TEST NUMBER _____ (One Form Per Test)

TRI Log # (If Assigned)

Please include on all shipped materials

Client Company:						
Project:		PO				
Contact:	Name		e-mail		Phone	
	CC e-mails					

Large Scale Hydrostatic Puncture Testing of Geosynthetics

1 Profile / Components

Manufacturer - Material/Product	Sample ID	Placement*

*Orientation, dry density, water content, etc.

2 Test Method

☐ **A - Cone**

Height of Cone

☐ Single, Prescribed Height ☐ in ☐ mm

☐ Curve Development - Four Heights (To be Determined)

☐ Other - See Special Instructions

☐ **B - Site Specific Soil - Ramp Until Failure**

☐ **C - Site Specific Soil - Hold, End of Test Evaluation**

Hold Pressure

☐ psi ☐ kPa

Hold Time

☐ 24 hrs ☐ 48 hrs ☐ 74 hrs ☐ 5 Days ☐ 7 Days ☐ See Special Instructions

Note - Maximum chamber pressures: 500 psi - Austin, Texas and 2,000 psi - Gold Coast, AU

3 Ramp Rate

☐ 1 psi (7.0 kPa) per minute (Stark, T.D., Boerman, T.R., and Connor, C.J. (2008), Puncture resistance of PVC Geomembranes using truncated cone test, Geosynthetics International, 15, No. 6.)

☐ 1 psi / 7.0 kPa every 30 minutes (ASTM D5514)

☐ Other: ☐ psi/min ☐ kPa/min

Note - 1 psi per minute puncture rates likely result in lower puncture pressures as slower ramping rates may potentially allow for material deformation. It may not be impractical due to time or economic constraints to utilize slower ramping rates for high puncture or holding pressures.

4 Special Instructions

TRI ENVIRONMENTAL, INC.
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