



SOIL BORING LOG

PROJECT NUMBER: **468602**

BORING NUMBER: **P68**

SHEET **1** OF **2**

PROJECT : HCO

LOCATION : Cernay, France (963841.18 N, 322195.83 E)

ELEVATION : 289.29 m

DRILLING CONTRACTOR : Hettmannsperger

DRILLING METHOD AND EQUIPMENT : Cable tool

WATER LEVELS : 5.10 m below ground surface

START : 18/02/2013

END : 19/02/2013

LOGGER : A. Charneau

DEPTH BELOW EXISTING GRADE (m)	INTERVAL (m)		RECOVERY (%)	SOIL DESCRIPTION SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY	SYMBOLIC LOG	PID-10.6 (ppm)	PID-11.7 (ppm)	COMMENTS	WELL DIAGRAM
	Interval 1	Interval 2							
289.3				Pre-drilling by vacuum excavation					
1 288.3									
2 287.3	2.00		100%	1.5-3.5m: SAND & GRAVEL (GW/SW) Dark greyish brown (10YR 4/2) well-graded sand (some; 45%) and gravel (some; 45%) with silt (trace) and cobbles (few; 10%). Sand is medium, angular. Gravel is fine to coarse. Moist.					
3 286.3	3.00		100%						
4 285.3	4.00		100%	3.5-5.1m: SAND & GRAVEL (GW/SW) Dark reddish brown (5YR 3/4) well-graded sand (some; 44%) and gravel (some; 44%) with silt (trace; 2%) and cobbles (few; 10%; up to 20 cm). Sand is fine to coarse, mostly medium. Gravel is fine to coarse, subangular. Moist.					
5 284.3	5.00		100%						
6 283.3	6.00		100%	5.1-8.0m: SAND (SW) Dark yellowish brown (10YR 3/4) well-graded sand (mostly; 54%) with gravel (some; 34%), silt (trace; 2-3%) and cobbles (few; 10%; up to 20 cm). Sand is fine to medium. Gravel is fine to coarse mostly medium, subangular to subrounded. Wet.				Water entry: 5.1mbgs (18/02/13)	
7 282.3	7.00		100%					Water level: 5.93mbgs (21/02/13)	
8 281.3	8.00		100%						
9 280.3	9.00		100%	8.0-13.5m: SAND (SW) Brown (10YR 5/3) well-graded sand (mostly; 63%) with gravel (little; 23%), silt (trace; 4%) and cobbles (few; 10%). Sand is fine to coarse, mostly fine to medium. Gravel is fine to coarse, mostly medium, subangular to subrounded. Wet.					
10 280.3	10.00		100%						



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SHEET 2 OF 2

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ELEVATION : 289.29 m

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DRILLING METHOD AND EQUIPMENT : Cable tool

WATER LEVELS : 5.10 m below ground surface

START : 18/02/2013

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LOGGER : A. Charmeau

DEPTH BELOW EXISTING GRADE (m)	INTERVAL (m)		RECOVERY (%)	SOIL DESCRIPTION	SYMBOLIC LOG	PID-10.6 (ppm)	PID-11.7 (ppm)	COMMENTS	WELL DIAGRAM
	Interval 1 (m)	Interval 2 (m)							
279.3			100%		[Symbolic Log Pattern]				<p style="font-size: small;">Filter Pack (washed silica sand)</p> <p style="font-size: small;">0.75mm slot 50mm PVC Screen</p> <p style="font-size: small;">Filter pack</p>
11 278.3	11.00		100%		[Symbolic Log Pattern]				
12 277.3	12.00		100%	>12.0-13.0m: Sand is mostly medium, angular.	[Symbolic Log Pattern]				
13 276.3	13.00		100%		[Symbolic Log Pattern]				
14 275.3	14.00		100%	13.5-15.2m: SAND (SM) Yellowish brown (10YR 5/8) well-graded sand (mostly: 52%) with gravel (some: 32%) with silt (few; 5-6%) and cobbles (few; 10%; up to 20 cm). Sand is fine to coarse, mostly medium to coarse, angular, oxydation traces. Gravel is medium to coarse, subangular.	[Symbolic Log Pattern]				
15 274.3	15.20			Bottom of Boring at 15.20 m below ground surface	[Symbolic Log Pattern]				