



Ground Water Remediation

This samples is representative of the groundwater that contains diesel fuel from years past. The facility currently uses traditional coagulation/flocculation prior to carbon filters. The objective is to reduce the organic load to the carbon filters to extend life of the carbon filter.

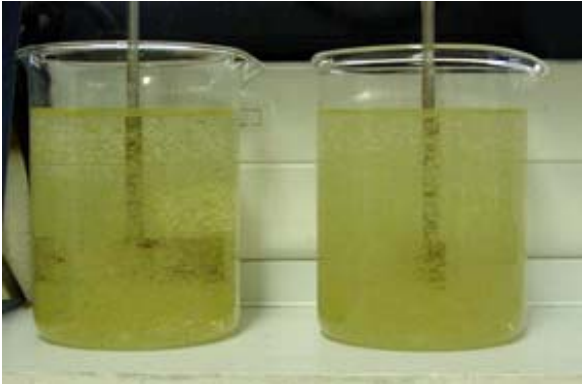
The treatment was performed with the addition of Floccin-J at a dosage of 0.25 grams in 1,000 ml. The treated water was then filtered and sent off for analytical testing. The analytical results are as follows:

Constituent	Method	Untreated	Treated
Hydrocarbon Oil & Grease	EPA 1664	ND	ND
Total Oil & Grease	EPA 1664	2.0	ND
TPH as Diesel	EPA 8015(M)	940	290

The reduction in oil & grease as well as diesel shows that the Floccin-J removed a majority of the organics. The photos below show the jar tests (note the reduction in color between untreated (yellowish) and treated (colorless)).



The second set of pictures is the settling rate test as the treatment process uses a lamella plate settling clarifier after coagulation/flocculation. The quick settling characteristics of the Floccin-J is almost twice as fast as conventional chemistries.



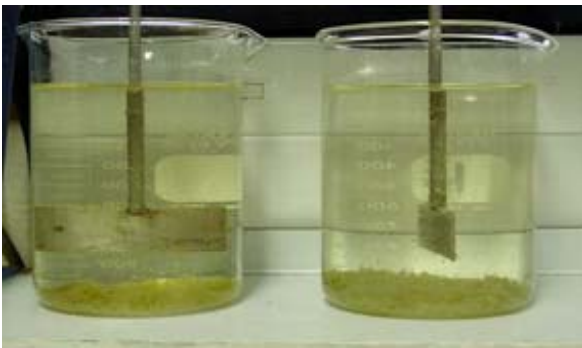
Time = 0 seconds



Time = 5 seconds



Time = 10 seconds



Time = 15 seconds