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Environmental Cleanup of the Whitefish River

Objective

Rocky Mountain Dredging, LLC contracted to dewater the contaminated sediment from the Whitefish River in Whitefish, Montana. The Whitefish River was contaminated with diesel oil and solvents. Clearwater Dewatering of Nampa, Idaho and WaterSolve, LLC worked with Rocky Mountain Dredging, LLC for the dewatering of the solids. The project began in September 2010.

Geotube® container sizing

Geotube® containers are manufactured from high strength polypropylene fabric and designed to allow effluent water to escape through the pores of the fabric while retaining the chemically conditioned solids. The containment location selected at the site allowed for the installation of numerous Geotube® units to be installed.

WaterSolve's Chemical Conditioning

Two polymer makedown systems were provided by Wa-

terSolve LLC. Solve 216B & Solve 426 were determined to be the most efficient polymers to flocculate the solids from the sediment before going into the units. A containment system was built and lined in order to prevent the effluent from contaminating the ground before it was returned into the Whitefish River. Geotube® units were sent to the site in Whitefish, Montana and were installed in the containment area.



Containment area with Geotube® containers filled.



WaterSolve's chemical conditioning unit (WSLP2400), totes of Solve 152



Containment area preparation.

Location: Montana
Products: TenCate™ Geotube® containers
 Solve 216B Emulsion

Equipment: WSLP-2400 Polymer Makedown Unit



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