

MONITORING WELL INSTALLATION REPORT

BONNARD & GARDEL Ingénieurs-conseils SAS		Project: HYDRAULIC CONTAINMENT - DU PONT		log-15-eng/181001.dsf Borehole N°: PC2	
Project N°: FF0211.06		Drilling company: Hettmannsperger		Page N°: 1/1	
Site location: CERNAY		Driller: Johann Aiswert		Well depth (m): 13.20	
Logged by: A. Paillard		Rig type:		Total boring depth (m): 14.50	
Checked by:		Drilling method:		Static groundwater depth (m):	
Date started: 02.06.08 - 17h50		Single flight auger and mechanical bailer.		Steel casing elevation (m):	
Date finished:				PVC casing elevation (m):	
				Static groundwater elevation (m):	

SOIL SYMBOL	SOIL DESCRIPTION	SOIL SAMPLE	SAMPLE DEPTH (m)	PID READING (ppm)	REMARKS	WELL DIAGRAM
0	TOP SOIL: silty sand, loose, brown, dry. GRAVELLY SAND and COBBLES: fine to coarse sand and gravel, cobbles (6-20 cm Ø), well graded, dense, brown, dry.					
0.5						
1						
1.5						
2						
2.5						
3	SANDY GRAVEL and COBBLES: trace clay, fine to coarse gravel, cobbles up to 30 cm long or Ø, well graded, very dense, pinkish brown, damp.					
3.5						
4						
4.5						
5						
5.5						
6	At 5.70 m, becomes wet.					
6.5	From 6.00 m, no clay, grey, wet, becomes very dense and cemented.					
7						
7.5						
8						
8.5						
9						
9.5						
10						
10.5	GRAVEL, SAND and COBBLES: fine to coarse gravel and sand, increase in amount and size of cobbles, very dense and cemented, wet.					
11						
11.5						
12						
12.5						
13	As above with some silt, wet (transition layer).					
13.5	Mixture of fine and coarse SAND, SILT, some CLAY, some fine-coarse GRAVEL, trace cobbles, well graded, dense, mottled reddish-orange-yellowish brown, damp.					
14						
14.5						
15	End of hole at 14.50 m					

PROTECTIVE CASING TYPE AND Ø: J & J stainless steel
 PERMANENT CASING TYPE AND Ø: J & J stainless steel
 BACKFILL TYPE: Bentonite cement grout, Schwenk Füllbinder H, special binding material, 50 kg : 30 l water
 WELL SEAL TYPE: 5/10 Wetronit Stüwa Brunnenfilter Bohrdedarf, d-33384 Rietberg
 SCREEN TYPE, Ø AND SLOT SIZE: J & J stainless steel (pieces 5-2-1m = 9.20 m)
 FILTER PACK TYPE AND SIZE: 2-3 mm siliceous sand
 CENTRALIZERS: 4 placed at 0.5 m above well bottom and 4 at 1.0 m below top of screen

REMARKS:

- FIRST ENCOUNTERED GROUNDWATER**
- STATIC GROUNDWATER DEPTH**

04124X0688/PC02