

**Appendix C**  
**Soil Boring Logs: 12-27-22**  
100 W. 10th Street  
Tyrone, Blair County, Pennsylvania  
Synergy Project # 21-00186-PA0329

**Synergy**   
**Environmental Inc.**  
**Environmental Consultants**

		<b>PROJECT</b>  Emmaus 4002 Chestnut St Lehigh County, PA	BORING/WELL ID	24-SB1		
			PAGE	1 of 1		
			PROJECT NO.	24-01483		
			CHKD. BY			
DRILLING CO.	C.S. Garber	LOCATION	North of tank field		NOTES	
OPERATOR						
CONSULTANT	RMH	DATE START	8/15/2024	DATE END	8/16/2024	
Method:	Direct Push			Groundwater Readings (from top of PVC)		
Casing:	N/A	Date	Time	Depth	Elev.	
Completion:						
Total Depth:	18'					
DEPTH	COMMENTS	STRATIGRAPHIC COLUMN			PID Readings (ppm)	
1	Sample @17.5'	0'-5' Softdig				
2					0.0	
3					0.0	
4					0.0	
5					0.0	
6					0.0	
7					0.0	
8					0.0	
9		5'-14' Brown silt, high plasticity			0.0	
10					0.0	
11					0.0	
12					0.0	
13					3.9	
14		14'-18' Grayish-brown medium grain sands			1.3	
15					57.9	
16					74.4	
17					1327	
18						
19						
20						
21						
22						
23						
24						
Remarks:	Refusal at 18'					

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**Soil Boring Logs: 12-27-22**  
100 W. 10th Street  
Tyrone, Blair County, Pennsylvania  
Synergy Project # 21-00186-PA0329

**Synergy** Environmental Inc.  
Environmental Consultants

<b>PROJECT</b> Emmaus 4002 Chestnut St Lehigh County, PA		BORING/WELL ID		24-SB2	
		PAGE		1 of 1	
		PROJECT NO.		24-01483	
		CHKD. BY			
DRILLING CO.	C.S. Garber	LOCATION	North of tank field		NOTES
OPERATOR					
CONSULTANT	RMH	DATE START	8/15/2024	DATE END	8/16/2024
Method:	Direct Push	Groundwater Readings (from top of PVC)			
Casing:	N/A	Date	Time	Depth	Elev.
Completion:					
Total Depth:	20'				
DEPTH	COMMENTS	STRATIGRAPHIC COLUMN			PID Readings (ppm)
1	Sample @19.5'	0'-5' Softdig			
2		5'-13' Brown silt, high plasticity			0.0
3		13'-14' Light brown medium grain sands			0.0
4		14'-18' Grayish-brown sandy silt			0.0
5		18'-20' Gray sandy silt			0.0
6					0.0
7					0.0
8					0.0
9					0.0
10					0.0
11					0.0
12					0.0
13					0.3
14					1.3
15					0.5
16					1.7
17					4
18					30.6
19					35.3
20					
21					
22					
23					
24					
Remarks:	Refusal at 20'				

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Tyrone, Blair County, Pennsylvania  
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**Synergy** Environmental Inc.  
Environmental Consultants

		<b>PROJECT</b>  Emmaus 4002 Chestnut St Lehigh County, PA	<b>BORING/WELL ID</b>  PAGE PROJECT NO. CHKD. BY	24-SB3			
				1 of 1			
				24-01483			
<b>DRILLING CO.</b>	C.S. Garber	<b>LOCATION</b>	East of tank field		<b>NOTES</b>		
<b>OPERATOR</b>							
<b>CONSULTANT</b>	RMH	<b>DATE START</b>	8/15/2024	<b>DATE END</b>	8/16/2024		
<b>Method:</b>	Direct Push		<b>Groundwater Readings (from top of PVC)</b>				
<b>Casing:</b>	N/A	Date	Time	Depth	Elev.		
<b>Completion:</b>							
<b>Total Depth:</b>	16'						
<b>DEPTH</b>	<b>COMMENTS</b>	<b>STRATIGRAPHIC COLUMN</b>			<b>PID Readings (ppm)</b>		
1	Sample @15'	0'-5' Softdig					
2		5'-12' Brown silt, high plasticity			0.0		
3		12'-14' Brown sandy silt			0.0		
4		14'-16' Tan-brown fine sands			0.0		
5					0.0		
6					0.0		
7					0.0		
8					0.0		
9					0.0		
10					0.0		
11					0.0		
12					0.0		
13					0.0		
14					0.6		
15					0.3		
16							
17							
18							
19							
20							
21							
22							
23							
24							
<b>Remarks:</b>	Stop @ 16' due to no evidence of impact below tanks						

**Appendix C**  
**Soil Boring Logs: 12-27-22**  
100 W. 10th Street  
Tyrone, Blair County, Pennsylvania  
Synergy Project # 21-00186-PA0329

**Synergy** Environmental Inc.  
Environmental Consultants

		<b>PROJECT</b>  Emmaus 4002 Chestnut St Lehigh County, PA	<b>BORING/WELL ID</b>  PAGE PROJECT NO. CHKD. BY	24-SB4			
				1 of 1			
				24-01483			
<b>DRILLING CO.</b>	C.S. Garber	<b>LOCATION</b>	East of tank field		<b>NOTES</b>		
<b>OPERATOR</b>							
<b>CONSULTANT</b>	RMH	<b>DATE START</b>	8/15/2024	<b>DATE END</b>	8/16/2024		
<b>Method:</b>	Direct Push		<b>Groundwater Readings (from top of PVC)</b>				
<b>Casing:</b>	N/A	<b>Date</b>	<b>Time</b>	<b>Depth</b>	<b>Elev.</b>		
<b>Completion:</b>							
<b>Total Depth:</b>	16'						
<b>DEPTH</b>	<b>COMMENTS</b>	<b>STRATIGRAPHIC COLUMN</b>			<b>PID Readings (ppm)</b>		
1	Sample @14.5'	0'-5' Softdig					
2		5'-8' Brown silt, high plasticity			0.0		
3		8'-10' Brown sandy silt			0.0		
4		10'-12' Brown silt, high plasticity			0.0		
5		12'-13' Reddish-gray sandy silt			0.0		
6		13'-15' Tan-brown fine sands			0.8		
7		15'-16' Light brown sandy silt			1.1		
8					0.9		
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
<b>Remarks:</b>	Stop @ 16' due to no evidence of impact below tanks						

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100 W. 10th Street  
Tyrone, Blair County, Pennsylvania  
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**Environmental Inc.**  
**Environmental Consultants**

		<b>PROJECT</b>  Emmaus 4002 Chestnut St Lehigh County, PA	<b>BORING/WELL ID</b>  PAGE PROJECT NO. CHKD. BY	24-SB5			
				1 of 1			
				24-01483			
<b>DRILLING CO.</b>	C.S. Garber	<b>LOCATION</b>	South of tank field		<b>NOTES</b>		
<b>OPERATOR</b>							
<b>CONSULTANT</b>	RMH	<b>DATE START</b>	8/15/2024	<b>DATE END</b>	8/16/2024		
<b>Method:</b>	Direct Push		<b>Groundwater Readings (from top of PVC)</b>				
<b>Casing:</b>	N/A	Date	Time	Depth	Elev.		
<b>Completion:</b>							
<b>Total Depth:</b>	16'						
<b>DEPTH</b>	<b>COMMENTS</b>	<b>STRATIGRAPHIC COLUMN</b>			<b>PID Readings (ppm)</b>		
1	Sample @15.5'	0'-5' Softdig					
2		5'-13' Pea gravel, no recovery					
3		13'-14' Tank-brown medium sand with gravel			0.0		
4		14'-16' Light brown fine sands			0.0		
5					0.0		
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
<b>Remarks:</b>	Stop @ 16' due to no evidence of impact below tanks						

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100 W. 10th Street  
Tyrone, Blair County, Pennsylvania  
Synergy Project # 21-00186-PA0329

**Synergy**   
**Environmental Inc.**  
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		<b>PROJECT</b>  Emmaus 4002 Chestnut St Lehigh County, PA	<b>BORING/WELL ID</b>  PAGE PROJECT NO. CHKD. BY	24-SB6			
				1 of 1			
				24-01483			
<b>DRILLING CO.</b>	C.S. Garber	<b>LOCATION</b>	West of tank field		<b>NOTES</b>		
<b>OPERATOR</b>							
<b>CONSULTANT</b>	RMH	<b>DATE START</b>	8/15/2024	<b>DATE END</b>	8/16/2024		
<b>Method:</b>	Direct Push		<b>Groundwater Readings (from top of PVC)</b>				
<b>Casing:</b>	N/A	Date	Time	Depth	Elev.		
<b>Completion:</b>							
<b>Total Depth:</b>	16'						
<b>DEPTH</b>	<b>COMMENTS</b>	<b>STRATIGRAPHIC COLUMN</b>			<b>PID Readings (ppm)</b>		
1	Sample @15.5'	0'-5' Softdig					
2		5'-14' Pea gravel, small amount of sandy silts recovered					
3		14'-16' Brown medium grain sands			0.0		
4					0.0		
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
<b>Remarks:</b>	Stop @ 16' due to no evidence of impact below tanks						

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**Soil Boring Logs: 12-27-22**  
100 W. 10th Street  
Tyrone, Blair County, Pennsylvania  
Synergy Project # 21-00186-PA0329

**Synergy**   
**Environmental Inc.**  
**Environmental Consultants**

		<b>PROJECT</b>  Emmaus 4002 Chestnut St Lehigh County, PA	BORING/WELL ID	24-SB7		
			PAGE	1 of 1		
			PROJECT NO.	24-01483		
			CHKD. BY			
DRILLING CO.	C.S. Garber	<b>LOCATION</b> Northeast of tank field			NOTES	
OPERATOR						
CONSULTANT	RMH	DATE START	11/5/2024	DATE END	11/5/2024	
Method:	Direct Push	<b>Groundwater Readings (from top of PVC)</b>				
Casing:	N/A	Date	Time	Depth	Elev.	
Completion:						
Total Depth:	18'					
DEPTH	COMMENTS	<b>STRATIGRAPHIC COLUMN</b>			PID Readings (ppm)	
1	Sample @17.5'	0'-5' Softdig				
2		5'-12' Brown silty clay, high plasticity			0.0	
3		12'-18' Reddish-brown medium grain sands, poorly graded			0.0	
4					0.0	
5					0.0	
6					0.0	
7					0.0	
8					0.0	
9					0.0	
10					0.0	
11					0.0	
12					0.0	
13					0.0	
14					0.0	
15					0.0	
16					0.0	
17					0.0	
18						
19						
20						
21						
22						
23						
24						
Remarks:	Refusal at 18'					

**Appendix C**  
**Soil Boring Logs: 12-27-22**  
100 W. 10th Street  
Tyrone, Blair County, Pennsylvania  
Synergy Project # 21-00186-PA0329

**Synergy** Environmental Inc.  
Environmental Consultants

		<b>PROJECT</b>  Emmaus 4002 Chestnut St Lehigh County, PA	<b>BORING/WELL ID</b>  PAGE PROJECT NO. CHKD. BY	24-SB8			
				1 of 1			
				24-01483			
<b>DRILLING CO.</b>	C.S. Garber	<b>LOCATION</b>	Northeast of tank field		<b>NOTES</b>		
<b>OPERATOR</b>							
<b>CONSULTANT</b>	RMH	<b>DATE START</b>	11/5/2024	<b>DATE END</b>	11/5/2024		
<b>Method:</b>	Direct Push	<b>Groundwater Readings (from top of PVC)</b>					
<b>Casing:</b>	N/A	Date	Time	Depth	Elev.		
<b>Completion:</b>							
<b>Total Depth:</b>	18'						
<b>DEPTH</b>	<b>COMMENTS</b>	<b>STRATIGRAPHIC COLUMN</b>			<b>PID Readings (ppm)</b>		
1	Sample @17.5'	0'-5' Softdig					
2		5'-7' Brown silty clay, high plasticity			0.0		
3		7'-10' Reddish-brown silty clay, high plasticity			0.0		
4		10'-12' Reddish-brown sandy silt			0.0		
5		12'-14' Reddish-brown medium sands, poorly graded			0.0		
6		14'-15' Pieces of Quartzite			0.0		
7		15'-18' Brown medium sands, poorly graded			0.0		
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
<b>Remarks:</b>	Refusal at 18'						

**Appendix C  
Soil Boring Logs: 12-27-22  
100 W. 10th Street  
Johnstown, Blair County, Pennsylvania  
Energy Project # 21-00186-PA0329**

# Synergy Environmental Inc.

Environmental Consultants

Synergy Environmental Inc.		Environmental Consultants		PROJECT Emmaus 4002 Chestnut St Lehigh County, PA	BORING/WELL ID PAGE PROJECT NO. CHKD. BY	24-SB9 1 of 1 24-01483	
DRILLING CO.	C.S. Garber	LOCATION	North of tank field			NOTES	
OPERATOR							
CONSULTANT	RMH	DATE START	11/5/2024			DATE END	11/5/2024
Method:	Direct Push	Groundwater Readings (from top of PVC)					
Casing:	N/A	Date	Time	Depth	Elev.		
Completion:							
Total Depth:	14'						
DEPTH	COMMENTS	STRATIGRAPHIC COLUMN			PID Readings (ppm)	Well Diagram	Construction Details
1							
2							
3							
4							
5							
6							
7							
8		0'-5' Softdig					
9							
10							
11							
12							
13		5'-12' Brown silty clay, high plasticity					
14							
15							
16		12'-14' Brown medium sand, poorly graded					
17							
18							
19							
20							
21							
22							
23							
24							
Remarks:	Refusal @ 14'						

**Appendix C**  
**Soil Boring Logs: 12-27-22**  
100 W. 10th Street  
Tyrone, Blair County, Pennsylvania  
Synergy Project # 21-00186-PA0329

**Synergy** Environmental Inc.  
Environmental Consultants

<b>PROJECT</b> Emmaus 4002 Chestnut St Lehigh County, PA		BORING/WELL ID		24-SB10	
		PAGE		1 of 1	
		PROJECT NO.		24-01483	
		CHKD. BY			
DRILLING CO.		C.S. Garber	LOCATION	Northwest of tank field	
OPERATOR		RMH	DATE START	11/5/2024	DATE END
CONSULTANT		Direct Push		11/5/2024	
Method:				Groundwater Readings (from top of PVC)	
Casing:		N/A	Date	Time	Depth
Completion:					Elev.
Total Depth:		23'			
DEPTH	COMMENTS	STRATIGRAPHIC COLUMN			PID Readings (ppm)
1	Sample @17.5'	0'-5' Softdig			
2		5'-8' Gray coarse sand			0.0
3		8'-11' Brown silty clay, high plasticity			0.0
4		11'-12' Reddish-brown silt, high plasticity			0.0
5					0.0
6					0.0
7					0.0
8					0.0
9					0.0
10					0.0
11					0.0
12					0.0
13					0.0
14					0.0
15					0.0
16					0.0
17		12'-23' Brown medium sands, poorly graded			0
18					8.9
19					397.1
20					565.6
21					610.0
22					671.5
23					
24					
Remarks:	Refusal @ 23'				

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100 W. 10th Street  
Tyrone, Blair County, Pennsylvania  
Synergy Project # 21-00186-PA0329

**Synergy** Environmental Inc.  
Environmental Consultants

		<b>PROJECT</b>  Emmaus 4002 Chestnut St Lehigh County, PA	<b>BORING/WELL ID</b>  PAGE PROJECT NO. CHKD. BY	24-SB11			
				1 of 1			
				24-01483			
<b>DRILLING CO.</b>	C.S. Garber	<b>LOCATION</b>	Northwest of tank field		<b>NOTES</b>		
<b>OPERATOR</b>							
<b>CONSULTANT</b>	RMH	<b>DATE START</b>	11/5/2024	<b>DATE END</b>	11/5/2024		
<b>Method:</b>	Direct Push		<b>Groundwater Readings (from top of PVC)</b>				
<b>Casing:</b>	N/A	<b>Date</b>	<b>Time</b>	<b>Depth</b>	<b>Elev.</b>		
<b>Completion:</b>							
<b>Total Depth:</b>	20'						
<b>DEPTH</b>	<b>COMMENTS</b>	<b>STRATIGRAPHIC COLUMN</b>			<b>PID Readings (ppm)</b>		
1	Sample @17.5'  Sample @19.5'	0'-5' Softdig			0.0		
2					0.0		
3					0.0		
4					0.0		
5					0.0		
6					0.0		
7					0.0		
8					0.0		
9					0.0		
10		5'-15' Brown silty clay, high plasticity			0.0		
11					0.0		
12					0.0		
13					0.0		
14					0.0		
15		15'-18' Brown medium sand, poorly graded			0.0		
16					0.0		
17					0.0		
18		18'-20' Grayish-brown medium sand, poorly graded			0.0		
19					0.0		
20					0.0		
21							
22							
23							
24							
<b>Remarks:</b>	Stop @ 20' due to no evidence of impact in delineation areas						

**Appendix C**  
**Soil Boring Logs: 12-27-22**  
100 W. 10th Street  
Tyrone, Blair County, Pennsylvania  
Synergy Project # 21-00186-PA0329

**Synergy** Environmental Inc.  
Environmental Consultants

		<b>PROJECT</b>  Emmaus 4002 Chestnut St Lehigh County, PA	<b>BORING/WELL ID</b>  PAGE PROJECT NO. CHKD. BY	24-SB12			
				1 of 1			
				24-01483			
<b>DRILLING CO.</b>	C.S. Garber	<b>LOCATION</b>	Northwest of canopy, 24-SB-10		<b>NOTES</b>		
<b>OPERATOR</b>							
<b>CONSULTANT</b>	RMH	<b>DATE START</b>	11/5/2024	<b>DATE END</b>	11/5/2024		
<b>Method:</b>	Direct Push		<b>Groundwater Readings (from top of PVC)</b>				
<b>Casing:</b>	N/A	<b>Date</b>	<b>Time</b>	<b>Depth</b>	<b>Elev.</b>		
<b>Completion:</b>							
<b>Total Depth:</b>	22'						
<b>DEPTH</b>	<b>COMMENTS</b>	<b>STRATIGRAPHIC COLUMN</b>			<b>PID Readings (ppm)</b>		
1		0'-5' Softdig					
2					0.0		
3					0.0		
4					0.0		
5		5'-8' Brown silty clay, high plasticity			0.0		
6					0.0		
7					0.0		
8					0.0		
9		8'-12' Brown silty clay, low plasticity			0.0		
10					0.0		
11					0.0		
12					0.0		
13					0.0		
14		12'-18' Brown medium grain sands, poorly graded			0.0		
15					0.0		
16					0.0		
17	Sample @17.5'				0.0		
18					0.0		
19		18'-22' Grayish-brown silt, low plasticity			0.0		
20					0.0		
21					0.0		
22	Sample @22.5'						
23							
24							
<b>Remarks:</b>	Refusal @ 22'						