

MONITORING WELL INSTALLATION REPORT

BG	BONNARD & GARDEL Ingénieurs-conseils SAS	Project: HYDRAULIC CONTAINMENT - DU PONT	log-15-eng/181001.dsf
Project N°: FF0211.06	Drilling company: Hettmannsperger	Borehole N°: PC2	
Site location: CERNAY	Driller: Johann Aiswert	Page N° 1/1	
Logged by: A. Paillard	Rig type:	Well depth (m): 13.20	
Checked by:	Drilling method: Single flight auger and mechanical bailer.	Total boring depth (m): 14.50	
Date started: 02.06.08 - 17h50		Static groundwater depth (m):	
Date finished:		Steel casing elevation (m):	
		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.					0
0.5	GRAVELLY SAND and COBBLES: fine to coarse sand and gravel, cobbles (6-20 cm Ø), well graded, dense, brown, dry.					0.5
1						1
1.5						1.5
2						2
2.5						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
3.5						3.5
4						4
4.5						4.5
5						5
5.5						5.5
6	At 5.70 m, becomes wet.					6
6.5	From 6.00 m, no clay, grey, wet, becomes very dense and cemented.					6.5
7						7
7.5						7.5
8						8
8.5						8.5
9						9
9.5						9.5
10						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.					10.5
11						11
11.5						11.5
12						12
12.5						12.5
13	As above with some silt, wet (transition layer).					13
13.5						13.5
14	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						14.5
15	End of hole at 14.50 m					15

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