

Wisconsin Department of Natural Resources Approved Horizontal Directional Drilling Products List

Note: This list is intended to supplement the [Approved Drilling and Filling Sealing Products List including Heat Exchange Drillhole Products List](#) and the [National Sanitation Foundation \(NSF\) Drinking Water Treatment Chemicals NSF/ANSI/CAN 60-Health Effects](#) List . Products on both lists are approved for use in Horizontal Directional Drilling in addition to the products listed below.

Wisconsin Pre-Approved HDD Drilling Fluid Products:

| Approval Date | Manufacturer or Distributor | Product Name | Material(s) | Uses | Special Conditions |
|---------------|---|-----------------------|------------------------------|----------------------------------|--|
| 6/26/23 | AMC | Xan Bore | Xanthan Gum | Viscosifier | |
| 6/20/22 | Baroid Fluid Services/Haliburton | Polyselct Power Swell | Proprietary ingredients | Lost circulation material | |
| 6/20/22 | Bentonite Performance Materials/Halliburton | Polyselct Power Xan | Xanthan gum | Viscosifier | |
| 6/26/23 | Cetco | Clay Cutter | Proprietary ingredients | Clay Stabilizer | Use with caution near surface water due to unknown aquatic toxicity. Max usage 1 gal/1000 gallons or 1.01 mg/l |
| 6/20/22 | Cetco | Drill-terge | Non-ionic surfactant | Drilling detergent/wetting agent | |
| 6/20/22 | Cetco | Rel-Pac Xtra-low | Polyanionic cellulose | Filtration control | |
| 6/20/22 | Cetco | Suspend-IT | Polysaccharid gum | Cutting transport | |
| 6/20/22 | DCS Fluid Solutions | Clay Breaker | Quaternary Ammonium Compound | Clay Stabilizer | Requires project-specific pre-approval |
| 6/20/22 | DCS Fluid Solutions | Polymud | Mineral Oil | Viscosifier | Requires project-specific pre-approval |
| 6/20/22 | DCS Fluid Solutions | Sandmaster | Xanthan gum | Viscosifier | |
| 6/20/22 | DCS Fluid Solutions | SealPac HV | Polysaccharide | Fluid Loss Reduction | |
| 6/20/22 | DCS Fluid Solutions | TorqBreaker | Quaternary Ammonium | Surfactant | Requires project- |

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|---------------|------------------------------------|--------------------------|---|---------------------------|---|
| | | | Alkyl dimethyl ammonium chloride Ethanolamine | | specific pre-approval |
| 6/20/22 | Halliburton Energy Services | Polysselect DMD Soda Ash | sodium carbonate | Buffer | |
| 6/20/22 | Lost Circulation Specialists, Inc. | Magna Fiber | Mineral fiber | Lost circulation material | |
| 6/26/23 | M-I Swaco | Super Vis | Xanthan Gum | Viscosifier | |
| 10/20/22 | Northstar Fluid Solutions | Lubra-Star Plus | Proprietary, derived from oleo chemicals | Water soluble lubricant | Use product purchased after 10/15/22 |
| 6/20/22 | Northstar Fluid Solutions | Star-Plex | Poly Hydroxy Silicate, Proprietary Mg, Na, Al compounds | Viscosifier | |
| 6/26/23 | Right Turn Supply | Det Con 1 | Sodium Dodecylbenzene Sulfonate, Tetrapotassium Pyrophosphate, Cocamide DEA, Diethanolamide | Drilling Mud Detergent | Maximum usage rate 1.04 mg/L or 1 gallon/1000 gallons |
| 6/26/23 | Right Turn Supply | Sand Grenade | Hydrocarbons | Lubricant, Stabilizer | Max usage rate 2 mg/l |
| 6/26/23 | Wyo-Ben | Torqmaster | Cocamide dea, proprietary | Surfactant | Requires project-specific pre-approval |

Last Update 06/26/2023

For review of products not on the pre-approved list, please submit the material safety data sheet and product sheets used for marketing to [Samantha Whitens](#), Office of Energy Storm Water Engineer or [Amy Minser](#), Statewide Storm Water Engineer. The safety data sheet or supplementary material must disclose the presence of any ingredients listed on Table 1 in s. [NR 140.10](#), Wis. Adm. Code and [Chemical List | Wisconsin Department of Health Services](#). Section NR 283.55, Wis. Adm. Code allows the department to handle trade secrets as confidential information. If information is considered a trade secret, confidential information should be provided in a separate document, clearly marked as confidential, and a request for confidentiality should be provided as required in s. [NR 2.19](#), Wis. Adm. Code. Disclosure of the information to the Wisconsin Department of Health Toxicologist may be required as part of the Department of Natural Resources review process.