Illinois Environmental Protection Agency

Field Boring Log

Site ID No. _____ Federal ID No. _____

Site Name: _____

Quadrangle: _____ Sec. _____ T. _____ R. _____

UTM (or State Plane) Coord. N. (X) _____ E. (Y) _____

Latitude: ___ ° ___ ' ___ " Longitude: ___ ° ___ ' ___ "

Boring Location: _____

Drilling Equipment: Geoprobe / Hollow Stem Auger

County: Lake

Boring No. _____ Monitoring Well No. VLF-MW-01

Surface Elevation: _____ Completion Depth: 20'

Auger Depth: 20.5' Rotary Depth: _____

Date: Start: 6/8/2010 Finish: 6/8/2010

Personnel

G - C. Dietrich
D - Travis Rodgers
H -
H -

Elev.	Description of Material	Graphic Log	Depth In Feet	Sample No.	Sample Type	Sample Recovery (X)	Penetrometer	N Values (Blow Counts)	OVA or HNU Readings	REMARKS
	ML - light brown silty sandy clay with gravel. 50% clay, 30% silt, 15% sand, 5% gravel 4.5mm - 20mm. Low toughness, slight dilatency, low-med plasticity		2			2'				
	CL - dark brown silty lean clay, med. sand. 60% clay, 30% silt, 5% sand, 5% gravel 4.5mm - 10mm. Med dry strength, slow dilatency, med plasticity.		4			2'				
	CL - dark brown to light brown silty sandy lean clay, med soft. 50% clay, 30% sand, 15% silt, 5% gravel 4.5mm - 10mm. Med dry strength, slow dilatency, med plasticity.		6			2'				
			8			2'				
			10			2'				
			12			2'				
	CL - light grey sandy lean clay, soft to med soft. 60% clay, 20% silt, 20% sand. Slow dilatency, med plasticity.		14			2'				▽
	SC - light brown clayey, silty, fine sand. Med. dense. Poorly graded sand. 60% fine sand, 20% clay, 20% silt.		16			2'				
			18			1'				
	END OF LOG		20			1'				

Field Boring Log (revised 02/02/04

PG No. WI 1271-13

Illinois Environmental Protection Agency

Field Boring Log

Site ID No. _____ Federal ID No. _____

Site Name: _____

Quadrangle: _____ Sec. _____ T. _____ R. _____

UTM (or State Plane) Coord. N. (X) _____ E. (Y) _____

Latitude: ___ ___ ___ (° ' ") Longitude: ___ ___ ___ (° ' ")

Boring Location: _____

Drilling Equipment: Geoprobe / Hollow Stem Auger

County: Lake

Boring No. _____ Monitoring Well No. VLF-MW-02

Surface Elevation: _____ Completion Depth: 15'

Auger Depth: 15' Rotary Depth: _____

Date: Start: 6/8/10 Finish: 6/9/10

Personnel: G - C. Dierich; D - Transhield Inc.; H -; H -

Elev.	Description of Material	Graphic Log	Depth In Feet	Sample No.	Sample Type	Sample Recovery (X)	Penetrometer	N Values (Blow Counts)	OVA or HNU Readings	REMARKS
	CL - light brown silty lean clay trace sand and gravel. Soft to med. soft. 60% clay 30% silt, 5% sand 5% gravel 4.8mm - 15mm med dry strength slow dilatency, med plasticity		2			2'				
			4			2'				
	ML - medium to dark brown silty and organic fine sand with gravel. 40% clay, 40% silt 40% fine sand, 20% gravel 4.8mm - 30mm trace brick & concrete, slight organics, low dry strength, Low plasticity		6			2'				
			8			2				
	SC - light gray to light brown Clayey Sand with silt and gravel Loose to med. dense. 50% Sand 30% Clay 10% silt 10% gravel 4.8mm - 15mm		10			1.5				
			12			1.5'				
	CH - gray brown clay. 80% Clay 10% silt, 5% sand, 5% gravel 4.8mm 15mm high dry strength, No dilatency high plasticity.		14			2'				
	END OF LOG		16			1'				
			18							
			20							

Field Boring Log (revised 02/02/04

PG No. WI 1271-13

Illinois Environmental Protection Agency

Field Boring Log

Site ID No. _____ Federal ID No. _____

Site Name: _____

Quadrangle: _____ Sec. _____ T. _____ R. _____

UTM (or State Plane) Coord. N. (X) _____ E. (Y) _____

Latitude: ___ ° ___ ' ___ " Longitude: ___ ° ___ ' ___ "

Boring Location: _____

Drilling Equipment: Geoprobe / Hollow Stem Auger

County: Lake

Boring No. _____ Monitoring Well No. VLF MW-03

Surface Elevation: _____ Completion Depth: 15'

Auger Depth: 15' Rotary Depth: _____

Date: Start: 6/8/10 Finish: 6/8/10

Elev.	Description of Material	Graphic Log	Depth In Feet	Sample No.	Sample Type	Sample Recovery (X)	Penetrometer	N Values (Blow Counts)	OVA or HNU Readings	REMARKS
	ML - med brown sandy silty clay soft, med dry strength, slow dilatancy, slight plas.									
	CL - light brown sandy silty clay with trace gravel. 70% clay 15% silt 10% sand 5% gravel 4.75mm - 15mm. Soft to med soft med dry strength slow dilatancy low to med plasticity.		2			2'				
			4			2'				
			6			2'				
	CL - dark brown to black silty clay with sand and trace gravel. medium soft. 60% clay, 30% sand, 10% silt, trace gravel 4.75mm - 15mm. medium dry strength, slow dilatancy, low to medium plasticity.		8			1'				
			10			1'				
			12			1'				
			14			1'				
	CH - gray brown clay. 90% clay 5% silt 5% sand trace gravel 4.75mm - 15mm high dry strength, no dilatancy high plasticity, high toughness		16			1'				
	END OF LOG		18							
			20							

Personnel

G -
D -
H -
H -

Field Boring Log (revised 02/02/04

PG No. W1 1271-13

Illinois Environmental Protection Agency

Field Boring Log

Site ID No. _____ Federal ID No. _____

Site Name: _____

Quadrangle: _____ Sec. _____ T. _____ R. _____

UTM (or State Plane) Coord. N. (X) _____ E. (Y) _____

Latitude: ___ ___ ___ Longitude: ___ ___ ___

Boring Location: _____

Drilling Equipment: Geoprobe / Hollow Stem Auger

County: Lake

Boring No. _____ Monitoring Well No. KLF-MW-04

Surface Elevation: _____ Completion Depth: 15'

Auger Depth: 15' Rotary Depth: _____

Date: Start: 6/9/10 Finish: 6/9/10

Elev.	Description of Material	Graphic Log	Depth In Feet	Sample No.	Sample Type	Sample Recovery (X)	Penetrometer	N Values (Blow Counts)	OVA or HNU Readings	REMARKS
	CL- medium brown silty lean clay trace gravel.		2			2'				
	CL- dark yellow to light brown silty lean clay with sand and gravel. 60% clay 15% sand 15% gravel 10% silt.		4			2'				
	CL- light brown silty lean clay. 70% clay 20% silt 10% sand.		6			2'				
	SM- reddish brown silty sand and gravel. loose. 50% well graded sand, 40% silt, 10% gravel 4.75mm-40mm		8			2'				
	GM- light gray silt, sand and gravel loose, 40% gravel 4.75mm - 30mm, 30% sand, 20% sand.		10			2'				
	CL- greenish brown to greenish gray silty lean clay with sand. Soft. 70% clay, 20% silt, 10% sand. Porous, low dry strength, slow dilatency low to medium plasticity		12			2'				
	CH- gray brown clay. Stiff, 80% clay 10% silt 5% sand 5% gravel		14			2'				
			16							
			18							
			20							

Personnel

G - C. Dietrich
D - Transshield
H -
H -

END OF LOG

Field Boring Log (revised 02/02/04

PG No. WI 1271-13

Illinois Environmental Protection Agency

Field Boring Log

Site ID No. _____ Federal ID No. _____

Site Name: _____

Quadrangle: _____ Sec. _____ T. _____ R. _____

UTM (or State Plane) Coord. N. (X) _____ E. (Y) _____

Latitude: ___ ___ ___ Longitude: ___ ___ ___

Boring Location: _____

Drilling Equipment: Geoprobe / Hollow Stem Auger

County: Lake

Boring No. _____ Monitoring Well No. VLF-MW-05

Surface Elevation: _____ Completion Depth: 20'

Auger Depth: 20' Rotary Depth: _____

Date: Start: 6/9/10 Finish: 6/9/10

Personnel

G - C. Dirkhise
D - Trash-N-Vigs
H -
H -

Elev.	Description of Material	Graphic Log	Depth In Feet	Sample No.	Sample Type	Sample Recovery (X)	Penetrometer	N Values (Blow Counts)	OVA or HNU Readings	REMARKS
	CL- dark brown to light brown silty lean clay with gravel. Med soft 70% clay, 20% silt, 10% gravel 4.5mm - 10mm Med dry strength, slow dilatency, med plasticity.		2			2'				
			4			2'				
			6			2'				
	SC- medium brown silty sand with gravel. 70% sand 20% silt, 10% gravel 4.8mm to 20mm		8			2'				
	SW- light gray well graded sand 80% sand 20% silt. Loose.		10			2'				
	CL- light gray silty sandy lean clay. 50% clay 30% silt 20% sand.		12			1'				
			14			1'				
	SW- light gray well graded sand with silt 80% sand 20% sand loose.		16			1'				
	CH- Gray to gray brown clay, 70% clay, 20% sand, 10% silt firm, high dry strength, no dilatency, high plasticity.		18			0.5'				
			20			0.5'				

NB of LOG

Field Boring Log (revised 02/02/04

PG No. 001271-13

Illinois Environmental Protection Agency

Field Boring Log

Site ID No. _____ Federal ID No. _____

Site Name: _____

Quadrangle: _____ Sec. _____ T. _____ R. _____

UTM (or State Plane) Coord. N. (X) _____ E. (Y) _____

Latitude: ____ ° ____ ' ____ " Longitude: ____ ° ____ ' ____ "

Boring Location: _____

Drilling Equipment: Geoprobe / Hollow Stem Auger

County: Lake

Boring No. _____ Monitoring Well No. VLF-MW-06

Surface Elevation: _____ Completion Depth: 15'

Auger Depth: 20' Rotary Depth: _____

Date: Start: 6/9/10 Finish: 6/9/10

Personnel

G - C. Dietrich
D - Farshield IES
H -
H -

Elev.	Description of Material	Graphic Log	Depth In Feet	Sample No.	Sample Type	Sample Recovery (X)	Penetrometer	N Values (Blow Counts)	OVA or HNU Readings	REMARKS
	CL - medium brown lean clay trace gravel. 75% clay, 20% silt, 5% gravel 4.8mm to 15mm. Med dry strength slow dilatency, med plasticity med toughness.		2			2'				
			4			2'				
			6			2'				
	SW - light gray well graded sand. loose. 80% sand 20% silt		8			2'				
	CH - gray brown to light gray clay, trace gravel 90% clay 5% silt, 5% gravel 4.8 to 5mm. high dry strength, no dilatency high plasticity high toughness. Firm.		10			2'				
			12			0.5				
			14			0.25				
			16			0.25				
	Very poor recovery. Appears to be clay and sand		18							
	END OF LOG		20							

Field Boring Log (revised 02/02/04

PG No. W/ 1271-13

Illinois Environmental Protection Agency

Field Boring Log

Site ID No. _____ Federal ID No. _____

Site Name: _____

Quadrangle: _____ Sec. _____ T. _____ R. _____

UTM (or State Plane) Coord. N. (X) _____ E. (Y) _____

Latitude: ° ' " Longitude: ° ' "

Boring Location: _____

Drilling Equipment: Geoprobe / Hollow Stem Auger

County: Lake

Boring No. _____ Monitoring Well No. VLF-MW-07

Surface Elevation: _____ Completion Depth: 15'

Auger Depth: 15' Rotary Depth: _____

Date: Start: 6/9/10 Finish: 6/9/10

Elev.	Description of Material	Graphic Log	Depth In Feet	Sample No.	Sample Type	Sample Recovery (X)	Penetrometer	N Values (Blow Counts)	OVA or HNU Readings	REMARKS
	CL - light brown to dark brown silty lean clay - trace gravel med [illegible] 70% clay 20% silt, 10% gravel 5mm to 10mm, med dry strength, slow to no dilatancy, med plasticity, med toughness.		2			2'				
			4			2'				
						2'				
	SW - light gray well graded sand with silt and gravel. Loose, 60% sand 20% silt, 20% gravel 4.5mm to 20mm		6							
			8							
	CH - gray brown to light gray [illegible] 80% clay, 20% silt, 5% gravel [illegible] high dry strength no dilatancy, high plasticity, high toughness.		10							
			12							
			14							
	Sample Jam, No Recovery									
	END OF LOG		16							
			18							
			20							

Personnel

G -
D -
H -
H -

Field Boring Log (revised 02/02/04

PG No. WI 1271-13