

# North Carolina Department of Environmental Quality

Pat McCrory  
Governor

Donald R. van der Vaart  
Secretary

October 2, 2015

Allan Skouby  
GeoPro, Inc.  
Post Office Box 150  
Bowie, Texas 76230-0150

Reference: Approval of Specialty Grout  
GeoPro CG Plus Specialty Grout

Dear Mr. Skouby:

On May 4, 2015, we received your initial request for approval of CG Plus as a specialty grout mix as allowed for in North Carolina well construction regulation 15A NCAC 02C .0107(e)(1)(F). According to your request, there are three different mix ratios for GeoPro's Thermal Grout, Portland Cement, GeoPro's PowerTEC<sub>x</sub>, and water. We have reviewed the supporting documentation that has been submitted to date and have concluded that the three CG Plus ratio of mixes with thermal grout, Portland cement, GeoPro's PowerTEC<sub>x</sub>, and water, satisfy the approval criteria for a specialty grout specified in 15A NCAC 02C .0107(e)(1)(F).

In accordance with your request, CG Plus mix ratios have been approved as a specialty grout for use in geothermal well installations only with the following restrictions:

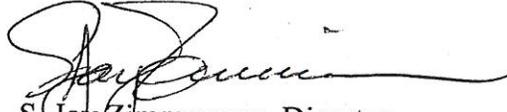
- 1) The following mixture ratios shall be adhered to:

GeoPro's Mix Reference	GeoPro's Thermal Grout (lbs)	Portland, Type II Cement (lbs)	GeoPro's PowerTEC <sub>x</sub> (lbs)	Potable Water (gal)	Yield (gal)
CG Plus 40 Mix	50	21.5	0	25.7	28.4
CG Plus 70 Mix	50	21.5	7.5	25.7	29.0
CG Plus 120 Mix	50	21.5	15	25.7	29.6

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 these products or the use of different mixture ratios will require approval before usage.

If you have any questions, please contact Debra Watts at [debra.watts@ncdenr.gov](mailto:debra.watts@ncdenr.gov) or 919-807-6338, or Eric Smith at [eric.g.smith@ncdenr.gov](mailto:eric.g.smith@ncdenr.gov) or 919-807-6407.

Sincerely,

A handwritten signature in black ink, appearing to read "S. Jay Zimmerman", with a long horizontal flourish extending to the right.

S. Jay Zimmerman, Director  
Division of Water Resources

cc: Nancy Deal - On-Site Water Protection  
WQROS - Regional Office Supervisors