



ASTM D6766 - Hydraulic Properties of Geosynthetic Clay Liners Permeated with Potentially Incompatible Aqueous Solutions

Test Number _____ (One Form Per Configuration)

TRI Log # (If Assigned)

Client Company:

Project:

Contact:

				Please include on all shipped materials	
Name		e-mail		Phone	
CC e-mails					

1 GCL Details

Source	<input type="checkbox"/> Production - Field	<input type="checkbox"/> Production - Manufacturer	<input type="checkbox"/> Representative - Manufacturer	<input type="checkbox"/> Other
Manufacturer				
Product				
Sample ID				

2 Permeant Details

Client-Supplied

Leachate

- Analytical data & material safety data sheet provided
- Analytical data provided
- Unknown / TRI to conduct Analytical & Develop Safety Plan

Other _____

TRI Supplied

DI-Water (Long-term ASTM D5887)

0.1 M CaCl₂ (GRI-GCL-3)

Client Prescribed Permeant or Synthetic Leachate _____

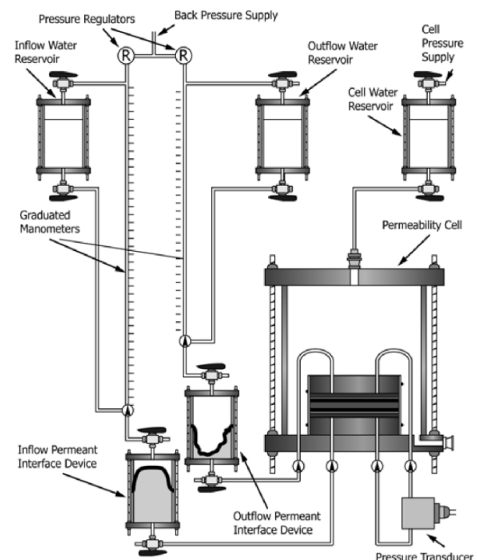


FIG. 3 Schematic Diagram of Test Setup

3 Permeant Introduction / Saturation, Consolidation, and Permeation Fluid

- Scenario 1 - Saturated with Water, Permeate with Provided/Prescribed Permeant
- Scenario 2 - Saturated and Permeate with Provided/Prescribed Permeant
- Other _____

4 Effective Stress

- Standard - 5 psi (80 psi Cell, 75 psi back | 550 kPa/515 kPa)
- 35 and 500 kPa - Two Tests (GRI-GCL3)
- Prescribed _____ psi kPa

5 Monitoring

- Standard - pH and electrical conductivity measurements at start and termination of test

Prescribed IC or other Monitoring _____

6 Termination (Interim reporting at day 4-5 of permeation)

- D6766 - 8.4 - Three Values over 8 hrs, Inflow:Outflow 0.75-1.25, No Significant Upward or Downward Trend, and **2 Pore Volumes**
- 2 Pore Volumes (Default value in D6766 Unless Otherwise Specified)
- Specified Pore Volumes _____
- The hydraulic conductivity exceeds _____ cm/s
- Site specific criteria _____

Please provide a minimum of 2 liters of permeant/leachate. Please include analytical data and material safety data sheets as available prior to and along with shipped material. Please seal and mark as "leachate" at the time of shipping. Please package in bottles and place in sealed secondary containment bags.