Spink Quarry, Knockbaun, Abbeyleix, Co. Laois

Spink Quarry

Environmental Impact Assessment Report

Appendix 7.1

Production Well Drilling Logs & Notes

2021



Prepared by:

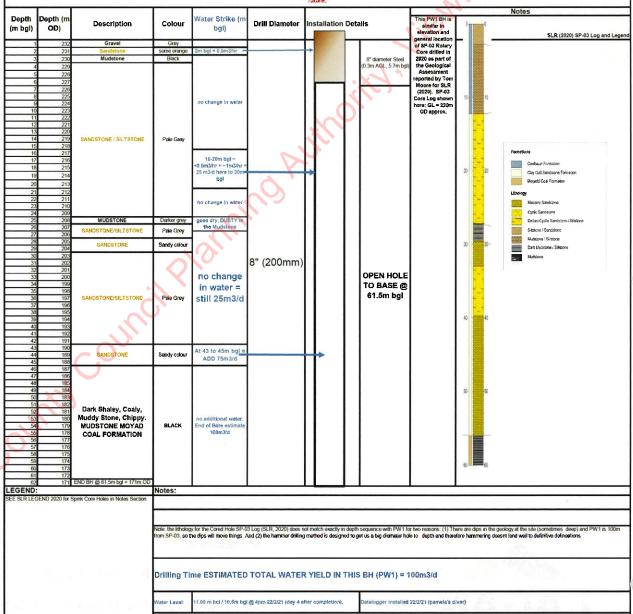
J Sheils Planning & Environmental Ltd

31 Athlumney Castle, Navan, Co. Meath

Drilling ID: PW1 Spink 2021 agan (Breedon Group) Quarry @ Knockbawn, Spink, Co. Site **Hydro-G** Site Location: Townland = Knockbaun 161352_Lagan Spink ITM Easting 653,413; ITM Northing 683,146 Hydro-G Project Ref: National Grid Co-ordinates Client: Lagan (Breedon Group) Date Drilled: 18/02/2021 Drilled By: P Briody & Sons Itd. (Aldan Drilling) Method: DTH Hammer & Compressed Air flush with Atlas Compco Stand alone compressor. Logged By: Pamela Bartley Just opposite entrance gate, opposite eastern gate post, approx 15m into site from gate. Approx 30m from Regional Road edge. This PW1 is 70m BH Location on Site: north of SP-03. BH GL Elevation (m OD) 234.38 BH BASE Elevation (m OD) 172.9 m OD Proposed Deepest Bench Elevation in Future (m OD) 190m OD No Excavation is planned here because it is adjacent to the site's entrance area and just west of the discharge zone. It is therefore an appropriate Proposed Bench Depth at this monitoring point for the future. After pumping test, after permissions, it can easily be converted to a piezometer if necessary. Adjacent area voids proposed base depths are 200 mOD (Western Area) and 190m OD (Eastern Area).

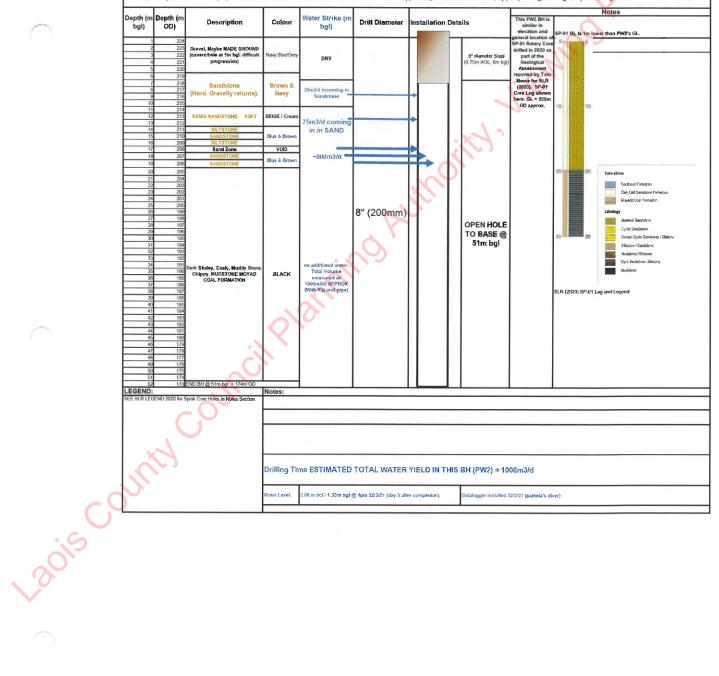
Important Note: This is a BH Log created from Observations during drilling with a Rotary HAMMER Rig rather than Rotary CORE. This log is a description by a hydrogeologist with hydrology, hydrogeological and civil engineering expertise. This log was not created by a GEOLOGIST. SLR's Geologist evaluated Cored Rock returns from 4 Rotary Core Holes and described the Lithology from a Geological Perspective. For appropriate delineation of rock bands, the Rotary Core Record is accurate and should be referred to. The log here is for Hydro focus. The drilling method is hammer and air compressor driven rock spoil returns.

Boundaries are imprecisely evaluated. The purpose of this 8" diameter Production Well Borehole is to create an opportunity to test Water Volumes, by pump testing, that might require management at the site in the future.



		Drilling ID:	PW2 Spink 2021	
			Lagan (Breedon Group) Quarry @ Knockbawn, Spink, Co. Laois	
Live	IVO C	Site Location:	Townland = Knockbaun	
ПУС	iro-G	Hydro-G Project Ref:		
		National Grid Co-ordinates:	ITM Easting 653,091; ITM Northing 683,289	
Client:	Lagan (Breedon Group)			
Date Drilled:	19/02/2021			
Drilled By:	P Briody & Sons td. (Aiden Drilling)			
Method:	DTH Hammer & Compressed Air flush with Atlas Compco Stand alone compressor.			
Logged By:	Pamela Bartley			
BH Location on Site:	In the SW corner, 20m north of the settlement lagoons, lowest elevation of the site. SP-O1 core hole is 80m diatance to the north east.			
BH GL Elevation (m OD)	223.18m OD			
BH BASE Elevation (m OD)	172.2m OD			
Proposed Deepest Bench Elevation in Future (m OD)	190 m OD			
Proposed Bench Depth at this location of the site				
engineering expertise. This log was	not created by a GEOLOGIST. SLR's Geologist e	valuated Cored Rock returns from 4 Rotary Core Holes an	description by a hydrogeologist with hydrology, hydrogeological and cit id described the Lithology from a Geological Perspective. For appropri	

imprecisely evaluated. The purpose of this 8" diameter Production Well Borehole is to create an opportunity to test Water Volumes, by pump testing, that might require menogenent at the sils in the future.



THE REPORT OF THE PARTY.		Drilling ID:	PW3 Spink 2021		
		Site:	Lagan (Breedon Group) Quarry @ Knockbawn, Spink, Co. Laois		
LINE	ro C	Site Location:	Townland = Knockbaun		
Hydro-G		Hydro-G Project Ref:			
		National Grid Co-ordinates:	ITM Easting 653,269; ITM Northing 683,338		
Client:	Lagan (Breedon Group)				
Date Drilled:	22/02/2021				
Drilled By:	P Briody & Sons ltd. (Aidan Drilling)				
Method:	DTH Hammer & Compressed Air flush with Atlas Compco Stand alone compressor.				
Logged By:	Pamela Bartley				
BH Location on Site:	North West of weighbridge on edge of haul road (roadside) on way down to void				
BH GL Elevation (m OD)	228.10m OD				
BH BASE Elevation (m OD)					
Proposed Deepest Bench Elevation in Future (m OD)	190 m OD				
Proposed Bench Depth at this location of the site	No Excavation is planned here because it is on the site's boundary with the Regional Road. It is therefore an appropriate monitoring point for the future.				

Important Note: This is a BH Log created from Observations during drilling with a Rotary HAMMER Rig railner than Rotary CORE. This log is a description by a hydrogeologist with hydrology, hydrogeologist and civil engineering expertise. This log was not created by a GEOLOGIST. SLR's Geologist evaluated Cored Rots returns from 4 Rotary Core Holes and described the Lithology from a Geological Perspective. For appropriate defineation of rock bands, the Rotary Core Rotary Core Roterod is accurate and should be referred to. The log fare is for Hole focus. The drilling method is harmmer and air compressor driven rock spoil returns. Boundaries are imprecisely evaluated.

The purpose of this 8" diameter Production Well Borehole is to create an opportunity to test Water Volumes, by pump testing, that might require management at the site in the future.

