

Illinois Department of Public Health  
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Approved Grouts for Well Casing Annular Space, Well and Borehole Abandonment, and Closed Loop Wells  
 Meeting American National Standards Institute (ANSI)/NSF International (NSF) STD 60  
 January 15, 2010

<b>Company</b>	<b>Product Name</b>	<b>Materials</b>	<b>Specified Use(s)</b>
Various ones	Neat cement	Portland cement	Well casing annular space, well abandonment & closed loop wells
Black Hills Bentonite LLC	Bentonite Grout	Sodium bentonite	Well casing annular space, well abandonment & closed loop wells
	Bentonite Plug 3/8" & 3/4" chips	Sodium bentonite	Well abandonment
	BH 20 Grout	Sodium bentonite	Well casing annular space, well abandonment & closed loop wells
	BH Grout Ultra	Sodium bentonite & thermal enhancement compound	Closed loop wells
	Thermal Grout Lite	Sodium bentonite & thermal enhancement compound	Closed loop wells
	Thermal Grout Select	Sodium bentonite & thermal enhancement compound	Closed loop wells
CETCO	Belle Crumbles	Two step mixture of granular sodium bentonite and polymer	Closed loop wells & abandoned boreholes
	CETCO® Coated Tablets 1/4" and 3/8"	Sodium bentonite	Well abandonment
	C/S Granular	Sodium bentonite	Well casing annular space
	CETCO® One Geothermal Grout™	Sodium bentonite	Closed loop wells; variance required
	CETCO Granular Grout	Sodium bentonite and silica sand	Closed loop wells; variance required
	Geothermal Grout™	Sodium bentonite and silica sand	Closed loop wells; variance required
	High TC Geothermal Grout™	Sodium bentonite and silica sand	Closed loop wells; variance required
	Puregold® Grout	Organic-free western sodium bentonite and proprietary mixture of sulfate	Replacement for neat cement grout
	Puregold® Chips	Sodium bentonite chips 1/4" - 3/8"	Well abandonment

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Economy Mud Products Co.	Econoplug Grout	Sodium bentonite chips: medium (1/4" - 3/8") & coarse (3/8" - 3/4")	Well abandonment
Haliburton Energy Services, Inc.	Aqua-Grout® Benseal®	Granular sodium bentonite and inorganic admixture	Well casing annular space & abandoned boreholes
	Aquaguard	Granular sodium bentonite blended with inorganic additives	Well casing annular space
	Barotherm™	Sodium bentonite & silica sand	Closed loop wells; variance required
	Barotherm™ Gold	Sodium bentonite & silica sand	Closed loop wells; variance required
	Barotherm™ Plus	Sodium bentonite & silica sand	Closed loop wells; variance required
	Bore-Grout™	Bentonite or bentonite silica/sand mixture	Horizontal closed loop wells constructed by directional drilling; intended only for saturated zone
	Benseal®/EZ-Mud Slurry	100% coarsely-ground (8-mesh) sodium bentonite, and co-polymer viscosifying drilling fluid agent	Well casing annular space, well abandonment & closed loop wells
	EZ Seal™	Granular sodium bentonite	Well casing annular space, well abandonment & closed loop wells
M-I, LLC Smith/Schlumberger Company	Holeplug® 3/8" and 3/4" Quickgrout®	100% sodium bentonite chips Sodium bentonite	Well Abandonment Well casing annular space & well abandonment
	Baroid Bentonite Pellets	Sodium bentonite	Well & borehole abandonment
	Gopher Grout	Sodium bentonite	Well casing annular space & well abandonment
	Kwik Plug® Coarse & Medium Kwik Plug® Fine and Micro Smooth Grout 20	Sodium bentonite chips Granular sodium bentonite Sodium bentonite	Well abandonment Dry shallow hole abandonment Well casing annular space & well abandonment
	Smooth Grout 30 Smooth Grout Thermal	Sodium bentonite Sodium bentonite & silica sand	Well casing annular space & well abandonment Closed loop wells; variance required

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Polymer Drilling Systems, Inc. (PDSCO); includes Cowboy Mining Co., the Mining Division of PDSCO, Inc.	Granular Seal	Granular sodium bentonite	Well casing annular space & well abandonment
	PDS Co Grout 20% & 30%	Sodium bentonite powder	Well casing annular space & well abandonment
	PDS Co Plug 3/4" & 3/8" chips	Sodium bentonite chips	Well abandonment
	PDS Co Plug TR30/60	Sodium bentonite chips with timed released non-sticking coating	Well abandonment
	Pel Plug 1/4" 3/8" & 1/2" Pel Plug TR 30/60	Sodium bentonite pellets Sodium bentonite pellets with timed released non-sticking coating	Well abandonment Well abandonment
SuperGrout Products LLC	Geo SuperGrout	Special mixture	Well casing annular space & closed loop wells
Teague Mineral Products	Industrial 200	Sodium bentonite	Well casing annular space & closed loop wells
	TMP #5 Perma Plug®	Sodium bentonite	Well casing annular space & closed loop wells
	TMP 3/8" Perma Plug®	Coarse sodium bentonite	Well abandonment
	TMP 3/4" & 1" Perma Plug®	Sodium bentonite chips	Well abandonment
US Bentonite	Pro-Plug	Sodium bentonite	Well and borehole abandonment
Western Clay Company	Swell Plug Coarse	Sodium bentonite	Well abandonment
Western Hydro Corporation	Hydro Grout 20	Sodium bentonite	Well casing annular space, well abandonment & closed loop wells
	Hydro Grout 30	Sodium bentonite	Well casing annular space, well abandonment & closed loop wells
	Hydro Plug 3/8" and 3/4"	Sodium bentonite chips	Well abandonment
	Hydro Plug 8 and 16	Granular sodium bentonite	Well casing annular space, well abandonment & closed loop wells
Wyo-Ben, Inc.	Coated Enviroplug® tablets 3/8" & 1/4"	Coated sodium bentonite tablets	Well casing and well abandonment
	Enviroplug® Coarse	Sodium bentonite chips 3/4"	Well abandonment
	Enviroplug® Grout	Sodium bentonite	Well casing annular space, well abandonment & closed loop wells
	Enviroplug® Medium	Sodium bentonite chips 3/8"	Well abandonment

<b>Company</b>	<b>Product Name</b>	<b>Materials</b>	<b>Specified Use(s)</b>
Wyo-Ben, Inc.	Enviroplug® No. 8	Granular sodium bentonite	Well casing annular space
	Enviroplug® No. 16	Granular sodium bentonite	Well casing annular space
	Enviroplug® No. 20	Granular sodium bentonite	Well casing annular space
	Enviroplug® Tablets 1/2" 3/8" & 1/4"	Sodium bentonite tablets	Well and borehole abandonment
	Grout-Well®	Sodium bentonite	Well casing annular space & closed loop wells
	Grout-Well® DF	Granular sodium bentonite	Well casing annular space & closed loop wells
	TD 16	Coated granular sodium bentonite	Well casing annular space & closed loop wells
	Therm-EX Grout™	Sodium bentonite & silica sand	Closed loop wells; variance required