Appendix 11.1

Trial Pit Logs

ENVIROS

Borehole Log Sheet

Hole I.D:	TP1
Date:	17/02/2004

CAN: TH0710004 Client: Thornton Recycling Ltd. Project: Enniscoffey EIS Location: Enniscoffey Date: 17/02/2004

Logged by: SC Method: Trial Pit (Mechanical Excavator) Well diameter: N/A Well type: N/A Sheet 1 of 1

Top (mbgl)	Base (mbgl)	Strata Description	Samples Taken	Field Testing FID (ppm)		Well Instalation
0	0.3	Well decomposed, amorphous PEAT, with roots near surface and occasional fibres				
0.3	0.7	Stiff to very stiff creamy white CLAY (MARL) with angular fine gravel				
0.7	0.9	Firm dark brown peaty clay with occasional roots				
0.9	1.4	Soft grey brown clayey SILT (TILL), saturated at 1.2m (water ingress from north side)				
1.4	2.4	Soft grey brown saturated organic TILL, water inflow covers base in 2 to 3 minutes				
2.4	3.5	Dense brown clayey and silty angular medium GRAVEL to sub-rounded coarse GRAVEL with occasional rounded COBBLES, and medium SAND replacing finer fractions with depth.				

Base of Borehole (mbgl): 3.5

Remarks:

Groundwater Details		
Strike (mbgl)	Rest (mbgl)	Remarks
1.2		

- = Field analysis not undertaken * = Sample scheduled for analysis

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Borehole Log Sheet

Hole I.D:	TP2
Date:	17/02/2004

CAN: TH0710004 Client: Thornton Recycling Ltd. Project: Enniscoffey EIS Location: Enniscoffey Date: 17/02/2004

Logged by: SC Method: Trial Pit (Mechanical Excavator) Well diameter: N/A Well type: N/A Sheet 1 of 1

Top (mbgl)	Base (mbgl)	Strata Description	Samples Taken	Field Testing FID (ppm)		Well Instalation
0	0.2	Soft dark brown gravelly TOPSOIL				
0.2	1.0	Firm closely fissured rust mottled light grey silty CLAY with angular fine gravel				
1.0	2.0	Medium dense to dense light grey to grey sandy sub-rounded GRAVEL				
2.0	3.2	Dense dark grey sandy sub-rounded GRAVEL and rounded COBBLES				
3.2	3.5	Medium dense light brown saturated sandy GRAVEL and COBBLES				

Base of Borehole (mbgl): 3.5

Remarks:

Groundwater Details		
Strike (mbgl)	Rest (mbgl)	Remarks
3.3		

- = Field analysis not undertaken * = Sample scheduled for analysis

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Borehole Log Sheet

Hole I.D: TP3

CAN:	TH0710004	Client:	Thornton Recycling Ltd.	Project:	Enniscoffey EIS	Location:	Enniscoffey	Date:	17/02/2004
Logged by:	SC	Method:	Trial Pit (Mechanical Excavator)	Well diameter:	N/A	Well type:	N/A	Sheet	1 of 1

Top (mbgl)	Base (mbgl)	Strata Description	Samples Taken	Field Testing FID (ppm)		Well Instalation
0	0.2	Soft dark brown silty TOPSOIL				
0.2	0.5	Stiff light grey silty CLAY				
0.5	1.2	Firm grey silty CLAY with rounded COBBLES and GRAVEL (TILL)				
1.2	2.3	Medium dense to dense light brown and grey sandy rounded GRAVEL				
Base of Borehole (mbgl): 2.3						

Remarks:

Groundwater Details		
Strike (mbgl)	Rest (mbgl)	Remarks
1.9		

- = Field analysis not undertaken * = Sample scheduled for analysis

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ENVIROS

Borehole Log Sheet

Hole I.D: TP4

CAN:	TH0710004	Client:	Thornton Recycling Ltd.	Project:	Enniscoffey EIS	Location:	Enniscoffey	Date:	17/02/2004
Logged by:	SC	Method:	Trial Pit (Mechanical Excavator)	Well diameter:	N/A	Well type:	N/A	Sheet	1 of 1

Top (mbgl)	Base (mbgl)	Strata Description	Samples Taken	Field Testing FID (ppm)		Well Instalation
0	0.45	Soft dark brown amorphous peat with light brown wood fibres and large tree trunk in north of pit. Peat at trunk extends locally to 0.9m depth.				
0.45	1.2	Firm light grey CLAY	0.7			
1.2	2.0	Firm light grey to grey silty TILL with occasional rounded cobbles	1.5			
2.0	2.4	Dense grey SAND with sub-rounded to rounded gravel, becoming saturated at 2.2	2.2			
Base of Borehole (mbgl): 2.4						

Remarks:

Groundwater Details		
Strike (mbgl)	Rest (mbgl)	Remarks
2.2		

- = Field analysis not undertaken * = Sample scheduled for analysis

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Borehole Log Sheet

CAN:	TH0710004	Client:	Thornton Recycling Ltd.	Project:	Enniscoffey EIS	Location:	Enniscoffey	Date:	17/02/2004
Logged by:	SC	Method:	Trial Pit (Mechanical Excavator)	Well diameter:	N/A	Well type:	N/A	Sheet	1 of 1

Hole I.D: TP5

Top (mbgl)	Base (mbgl)	Strata Description	Samples Taken	Field Testing FID (ppm)		Well Installation
0	0.2	Soft dark brown amorphous peat with rootlets and fibres				
0.2	0.4	Stiff light grey marly CLAY	0.3			
0.4	2.0	Firm grey brown sandy sub-rounded to rounded GRAVEL, with sub-rounded COBBLES and BOULDERS increasing with depth	1.5			
Base of Borehole (mbgl): 2.0						

Remarks:	Groundwater Details		
	Strike (mbgl)	Rest (mbgl)	Remarks
	1.8		

- = Field analysis not undertaken * = Sample scheduled for analysis

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ENVIROS

Borehole Log Sheet

CAN:	TH0710004	Client:	Thornton Recycling Ltd.	Project:	Enniscoffey EIS	Location:	Enniscoffey	Date:	17/02/2004
Logged by:	SC	Method:	Trial Pit (Mechanical Excavator)	Well diameter:	N/A	Well type:	N/A	Sheet	1 of 1

Hole I.D: TP6

Top (mbgl)	Base (mbgl)	Strata Description	Samples Taken	Field Testing FID (ppm)		Well Installation
0	0.9	Soft dark brown amorphous peat with rootlets and fibres	0.5			
0.9	1.4	Firm light grey TILL with occasional pebbles	1.2			
1.4	2.3	Firm grey sandy sub-rounded to rounded GRAVEL	1.9			
Base of Borehole (mbgl): 2.3						

Remarks:	Groundwater Details		
	Strike (mbgl)	Rest (mbgl)	Remarks
	2.1		

- = Field analysis not undertaken * = Sample scheduled for analysis

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Borehole Log Sheet

Hole I.D:	TP7
Date:	19/02/2004

CAN: TH0710004 | Client: Thornton Recycling Ltd. | Project: Ennscoffey EIS | Location: Ennscoffey

Logged by: SC | Method: Trial Pit (Mechanical Excavator) | Well diameter: N/A | Well type: N/A | Sheet 1 of 1

Top (mbgl)	Base (mbgl)	Strata Description	Samples Taken	Field Testing FID (ppm)		Well Installation
0	1.1	Very soft dark brown amorphous peat with rootlets and fibres at surface becoming less frequent with depth				
1.1	2.0	Firm light grey highly plastic saturated MARL CLAY	1.2			
2.0	3.0	Dense grey sub-angular to rounded GRAVEL, with sub-rounded COBBLES and BOULDERS	2.5			
Base of Borehole (mbgl): 3.0						

Remarks:

Groundwater Details		
Strike (mbgl)	Rest (mbgl)	Remarks
0.9		
2.2		

- = Field analysis not undertaken * = Sample scheduled for analysis

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Borehole Log Sheet

Hole I.D:	TP8
Date:	19/02/2004

CAN: TH0710004 | Client: Thornton Recycling Ltd. | Project: Ennscoffey EIS | Location: Ennscoffey

Logged by: SC | Method: Trial Pit (Mechanical Excavator) | Well diameter: N/A | Well type: N/A | Sheet 1 of 1

Top (mbgl)	Base (mbgl)	Strata Description	Samples Taken	Field Testing FID (ppm)		Well Installation
0	2.2	Very soft dark brown amorphous peat with fibres and wood fragments. *Strong ammonia smell immediately after excavation*				
2.2	3.5	Firm grey saturated gravelly TILL, with angular gravel	2.8			
Base of Borehole (mbgl): 3.5						

Remarks:
Excavation abandoned and infilled due to very soft conditions in and around excavation. All walls slumped during excavation.

Groundwater Details		
Strike (mbgl)	Rest (mbgl)	Remarks
0.3		
2.2		

- = Field analysis not undertaken * = Sample scheduled for analysis

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Borehole Log Sheet

Hole I.D:	TP9
Date:	19/02/2004

CAN:	TH0710004	Client:	Thornton Recycling Ltd.	Project:	Enniscoffey EIS	Location:	Enniscoffey	Date:	19/02/2004
Logged by:	SC	Method:	Trial Pit (Mechanical Excavator)	Well diameter:	N/A	Well type:	N/A	Sheet	1 of 1

Top (mbgl)	Base (mbgl)	Strata Description	Samples Taken	Field Testing FID (ppm)		Well Instalation
0	0.5	Soft dark brown amorphous peat with roots and fibres. Rushes abundant on surface.				
0.5	0.9	Firm grey MARL CLAY, with angular gravel	0.7			
0.9	2.3	Firm grey gravelly TILL with angular gravel and sub-rounded cobbles	1.6			
Base of Borehole (mbgl): 2.3						

Remarks:

Groundwater Details		
Strike (mbgl)	Rest (mbgl)	Remarks
0.9		
1.8		

- = Field analysis not undertaken * = Sample scheduled for analysis

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ENVIROS

Borehole Log Sheet

Hole I.D:	TP10
Date:	19/02/2004

CAN:	TH0710004	Client:	Thornton Recycling Ltd.	Project:	Enniscoffey EIS	Location:	Enniscoffey	Date:	19/02/2004
Logged by:	SC	Method:	Trial Pit (Mechanical Excavator)	Well diameter:	N/A	Well type:	N/A	Sheet	1 of 1

Top (mbgl)	Base (mbgl)	Strata Description	Samples Taken	Field Testing FID (ppm)		Well Instalation
0	0.3	Soft peaty TOPSOIL. Rushes abundant on surface.				
0.3	0.5	Firm grey MARL CLAY				
0.5	2.5	Firm to stiff closely fissured (crumbly) grey gravelly TILL, with angular cobbles and with clay decreasing and gravel increasing with depth	1.5			
Base of Borehole (mbgl): 2.5						

Remarks:

Groundwater Details		
Strike (mbgl)	Rest (mbgl)	Remarks
2.4		

- = Field analysis not undertaken * = Sample scheduled for analysis

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Borehole Log Sheet

Hole I.D:	TP11
Date:	19/02/2004

CAN:	TH0710004	Client:	Thornton Recycling Ltd.	Project:	Ennlscoffey EIS	Location:	Ennlscoffey	Date:	19/02/2004
Logged by:	SC	Method:	Trial Pit (Mechanical Excavator)	Well diameter:	N/A	Well type:	N/A	Sheet	1 of 1

Top (mbgl)	Base (mbgl)	Strata Description	Samples Taken	Field Testing FID (ppm)		Well Instalation
0	2.3	Very soft light brown saturated amorphous PEAT. Roots abundant in top 0.3m. Bands of light yellow peat with wood fragments.				
2.3	3.0	Firm light grey gravelly sandy TILL, with greater gravel fraction and occasional cobbles below 2.7	2.5			
Base of Borehole (mbgl): 3.0						

Remarks:

Groundwater Details		
Strike (mbgl)	Rest (mbgl)	Remarks
2.75		

- = Field analysis not undertaken * = Sample scheduled for analysis

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