



# Exhibit 1504


The Agency is authorized to require this information under 415 ILCS 5/4 and 21. Disclosure of this information is required. Failure to do so may result in a civil penalty up to \$25,000.00 for each day failure continues, a fine up to \$50,000.00 and imprisonment up to five years. This form has been approved by the Forms Management Center.

DRAFT					Boring Number: SB-1		Page 1 of 1		
Site Name: NRG Joliet Station #29 1800 Channahon Road Address: Joliet, IL 60436					Boring Location		Date: 11/11/2020 Start 12:30 PM <input type="button" value="v"/> Finish 12:50 PM <input type="button" value="v"/>		
Sample Number	Sample Device	Sample Recovery	Lithology Symbol	Depth (feet)	Detailed Soil and Rock Description	Natural Moisture Content %	Hand Penetrometer	OVA/PID/FID/OVM	Remarks
		42"		1	Dark Brown Sand and Gravel with some Clay, slightly moist				
				2	Tan Silty Sand and Gravel, slightly moist				
				3					
				4					
		22"		5					
				6					
				7					
		22"		8					
				9					
				10					
		30"		11					
				12					
				13					
				14	----- 6" gray medium sand layer, slightly moist				
				15					
		4"		16					
				17	End of Boring at 17 ft. bgs.				
				18					
				19					
Note: Stratification lines are approximate; in-situ transition between soil types may be gradual.									
Groundwater Data  ▼ Depth While Drilling N/A ▽ Depth After Drilling N/A					Auger Depth <u>N/A</u> Rig <u>Geoprobe</u> Rotary Depth <u>N/A</u> Geologist <u>Erin Bulson</u> Driller/Co <u>Cabeno Environmental</u> Note: Boring backfilled unless otherwise noted		 Illinois Environmental Protection Agency		


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DRAFT					Boring Number: SB-2		Page 1 of 1		
Site Name: NRG Joliet Station #29 1800 Channahon Road Address: Joliet, IL 60436					Boring Location		Date: 11/11/2020 Start 11:20 PM <input type="button" value="v"/> Finish 11:50 PM <input type="button" value="v"/>		
Sample Number	Sample Device	Sample Recovery	Lithology Symbol	Depth (feet)	Detailed Soil and Rock Description	Natural Moisture Content %	Hand Penetrometer	OVA/PID/FID/OVM	Remarks
		45"		1	Brown Clay with Silty Sand and Gravel, moist				
				2	--Increase Tan Silty Sand				
				3	--Dark brown/black silty clay layer				
				4					
				5	Tan Silty Sand and Gravel, moist				
		32"		6					
				7					
				8					
				9					
				10					
		12"		11					
				12					
				13	End of Boring at 13 ft. bgs.				
				14					
				15					
				16					
				17					
				18					
				19					
Note: Stratification lines are approximate; in-situ transition between soil types may be gradual.									
Groundwater Data ▼ Depth While Drilling N/A ▽ Depth After Drilling N/A					Auger Depth <u>N/A</u> Rig <u>Geoprobe</u> Rotary Depth <u>N/A</u> Geologist <u>Erin Bulson</u> Driller/Co <u>Cabeno Environmental</u> Note: Boring backfilled unless otherwise noted		 Illinois Environmental Protection Agency		


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DRAFT				Boring Number: SB-3		Page 1 of 1			
Site Name: NRG Joliet Station #29 1800 Channahon Road Address: Joliet, IL 60436				Boring Location		Date: 11/11/2020 Start 10:55 AM <input type="button" value="v"/> Finish 11:15 AM <input type="button" value="v"/>			
Sample Number	Sample Device	Sample Recovery	Lithology Symbol	Depth (feet)	Detailed Soil and Rock Description	Natural Moisture Content %	Hand Penetrometer	OVA/PID/FID/OVM	Remarks
		40"		1	Brown Silty Sand and Gravel, slightly moist				
				2	--trace rust-colored mottling				
				3					
				4					
		30"		5	Yellow/Tan Silty Sand and Gravel, slightly moist				
				6					
				7					
				8					
		18"		9					
				10	--Increased cobbles				
				11					
				12					
				13					
		12"		14					
				15					
				16					
				17					
				18	End of boring at 17 ft. bgs.				
				19					
Note: Stratification lines are approximate; in-situ transition between soil types may be gradual.									
Groundwater Data ▼ Depth While Drilling N/A ▽ Depth After Drilling N/A				Auger Depth <u>N/A</u> Rig <u>Geoprobe</u> Rotary Depth <u>N/A</u> Geologist <u>Erin Bulson</u> Driller/Co <u>Cabeno Environmental</u> Note: Boring backfilled unless otherwise noted			 Illinois Environmental Protection Agency		


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DRAFT				Boring Number: SB-4		Page 1 of 1			
Site Name: NRG Joliet Station #29 1800 Channahon Road Address: Joliet, IL 60436				Boring Location		Date: 11/11/2020 Start 10:35 AM <input type="button" value="v"/> Finish 10:50 AM <input type="button" value="v"/>			
Sample Number	Sample Device	Sample Recovery	Lithology Symbol	Depth (feet)	Detailed Soil and Rock Description	Natural Moisture Content %	Hand Penetrometer	OVA/PID/FID/OVM	Remarks
		42"		1	Tan Silty Sand and Gravel with some Brown Clay, Slightly Moist				
				2	Black/Brown Silty Clay, slightly moist				
				3					
				4	Yellow/Tan Silty Silty Sand and Gravel, slightly moist				
				5					
		26"		6	--Increased cobbles				
				7					
				8					
				9					
				10					
		12"		11					
				12	--Trace pink-colored gravel				
				13					
				14					
				15	End of boring at 14 ft. bgs.				
				16					
				17					
				18					
				19					
Note: Stratification lines are approximate; in-situ transition between soil types may be gradual.									
Groundwater Data ▼ Depth While Drilling <u>N/A</u> ▽ Depth After Drilling <u>N/A</u>					Auger Depth <u>N/A</u> Rig <u>Geoprobe</u> Rotary Depth <u>N/A</u> Geologist <u>Erin Bulson</u> Driller/Co <u>Cabeno Environmental</u> Note: Boring backfilled unless otherwise noted		 Illinois Environmental Protection Agency		


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DRAFT					Boring Number: SB-5		Page 1 of 1		
Site Name: NRG Joliet Station #29 1800 Channahon Road Address: Joliet, IL 60436					Boring Location		Date: 11/11/2020 Start 10:05 AM <input type="button" value="v"/> Finish 10:30 AM <input type="button" value="v"/>		
Sample Number	Sample Device	Sample Recovery	Lithology Symbol	Depth (feet)	Detailed Soil and Rock Description	Natural Moisture Content %	Hand Penetrometer	OVA/PID/FID/OVM	Remarks
		36"		1	Gray Sand and Gravel with Brown Clay, slightly moist				
				2	Tan Silty Sand and Gravel, slightly moist				
				3	Black/Brown Clay, slightly moist				
				4	Yellow/Tan Silty Sand and Gravel, slightly moist				
				5	--coarse gravel				
		30"		6	Tan Sand and Gravel, some Coarse Gravel, slightly moist				
				7					
				8					
				9					
				10					
		31"		11					
				12					
				13					
				14					
				15					
		18"		16					
				17					
				18					
				19	End of boring at 18 ft. bgs.				
Note: Stratification lines are approximate; in-situ transition between soil types may be gradual.									
Groundwater Data ▼ Depth While Drilling N/A ▽ Depth After Drilling N/A					Auger Depth <u>N/A</u> Rig <u>Geoprobe</u> Rotary Depth <u>N/A</u> Geologist <u>Erin Bulson</u> Driller/Co <u>Cabeno Environmental</u> Note: Boring backfilled unless otherwise noted		 Illinois Environmental Protection Agency		

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DRAFT				Boring Number: SB-6		Page 1 of 1			
Site Name: NRG Joliet Station #29 1800 Channahon Road Address: Joliet, IL 60436				Boring Location		Date: 11/11/2020 Start 12:55 PM <input type="button" value="v"/> Finish 13:20 PM <input type="button" value="v"/>			
Sample Number	Sample Device	Sample Recovery	Lithology Symbol	Depth (feet)	Detailed Soil and Rock Description	Natural Moisture Content %	Hand Penetrometer	OVA/PID/FID/OVM	Remarks
		44"		1	Brown Silty Clay with Sand and Gravel, slightly moist				
				2	---some rust-colored mottling				
				3					
				4	Yellow/Tan Silty Sand and Gravel, slightly moist				
				5					
				6	-6" black/brown sandy clay layer				
		36"		7	Tan Sand and Gravel, slightly moist				
				8					
				9					
				10	End of boring at 9 ft. bgs.				
				11					
				12					
				13					
				14					
				15					
				16					
				17					
				18					
				19					
Note: Stratification lines are approximate; in-situ transition between soil types may be gradual.									
Groundwater Data ▼ Depth While Drilling N/A ▽ Depth After Drilling N/A				Auger Depth <u>N/A</u> Rig <u>Geoprobe</u> Rotary Depth <u>N/A</u> Geologist <u>Erin Bulson</u> Driller/Co <u>Cabeno Environmental</u> Note: Boring backfilled unless otherwise noted			 Illinois Environmental Protection Agency		

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DRAFT				Boring Number: SB-7		Page 1 of 1			
Site Name: NRG Joliet Station #29 1800 Channahon Road Address: Joliet, IL 60436				Boring Location		Date: 11/11/2020 Start 13:15 PM <input type="button" value="v"/> Finish 13:40 PM <input type="button" value="v"/>			
Sample Number	Sample Device	Sample Recovery	Lithology Symbol	Depth (feet)	Detailed Soil and Rock Description	Natural Moisture Content %	Hand Penetrometer	OVA/PID/FID/OVM	Remarks
		32"		1	Brown Silty Clay with Sand and Gravel, slightly moist ---increase coarse gravel ---increase clay content ---increase yellow/tan silty sand content End of boring at 17 ft. bgs.				
				2					
				3					
				4					
				5					
				6					
				7					
				8					
				9					
				10					
				11					
				12					
				13					
				14					
				15					
				16					
				17					
				18					
				19					
Note: Stratification lines are approximate; in-situ transition between soil types may be gradual.									
Groundwater Data ▼ Depth While Drilling <u>N/A</u> ▽ Depth After Drilling <u>N/A</u>					Auger Depth <u>N/A</u> Rig <u>Geoprobe</u> Rotary Depth <u>N/A</u> Geologist <u>Erin Bulson</u> Driller/Co <u>Cabeno Environmental</u> Note: Boring backfilled unless otherwise noted		 Illinois Environmental Protection Agency		

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DRAFT				Boring Number: SB-8		Page 1 of 1			
Site Name: NRG Joliet Station #29 1800 Channahon Road Address: Joliet, IL 60436				Boring Location		Date: 11/11/2020 Start 13:50 PM <input type="button" value="v"/> Finish 14:20 PM <input type="button" value="v"/>			
Sample Number	Sample Device	Sample Recovery	Lithology Symbol	Depth (feet)	Detailed Soil and Rock Description	Natural Moisture Content %	Hand Penetrometer	OVA/PID/FID/OVM	Remarks
		34"		1	Brown Silty Sand and Gravel, very moist  ---increase clay content  Tan Silty Sand and Gravel, trace Clay  End of boring at 12 ft. bgs.				
				2					
				3					
				4					
				5					
		24"		6					
				7					
				8					
				9					
				10					
		14"		11					
				12					
				13					
				14					
				15					
				16					
				17					
				18					
				19					
Note: Stratification lines are approximate; in-situ transition between soil types may be gradual.									
Groundwater Data ▼ Depth While Drilling <u>N/A</u> ▽ Depth After Drilling <u>N/A</u>					Auger Depth <u>N/A</u> Rig <u>Geoprobe</u> Rotary Depth <u>N/A</u> Geologist <u>Erin Bulson</u> Driller/Co <u>Cabeno Environmental</u> Note: Boring backfilled unless otherwise noted		 Illinois Environmental Protection Agency		

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MWG13-15\_79348




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DRAFT				Boring Number: SB-9		Page 1 of 1			
Site Name: NRG Joliet Station #29 1800 Channahon Road Address: Joliet, IL 60436				Boring Location		Date: 11/12/2020 Start 08:45 AM <input type="button" value="v"/> Finish 09:00 AM <input type="button" value="v"/>			
Sample Number	Sample Device	Sample Recovery	Lithology Symbol	Depth (feet)	Detailed Soil and Rock Description	Natural Moisture Content %	Hand Penetrometer	OVA/PID/FID/OVM	Remarks
		30"		1	Gray/Tan Silty Sand and Gravel with Clay, very moist				
				2	Gray/Black/Tan Sand and Gravel, very moist.				
				3	Brown Clay with Silty Sand and Gravel, moist.				
				4					
		26"		5					
				6	---Increase coarse gravel and sand				
				7					
				8					
				9					
		6"		10					
				11	End of boring at 11 ft. bgs.				
				12					
				13					
				14					
				15					
				16					
				17					
				18					
				19					
Note: Stratification lines are approximate; in-situ transition between soil types may be gradual.									
Groundwater Data ▼ Depth While Drilling N/A ▽ Depth After Drilling N/A				Auger Depth <u>N/A</u> Rig <u>Geoprobe</u> Rotary Depth <u>N/A</u> Geologist <u>Erin Bulson</u> Driller/Co <u>Cabeno Environmental</u> Note: Boring backfilled unless otherwise noted			 Illinois Environmental Protection Agency		

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DRAFT				Boring Number: SB-10		Page 1 of 1			
Site Name: NRG Joliet Station #29 1800 Channahon Road Address: Joliet, IL 60436				Boring Location		Date: 11/11/2020 Start 14:15 PM <input type="button" value="v"/> Finish 14:35 PM <input type="button" value="v"/>			
Sample Number	Sample Device	Sample Recovery	Lithology Symbol	Depth (feet)	Detailed Soil and Rock Description	Natural Moisture Content %	Hand Penetrometer	OVA/PID/FID/OVM	Remarks
		22"		1	Gray/Tan Silty Sand with Trace Clay, moist				
				2					
				3	Brown Clay with Silty Sand and Gravel, Very Moist				
				4					
		12"		5					
				6					
				7					
				8					
				9					
				10					
		17"		11					
				12	---Increase Clay content				
				13					
				14					
				15					
		16"		16					
				17					
				18	Tan Silty Sand and Gravel, moist				
				19	End of boring at 18 ft. bgs.				
Note: Stratification lines are approximate; in-situ transition between soil types may be gradual.									
Groundwater Data ▼ Depth While Drilling N/A ▽ Depth After Drilling N/A				Auger Depth <u>N/A</u> Rig <u>Geoprobe</u> Rotary Depth <u>N/A</u> Geologist <u>Erin Bulson</u> Driller/Co <u>Cabeno Environmental</u> Note: Boring backfilled unless otherwise noted			 Illinois Environmental Protection Agency		

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DRAFT				Boring Number: SB-11		Page 1 of 1			
Site Name: NRG Joliet Station #29 1800 Channahon Road Address: Joliet, IL 60436				Boring Location		Date: 11/12/2020 Start 08:20 AM <input type="button" value="v"/> Finish 08:40 AM <input type="button" value="v"/>			
Sample Number	Sample Device	Sample Recovery	Lithology Symbol	Depth (feet)	Detailed Soil and Rock Description	Natural Moisture Content %	Hand Penetrometer	OVA/PID/FID/OVM	Remarks
		21"		1	Brown Clay with Tan Silty Sand and Gravel, slightly moist				
				2					
				3	--Increase tan sand				
				4					
		21"		5					
				6					
				7					
				8	---coarse gravel				
				9					
				10					
		12"		11	---very moist				
				12					
				13	End of boring at 13 ft. bgs.				
				14					
				15					
				16					
				17					
				18					
				19					
Note: Stratification lines are approximate; in-situ transition between soil types may be gradual.									
Groundwater Data ▼ Depth While Drilling N/A ▽ Depth After Drilling N/A				Auger Depth <u>N/A</u> Rig <u>Geoprobe</u> Rotary Depth <u>N/A</u> Geologist <u>Erin Bulson</u> Driller/Co <u>Cabeno Environmental</u> Note: Boring backfilled unless otherwise noted			 Illinois Environmental Protection Agency		

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DRAFT				Boring Number: SB-12		Page 1 of 1			
Site Name: NRG Joliet Station #29 1800 Channahon Road Address: Joliet, IL 60436				Boring Location		Date: 11/12/2020 Start 09:40 AM <input type="button" value="v"/> Finish 09:55 AM <input type="button" value="v"/>			
Sample Number	Sample Device	Sample Recovery	Lithology Symbol	Depth (feet)	Detailed Soil and Rock Description	Natural Moisture Content %	Hand Penetrometer	OVA/PID/FID/OVM	Remarks
		27"		1	Tan Silty Sand and Gravel, slightly moist				
				2					
				3	--Increase clay content				
				4					
		28"		5					
				6					
				7					
				8	-Increase sand and gravel content				
				9	End of boring at 9 ft. bgs.				
				10					
				11					
				12					
				13					
				14					
				15					
				16					
				17					
				18					
				19					
Note: Stratification lines are approximate; in-situ transition between soil types may be gradual.									
Groundwater Data ▼ Depth While Drilling N/A ▽ Depth After Drilling N/A				Auger Depth <u>N/A</u> Rig <u>Geoprobe</u> Rotary Depth <u>N/A</u> Geologist <u>Erin Bulson</u> Driller/Co <u>Cabeno Environmental</u> Note: Boring backfilled unless otherwise noted			 Illinois Environmental Protection Agency		

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DRAFT				Boring Number: SB-13		Page 1 of 1			
Site Name: NRG Joliet Station #29 1800 Channahon Road Address: Joliet, IL 60436				Boring Location		Date: 11/12/2020 Start 10:15 AM <input type="button" value="v"/> Finish 10:40 AM <input type="button" value="v"/>			
Sample Number	Sample Device	Sample Recovery	Lithology Symbol	Depth (feet)	Detailed Soil and Rock Description	Natural Moisture Content %	Hand Penetrometer	OVA/PID/FID/OVM	Remarks
		7"		1 2 3 4 5	Brown Clay with Sand and Gravel, slightly moist				
		38"		6 7 8 9	Tan Silty Sand and Gravel, slightly moist				
		14"		10 11 12 13					
				14 15 16 17 18 19	End of boring at 13 ft. bgs.				
Note: Stratification lines are approximate; in-situ transition between soil types may be gradual.									
Groundwater Data ▼ Depth While Drilling N/A ▽ Depth After Drilling N/A				Auger Depth <u>N/A</u> Rig <u>Geoprobe</u> Rotary Depth <u>N/A</u> Geologist <u>Erin Bulson</u> Driller/Co <u>Cabeno Environmental</u> Note: Boring backfilled unless otherwise noted			 Illinois Environmental Protection Agency		

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DRAFT					Boring Number: SB-14		Page 1 of 1		
Site Name: NRG Joliet Station #29 1800 Channahon Road Address: Joliet, IL 60436					Boring Location		Date: 11/11/2020 Start 09:53 AM <input type="button" value="v"/> Finish 10:00 AM <input type="button" value="v"/>		
Sample Number	Sample Device	Sample Recovery	Lithology Symbol	Depth (feet)	Detailed Soil and Rock Description	Natural Moisture Content %	Hand Penetrometer	OVA/PID/FID/OVM	Remarks
		37"		1	Light Gray/Tan Silty Sand and Gravel, slightly moist				
				2					
				3	Brown Clay with Yellow Sand and Gravel, slightly moist				
				4	---some rust-colored mottling				
		12"		5					
				6	End of boring at 6 ft. bgs.				
				7					
				8					
				9					
				10					
				11					
				12					
				13					
				14					
				15					
				16					
				17					
				18					
				19					
Note: Stratification lines are approximate; in-situ transition between soil types may be gradual.									
Groundwater Data ▼ Depth While Drilling N/A ▽ Depth After Drilling N/A					Auger Depth <u>N/A</u> Rig <u>Geoprobe</u> Rotary Depth <u>N/A</u> Geologist <u>Erin Bulson</u> Driller/Co <u>Cabeno Environmental</u> Note: Boring backfilled unless otherwise noted		 Illinois Environmental Protection Agency		

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MWG13-15\_79354


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DRAFT				Boring Number: SB-15		Page 1 of 1			
Site Name: NRG Joliet Station #29 1800 Channahon Road Address: Joliet, IL 60436				Boring Location		Date: 11/12/2020 Start 09:20 AM <input type="button" value="v"/> Finish 09:45 AM <input type="button" value="v"/>			
Sample Number	Sample Device	Sample Recovery	Lithology Symbol	Depth (feet)	Detailed Soil and Rock Description	Natural Moisture Content %	Hand Penetrometer	OVA/PID/FID/OVM	Remarks
		34"		1	Brown/Gray Silty Sand and Gravel with Clay, slightly moist.				
				2					
				3	--6" tan fine sand layer				
				4					
				5	---Increase clay content				
				6					
				7					
				8					
		30"		9					
				10					
				11	Tan Fine Sand and Gravel, moist				
				12					
		15"		13					
				14					
				15					
		10"		16					
				17	End of boring at 16 ft. bgs.				
				18					
				19					
Note: Stratification lines are approximate; in-situ transition between soil types may be gradual.									
Groundwater Data ▼ Depth While Drilling <u>N/A</u> ▽ Depth After Drilling <u>N/A</u>				Auger Depth <u>N/A</u> Rig <u>Geoprobe</u> Rotary Depth <u>N/A</u> Geologist <u>Erin Bulson</u> Driller/Co <u>Cabeno Environmental</u> Note: Boring backfilled unless otherwise noted			 Illinois Environmental Protection Agency		

IL 532-2275  
LPC 501 Rev June 2004

MWG13-15\_79355

The Agency is authorized to require this information under 415 ILCS 5/4 and 21. Disclosure of this information is required. Failure to do so may result in a civil penalty up to \$25,000.00 for each day failure continues, a fine up to \$50,000.00 and imprisonment up to five years. This form has been approved by the Forms Management Center.

DRAFT				Boring Number: SB-16		Page 1 of 1			
Site Name: NRG Joliet Station #29 1800 Channahon Road Address: Joliet, IL 60436				Boring Location		Date: 11/12/2020 Start 10:50 AM <input type="button" value="v"/> Finish 11:05 AM <input type="button" value="v"/>			
Sample Number	Sample Device	Sample Recovery	Lithology Symbol	Depth (feet)	Detailed Soil and Rock Description	Natural Moisture Content %	Hand Penetrometer	OVA/PID/FID/OVM	Remarks
		36"		1	Dark Brown Silty Sand and Gravel, slightly moist				
				2	Brown Clay with Sand and Gravel, slightly moist				
				3	Tan Silty Sand and Gravel, slightly moist				
				4					
				5					
		36"		6					
				7					
				8	Tan Fine Sand and Gravel, moist				
				9	---coarse gravel				
				10					
		30"		11					
				12					
				13					
				14					
				15	End of boring at 14.5 ft. bgs.				
				16					
				17					
				18					
				19					
Note: Stratification lines are approximate; in-situ transition between soil types may be gradual.									
Groundwater Data ▼ Depth While Drilling <u>N/A</u> ▽ Depth After Drilling <u>N/A</u>					Auger Depth <u>N/A</u> Rig <u>Geoprobe</u> Rotary Depth <u>N/A</u> Geologist <u>Erin Bulson</u> Driller/Co <u>Cabeno Environmental</u> Note: Boring backfilled unless otherwise noted		 Illinois Environmental Protection Agency		