



Civil & Environmental Consultants, Inc.
 4274 Glendale Milford Road
 Cincinnati, Ohio 45242

BORING NUMBER MP-8AR

CLIENT <u>St. Bernard</u>	PROJECT NAME <u>MP Install</u>
CEC PROJECT NUMBER <u>100-194</u>	PROJECT LOCATION <u>Former St. Bernard Landfill</u>
DATE STARTED <u>11/17/11</u> COMPLETED <u>11/17/11</u>	GROUND ELEVATION <u>NA</u> HOLE SIZE <u>3 inch</u>
DRILLING CONTRACTOR <u>Jersey West</u>	GROUND WATER LEVELS:
DRILLING METHOD <u>Direct Push</u>	AT TIME OF DRILLING <u>None</u>
LOGGED BY <u>RJS</u> CHECKED BY <u>RH</u>	AT END OF DRILLING <u>Dry</u>
LOCATION <u>16' East of MP-8R and 14' South of fence</u>	∇ .5 hours AFTER DRILLING <u>12.3 ft / Elev 0.0 ft</u>

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
0					
	DP 1	75		Brown silty CLAY, few brick fragments	<p>Concrete</p> <p>Bentonite Seal</p> <p>Sand Pack</p>
				3.0	
	DP 2	75		GRAVEL	
				3.8	
5				Olive with reddish mottling silty CLAY, stiff	
	DP 3	90		Noted piece of pottery at 7'. Grayish-green clayey SILT, very soft	
				7.0	
	DP 4	90		Grayish-green silty CLAY	
				9.0	
10					
	DP 5	100		Noted 2" peat layer at 12.5'.	
				13.0	
Bottom of hole at 13.0 feet					
Initial methane reading = 0%, 3:40-3:42 PM 11/17/2011.					

GENERAL_BH / TP / WELL_100-194 ST BERNARD_MP INSTALL.GPJ GOOD TEMPLATE.GDT 12/5/11



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BORING NUMBER MP-8BR

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CLIENT <u>St. Bernard</u>	PROJECT NAME <u>MP Install</u>
CEC PROJECT NUMBER <u>100-194</u>	PROJECT LOCATION <u>Former St. Bernard Landfill</u>
DATE STARTED <u>11/17/11</u> COMPLETED <u>11/17/11</u>	GROUND ELEVATION <u>NA</u> HOLE SIZE <u>3 inch</u>
DRILLING CONTRACTOR <u>Jersey West</u>	GROUND WATER LEVELS:
DRILLING METHOD <u>Direct Push</u>	▽ AT TIME OF DRILLING <u>14.8 ft / Elev 0.0 ft</u>
LOGGED BY <u>RJS</u> CHECKED BY <u>RH</u>	AT END OF DRILLING <u>---</u>
LOCATION <u>16' East of MP-8CR, 15.5' South of fence</u>	▽ 2.5 hours AFTER DRILLING <u>2.9 ft / Elev 0.0 ft</u>

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
0				Brown silty CLAY, noted layers of pea gravel	<p>Concrete Bentonite Seal Sand Pack</p>
3.0	DP 1	75		Noted corrugated pipe at 3'. Concrete	
3.5				Olive silty CLAY, noted glass and pottery	
5				Noted brick from 5' to 8'. Noted wood pieces at 5.5' and 6'.	
8.0	DP 2	80		Grayish-green clayey SILT with fine sand	
10				Wet, very soft from 9' to 10'.	
14.3	DP 3	75			
14.8				PEAT	
15.0				SAND and GRAVEL, wet	
<p>Bottom of hole at 15.0 feet</p> <p>Initial methane reading = 0%, 12:42-12:45 PM 11/17/2011. Initial vacuum = -0.37" water.</p>					

GENERAL_BH / TP / WELL_100-194 ST BERNARD MP INSTALL.GPJ_GOOD TEMPLATE.GDT_12/5/11



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BORING NUMBER MP-8CR

CLIENT <u>St. Bernard</u>	PROJECT NAME <u>MP Install</u>
CEC PROJECT NUMBER <u>100-194</u>	PROJECT LOCATION <u>Former St. Bernard Landfill</u>
DATE STARTED <u>11/17/11</u> COMPLETED <u>11/17/11</u>	GROUND ELEVATION <u>NA</u> HOLE SIZE <u>3 inch</u>
DRILLING CONTRACTOR <u>Jersey West</u>	GROUND WATER LEVELS:
DRILLING METHOD <u>Direct Push</u>	AT TIME OF DRILLING <u>None</u>
LOGGED BY <u>MJM</u> CHECKED BY <u>RH</u>	▼ AT END OF DRILLING <u>7.0 ft / Elev 0.0 ft</u>
LOCATION <u>15.5' South of fence, 5' West of MP-8C</u>	▼ 4 hours AFTER DRILLING <u>3.7 ft / Elev 0.0 ft</u>

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
0					
	DP 1	60		Brown silty CLAY, some pea gravel	<p>Concrete</p> <p>Bentonite Seal</p> <p>Sand Pack</p>
5	DP 2	60		▼ Concrete from 4.5' to 5', wet on top of concrete. Pushed concrete in tip, wood noted	
	DP 3	10		▼	
10	DP 4	80		10.0 Gray silty CLAY, soft	
	DP 5	80		12.5 Grayish-green clayey SILT, wet, soft	
15				14.5 Becoming silty fine sand at 14'. Noted 0.5" of wood at 14'. 15.0 Grayish-green silty SAND, noted coarse sand and gravel at 15' Bottom of hole at 15.0 feet	
				Initial methane reading = 0%, 11:30 AM 11/17/2011 and 0%, 12:24-12:26 AM. Vacuum = 0.1" water	

GENERAL BH / TP / WELL 100-194 ST BERNARD MP INSTALL.GPJ GOOD TEMPLATE.GDT 12/5/11



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BORING NUMBER MP-8R

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CLIENT <u>St. Bernard</u>	PROJECT NAME <u>MP Install</u>
CEC PROJECT NUMBER <u>100-194</u>	PROJECT LOCATION <u>Former St. Bernard Landfill</u>
DATE STARTED <u>11/17/11</u> COMPLETED <u>11/17/11</u>	GROUND ELEVATION <u>NA</u> HOLE SIZE <u>3 inch</u>
DRILLING CONTRACTOR <u>Jersey West</u>	GROUND WATER LEVELS:
DRILLING METHOD <u>Direct Push</u>	∇ AT TIME OF DRILLING <u>10.0 ft / Elev 0.0 ft</u>
LOGGED BY <u>RJS</u> CHECKED BY <u>RH</u>	∇ AT END OF DRILLING <u>3.0 ft / Elev 0.0 ft</u>
LOCATION <u>16' East of MP-8BR, 14.5' South of fence, 5' West of VB</u>	AFTER DRILLING <u>---</u>

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
0					
0 - 5	DP 1	60		Brown silty CLAY, minor brick noted 2.0 2.3 Asphalt fragments Brown silty CLAY, noted shingles at 3' Noted asphalt fragments at 4.5'. Very soft from 4.5' to 5'.	<p>Concrete Bentonite Seal Sand Pack</p>
5 - 7	DP 2	75		6.0 Brownish-gray silty fine SAND 7.0 Olive silty CLAY, soft	
7 - 14	DP 3	75		9.5 ∇ Grayish-green clayey SILT, wet, very soft Some fine sand and wet from 10' to 14'. 14.0 Bottom of hole at 14.0 feet Initial methane reading = 0%, 2:30-2:32 PM 11/17/2011	

GENERAL BH / TP / WELL_100-194 ST BERNARD MP INSTALL.GPJ GOOD TEMPLATE.GDT 12/5/11



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BORING NUMBER MP-8D

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CLIENT <u>St. Bernard</u>	PROJECT NAME <u>MP Install</u>
CEC PROJECT NUMBER <u>100-194</u>	PROJECT LOCATION <u>Former St. Bernard Landfill</u>
DATE STARTED <u>6/29/12</u> COMPLETED <u>6/29/12</u>	GROUND ELEVATION _____ HOLE SIZE _____
DRILLING CONTRACTOR <u>Jersey West</u>	GROUND WATER LEVELS:
DRILLING METHOD <u>Direct Push</u>	AT TIME OF DRILLING <u>---</u>
LOGGED BY <u>CHW</u> CHECKED BY <u>RH</u>	AT END OF DRILLING <u>---</u>
LOCATION <u>7' West of MP-8C, 3' South of fence</u>	AFTER DRILLING <u>---</u>

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
0					
0.7				Brown CLAY, little fine to coarse sand, little gravel, dry, hard (FILL) Fine to coarse SAND, dry to saturated (FILL)	
5					
9.0				Dark gray to green clayey SILT and silty CLAY, trace fine to coars sand, saturated, soft (NATURAL)	
11.5	DP 1	83		Light gray clayey SILT, some fine to coarse sand, some gravel, saturated, soft (NATURAL)	
14.0	DP 2	96		Fine to coarse SAND and GRAVEL, saturated, dense (NATURAL)	
16.0				Trace peat layer (less than 1' thick) at 15.3'	
				Bottom of hole at 16.0 feet	

GENERAL BH / TP / WELL 100-194 ST BERNARD MP INSTALL.GPJ GOOD TEMPLATE.GDT 7/9/12



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BORING NUMBER MP-8E

CLIENT <u>St. Bernard</u>	PROJECT NAME <u>MP Install</u>
CEC PROJECT NUMBER <u>100-194</u>	PROJECT LOCATION <u>Former St. Bernard Landfill</u>
DATE STARTED <u>6/29/12</u> COMPLETED <u>6/29/12</u>	GROUND ELEVATION _____ HOLE SIZE _____
DRILLING CONTRACTOR <u>Jersey West</u>	GROUND WATER LEVELS:
DRILLING METHOD <u>Direct Push</u>	AT TIME OF DRILLING <u>---</u>
LOGGED BY <u>CHW</u> CHECKED BY <u>RH</u>	AT END OF DRILLING <u>---</u>
LOCATION <u>8' East of MP-8C, 3' South of fence</u>	AFTER DRILLING <u>---</u>

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
0					
0.7				Brown CLAY, little fine to coarse sand, little gravel, dry, hard (FILL) Fine to coarse SAND, dry to saturated (FILL)	Concrete Bentonite Seal
5					
9.3				Gray clayey SILT, trace fine to coarse sand, saturated, soft (NATURAL)	Sand Pack
10	DP 1	94			
12.0				Gray clayey SILT, some fine to coarse sand, some gravel, saturated, soft (NATURAL)	1" Sch. 40 slotted PVC pipe
15	DP 2	81			
15.5				Very dark brown to black fine to coarse SAND and GRAVEL, saturated, dense (NATURAL)	Bentonite
16.0				Bottom of hole at 16.0 feet	

GENERAL BH / TP / WELL 100-194 ST BERNARD MP INSTALL.GPJ GOOD TEMPLATE.GDT 7/9/12



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BORING NUMBER MP-8F

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CLIENT <u>St. Bernard</u>	PROJECT NAME <u>MP Install</u>
CEC PROJECT NUMBER <u>100-194</u>	PROJECT LOCATION <u>Former St. Bernard Landfill</u>
DATE STARTED <u>6/29/12</u> COMPLETED <u>6/29/12</u>	GROUND ELEVATION _____ HOLE SIZE _____
DRILLING CONTRACTOR <u>Jersey West</u>	GROUND WATER LEVELS:
DRILLING METHOD <u>Direct Push</u>	AT TIME OF DRILLING <u>---</u>
LOGGED BY <u>CHW</u> CHECKED BY <u>RH</u>	AT END OF DRILLING <u>---</u>
LOCATION <u>3' West of MP-8B, 3' South of fence</u>	AFTER DRILLING <u>---</u>

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
0					
0.7				Brown CLAY, little fine to coarse sand, little gravel, hard, dry (FILL) Fine to coarse SAND, dry to saturated (FILL)	
5					
9.5	DP 1	88		Gray clayey SILT, fine to coarse sand, very moist to saturated, soft (NATURAL)	
13.0				Gray to brown fine to coarse SAND and GRAVEL, saturated, dense (NATURAL)	
15	DP 2	88			
17.0				Bottom of hole at 17.0 feet	

GENERAL BH / TP / WELL 100-194 ST BERNARD MP INSTALL.GPJ GOOD TEMPLATE.GDT 7/9/12



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BORING NUMBER MP-8G

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CLIENT <u>St. Bernard</u>	PROJECT NAME <u>MP Install</u>
CEC PROJECT NUMBER <u>100-194</u>	PROJECT LOCATION <u>Former St. Bernard Landfill</u>
DATE STARTED <u>6/29/12</u> COMPLETED <u>6/29/12</u>	GROUND ELEVATION _____ HOLE SIZE _____
DRILLING CONTRACTOR <u>Jersey West</u>	GROUND WATER LEVELS:
DRILLING METHOD <u>Direct Push</u>	AT TIME OF DRILLING <u>---</u>
LOGGED BY <u>CHW</u> CHECKED BY <u>RH</u>	AT END OF DRILLING <u>---</u>
LOCATION <u>4' East of MP-8A, 3' South of fence</u>	AFTER DRILLING <u>---</u>

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
0					
0.7				Brown CLAY, little fine to coarse sand, little gravel, dry, hard (FILL) Fine to coarse SAND, dry to saturated (FILL)	Concrete Bentonite Seal
5					
9.5				Gray to grayish-green clayey SILT, little fine to coarse sand, saturated, soft (NATURAL)	Sand Pack
10	DP 1	68			1" Sch. 40 slotted PVC pipe
14.0				Gray clayey SILT, little to some fine to coarse sand, trace fine gravel, peat fragment at 15.5', saturated, soft (NATURAL)	
15	DP 2	96			
16.0				Fine to coarse SAND and GRAVEL, saturated, dense (NATURAL)	Bentonite and Sand
18.0				Bottom of hole at 18.0 feet	

GENERAL BH / TP / WELL 100-194 ST BERNARD MP INSTALL.GPJ GOOD TEMPLATE.GDT 7/9/12



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CITY OF ST. BERNARD

JOB NO.: 200610

LOG OF MP-9

St. Bernard, Ohio

Sheet 1 of 1

LOGGED BY: PCS

GROUND SURFACE ELEVATION:

DRILLER: Jersey West Drilling

TOP OF CASING ELEVATION:

DATE DRILLED: 08/14/00

INITIAL WATER LEVEL: 12 ft. BGS

DATE: 08/14/00

DRILL METHOD: 4 1/4 IN. HSA

STATIC WATER LEVEL:

DATE:

HNu (ppm)	Recovery (in.)	Blow Counts	Elevation, MSL	Depth (ft.)	Graphic Log	Materials Description	Well Completion
5.3						No sample, Vapor reading from open bore hole	
4.9	3	50/3		5	Concrete		
0.0	3	14-6 4-4			Gray silty CLAY w/ fine sand, moist, trace concrete and metal, moist, stiff (FILL)		
0.0	18	2-2 2-2		10	Olive gray silty CLAY w/ fine sand and brown oxidized areas through sample, moist, soft		
0.0	21	1-1 1-1			Very soft		
					Gray silty fine SAND, wet, very loose		
				15		Boring terminated at 13 feet	
				20			
				25			



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CITY OF ST. BERNARD

JOB NO.: 200610

LOG OF MP-10

St. Bernard, Ohio

Sheet 1 of 1

LOGGED BY: PCS

GROUND SURFACE ELEVATION:

DRILLER: Jersey West Drilling

TOP OF CASING ELEVATION:

DATE DRILLED: 08/14/00

INITIAL WATER LEVEL: 12.5 ft. BGS

DATE: 08/14/00

DRILL METHOD: 4 1/4 IN. HSA

STATIC WATER LEVEL:

DATE:

HNu (ppm)	Recovery (in.)	Blow Counts	Elevation, MSL	Depth (ft.)	Graphic Log	Materials Description	Well Completion
1.8						No sample, Vapor reading from soil cuttings	
1.2	17	5-18 5-5		5	+	Gray silty CLAY w/ fine to medium sand, glass, concrete, metal, rubber, and fine gravel, wet in concrete fragments at 6.7 to 7 feet, very stiff (FILL)	
0	18	1-3 4-4			+	Gray silty CLAY w/ roots and black organic stains, moist, medium stiff (FILL)	
						Soft	
1.0	22	1-1 2-1		10	+	Gray fine sandy silty CLAY w/ medium sand, moist, very soft	
1.9	16	1-1 1-2			+	Gray fine SAND, wet, very loose	
				15		Boring terminated at 13 feet	
				20			
				25			



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CITY OF ST. BERNARD

JOB NO.: 200610

LOG OF MP-II

Sheet 1 of 1

St. Bernard, Ohio

LOGGED BY: PCS

GROUND SURFACE ELEVATION:

DRILLER: Jersey West Drilling

TOP OF CASING ELEVATION:

DATE DRILLED: 08/15/00

INITIAL WATER LEVEL: 5 ft. BGS

DATE: 08/15/00

DRILL METHOD: 4 1/4 IN. HSA

STATIC WATER LEVEL:

DATE:

HNu (ppm)	Recovery (in.)	Blow Counts	Elevation, MSL	Depth (ft.)	Graphic Log	Materials Description	Well Completion
1.8						No sample, Vapor reading from open bore hole	
0.1	5	1-1 1-1		5	+	Brown grading to black silty CLAY w/ fine gravel, concrete, metal, wood, and roots, wet, organic odor, very soft (FILL) No recovery, wet	
N/A	N/A	3-2 2-3					
N/A	N/A	N/A				Soft	
N/A	N/A	4-3 3-4		10	+	No recovery, wet, wood and metal from cuttings	
0	20	1-2 4-8				Black silty fine SAND, wet grades to fine sand at 13.5 feet, medium stiff	
				15		Boring terminated at 14 feet	
				20			
				25			



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CITY OF ST. BERNARD

JOB NO.: 200610

LOG OF MP-12

St. Bernard, Ohio

Sheet 1 of 1

LOGGED BY: PCS	GROUND SURFACE ELEVATION:
DRILLER: Jersey West Drilling	TOP OF CASING ELEVATION:
DATE DRILLED: 08/15/00	INITIAL WATER LEVEL: DATE:
DRILL METHOD: 4 1/4 IN. HSA	STATIC WATER LEVEL: DATE:

HNu (ppm)	Recovery (in.)	Blow Counts	Elevation, MSL	Depth (ft.)	Graphic Log	Materials Description	Well Completion
9.3						No sample, Vapor reading from open bore hole	
1.3	12	3-4 4-8		5	+	0.3% Methane - Gray to dark brown silty CLAY w/ medium sand, glass, and wood, moist, medium stiff	
N/A	N/A	3-5 8-7				1.7% Methane - No recovery, wood in shoe	
0.0	12	3-8 9-6		10	+	3.0% Methane - Gray silty CLAY w/ paper, wood, and foundry sand, moist, very stiff	
N/A	N/A	2-3 13-18				9.0% Methane - No recovery	
0.0	2	2-3 3-7		15	///	1.2% Methane - Gray silty CLAY w/ black organic discoloration, moist, medium stiff	
0.0	18	4-4 3-3				Gray silty CLAY, moist, medium stiff	
						Boring terminated at 17 feet	
				20		NOTE: Methane readings from open bore hole at depth	
				25			



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BORING NUMBER MP-12B

PAGE 1 OF 1

CLIENT St. Bernard	PROJECT NAME MP Install
CEC PROJECT NUMBER 100-194	PROJECT LOCATION Former St. Bernard Landfill
DATE STARTED 6/8/10	COMPLETED 6/8/10
DRILLING CONTRACTOR Jersey West	GROUND ELEVATION NA
DRILLING METHOD Direct Push	HOLE SIZE 4 inch
LOGGED BY MJM	CHECKED BY RH
LOCATION See Map	GROUND WATER LEVELS:
	AT TIME OF DRILLING None
	AT END OF DRILLING ---
	AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
0				0.4 Topsoil	
	DP 1	93		2.1 Brown clayey SILT, trace coarse sand, trace gravel, noted iron staining, moist, stiff	Concrete Seal Bentonite
				4.0 Brown clayey SAND, trace gravel, noted glass, porcelain, wood pieces, sheet plastic, and cinders, orange mottling in areas, moist, soft	
5	DP 2	35		8.0 Black clayey SAND, trace gravel, few concrete and plastic pieces, moist becoming wet at bottom	
				8.3 <i>sample retained from 4' to 5'</i>	
				8.3 Black clayey SAND, trace gravel, few concrete and plastic pieces, wet	
10	DP 3	8		12.0	Screen
				12.7 Dark gray and black clayey SILT, moist to wet, soft	
	DP 4	53		14.4 Black SAND and gravel, some clay at top and bottom with gravel, sorted fine and medium sand from 13.2' to 13.7', wet, loose	Sand Backfill
15				16.0 Black SAND and gravel, wet, loose	
	DP 5	73		17.9 Gray SILT, trace clay, few gravel at top, wet, stiff	
20				18.9	
				20.0 Bottom of hole at 20.0 feet	

GENERAL BH / TP / WELL 100-194 ST BERNARD MP INSTALL.GPJ GOOD TEMPLATE.GDT 11/17/11



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 Cincinnati, Ohio 45242

BORING NUMBER MP-12A

CLIENT <u>St. Bernard</u>	PROJECT NAME <u>MP Install</u>
CEC PROJECT NUMBER <u>100-194</u>	PROJECT LOCATION <u>Former St. Bernard Landfill</u>
DATE STARTED <u>6/8/10</u> COMPLETED <u>6/8/10</u>	GROUND ELEVATION <u>NA</u> HOLE SIZE <u>4 inch</u>
DRILLING CONTRACTOR <u>Jersey West</u>	GROUND WATER LEVELS:
DRILLING METHOD <u>Direct Push</u>	AT TIME OF DRILLING <u>None</u>
LOGGED BY <u>MJM</u> CHECKED BY <u>RH</u>	AT END OF DRILLING <u>---</u>
LOCATION <u>See Map</u>	AFTER DRILLING <u>---</u>

ELEVATION (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY % (RQD)	BLOW COUNTS (N VALUE)	POCKET PEN. (tsf) T=Torvane	▲ SPT N VALUE ▲						
								PL	MC	LL	□ FINES CONTENT (%) □			
0		Topsoil	0.0											
0		Brown clayey SILT, trace sand, trace gravel, few brick, concrete, and glass fragments, slightly moist, medium stiff		DP 1	83									
0		Black clayey SAND, few concrete and metal fragments, moist, loose												
0		Black clayey SAND, noted concrete and carpet, strong odor, moist, loose	5.0	DP 2	10									
0		Dark gray and black clayey SILT, few brick fragments, noted tar-like material, soft	10.0	DP 3	8									
0		Dark gray and black clayey SILT, few brick fragments, noted tar-like material and strong odor, very moist, soft <i>sample retained from 12' to 12.3'</i>	15.0	DP 4	28									
0		Gray clayey SAND, few gravel, noted copper tubing, wet, medium stiff												
0		Gray SAND, trace gravel, wet, loose		DP 5	43									
0		Bottom of hole at 20.0 feet.	20.0											

CEC CUSTOM LOG 100-194 ST BERNARD MP INSTALL.GPJ GOOD TEMPLATE.GDT 7/8/10



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CITY OF ST. BERNARD

JOB NO.: 200610

LOG OF MP-13

Sheet 1 of 1

St. Bernard, Ohio

LOGGED BY: PCS

GROUND SURFACE ELEVATION:

DRILLER: Jersey West Drilling

TOP OF CASING ELEVATION:

DATE DRILLED: 08/15/00

INITIAL WATER LEVEL:

DATE:

DRILL METHOD: 4 1/4 IN. HSA

STATIC WATER LEVEL:

DATE:

HNu (ppm)	Recovery (in.)	Blow Counts	Elevation, MSL	Depth (ft.)	Graphic Log	Materials Description	Well Completion
0.0						No sample, Cuttings contain tar	
0.0	12	33-55/2		5	+	Black silty CLAY w/ wet tar (asphalt), moist, very hard (FILL)	
N/A	N/A	5-5 5-9				20.0% Methane - No recovery, metal and wood in shoe along w/ asphalt	
0.0	6	4-3 2-2		10	///	9.0% Methane - Gray to black silty CLAY w/ asphalt and wood, moist, medium stiff (FILL)	
0.0	22	5-4 3-4				0.3% Methane - Gray to black silty CLAY w/ black organic discoloration and roots, moist, medium stiff	
0.0	21	3-2 4-4		15	///	0.2% Methane - Gray silty CLAY w/ black organic discoloration, moist, medium stiff	
						Boring terminated at 15 feet	
				20			
				25			

NOTE: Methane readings from open bore hole at depth



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 (513) 985-0226 • (800) 759-5614 (412) 921-3402 • (800) 365-2324

CITY OF ST. BERNARD

JOB NO.: 200610

LOG OF MP-14

Sheet 1 of 1

St. Bernard, Ohio

LOGGED BY: PCS

GROUND SURFACE ELEVATION:

DRILLER: Jersey West Drilling

TOP OF CASING ELEVATION:

DATE DRILLED: 08/15/00-08/16/00

INITIAL WATER LEVEL:

DATE:

DRILL METHOD: 4 1/4 IN. HSA

STATIC WATER LEVEL:

DATE:

HNu (ppm)	Recovery (in.)	Blow Counts	Elevation, MSL	Depth (ft.)	Graphic Log	Materials Description	Well Completion
0.0						No sample, Metal in cuttings	
0.0	12	4-4 4-2		5	[Cross-hatched pattern]	Brown silty CLAY w/ medium to coarse sand and fine gravel, glass, moist, medium stiff	
0.0	6	3-32 50/3			[Cross-hatched pattern]	Black to gray silty CLAY w/ medium sand, wood, and fine gravel, moist, very hard	
0.0	10	2-2 4-6		10	[Cross-hatched pattern]	Same as above w/ plastic, medium stiff	
0.7	8	3-4 5-6			[Diagonal hatched pattern]	Gray silty CLAY, moist, stiff	
0.0	20	1-3 5-8			[Diagonal hatched pattern]	Gray silty CLAY w/ fine sand, moist, medium stiff	
				15		Boring terminated at 15 feet	
				20			
				25			

Civil & Environmental Consultants, Inc.		LOG OF BORING NO. MP-15			
		Client <u>CITY OF ST. BERNARD</u>		Project No. <u>210158</u>	
		Location <u>ST. BERNARD LANDFILL</u>			
		Date Started <u>12-22-2003</u>	Date Completed <u>12-22-2003</u>		
Field Geologist <u>PCS</u>	Checked By <u>DGS</u>	GWL: <u> </u>	Depth <u>NA</u>	Date/Time <u>NA</u>	
Driller <u>CEC</u>			<u> </u>	<u> </u>	
Drilling Method <u>HAND AUGER</u>					

HNU (ppm)	RECOVERY	BLOW COUNTS	DEPTH (ft.)	GRAPHIC LOG	MATERIALS DESCRIPTION	WELL/PIEZOMETER CONSTRUCTION DETAIL	ELEVATION (FEET, MSL)
			2	Backfill			
			4	Trace Clay			
			6		Boring terminated at 4 feet.		



Civil & Environmental Consultants, Inc.
 4274 Glendale Milford Road
 Cincinnati, Ohio 45242

BORING NUMBER MP-16

PAGE 1 OF 1

CLIENT St. Bernard	PROJECT NAME MP Install
CEC PROJECT NUMBER 100-194	PROJECT LOCATION Former St. Bernard Landfill
DATE STARTED 5/27/10 COMPLETED 5/27/10	GROUND ELEVATION NA HOLE SIZE 4 inch
DRILLING CONTRACTOR Jersey West	GROUND WATER LEVELS:
DRILLING METHOD Direct Push	AT TIME OF DRILLING None
LOGGED BY MJM CHECKED BY RH	AT END OF DRILLING ---
LOCATION See Map	AFTER DRILLING DTW 4.89 feet bgs

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
0				0.3 Topsoil and cinders	
	DP 1	88		Brown clayey SILT, trace gravel, trace brick and charred wood throughout, noted iron staining, moist with few wet seams, medium stiff	Concrete Riser Bentonite
5	DP 2	65		3.8 Concrete and wood 4.2 Gray clayey SILT, trace gravel, trace coarse sand, trace brick fragments, very moist, soft	
				5.7 Gray becoming black silty CLAY, trace gravel, trace brick fragments, moist, stiff 6.2 Black wood and concrete, few wet seams	Screen
				6.6 Gray silty CLAY, trace gravel, noted brick and glass, moist, stiff	Sand Backfill
10	DP 3	85		8.0 Green and gray clayey SILT, moist, medium stiff	
				9.2	
				11.4	
				12.0 Bottom of hole at 12.0 feet	

GENERAL BH / TP / WELL 100-194 ST BERNARD MP INSTALL.GPJ GOOD TEMPLATE.GDT 11/17/11

PROJECT INFORMATION		DRILLING INFORMATION	
Project:	St Bernard Landfill	Drilling Co.:	Terra Probe
Address:		Driller:	Joe Fojtik
City, State:	Village of St. Bernard, OH	Rig Type:	Geoprobe
Job No.	23212007.02	Tooling:	3-inch tube
Logged By:	R. Mills	Sampler Type:	1-inch
Date:	8/29/2014	Total Depth:	14 feet

DEPTH	SOIL DESCRIPTION	SAMPLE	RECOVERY	PID (ppm)	WELL DESCRIPTION
	FILL SOIL Reddish brown SILT & CLAY, some Sand, little Gravel,	S-1	23"		
5	Brown SILT & CLAY, some Sand, little Gravel, moist.	S-2	20"		
10	NATIVE SOIL 4" olive gray SILT & CLAY, trace Sand 8" brownish gray fine SAND, little Clayey Silt 6" gray SILT & CLAY 10" olive gray SILT & CLAY, trace Sand	S-3	32"		
15	Bottom of boring at 14 feet.				



Civil & Environmental Consultants, Inc.
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 Cincinnati, Ohio 45242

BORING NUMBER SB-1

CLIENT St. Bernard **PROJECT NAME** MP Install
CEC PROJECT NUMBER 100-194 **PROJECT LOCATION** Former St. Bernard Landfill
DATE STARTED 6/8/10 **COMPLETED** 6/8/10 **GROUND ELEVATION** NA **HOLE SIZE** 4 inch
DRILLING CONTRACTOR Jersey West **GROUND WATER LEVELS:**
DRILLING METHOD Direct Push **AT TIME OF DRILLING** None
LOGGED BY MJM **CHECKED BY** RH **AT END OF DRILLING** ---
LOCATION See Map **AFTER DRILLING** ---

ELEVATION (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY % (RQD)	BLOW COUNTS (N VALUE)	POCKET PEN. (tsf) T=Torvane	▲ SPT N VALUE ▲										
								20	40	60	80							
0		Topsoil	0.0															
0		Brown clayey SILT, trace gravel, few brick and charred wood fragments, moist, medium stiff		DP 1	73													
0		Brown silty CLAY, trace gravel, few brick and concrete pieces at depth, moist, medium stiff																
0		Brown becoming grayish-green to dark gray silty CLAY, trace gravel, few brick and concrete pieces at depth, moist, medium stiff	5.0	DP 2	80													
0		Black and dark gray clayey SAND, trace gravel, few wood pieces, trace concrete, glass, and foam, noted odor, moist, soft																
0		<i>sample retained from 5' to 7.2'</i>																
0		Black and dark gray clayey SAND, trace gravel, many wood pieces and trace glass, moist, soft																
0		Gray becoming light gray silty CLAY, moist, soft to medium stiff	10.0	DP 3	100													
0		Bottom of hole at 12.0 feet.																

CEC CUSTOM LOG 100-194 ST BERNARD MP INSTALL.GPJ GOOD TEMPLATE.GDT 7/8/10



Civil & Environmental Consultants, Inc.
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 Cincinnati, Ohio 45242

BORING NUMBER SB-2

CLIENT <u>St. Bernard</u>	PROJECT NAME <u>MP Install</u>
CEC PROJECT NUMBER <u>100-194</u>	PROJECT LOCATION <u>Former St. Bernard Landfill</u>
DATE STARTED <u>6/8/10</u> COMPLETED <u>6/8/10</u>	GROUND ELEVATION <u>NA</u> HOLE SIZE <u>4 inch</u>
DRILLING CONTRACTOR <u>Jersey West</u>	GROUND WATER LEVELS:
DRILLING METHOD <u>Direct Push</u>	AT TIME OF DRILLING <u>None</u>
LOGGED BY <u>MJM</u> CHECKED BY <u>RH</u>	AT END OF DRILLING <u>---</u>
LOCATION <u>See Map</u>	AFTER DRILLING <u>---</u>

ELEVATION (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY % (RQD)	BLOW COUNTS (N VALUE)	POCKET PEN. (tsf) T=Torvane	▲ SPT N VALUE ▲						
								20	40	60	80			
0		Topsoil	0.0											
0		Brown silty CLAY, trace gravel and coarse sand throughout, noted concrete and trace coal at bottom, metal pin at top, moist, medium stiff		DP 1	85									
0		Concrete and wood	5.0											
0		Dark gray clayey SILT, some medium sand, trace gravel, noted black mottling, few coal and brick fragments, moist, medium stiff		DP 2	85									
0		Dark gray clayey SILT, some medium sand, trace gravel, noted black mottling, few concrete and wood pieces, very moist, medium stiff												
0		<i>sample retained from 5.7' to 7.4'</i>												
0		Dark gray clayey SILT, some medium sand, trace gravel, less fill than above, noted metal piece at 9.1' and non-plastic clayey silt lense at 10', moist, medium stiff	10.0	DP 3	98									
0		Dark gray clayey SILT, no fill noted, moist, medium stiff												
0		Bottom of hole at 12.0 feet.												

CEC CUSTOM LOG 100-194 ST BERNARD MP INSTALL.GPJ GOOD TEMPLATE.GDT 7/8/10

SCS ENGINEERS

LOG OF Peat Probe A

(Page 1 of 1)

SCS Project Number: 23212007.00
 Probe Installation
 Closed Landfill
 St. Bernard, Ohio

Logged By: R. Mills
 Drilled By: Jersey West
 Boring Method: direct push
 Total Boring Depth: 16 feet
 Sampling Method: direct push

Date Started: 3/9/12
 Date Completed: 3/9/12
 G. S. Elevation:
 Northing:
 Easting:

Depth in feet	Surf. Elev.	Samples	Recovery (in.)	Headspace (ppm)	Blow Count	GRAPHIC	USCS	DESCRIPTION	Peat Probe A
0								FILL brown SILT & CLAY, brick fragments	<p>Bentonte backfill</p> <p>Riser</p> <p>Sand Pack</p> <p>Screen</p>
2		1	40					~3 in. of concrete fragments at 1.5 ft becoming grey to dark grey soil mixed with wood, cinders, moist	
4								greenish grey SILT & CLAY, moist	
6		2	40					at ~6 ft, dark grey soil with concrete, becoming saturated	
8								7.8 ft	
10		3	39					Native Soil grey SILT & CLAY, varved grading to Clayey SILT grading to fine SAND and Clayey Silt, saturated	
12		4	18					grey medium SAND, little Clayey Silt grading to SAND and Gravel, little Clayey Silt, saturated	
14		5	18					15 ft	
16								dark grey organic layer 15.3 ft SAND and Gravel, some Clayey Silt, saturated	
18									
20									

03-15-2012 I:\PROJECT\2012 Projects\23212007 00 St. Bernard LFData\Peat Probe A bor

SCS ENGINEERS

LOG OF Drift Probe C

(Page 1 of 1)

SCS Project Number: 23212007.00
 Probe Installation
 Closed Landfill
 St. Bernard, Ohio

Logged By: R. Mills
 Drilled By: Jersey West
 Boring Method: direct push
 Total Boring Depth: 16 feet
 Sampling Method: direct push

Date Started: 3/9/12
 Date Completed: 3/9/12
 G. S. Elevation:
 Northing:
 Easting:

Depth in feet	Surf. Elev.	Samples	Recovery (in.)	Headspace (ppm)	Blow Count	GRAPHIC	USCS	DESCRIPTION	Peat Probe C
0								FILL Brown SILT & CLAY, little to some Sand, trace Gravel, moist.	
2		1	40					A ~2 ft, olive grey SILT & CLAY, little Sand, little Gravel, brick fragments, pieces of concrete, shingle, moist.	Bentonte backfill
4									Riser
6		2	40						
8								Native Soil Olive grey massive SILT & CLAY to CLAY & SILT, trace f Sand, old root channels, saturated.	
10		3	39					alternating in approximately 7 in. layers with Clayey SILT, little fine Sand, saturated	
12		4	18						Sand Pack
14		5	18					fine SAND grading to coarse to fine SAND, little Gravel, many small shells, disperse pieces of wood, saturated	Screen
16		6	24					Clayey SILT to SILT and fine Sand, saturated	
18									
20									

6.6 ft

SCS ENGINEERS

LOG OF Fill Probe C

(Page 1 of 1)

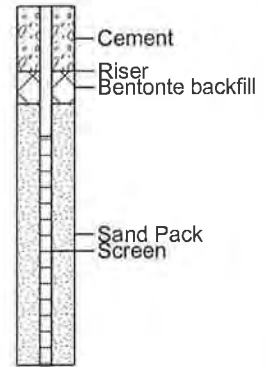
SCS Project Number: 23212007.00
 Probe Installation
 Closed Landfill
 St. Bernard, Ohio

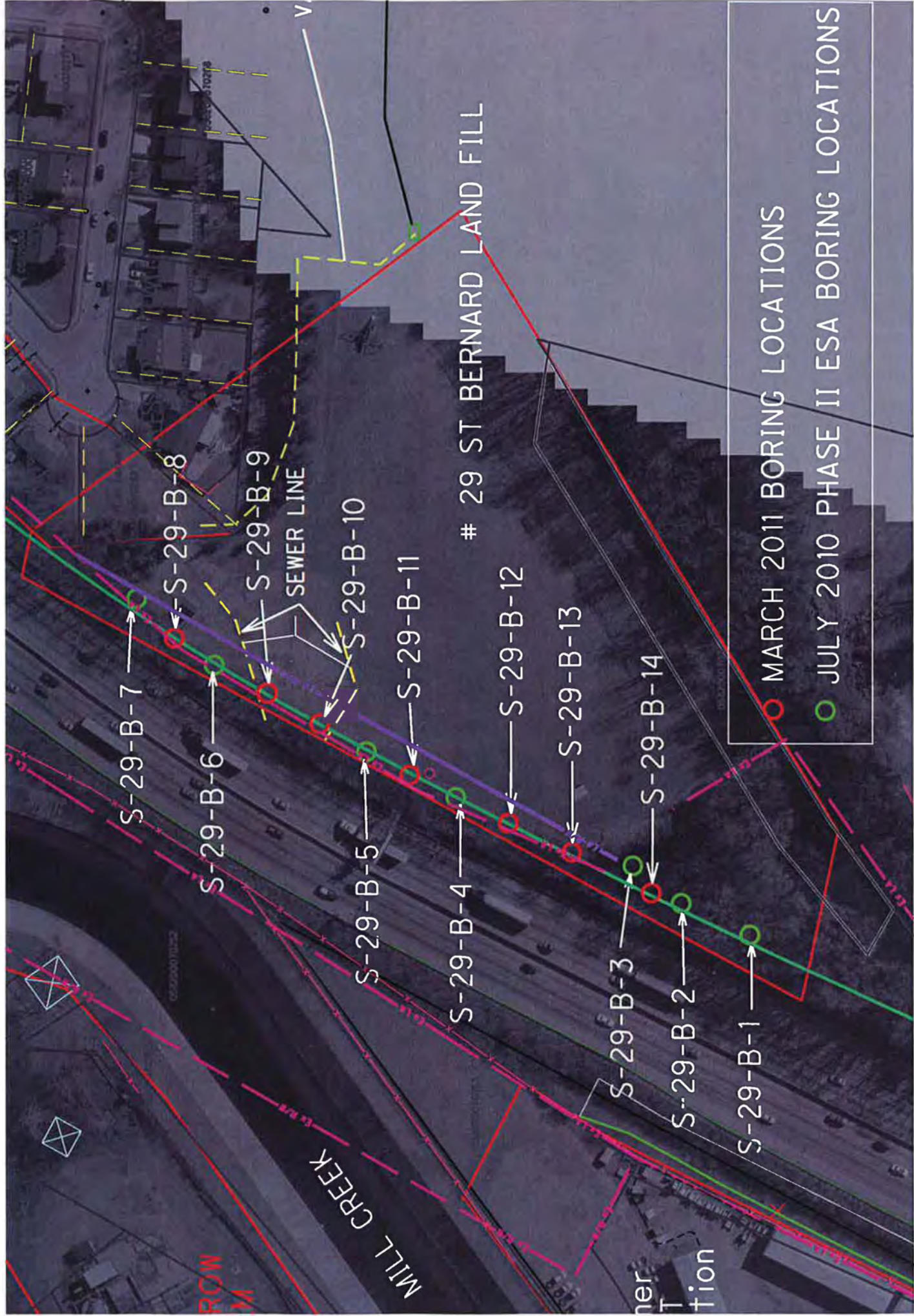
Logged By: : R. Mills
 Drilled By: : Jersey West
 Boring Method: : solid augers
 Total Boring Depth: : 5.5 feet
 Sampling Method: : direct push

Date Started: : 4/2/12
 Date Completed: : 4/2/12
 G. S. Elevation: :
 Northing :
 Easting :

Depth in feet	Surf. Elev.	Samples	Recovery (in.)	Headspace (ppm)	Blow Count	GRAPHIC	USCS	DESCRIPTION
0								See the log for Drift Probe C for a description of the soils in this depth range.
2								
4								
6								
8								
10								
12								
14								
16								
18								
20								

Fill Probe C







Date: March 8, 2011
 Driller: TerraProbe
 Geologist: Scott Stewart
 Drilling Method: Direct Push
 Weather: ~50F, sunny, light wind

Job: Site # 29 St. Bernard Landfill
 HAM-75-2.30 Phase II ESA
 Hamilton County, Ohio
 P403040044

Page 8 of 14
 Boring No. S-29-B-8

Located on the northern portion of the site, behind restrooms

ELEV	DEPTH	SAMP NO.	Rec. (%)	PID (ppm)	FID (ppm)	LITHOLOGIC DESCRIPTION	Ds	W E L L	A N N	REMARKS
	1					0-1'6" Brown silty sand, trace slag from 1'4"to1'6"				No water bearing zones observed Boring readings: LEL readings <1% PID/FID readings <1 ppm
	2			104	0	1'6"-2'6" Brown sandy silt, dense				
	3					2'6"-2'8" Cinders, and sheet plastic 2'8"-4' No recovery				
	4	55								
	5					4'-8' Brown clayey silt, dense, 1" slag at 5'				
	6			123	0					
	7					6'6"-8' No recovery				
	8	60								
	9					8'-10'2" Dark brown sandy clay, plastic, trace gravel				
	10									
	11			157	0	10'2"-11'1" Light brown sand with gravel				
	12	77				11'1"-12' No recovery				
	13					12'-13' Brown sandy clay, plastic				
	14			233	0	13'-14'6" Tan sand with gravel, trace glass				
	15					14'6"-15'1" Brown silt with sand				
	16	77		137	0	15'1"-16' No recovery				
	17					16'-17' Light brown sand with gravel				
	18			123	0	17'-17'8" Light brown sandy clay, plastic				
	19					17'8"-19'6" Dark brown silt with gravel, dense 19'6"-20' No recovery				
	20	90		119	0					
	21					Boring terminated at 20' bgs				
	22									
	23									
	24									
	25									
	26									
	27									
	28									
	29									
	30									
	31									
	32									

S-29-B-8-4-6.5 and S-29-B-8-14-15.5 submitted for laboratory analysis



Date: March 8, 2011
 Driller: TerraProbe
 Geologist: Scott Stewart
 Drilling Method: Direct Push
 Weather: ~50F, sunny, light wind

Job: Site # 29 St. Bernard Landfill
 HAM-75-2.30 Phase II ESA
 Hamilton County, Ohio
 P403040044

Page 9 of 14
 Boring No. S-29-B-9
 Located on the northern portion of the site, approximately 50-feet south of B-6 (on top of northern sewer line)

ELEV.	DEPTH	SAMP. NO.	Rec. (%)	PID (ppm)	FID (ppm)	LITHOLOGIC DESCRIPTION	Ds	W E L L	A N N	REMARKS
	1					0-8" Light brown silty sand 8"-13" Light brown sand				<p>a second boring was placed beside the first boring in an attempt to gain better recovery, 6"-8" per interval was gained</p> <p>No water bearing zones observed</p> <p>Boring readings: LEL readings <1% PID/FID readings <1 ppm</p>
	2					13"-3' Light brown sandy clay, some gravel				
	3			53	0					
	4		75			3'-4' No recovery				
	5					4'-8' Brown clayey silt, dense, 1" slag at 5'				
	6					5'-7' Brown sandy silt with gravel, 2" concrete at 6'				
	7			43	0	trace wood at 6'				
	8		75			7'-8' No recovery				
	9					8'-11' Brown clayey sand with gravel, trace orange brown sand at 11'				
	10									
	11			29	0					
	12		75			11'-12' No recovery				
	13					12'-15' Brown sandy clay with gravel, trace wood				
	14									
	15			49	0					
	16		75			15'-16' No recovery				
	17					16'-19' Brown sandy clay with gravel, trace wood				
	18									
	19			46	0					
	20		75			19'-20' No recovery				
	21					Boring terminated at 20' bgs				
	22									
	23									
	24									
	25									
	26									
	27									
	28									
	29									
	30									
	31									
	32									

S-29-B-9-4-7 and S-29-B-9-16
 19 submitted for
 laboratory analysis



Date: March 8, 2011
 Driller: TerraProbe
 Geologist: Scott Stewart
 Drilling Method: Direct Push
 Weather: ~55F, sunny, light wind

Job: Site # 29 St. Bernard Landfill
 HAM-75-2.30 Phase II ESA
 Hamilton County, Ohio
 P403040044

Page 10 of 14
 Boring No. S-29-B-10

Located beside the southern storm sewer

ELEV	DEPTH	SAMP. NO.	Rec. (%)	PID (ppm)	FID (ppm)	LITHOLOGIC DESCRIPTION	Ds	W E L L	A N N	REMARKS
	1					0-2' Brown clayey silt, trace gravel, trace slag				two attempts were made to obtain better recovery No water bearing zones observed Boring readings: LEL readings <1% PID/FID readings <1 ppm S-29-B-10-4-7 and S-29-B-10-16-19 submitted for laboratory analysis
	2			18.0	0					
	3					2'-3' Brown sandy silt, trace gravel				
	4		85	54	0	3'-3'6" Black sandy clay, trace gravel 3'6"-4' No recovery				
	5					4'-8' Brown clayey silt, dense, 1" slag at 5'				
	6					4'6"-6'10" Dark brown clayey sand, trace light brown slag, brick and black sand with a sewer odor				
	7			53	0					
	8		70			6'10"-8' No recovery				
	9					8'-10'2" Brown clayey sand, some gravel, trace metal, trace glass, black stain at 9' and 10' with metal odor, piece of green slag with odor				
	10			204	0					
	11					10'2"-12' No recovery				
	12		60							
	13					12'-12'6" Black silty sand, some brick, trace metal, trace glass fragments 12'6"-12'10" Olive clay 12'10"-14'2" Black silty sand, some brick, trace metal, trace glass fragments				
	14			84	8	14'2"-16' No recovery				
	15									
	16		60			16'-17'2" Black clayey sand, trace brick, trace gravel, slight creosote odor				
	17					17'2"-18'5" Brown silty sand, trace glass, wood, china, slag, and metal				
	18									
	19			116	0	18'5"-20' No recovery				
	20		85			Boring terminated at 20' bgs				
	21									
	22									
	23									
	24									
	25									
	26									
	27									
	28									
	29									
	30									
	31									
	32									



Date: March 8, 2011
 Driller: TerraProbe
 Geologist: Scott Stewart
 Drilling Method: Direct Push
 Weather: ~50F, cloudy, light wind

Job: Site # 29 St. Bernard Landfill
 HAM-75-2.30 Phase II ESA
 Hamilton County, Ohio
 P403040044

Page 12 of 14
 Boring No. S-29-B-12

Located approximately 50-feet south of B-4

ELEV	DEPTH	SAMP. NO.	Rec. (%)	PID (ppm)	FID (ppm)	LITHOLOGIC DESCRIPTION	Ds	W E L L	A N N	REMARKS	
	1					0-3'2" Brown clayey sand, some gravel					
	2										
	3			41	0						
	4		80			3'2"-4' No recovery					
	5					4'-8' Brown clayey silt, dense, 1" slag at 5'					
	6			31	0						
	7					6'-6'9" Olive clay, plastic 6'9"-7'7" Light brown silt					
	8		95	46	0	7'7"-8" No recovery					
	9					8'-12' Light brown silt, black stain at 11'8"					
	10				35						0
	11										
	12		100	24	0						
	13					12'-13'1" Light brown silt					
	14			29	0	13'1"-14' Dark brown silty sand with gravel					
	15					14'-16' No recovery					
	16		50								
	17					16'-19'1" Dark brown silty sand, some slag, trace plastic, gravel, and sand					
	18										
	19			21	0						
	20		75			19'1"-20' No recovery					
	21					Boring terminated at 20' bgs					
	22										
	23										
	24										
	25										
	26										
	27										
	28										
	29										
	30										
	31										
	32										

two attempts were made to obtain better recovery

No water bearing zones observed

Boring readings:
 LEL readings <1%
 PID/FID readings <1 ppm

S-29-B-12-4-6 and S-29-B-12-12-14 submitted for laboratory analysis



Date: March 8, 2011
 Driller: TerraProbe
 Geologist: Scott Stewart
 Drilling Method: Direct Push
 Weather: ~50F, cloudy, light wind


Job:

Site # 29 St. Bernard Landfill
 HAM-75-2.30 Phase II ESA
 Hamilton County, Ohio
 P403040044

Page 13 of 14
 Boring No. S-29-B-13
 Located approximately 50-feet
 south of B-12, near corner of
 ODOT ROW

ELEV	DEPTH	SAMP. NO.	Rec. (%)	PID (ppm)	FID (ppm)	LITHOLOGIC DESCRIPTION	Ds	W E L L	A N N	REMARKS
	1					0-8" Dark brown silt				two attempts were made to obtain better recovery No water bearing zones observed Boring readings: LEL readings <1% PID/FID readings <1 ppm
	2					8"-2'6" Light brown silt, some gravel				
	3			41	0	2'6"-2'8" Brown medium sand, trace brick				
	4		70			2'8"-4' No recovery				
	5					4'-8' Brown clayey silt, dense, 1" slag at 5'				
	6			155	0	6'-7' Light brown silt				
	7					7'-11' Light brown silty clay				
	8		100	61	0	11'-12' No recovery				
	9					12'-12'2" Light brown silty clay				
	10					12'2"-14'8" Dark brown grading to black medium sand, trace gravel and glass				
	11			65	0	14'8"-16' No recovery				
	12		75			16'-17'10" Black grading to dark brown clayey sand, trace wood				
	13					17'10"-18' Gravel				
	14					18'-20' No recovery				
	15			523	0	Boring terminated at 20' bgs				
	16		70							
	17									
	18			60	0					
	19									
	20		50							
	21									
	22									
	23									
	24									
	25									
	26									
	27									
	28									
	29									
	30									
	31									
	32									

S-29-B-13-4-6 and S-29-B-13-12-15 submitted for laboratory analysis



Appendix D
Certification Reports

Reserved for Certification Reports.

Appendix E

Deeds

CLOSED ST. BERNARD LANDFILL
BANK AVENUE
CINCINNATI, OH 45217

Inquiry Number: 6589052.1S
JULY 28, 2021

The EDR 1940 Chain of Title



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Chain of Title

The EDR Chain of Title Report tracks a line of successive owners from the present back to 1940 of a particular parcel of property, linked together by recorded transactions which pass title. Available nationwide, this report provides a summary of a property's ownership history and is a valuable source for determining the prior uses of a property.

A network of professional abstractors following established procedures, uses client supplied address information to locate:

- Historical Chain of Title research

Thank you for your business.

Please contact EDR at 1-800-352-0050
with any questions or comments.

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EDR Chain of Title

TARGET PROPERTY INFORMATION

ADDRESS

CLOSED ST. BERNARD LANDFILL
BANK AVENUE
CINCINNATI, OH 45217

RESEARCH SOURCE

SOURCE 1: HAMILTON COUNTY RECORDER'S OFFICE

SOURCE 2: HAMILTON COUNTY ASSESSOR'S OFFICE

EXAMINER'S NOTE: PUBLIC RECORDS OF HAMILTON COUNTY, OH WERE SEARCHED FROM JANUARY 1, 1940 TO JULY 22, 2021, AND NO OTHER DEEDS VESTING TITLE IN THE SUBJECT PROPERTY WERE FOUND OF RECORD DURING THE PERIOD SEARCHED.

PROPERTY DESCRIPTION

CURRENT OWNER: CITY OF ST. BERNARD

LEGAL DESCRIPTION: BANK AV FT IRR PARS 2-151-234 CONS

PROPERTY IDENTIFIERS: 582-0007-0002-90

GENERAL COMMENTS: NA

HISTORICAL CHAIN OF TITLE

SEE EXHIBIT "A"

MISCELLANEOUS

SEE EXHIBIT "B"

EDR Chain of Title

CHAIN OF TITLE

EXHIBIT "A"

EDR Chain of Title

HISTORICAL CHAIN OF TITLE

PARCEL 582-0007-0002-90

CHAIN 1

TYPE OF DEED:	OHIO WARRANTY DEED
TITLE IS VESTED IN:	CITY OF ST. BERNARD
TITLE RECEIVED FROM:	E. I. DU PONT DE NEMOURS AND COMPANY
DATE EXECUTED:	02/13/1945
DATE RECORDED:	03/01/1945
BOOK:	58
PAGE:	450
VOLUME:	NA
INSTRUMENT #:	NA
DOCKET:	NA
LAND RECORD COMMENTS:	SEARCHED BACK TO 1940, COUNTY RECORDS SHOW GRANTORS OWNED BACK TO 1936 IN DOC#1730/509.

EDR Chain of Title

MISCELLANEOUS

EXHIBIT "B"

EDR Chain of Title

MISCELLANEOUS

COMMENTS: NONE IDENTIFIED.

208-306

In Testimony Whereof, I have hereunto subscribed
my name and affixed my notarial seal
on the day and year last aforesaid.

(Louis M. Ireton) Notary Public,
Hamilton County, Ohio.

Deed
TOL FOR RECORD 3-1-45
GEORGE E. REARNS, RECORDER, HAMILTON COUNTY, OHIO

Ohio Warranty Deed

Gen. Ind. 8th Ser. Bk. 58 p. 450

MAR-1-45 354789 --Djs--

J.P.
5.7
2.25

KNOW ALL MEN BY THESE PRESENTS,

THAT E. I. du PONT de NEMOURS and COMPANY, a Delaware corporation, duly licensed to do business in the State of Ohio, the Grantor, for the consideration of Ten Dollars (\$10.00) and other good and valuable consideration, received to its full satisfaction of CITY OF ST. BERNARD, a municipal corporation of the State of Ohio, the Grantee, does give, grant, bargain, sell and convey unto the said Grantee, its successors and assigns, the following described premises, situated in the County of Hamilton, State of Ohio, and known as being all that certain tract of land in Township 3, Second Fractional Range in the Miami Purchase, being in Section 16:

Beginning at the intersection of the easterly line of Lot 3 of the Alfred Phillips Estate Subdivision, of which this tract is a part, with the center line of Bank Street 25 feet wide (being the Northwest corner of a tract of ten (10) acres formerly owned by E. M. Gregory and in 1896 known as the Starch Factory property); thence along the center line of said Street, North 88° 45' West 306.72 feet to a stake at the intersection of the center line of said Street with the right of way line of the Baltimore and Ohio Southwestern Railroad Company; thence South 56° 20' West 833.19 feet parallel to and distant 100 feet from the center line of the east bound main track of said Railroad to a stake; thence South 34° 04' West 416.84 feet to a point in the Corporation line between the City of Cincinnati and the City of St. Bernard; thence along said Corporation line South 0° 30' West 1320 feet to a stake; thence North 20° 59' East 789.32 feet to a stake; thence North 21° 42½' East 102.01 feet to a stake; thence North 44° 19½' East 116.75 feet to a stake; thence North 45° 03' East 323.13 feet to a stake; thence North 55° 18' East 449.36 feet to a stake; thence North 65° 30½' East 178.16 feet to a stake in the line of Lot 3 of the said Alfred Phillips Estate Subdivision, being also the west line of the ten (10) acre tract formerly owned by E. M. Gregory; thence along said east line North 1° 15' East 689.14 feet to the place of beginning.

The said land and premises are conveyed subject to legal highways, block and zoning ordinances, rights of tenants and to all easements and restrictions of record.

Without limiting the foregoing, there are expressly excepted and reserved from this conveyance the following:

Right of way and easement thirty-four (34) feet in width granted by The Grasselli Chemical Company, a corporation of Ohio, to The Union Gas & Electric Company by deed dated June 11, 1925, for the purpose of constructing, erecting, operating and maintaining thereon the necessary wires, cables, fixtures and equipment for transmitting electrical energy upon, over, through and across said property, the center line of which in said deed is described as follows:

Beginning at a point in the west line of said property, which point is 47.8 feet southwest of the northeast corner of the property now or formerly of Bernard H. Wess, measured along

58
446

B.M.

X

the east boundary of the property now or formerly of Bernard H. Wess; thence North 38° 30' East 211.15 feet to a point in the north line of said property, which point is 73.3 feet east of the northwest corner of the said property, measured along the north boundary of the property, together with the right to cut, trim or remove any trees, overhanging branches or other obstructions which may endanger the safety of or interfere with the construction, operation or maintenance of said system; but the Grantor herein, E. I. du Pont de Nemours and Company, does hereby grant, sell, assign and convey unto the Grantee herein all of Grantor's right, title and interest in and to the said deed of June 11, 1936, and in and to all rights and reservations thereunder or therein retained.

Easement or right of way for sewer ten feet (10') in width five feet (5') on each side of the center line of the sewer as shown by plat thereof, Accession No. 10,657, as filed in the office of the Chief Engineer, Department of Public Service, Cincinnati, Ohio, granted by The Grasselli Chemical Company, a corporation of Ohio, to the City of Cincinnati by that certain agreement dated March 19, 1917.

The intention of this deed is to convey unto the Grantee, its successors and assigns, only the premises described and conveyed to the Grantor herein by that certain deed from The Grasselli Chemical Company, a Delaware corporation, dated October 31, 1936, and recorded in the Recorder's Office of Hamilton County, Ohio, in Deed Book 1730, page 509.

TO HAVE AND TO HOLD the above granted and bargained premises, with the appurtenances thereof, unto the said Grantee, its successors and assigns, forever, subject as aforesaid.

AND E. I. du Pont de Nemours and Company, the said Grantor, does for itself, and its successors and assigns, covenant with the said Grantee, its successors and assigns, that at and until the sealing of these presents it is well seized of the above described premises, as a good and indefeasible estate in fee simple, and has good right to bargain and sell the same in manner and form as above written, and that the same are free from all encumbrances whatsoever, except as aforesaid, and that it will WARRANT and DEFEND said premises, with the appurtenances thereunto belonging, to the said Grantee, its successors and assigns, against all lawful claims and demands whatsoever, except as aforesaid.

IN WITNESS WHEREOF, the said E. I. du PONT de NEMOURS and COMPANY has caused its corporate seal to be affixed to these presents by W. F. Harrington, its Vice-President, and E. A. Howard, its Assistant Secretary, this 13th day of February, A. D. 1945.

Signed, Sealed and Acknowledged in the Presence of:

W. H. Water
Esther E. Griffith

E. I. du PONT de NEMOURS and COMPANY

By W. F. Harrington
Vice-President

By E. A. Howard
Assistant Secretary

STATE OF DELAWARE)
) SS.
COUNTY OF NEW CASTLE)

Before me, a Notary Public in and for said County, personally appeared W. F. Harrington and E. A. Howard, known to me to be the persons who, as a Vice-President and Assistant Secretary, respectively, of E. I. du PONT de NEMOURS and COM-

PANY, the corporation which executed the foregoing instrument, signed the same, and acknowledged to me that they did so sign said instrument in the name and upon behalf of said corporation as such officers, respectively; that the same is their free act and deed as such officers, respectively, and the free and corporate act and deed of said corporation; that they were duly authorized thereunto by its Board of Directors; and that the seal affixed to said instrument is the corporate seal of said corporation.

In Testimony Whereof, I have hereunto subscribed my name, and affixed my official seal, at Wilmington, Delaware, this *13th* day of *February*, 1945.

W. R. Belmont
Notary Public



Deed
REC. FOR RECORD *3-1-45* No. *36* AT *3:20 PM*
GEORGE E. KEARNS, RECORDER, HAMILTON COUNTY, OHIO *B*

APPROVED FOR
EXCLUSION
W. C. Evans
M. J. Cooney

2085 PAGE 308



CLOSED ST. BERNARD LANDFILL
BANK AVENUE
CINCINNATI, OH 45217

Inquiry Number: 6589052.1S
JULY 28, 2021

The EDR 1940 Chain of Title



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Chain of Title

The EDR Chain of Title Report tracks a line of successive owners from the present back to 1940 of a particular parcel of property, linked together by recorded transactions which pass title. Available nationwide, this report provides a summary of a property's ownership history and is a valuable source for determining the prior uses of a property.

A network of professional abstractors following established procedures, uses client supplied address information to locate:

- Historical Chain of Title research

Thank you for your business.

Please contact EDR at 1-800-352-0050
with any questions or comments.

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EDR Chain of Title

TARGET PROPERTY INFORMATION

ADDRESS

CLOSED ST. BERNARD LANDFILL
BANK AVENUE
CINCINNATI, OH 45217

RESEARCH SOURCE

SOURCE 1: HAMILTON COUNTY RECORDER'S OFFICE

SOURCE 2: HAMILTON COUNTY ASSESSOR'S OFFICE

EXAMINER'S NOTE: PUBLIC RECORDS OF HAMILTON COUNTY, OH WERE SEARCHED FROM JANUARY 1, 1940 TO JULY 22, 2021, AND NO OTHER DEEDS VESTING TITLE IN THE SUBJECT PROPERTY WERE FOUND OF RECORD DURING THE PERIOD SEARCHED.

PROPERTY DESCRIPTION

CURRENT OWNER: CITY OF ST. BERNARD
LEGAL DESCRIPTION: SS BANK AV FT IRR EXEMPT-5 R2-T3-S16 NE
PROPERTY IDENTIFIERS: 582-0007-0207-90
GENERAL COMMENTS: NA

HISTORICAL CHAIN OF TITLE

SEE EXHIBIT "A"

MISCELLANEOUS

SEE EXHIBIT "B"

EDR Chain of Title

CHAIN OF TITLE

EXHIBIT "A"

EDR Chain of Title

HISTORICAL CHAIN OF TITLE

PARCEL 582-0007-0207-90

CHAIN 1

TYPE OF DEED:	GENERAL WARRANTY DEED
TITLE IS VESTED IN:	CITY OF ST. BERNARD
TITLE RECEIVED FROM:	H. B. FULLER COMPANY
DATE EXECUTED:	07/25/1974
DATE RECORDED:	08/13/1974
BOOK:	3983
PAGE:	718
VOLUME:	NA
INSTRUMENT #:	NA
DOCKET:	NA
LAND RECORD COMMENTS:	NA

CHAIN 2

TYPE OF DEED:	WARRANTY DEED
TITLE IS VESTED IN:	H.B. FULLER CO.
TITLE RECEIVED FROM:	BARKLEY ELECTRIC CO
DATE EXECUTED:	03/01/1962
DATE RECORDED:	03/07/1962
BOOK:	3205
PAGE:	103
VOLUME:	NA
INSTRUMENT #:	NA
DOCKET:	NA
LAND RECORD COMMENTS:	NA

EDR Chain of Title

CHAIN 3

TYPE OF DEED: WARRANTY DEED
TITLE IS VESTED IN: BARLEY ELECTRIC CO
TITLE RECEIVED FROM: JAMES ULRICK AND ELIZABETH A ULRICK
DATE EXECUTED: 04/26/1955
DATE RECORDED: 04/28/1955
BOOK: 2752
PAGE: 99
VOLUME: NA
INSTRUMENT #: NA
DOCKET: NA
LAND RECORD COMMENTS: NA

CHAIN 4

TYPE OF DEED: WARRANTY DEED
TITLE IS VESTED IN: JAMES ULRICK
TITLE RECEIVED FROM: THE A & B DEBURRING CO. AND CHARLES B NICHOLS AND MARGARET J NICHOLS
DATE EXECUTED: 12/03/1954
DATE RECORDED: 12/09/1954
BOOK: 2724
PAGE: 60
VOLUME: NA
INSTRUMENT #: NA
DOCKET: NA
LAND RECORD COMMENTS: NA

CHAIN 5

TYPE OF DEED: WARRANTY DEED
TITLE IS VESTED IN: CHARLES B NICHOLS AND THE A & B DEBURRING CO.
TITLE RECEIVED FROM: CINCINNATI MINE MACHINERY CO.
DATE EXECUTED: 02/27/1953
DATE RECORDED: 03/10/1953
BOOK: 2599
PAGE: 64
VOLUME: NA
INSTRUMENT #: NA
DOCKET: NA
LAND RECORD COMMENTS: NA

EDR Chain of Title

CHAIN 6

TYPE OF DEED: WARRANTY DEED
TITLE IS VESTED IN: CINCINNATI MINE MACHINERY CO.
TITLE RECEIVED FROM: ROY G WEBSTER AND MARION WEBSTER
DATE EXECUTED: 09/12/1951
DATE RECORDED: 09/15/1951
BOOK: 2503
PAGE: 288
VOLUME: NA
INSTRUMENT #: NA
DOCKET: NA
LAND RECORD COMMENTS: NA

CHAIN 7

TYPE OF DEED: WARRANTY DEED
TITLE IS VESTED IN: ROY G WEBSTER
TITLE RECEIVED FROM: VALLEY BUILDING CONSTRUCTION CO.
DATE EXECUTED: 03/06/1941
DATE RECORDED: 03/19/1941
BOOK: 1899
PAGE: 210
VOLUME: NA
INSTRUMENT #: NA
DOCKET: NA
LAND RECORD COMMENTS: SEARCHED BACK TO 1940, PRIOR DEED WAS RECORDED BEFORE 1940.

EDR Chain of Title

MISCELLANEOUS

EXHIBIT "B"

EDR Chain of Title

MISCELLANEOUS

COMMENTS: NONE IDENTIFIED.

A41599

GENERAL WARRANTY DEED

199646

H. B. Fuller Company, a corporation, whose address is Industrial Court, St. Bernard, Hamilton County, Ohio 45217, for valuable consideration paid, grants, with general warranty covenants, to City of St. Bernard, an Ohio municipal corporation, whose address is 100 Washington Avenue, St. Bernard, Ohio 45217, the following

REAL PROPERTY: Situated in the County of Hamilton in the State of Ohio:

REC'D FOR TRANS

TRANSFERRED

All that lot of land in the City of St. Bernard situated in Section 16, Town 3, F.R. 2, Miami Purchase, City of St. Bernard, Hamilton County, Ohio, and more particularly described as follows:

Beginning at the intersection of the southerly line of Bank Street (25 ft. wide) with the westerly line of Andalus Subdivision as recorded in Plat Book 34, Page 14, Hamilton County, Ohio Records; thence North 86° 39' West, 968.95 feet to the westerly line of a 10 acre tract conveyed to the Valley Building and Construction Company by deed recorded in Deed Book 1740, Page 76 of the Hamilton County Recorder's Office; thence South 3° 21' West along said westerly line 200.00 feet to the real place of beginning;

thence South 3° 21' West, 474.64 feet; thence North 53° 01' East, 100.66 feet; thence North 59° 35' East, 100 feet; thence North 66° 24' East, 33.81 feet; thence North 3° 21' East, 340.59 feet; thence North 86° 39' West, 190.00 feet to the real place of beginning.

Subject to the following easements and restrictions:

Subject to an easement over such of the following described real estate as is included in the foregoing parcel and granting to the Grantee herein, or its successors and assigns, an easement over the remainder of the following described real estate which forms a right of way called hereinafter "Industrial Court":

All that 40 foot easement in the City of St. Bernard situated in Section 16, Township 3, Fractional Range 2, Miami Purchase, Hamilton County, Ohio. Beginning at a point in the notherly line of Bank Street (25 feet wide), 778.85 feet west of the intersection of the southerly line of Bank Street with the westerly line of Andalus Subdivision as recorded in Plat Book 34, page 14, of the Hamilton County, Ohio Records; thence North 86 degrees 39 minutes West along the southerly line of Bank Street, 40 feet; thence South 3 degrees 21 minutes West, 500 feet; thence South 86 degrees 39 minutes East, 40 feet; thence North 3 degrees 21 minutes East, 500 feet to the place of beginning.

Both of which easements are subject to the following conditions and usages, to all of which Grantee by acceptance of the within Deed agrees:

Examined & Compliance Sec. 319.202 R.C. Conveyance is exempt from fee under Sec. 319.64 (F)3. JOS. L. DE COURCY, JR., AUDITOR HAMILTON COUNTY, OHIO

BOOK 3983 PAGE 718

FROST & JACOBS 1100 BURGESS TOWER 811 WALNUT STREET CINCINNATI, OHIO 45202

140

a. Said easements shall be for ingress and egress and the use of sewer and water facilities;

b. The road constructed thereon shall be maintained free of ruts and holes by all persons having a right in said easement and whose property abutts thereon; and each agrees to pay his proportionate share of yearly maintenance, including black topping when the same shall be desirable. Said road shall be inspected each year and if improvement or better drainage becomes proper, the same shall be considered maintenance and the cost paid by each abutting owner in the same proportion as the ratio of his frontage thereon bears to the total frontage;

c. A lien shall be reserved on the within conveyed real estate for the payment of such maintenance costs;

d. Each party agrees to join in a grant to the Cincinnati Gas & Electric Company, or other similar utility, of an easement for the installation of gas lines;

e. Each party agrees at such time as the City of St. Bernard agrees to accept said "Industrial Court" as a City Street to join necessary documents to affect dedication of said street.

Subject to the restrictions in deed recorded in Deed Book 2625, page 480, page 479.

Prior Instrument References: Vol. 2985, Page 583; Vol. 3219, Page 619; Vol. -, Page -; and Vol. 3731, Page 953.

Witness its hand this 25th day of July, 1974.

Signed and acknowledged in the presence of:

H. B. FULLER COMPANY

[Signature]
Witness
[Signature]
Witness

By [Signature]
Vice President

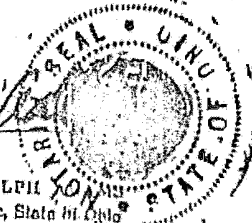
STATE OF OHIO)
) SS:
COUNTY OF HAMILTON)

Be it remembered, that on July 25th, 1974, before me, a Notary Public, personally appeared Robert J. Odom, Vice President of H. B. Fuller Company, the corporation, whose name is subscribed to and who executed this General Warranty Deed, and acknowledged the signing and execution of this General Warranty Deed; that he executed

this General Warranty Deed by authority of the Board of Directors, and on behalf, of H. B. Fuller Company; and that the signing and execution of this General Warranty Deed is his free and voluntary act and deed, his free act and deed as an officer, and the free and voluntary act and deed of H. B. Fuller Company.

In testimony whereof, I have hereunto subscribed my name and affixed my Notarial seal, on the day and year last aforesaid.

James Ralph Adams



JAMES RALPH ADAMS
Notary Public, State of Ohio
My commission has no expiration date
Section 147.03 R. C.

AUG 13 1974

This instrument was prepared by James R. Adams, 2900 DuBois Tower, 511 Walnut Street, Cincinnati, Ohio 45202, 513-621-8550.

[Faint handwritten text]

REC'D FOR RECORD
JUDSON HOY, RECORDER
HAMILTON COUNTY, OHIO

74 AUG 13 PM 1:38

RECORDED _____ BK
NO _____ PG _____

BOOK 3983 PAGE 720

FROST & JACOBS
2900 DUBOIS TOWER
511 WALNUT STREET
CINCINNATI, OHIO 45202

CLOSED ST. BERNARD LANDFILL
BANK AVENUE
CINCINNATI, OH 45217

Inquiry Number: 6589052.1S
JULY 28, 2021

The EDR 1940 Chain of Title



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Chain of Title

The EDR Chain of Title Report tracks a line of successive owners from the present back to 1940 of a particular parcel of property, linked together by recorded transactions which pass title. Available nationwide, this report provides a summary of a property's ownership history and is a valuable source for determining the prior uses of a property.

A network of professional abstractors following established procedures, uses client supplied address information to locate:

- Historical Chain of Title research

Thank you for your business.

Please contact EDR at 1-800-352-0050
with any questions or comments.

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EDR Chain of Title

TARGET PROPERTY INFORMATION

ADDRESS

CLOSED ST. BERNARD LANDFILL
BANK AVENUE
CINCINNATI, OH 45217

RESEARCH SOURCE

SOURCE 1: HAMILTON COUNTY RECORDER'S OFFICE

SOURCE 2: HAMILTON COUNTY ASSESSOR'S OFFICE

EXAMINER'S NOTE: PUBLIC RECORDS OF HAMILTON COUNTY, OH WERE SEARCHED FROM JANUARY 1, 1940 TO JULY 22, 2021, AND NO OTHER DEEDS VESTING TITLE IN THE SUBJECT PROPERTY WERE FOUND OF RECORD DURING THE PERIOD SEARCHED.

PROPERTY DESCRIPTION

CURRENT OWNER: DITY OF ST. BERNARD
LEGAL DESCRIPTION: BANK AV 32.82 X 160.16 IR LOT 7 BANK AVENUE SUB
PROPERTY IDENTIFIERS: 582-0007-0262-90
GENERAL COMMENTS: NA

HISTORICAL CHAIN OF TITLE

SEE EXHIBIT "A"

MISCELLANEOUS

SEE EXHIBIT "B"

EDR Chain of Title

CHAIN OF TITLE

EXHIBIT "A"

EDR Chain of Title

HISTORICAL CHAIN OF TITLE

PARCEL 582-0007-0262-90

CHAIN 1

TYPE OF DEED:	WARRANTY DEED
TITLE IS VESTED IN:	CITY OF ST. BERNARD
TITLE RECEIVED FROM:	E.I. DU PONT DE NEMOURS AND COMPANY
DATE EXECUTED:	12/13/1945
DATE RECORDED:	03/01/1945
BOOK:	2085
PAGE:	306
VOLUME:	NA
INSTRUMENT #:	NA
DOCKET:	NA
LAND RECORD COMMENTS:	SEARCHED BACK TO 1940, COUNTY RECORDS SHOW GRANTOR OWNED BACK TO 1936 IN DOC#1730/509.

EDR Chain of Title

MISCELLANEOUS

EXHIBIT "B"

EDR Chain of Title

MISCELLANEOUS

COMMENTS: NONE IDENTIFIED.

In Testimony Whereof, I have hereunto subscribed my name and affixed my notarial seal on the day and year last aforesaid.

Louis M. Ireton

(Louis M. Ireton) Notary Public, Hamilton County, Ohio.

Deed
FOR RECORD 3-1-45 No. 43 AT 3:25 PM
GEORGE E. REARNS, RECORDER, HAMILTON COUNTY, OHIO

Ohio Warranty Deed

Gen. Ind. 8th Ser. Bk. 58 p. 450

MAR-1-45 354789 --Djs--

J.P.
5.7
2.25

KNOW ALL MEN BY THESE PRESENTS,

THAT E. I. du PONT de NEMOURS and COMPANY, a Delaware corporation, duly licensed to do business in the State of Ohio, the Grantor, for the consideration of Ten Dollars (\$10.00) and other good and valuable consideration, received to its full satisfaction of CITY OF ST. BERNARD, a municipal corporation of the State of Ohio, the Grantee, does give, grant, bargain, sell and convey unto the said Grantee, its successors and assigns, the following described premises, situated in the County of Hamilton, State of Ohio, and known as being all that certain tract of land in Township 3, Second Fractional Range in the Miami Purchase, being in Section 16:

Beginning at the intersection of the easterly line of Lot 3 of the Alfred Phillips Estate Subdivision, of which this tract is a part, with the center line of Bank Street 25 feet wide (being the Northwest corner of a tract of ten (10) acres formerly owned by E. M. Gregory and in 1896 known as the Starch Factory property); thence along the center line of said Street, North 88° 45' West 306.72 feet to a stake at the intersection of the center line of said Street with the right of way line of the Baltimore and Ohio Southwestern Railroad Company; thence South 56° 20' West 833.19 feet parallel to and distant 100 feet from the center line of the east bound main track of said Railroad to a stake; thence South 34° 04' West 416.84 feet to a point in the Corporation line between the City of Cincinnati and the City of St. Bernard; thence along said Corporation line South 0° 30' West 1320 feet to a stake; thence North 20° 59' East 789.32 feet to a stake; thence North 21° 42½' East 102.01 feet to a stake; thence North 44° 19½' East 116.75 feet to a stake; thence North 45° 03' East 323.13 feet to a stake; thence North 55° 18' East 449.36 feet to a stake; thence North 65° 30½' East 178.16 feet to a stake in the line of Lot 3 of the said Alfred Phillips Estate Subdivision, being also the west line of the ten (10) acre tract formerly owned by E. M. Gregory; thence along said east line North 1° 15' East 689.14 feet to the place of beginning.

The said land and premises are conveyed subject to legal highways, block and zoning ordinances, rights of tenants and to all easements and restrictions of record.

Without limiting the foregoing, there are expressly excepted and reserved from this conveyance the following:

X Right of way and easement thirty-four (34) feet in width granted by The Grasselli Chemical Company, a corporation of Ohio, to The Union Gas & Electric Company by deed dated June 11, 1925, for the purpose of constructing, erecting, operating and maintaining thereon the necessary wires, cables, fixtures and equipment for transmitting electrical energy upon, over, through and across said property, the center line of which in said deed is described as follows:

Beginning at a point in the west line of said property, which point is 47.8 feet southwest of the northeast corner of the property now or formerly of Bernard H. Wess, measured along

58
446

B.M.

the east boundary of the property now or formerly of Bernard H. Wess; thence North 38° 30' East 211.15 feet to a point in the north line of said property, which point is 73.3 feet east of the northwest corner of the said property, measured along the north boundary of the property, together with the right to cut, trim or remove any trees, overhanging branches or other obstructions which may endanger the safety of or interfere with the construction, operation or maintenance of said system; but the Grantor herein, E. I. du Pont de Nemours and Company, does hereby grant, sell, assign and convey unto the Grantee herein all of Grantor's right, title and interest in and to the said deed of June 11, 1936, and in and to all rights and reservations thereunder or therein retained.

Easement or right of way for sewer ten feet (10') in width five feet (5') on each side of the center line of the sewer as shown by plat thereof, Accession No. 10,657, as filed in the office of the Chief Engineer, Department of Public Service, Cincinnati, Ohio, granted by The Grasselli Chemical Company, a corporation of Ohio, to the City of Cincinnati by that certain agreement dated March 19, 1917.

The intention of this deed is to convey unto the Grantee, its successors and assigns, only the premises described and conveyed to the Grantor herein by that certain deed from The Grasselli Chemical Company, a Delaware corporation, dated October 31, 1936, and recorded in the Recorder's Office of Hamilton County, Ohio, in Deed Book 1730, page 509.

TO HAVE AND TO HOLD the above granted and bargained premises, with the appurtenances thereof, unto the said Grantee, its successors and assigns, forever, subject as aforesaid.

AND E. I. du Pont de Nemours and Company, the said Grantor, does for itself, and its successors and assigns, covenant with the said Grantee, its successors and assigns, that at and until the sealing of these presents it is well seized of the above described premises, as a good and indefeasible estate in fee simple, and has good right to bargain and sell the same in manner and form as above written, and that the same are free from all encumbrances whatsoever, except as aforesaid, and that it will WARRANT and DEFEND said premises, with the appurtenances thereunto belonging, to the said Grantee, its successors and assigns, against all lawful claims and demands whatsoever, except as aforesaid.

IN WITNESS WHEREOF, the said E. I. du PONT de NEMOURS and COMPANY has caused its corporate seal to be affixed to these presents by W. F. Harrington, its Vice-President, and E. A. Howard, its Assistant Secretary, this 13th day of February, A. D. 1945.

Signed, Sealed and Acknowledged in the Presence of:

W. F. Harrington

Edith E. Griffith

E. I. du PONT de NEMOURS and COMPANY

By W. F. Harrington
Vice-President

By Ed Howard
Assistant Secretary

STATE OF DELAWARE)
) SS.
COUNTY OF NEW CASTLE)

Before me, a Notary Public in and for said County, personally appeared W. F. Harrington and E. A. Howard, known to me to be the persons who, as a Vice-President and Assistant Secretary, respectively, of E. I. du PONT de NEMOURS and COM-

PANY, the corporation which executed the foregoing instrument, signed the same, and acknowledged to me that they did so sign said instrument in the name and upon behalf of said corporation as such officers, respectively; that the same is their free act and deed as such officers, respectively, and the free and corporate act and deed of said corporation; that they were duly authorized thereunto by its Board of Directors; and that the seal affixed to said instrument is the corporate seal of said corporation.

In Testimony Whereof, I have hereunto subscribed my name, and affixed my official seal, at Wilmington, Delaware, this *13th* day of *February*, 1945.

W. R. Belmont
 Notary Public



Deed
 REC. FOR RECORD *3-1-45* No. *36* AT *320m*
 GEORGE E. KEARNS, RECORDER, HAMILTON COUNTY, OHIO *B*

APPROVED FOR
 EXECUTION
W. C. Evans
M. J. Cooney

2085 PAGE 308



REC'D FOR TRANS

2011 JAN 24 PM 1:04

DUSTY RHODES
AUDITOR
HAMILTON COUNTY OHIO

Wayne Coates
Hamilton County Recorders Office
Doc #: 11-0011212 Type: DE
Filed: 01/24/11 01:17:25 PM \$52.00
Off.Rec.: 11635 01262 F R8 5 354

TRANSFER NOT NECESSARY

1163501262Fb

DUSTY RHODES
COUNTY AUDITOR

GRANT OF EASEMENT

58200070002
58200070262
58200070287

In consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, the **CITY OF ST. BERNARD, OHIO**, an Ohio municipal corporation, with a tax mailing address of 110 Washington Avenue, St. Bernard, Ohio 45217 (hereinafter referred to as "Grantor"), hereby grants unto **DUKE ENERGY OHIO, INC.**, an Ohio corporation, with a mailing address of 139 East Fourth Street, Cincinnati, OH 45202 and its successors and assigns (hereinafter referred to as "Grantee"), a perpetual, non-exclusive easement, to construct, reconstruct, operate, patrol, maintain, repair, replace, relocate, add to, modify and remove electric and/or telecommunication overhead line or lines, including but not limited to, all necessary and convenient supporting structures (such as poles), wires, cables, guy wires with anchors, grounding systems, counterpoises, and all other appurtenances, fixtures and equipment (hereinafter referred to as the "Facilities") for the transmission and distribution of electrical energy, and for technological purposes (including but not limited to telecommunications), in, upon, over, along, under, through and across the following described real estate:

Situate in Section 16, Township 3, Fractional Range 2, Miami Purchase, Millcreek Township, City of St. Bernard, State of Ohio, being all of Lot 7 of Bank Avenue Subdivision, as shown in Plat Book 236, Page 20, Hamilton County Recorder's Office, plus un-subdivided land, adjacent to said lot: all as conveyed to the **City of St. Bernard** by deed recorded in Deed Book 2085, Page 306, Hamilton County Recorder's Office; plus part of Lot 8 of said Bank Avenue Subdivision by deed recorded in Official Record Book 11410, Page 1484, said Recorder's Office (hereinafter referred to as "Grantor's Property").

Said Easement shall be shown on a drawing marked Exhibit "A", a copy of which is attached hereto and hereby made a part hereof (hereinafter referred to as "the Easement Area").

11635 1262

EXHIBIT A

PROPERTY

Situated in the City of St. Bernard, Millcreek Township, Section 16, Town 3, Fractional Range 2, Hamilton County, Ohio and being more particularly described as follows:

Being all of Lot Number 7 of the Bank Avenue Subdivision as recorded in Plat Book 236, Page 20 of the Hamilton County Recorder's Office.

PPN: 582-0007-0262-90

CLOSED ST. BERNARD LANDFILL
BANK AVENUE
CINCINNATI, OH 45217

Inquiry Number: 6589052.1S
JULY 28, 2021

The EDR 1940 Chain of Title



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Chain of Title

The EDR Chain of Title Report tracks a line of successive owners from the present back to 1940 of a particular parcel of property, linked together by recorded transactions which pass title. Available nationwide, this report provides a summary of a property's ownership history and is a valuable source for determining the prior uses of a property.

A network of professional abstractors following established procedures, uses client supplied address information to locate:

- Historical Chain of Title research

Thank you for your business.

Please contact EDR at 1-800-352-0050
with any questions or comments.

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EDR Chain of Title

TARGET PROPERTY INFORMATION

ADDRESS

CLOSED ST. BERNARD LANDFILL
BANK AVENUE
CINCINNATI, OH 45217

RESEARCH SOURCE

SOURCE 1: HAMILTON COUNTY RECORDER'S OFFICE

SOURCE 2: HAMILTON COUNTY ASSESSOR'S OFFICE

EXAMINER'S NOTE: PUBLIC RECORDS OF HAMILTON COUNTY, OH WERE SEARCHED FROM JANUARY 1, 1940 TO JULY 22, 2021, AND NO OTHER DEEDS VESTING TITLE IN THE SUBJECT PROPERTY WERE FOUND OF RECORD DURING THE PERIOD SEARCHED.

PROPERTY DESCRIPTION

CURRENT OWNER: CITY OF ST. BERNARD, OHIO

LEGAL DESCRIPTION: BANK AVE 0.02319 AC PT LOT 2 ALFRED PHILLIPSESTATE SUB

PROPERTY IDENTIFIERS: 582-0007-0287-00

GENERAL COMMENTS: NA

HISTORICAL CHAIN OF TITLE

SEE EXHIBIT "A"

MISCELLANEOUS

SEE EXHIBIT "B"

EDR Chain of Title

CHAIN OF TITLE

EXHIBIT "A"

EDR Chain of Title

HISTORICAL CHAIN OF TITLE

PARCEL 582-0007-0287-00

CHAIN 1

TYPE OF DEED: GENERAL WARRANTY DEED
TITLE IS VESTED IN: CITY OF ST. BERNARD, OHIO
TITLE RECEIVED FROM: GREGG M ZIEGLER AND MOLLY E ZIEGLER
DATE EXECUTED: 03/18/2010
DATE RECORDED: 04/20/2010
BOOK: 11410
PAGE: 01484
VOLUME: NA
INSTRUMENT #: NA
DOCKET: NA
LAND RECORD COMMENTS: NA

CHAIN 2

TYPE OF DEED: GENERAL WARRANTY DEED
TITLE IS VESTED IN: GREGG M ZIEGLER AND MOLLY E ZIEGLER
TITLE RECEIVED FROM: DAN G WELAGE AND JOYCE G WELAGE
DATE EXECUTED: 09/07/2004
DATE RECORDED: 09/15/2004
BOOK: 9727
PAGE: 434
VOLUME: NA
INSTRUMENT #: NA
DOCKET: NA
LAND RECORD COMMENTS: NA

EDR Chain of Title

CHAIN 3

TYPE OF DEED: GENERAL WARRANTY DEED
TITLE IS VESTED IN: DAN G WELAGE AND JOYCE G WELAGE
TITLE RECEIVED FROM: JACQUELINE A HENKE-SHRADER AND JAN D SHRADER
DATE EXECUTED: 09/11/2000
DATE RECORDED: 09/13/2000
BOOK: 8369
PAGE: 742
VOLUME: NA
INSTRUMENT #: NA
DOCKET: NA
LAND RECORD COMMENTS: NA

CHAIN 4

TYPE OF DEED: QUIT CLAIM DEED
TITLE IS VESTED IN: JACQUELINE A HOLT-HENKE
TITLE RECEIVED FROM: GREG R HOLT
DATE EXECUTED: 02/09/1999
DATE RECORDED: 02/10/1999
BOOK: 7881
PAGE: 2699
VOLUME: NA
INSTRUMENT #: NA
DOCKET: NA
LAND RECORD COMMENTS: NA

CHAIN 5

TYPE OF DEED: GENERAL WARRANTY DEED
TITLE IS VESTED IN: JACQUELINE A HOLT AND GREG R HOLT
TITLE RECEIVED FROM: JACQUELINE A SCHNATZ-HOLT AND GREG R HOLT
DATE EXECUTED: 11/11/1992
DATE RECORDED: 11/18/1992
BOOK: 6011
PAGE: 2385
VOLUME: NA
INSTRUMENT #: NA
DOCKET: NA
LAND RECORD COMMENTS: NA

EDR Chain of Title

CHAIN 6

TYPE OF DEED: QUIT CLAIM DEED
TITLE IS VESTED IN: JACQUELINE SCHNATZ
TITLE RECEIVED FROM: NICK SCHNATZ
DATE EXECUTED: 08/24/1988
DATE RECORDED: 11/04/1988
BOOK: 4872
PAGE: 876
VOLUME: NA
INSTRUMENT #: NA
DOCKET: NA
LAND RECORD COMMENTS: NA

CHAIN 7

TYPE OF DEED: WARRANTY DEED
TITLE IS VESTED IN: NICK SCHNATZ AND JACQUELINE SCHNATZ
TITLE RECEIVED FROM: CITY OF ST. BERNARD
DATE EXECUTED: 09/07/1984
DATE RECORDED: 09/20/1984
BOOK: 4295
PAGE: 1166
VOLUME: NA
INSTRUMENT #: NA
DOCKET: NA
LAND RECORD COMMENTS: NA

CHAIN 8

TYPE OF DEED: WARRANTY DEED
TITLE IS VESTED IN: CITY OF ST. BERNARD
TITLE RECEIVED FROM: E. I. DE POINT DE NEMOURS AND CO.
DATE EXECUTED: 02/13/1945
DATE RECORDED: 03/01/1945
BOOK: 2085
PAGE: 306
VOLUME: NA
INSTRUMENT #: NA
DOCKET: NA
LAND RECORD COMMENTS: SEARCHED BACK TO 1940, COUNTY RECORDS SHOW GRANTOR OWNED
BACK TO 1936 IN DOC#1730/509.

EDR Chain of Title

MISCELLANEOUS

EXHIBIT "B"

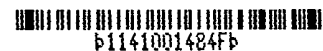
EDR Chain of Title

MISCELLANEOUS

COMMENTS:

NONE IDENTIFIED.

Wayne Coates
Hamilton County Recorders Office
Doc #: 10-0043485 Type: DE
Filed: 04/20/10 03:20:17 PM \$36.00
Off.Rec.: 11410 01484 F T24 3 360



GENERAL WARRANTY DEED

GREGG M. ZIEGLER and MOLLY E. ZIEGLER, husband and wife, for valuable consideration paid, grant, with general warranty covenants, to the **CITY OF ST. BERNARD, OHIO**, an Ohio municipal corporation, whose tax-mailing address is 110 Washington Avenue, St. Bernard, Ohio 45217, the real property more particularly described on **Exhibit A** attached hereto and incorporated herein.

The foregoing general warranty covenants are subject to real estate taxes and assessments not yet due and payable and easements and restrictions of record.

This is a conveyance between adjoining property owners made in compliance with Section 711.001(B)(1), Ohio Revised Code, and does not create an additional building site nor violate any zoning regulation or other public regulation in the parcels hereby conveyed or in the balance of the parcel retained by the grantor herein. The parcel hereby conveyed may not hereafter be conveyed separately from the grantee's adjoining parcel nor any structure requiring a separate building site erected thereon without the prior approval of the authority having approving jurisdiction of plats.

Prior instrument reference: Official Record 9727, Page 434 of the Records of Hamilton County, Ohio.

IN WITNESS WHEREOF, the undersigned has caused this instrument to be executed this 18 day of March 2010.

Transfer Fee: 0.50
Conveyance Fee: 0.00
Free total: 0.50

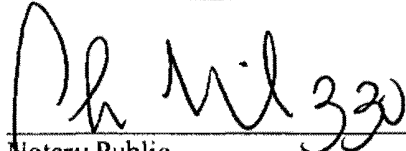
Gregg M. Ziegler

Molly E. Ziegler

Convey. number:
Deed number: 206496
Instr. number: 209620
Transfer date: 04/06/2010
Sec. 319.202 R.C.
Sec. 322.02 R.C.
Dusty Rhodes
Hamilton County Auditor
Sales amount: 0
Surrender fee: 0.00

STATE OF OHIO)
) SS:
COUNTY OF HAMILTON)

The foregoing instrument was acknowledged before me this 18 day of March 2010 by
Gregg M. Ziegler.

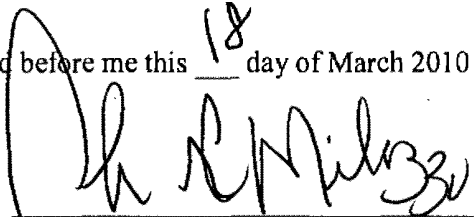


Notary Public
Commission Expires: _____

CHARLES C. MILAZZO, ATTORNEY AT LAW
NOTARY PUBLIC - STATE OF OHIO
My Commission has no expiration
date, Section 147.03 O.R.C.

STATE OF OHIO)
) SS:
COUNTY OF HAMILTON)

The foregoing instrument was acknowledged before me this 18 day of March 2010 by
Molly E. Ziegler.



Notary Public
Commission Expires: _____

CHARLES C. MILAZZO, ATTORNEY AT LAW
NOTARY PUBLIC - STATE OF OHIO
My Commission has no expiration
date, Section 147.03 O.R.C.

This instrument prepared by:
Tamara A. Miano
Taft, Stettinius & Hollister LLP
425 Walnut Street, Suite 1800
Cincinnati, Ohio 45202
(513) 381-2838