ENVIROPLUG®

Medium and Coarse

SEALING & PLUGGING AGENT

Enviroplug® (Medium & Coarse) is made of pure Wyoming Bentonite and was the first bentonite chip developed and marketed. **Enviroplug** has been used for abandoning holes since 1983. **Enviroplug** is used in sealing and plugging applications.

Enviroplug is an exceptionally versatile product used for abandoning cased and uncased boreholes, sealing casing, isolating zones, sealing grounding rods and heat pump conductor holes, stemming and sealing seismic shot holes, sealing excavations, and for any vertical sealing to prevent water movement up or down a borehole.

Enviroplug is introduced in a dry state, which prevents shrinkage and provides a reserve expansion capacity. When absorbing water, **Enviroplug** swells to fill voids, exerting pressure against all surfaces to create a flexible, low-permeability seal.

Enviroplug falls easily through standing water and thin drilling fluids, filling the column from the bottom upward. Expect a fall rate of 1 ft/s, which has been achieved through water depths of over 1600 ft.

PHYSICAL AND CHEMICAL PROPERTIES:

Appearance: Grey to tan granules
Particle Size: -3/8" + 1/4" (Medium), -3/4" + 3/8" (Coarse)
Bulk Density: 68 lb/ft^3 (Medium), 64 lb/ft^3 (Coarse)
Moisture Content: 15% ± 2
Permeability: 1 x 10^{-9} cm/sec

TYPICAL CHEMICAL ANALYSIS					
SiO_2	61.4%	MgO	1.70%	Other	0.07%
Al_2O_3	18.1%	CaO_3	0.40%	H_2O	7.80%
Fe_2O_3	3.50%	TiO_2	0.20%	LOS (Loss on Ignition)	4.40%
K_2O	0.10%	Na_2O	2.30%		

MIXING & HANDLING

Add directly down the annulus. Avoid breathing dust. It is advisable to use a dust mask and eye protection while mixing all powdered products.

WHMIS: Controlled (see SDS)
TDG: Not regulated
Packaging: 50lb sack/bulk

TYPICAL E.P. TOXICITY ANALYSIS		
	Standard (ppm)	Set Grout (ppm)
Arsenic	5.0	↓0.10
Barium	100.0	0.50
Cadmium	1.0	↓0.05
Chromium	5.0	↓0.10
Lead	5.0	↓0.10
Mercury	0.2	↓0.02
Selenium	1.0	↓0.05
Silver	5.0	↓0.10