

Sediment Control Test Results via ASTM D 5141

Client: New Pig TRI Log #: 993 Date: 1/12/2021 Temperature, C: 10 Technicians: TC

Sample ID	Composition	Specimen #	Soil Type	Test Configuration (Vertical or Horizontal)	Specimen Width, cm	Flow Volume (L)	Distance from SRD to the edge of water behind SRD at end of 25 min (mm)	Flow Rate (m ³ /m ² /min)	Flow Rate (GPM/ft ²)	Initial Mass of Soil (g)	Final Mass of Soil (g)	Filtering Efficiency (%)
Double Layer Silt Fence	Woven Geotextile	1	Clear Water	Vertical	81	50	20	0.061	1.496	0	0.00	n/a
			Silty Clay	Vertical	81	50	795	0.021	0.526	150	4.32	97.1
			Silty Clay	Vertical	81	50	830	0.020	0.482	150	5.06	96.6
			Silty Clay	Vertical	81	50	910	0.016	0.383	150	7.06	95.3
		Avg								0.019	0.464	150



Typical Upstream View - With Sediment-Laden Discharge



Typical Downstream View - With Sediment-Laden Discharge



Testing Apparatus (typical)

Calculations & Report by: C. Joel Sprague, P.E.
 Date: 18-Jan-21

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