



North Carolina Department of Environment and Natural Resources

Division of Water Resources

Water Quality Programs

Pat McCrory  
Governor

Thomas A. Reeder  
Director

John E. Skvarla, III  
Secretary

November 13, 2013

Steve Catania  
V.P. Operations  
Subsurface Technologies, Inc.  
40 Stone Castle Road  
Rock Tavern, NY 12575

Reference: Approval of Well Rehabilitation Materials and Methods  
Carbon Dioxide

Dear Mr. Catania:

On November 8, 2013, we received your request for approval of Carbon Dioxide as non-continuous well rehabilitation chemical treatment allowed for under North Carolina well construction regulation 15A NCAC 02C .0112(g). We have reviewed the supporting documentation and concluded that this product satisfies the approval criteria specified in 15A NCAC 02C .0112(g). Therefore, in accordance with your request, Carbon Dioxide has been approved as non-continuous well rehabilitation chemical treatment provided that there is strict adherence to the manufacturer's recommendations for usage. Any damage to the well or violation of the 15A NCAC 02L Groundwater Standards as a result of the rehabilitation activities will be the responsibility of the person/entity conducting the rehabilitation to correct.

This approval does not constitute an endorsement from the Division of Water Resources and is only valid for use in accordance with the manufacturer's directions. Any variations in the chemical or physical makeup of this product will require approval before usage.

If you have any questions, please contact Eric Smith by email at [eric.g.smith@ncdenr.gov](mailto:eric.g.smith@ncdenr.gov) or by phone at 919-807-6407.

Sincerely,

S. Jay Zimmerman, P.G., Chief  
Water Quality Regional Operations Section

cc: DHHS - On-Site Water Protection  
DWR Regional Office Supervisors