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Client: Galiford Try  
Contract: Skipton FAS Eller beck

Date: 02 November 2016  
Test Report Ref: STR 483269

Order No: 16/259

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### **LABORATORY TEST REPORT**

**TEST REQUIREMENTS:** To determine the Coefficient of Permeability under constant head conditions in a Triaxial Cell in accordance with  
**BS 1377: Part 6 : 1990 : Clause 6.**

### **SAMPLE DETAILS:**

Certificate of sampling received:	Yes
Laboratory Ref. No:	S60462
Client Ref. No:	Lab/16/1310 - SK713
Date and Time of Sampling:	16/09/2016
Date of Receipt at Lab:	21/09/2016
Date of Start of Test:	12/10/2016
Sampling Location:	Top of Dam East
Name of Source:	Soil Hill
Method of Sampling:	Core Cutter
Sampled By:	Client
Material Description:	Brown Mudstone
Target Specification:	N/A

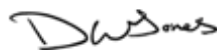
### **RESULTS:**

**See attached**

### **Comments**

None

Certificate  
Prepared by:-



Dyfed Jones  
Job Coordinator

Approved by: -



Eric Goulden  
Technical Manager

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## **TEST RESULTS**

**Sample condition:** **Undisturbed**

**Method of Remoulding (If applicable):** **N/A**

Specimen Details:	Initial:	Final:
Diameter:	99.4 mm	N/A
Height:	105.0 mm	N/A
Moisture Content:	11.4 %	16.3 %
Bulk density:	2.074 Mg/m <sup>3</sup>	2.236 Mg/m <sup>3</sup>
Dry density:	1.862 Mg/m <sup>3</sup>	1.923 Mg/m <sup>3</sup>

**Saturation stage:** **Performed in accordance with clause 5.4.3 - Saturation by increments of cell pressure and back pressure.**

Initial pore pressure coefficient,B:	0.14
Final pore pressure coefficient,B:	0.96
Duration of stage:	9 days

**Consolidation stage:**

Effective pressure:	100 kPa
Duration of stage:	3 days

**Permeability stage:**

Pressure difference across specimen:	20 kPa
Mean effective stress:	90 kPa
Duration of stage	2 days
<b>Coefficient of Permeability (k<sub>v</sub>) at 20°C =</b>	<b>3.2 x 10<sup>-11</sup> m/s</b>