gwpro/permit-applications.

Please contact me by email at thomas.slusser@ncdenr.gov or by telephone at 919-807-6412 if you have any questions about the new rules, injection wells, or the UIC Program.