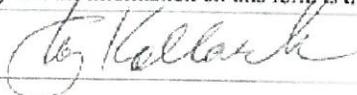


Facility/Project Name IPL - Petersburg		SCS # 25211429.53	License/Permit/Monitoring Number		Boring Number B7
Boring Drilled By (Firm name and name of crew chief) American Drilling Services Jeremy Wallace			Drilling Started 08/30/2011	Drilling Completed 08/31/2011	Drilling Method HSA
Facility Well No.	Unique Well No.	Common Well Name	Static Water Level Feet	Surface Elevation 439.65 Feet	Borehole Diam. 6.5 Inches
Boring Location State Plane SW 1/4 of NE 1/4 of Section 12, T. 1 N., R. 8 W.			Lat. Long.	Local Grid Location (If applicable) -135 N 1156 E	
County Pike County, Indiana			Location Code	Civil Town/City/or Village	

Sample Number	Length Recovered	Blow Counts	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	Max. PID/FID	Soil Properties			RQD/ Comments
									Standard Penetration	Moisture Content	P200	
S1	18	06-09 10-10		SAND and GRAVEL, 5YR 2.5/1, sand is fine to medium (slag).								
				SAND, 7.5YR 5/6, brown (fill).								
S2	24	06-07 10-11	5	SANDY SILT with GRAVEL, 7.5YR 4/4, silt is fine, limestone pieces (fill).					2.0- <4.5	M		
S3	24	06-04 05-12	10	CLAY, 7.5YR 4/2, stiff.					2.0- 4.0	M		
				Sand, 7.5YR 5/4, medium, loose.								
S4		02-05 06-08		Same as above.					2.0- 3.0	W		

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature  Firm **SCS BT Squared Tony Kollasch**

SCS BT Squared

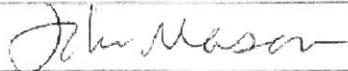
Boring Number B7

Sample		Blow Counts	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	Max. PID/FID	Soil Properties			RQD/ Comments
Number	Length Recovered								Standard Penetration	Moisture Content	P200	
S5	18	02-03 03-01		SILT with FINE SAND (in layers), 7.5YR 3/2.				0.5- 1.0	w			
S6	24	WOH	20	SILT, 7.5YR 3/3, soupy.				0- <0.5	w			
S7	24	01/ 24"	25	SILT, 7.5YR 2.5/3, soupy.				0- <0.5	w			
S8	15	05-06 08-09	30	CLAY, mottled, 7.5YR 4/6 and 7.5YR 5/1, stiff to very stiff.				1.5- 4.0	M			
S9	18	WOH- 01 02-03		Same as above, mottled, 7.5YR 5/6 and 7.5YR 5/2.				1.0- 1.5	M			

Facility/Project Name IPL - Petersburg		SCS # 25211429.53	License/Permit/Monitoring Number		Boring Number B8
Boring Drilled By (Firm name and name of crew chief) American Drilling Services Jeremy Wallace			Drilling Started 09/06/2011	Drilling Completed 09/06/2011	Drilling Method 3 1/2" HSA
Facility Well No.	Unique Well No.	Common Well Name	Static Water Level Feet	Surface Elevation 441.75 Feet	Borehole Diam. 6.5 Inches
Boring Location State Plane NE 1/4 of NE 1/4 of Section 12, T. 1 N., R. 8 W.			Lat. Long.	Local Grid Location (If applicable) 1529 N 1720 E Feet	
County Pike County, Indiana			Location Code	Civil Town/City/or Village Petersburg	

Sample		Blow Counts	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	Max. PID/FID	Soil Properties			RQD/ Comments
Number	Length Recovered								Standard Penetration	Moisture Content	P200	
S1	20	03-07 03-02		SILTY SAND, fine (fill). SILT SAND, 2.5Y 2.5/1, fine to medium, some fine coal pieces (fill and ash).							M	
S2	22	03-05 06-08	5	CLAY, 7.5YR 4/4, massive, some root hairs, slightly plastic, black pieces of wood.				2.0- 4.5			M	
S3	21	03-05 07-09	10	CLAY, 7.5YR 4/6, massive.				2.5			M	
S4	21	03-07 09-10		CLAY, 10YR 4/3, massive, 1" silty fine sand layer at 13.5'.				3.8- 4.0			M	

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature 	Firm SCS BT Squared John Mason
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SCS BT Squared

10-92

Boring Number B8

Page 2

Sample		Blow Counts	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	Max. PID/FID	Soil Properties			RQD/ Comments
Number	Length Recovered								Standard Penetration	Moisture Content	P200	
S5	20	02-06 08-11		Color change to 10YR 4/2, massive.				3.0	w			
S6	24	04-06 10-16	20	CLAY, 10YR 4/3, trace inclusion of black plant material, massive.				2.5-3.5	w			
S7	22	03-06 06-09	25	As above.				2.7-3.0	M			
S8	19	01-03 03-03	30	CLAYEY SAND, 10YR 5/6, fine.								
				SANDY CLAY, 10YR 4/4, 1" silty sand layers at 29' and 30'.					M			
S9	19	01-02 04-05		SILTY SAND, 10YR 4/4, fine, massive, wet at approximately 33'.					w			

SCS BT Squared
Civil & Environmental Engineering

SOIL BORING LOG INFORMATION

10-92

Facility/Project Name IPL - Petersburg		SCS # 25211429.53	License/Permit/Monitoring Number		Boring Number B9 / P29
Boring Drilled By (Firm name and name of crew chief) American Drilling Services Jeremy Wallace			Drilling Started 09/07/2011	Drilling Completed 09/07/2011	Drilling Method 4 1/2" HSA
Facility Well No.	Unique Well No.	Common Well Name	Static Water Level Feet	Surface Elevation 440.05 Feet	Borehole Diam. 8.5 Inches
Boring Location State Plane SE 1/4 of SE 1/4 of Section 1, T. 1 N., R. 8 W.			Lat. N	Local Grid Location (If applicable) 2062 N 1527 E	
County Pike County, Indiana		Location Code	Civil Town/City/or Village Petersburg		

Sample Number	Length Recovered	Blow Counts	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	Max. PID/FID	Soil Properties			RQD/ Comments
									Standard Penetration	Moisture Content	P200	
S1	20	03-09 10-12	-	SILT, gray to brown (fill and ash).	.							
				SILT, 10YR 6/6 (fill).	.				D			
				SANDY SILT, 10YR 4/2 (fill).	.							
S2	24	06-07 07-08	5	CLAY, dark grayish brown, blocky structure (fill).	.					M		
S3	20	06-07 21-21	10	SILTY SAND, 10YR 4/3, fine (fill).	.					M		
				CLAY, 10YR 5/4.	.							
S4	24	05-12 12-17		CLAYEY SAND, 10YR 5/2, fine (fill).	.					M		

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature <i>John Mason</i>	Firm SCS BT Squared John Mason
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SCS BT Squared

Boring Number B9 / PZ9

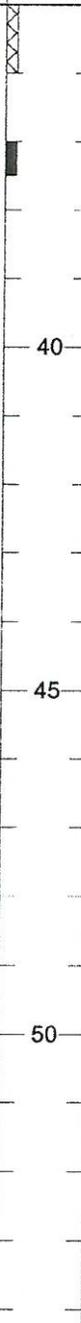
Sample		Blow Counts	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	Max. PID/FID	Soil Properties			RQD/ Comments
Number	Length Recovered								Standard Penetration	Moisture Content	P200	
S5	18	05-06 10-14	18	CLAY, 10YR 4/3, trace small pieces of wood.					3.5-4.5	M		
S6	23	05-06 06-08	23	CLAY, 10YR 4/3, massive.					2.5-3.0	M		
S7	23	02-02 02-03	25	As above, moderate plasticity.					0.7-1.2	M		
S8	24	01-01 02-04	29.5 29.9	SANDY CLAY, 7.5YR 4/6, fine sand, very soft, 1" silty fine sand layers at 29.5' and 29.9'.						M		
S9	20	04-07 07-08	33.8	POORLY GRADED SAND with SILT, 7.5YR 5/3, fine to medium, massive, wet at approximately 33.8'.						W		

SCS BT Squared

10-92

Boring Number B9 / PZ9

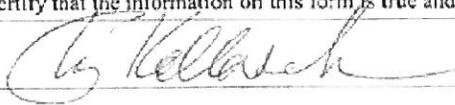
Page 3

Sample		Blow Counts	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	Max. PID/FID	Soil Properties			RQD/ Comments
Number	Length Recovered								Standard Penetration	Moisture Content	P200	
S10	20	01-04 06-07		POORLY GRADED SAND, 10YR 4/3, fine to medium, massive. End of boring @ 38'.					w			

Facility/Project Name IPL - Petersburg		SCS # 25211429.53	License/Permit/Monitoring Number		Boring Number B-10 / PZ-10
Boring Drilled By (Firm name and name of crew chief) American Drilling Service Jeremy Wallace			Drilling Started 09/01/2011	Drilling Completed	Drilling Method HSA
Facility Well No.	Unique Well No.	Common Well Name	Static Water Level Feet	Surface Elevation 441.24 Feet	Borehole Diam. Inches
Boring Location State Plane SW 1/4 of SW 1/4 of Section 6, T. 1 N., R. 7 W.			Lat. Long.	Local Grid Location (If applicable) 2339 N 3318 E	
County Pike County, Indiana		Location Code	Civil Town/City/or Village Petersburg		

Sample Number	Length Recovered	Blow Counts	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	Max. PID/FID	Soil Properties			RQD/ Comments
									Standard Penetration	Moisture Content	P200	
S1	12	03-05 05-06		SANDY SILT, 7.5YR 4/4, fine, stiff.					4.0	M		
S2	16	03-06 07-08	5	As above, 7.5YR 5/2 and 7.5YR 6/6.					2.5- 3.0	M		
S3	24	04-07 08-10	10	SILTY SAND, 7.5YR 5/4, fine.					1.5- 3.5	M		
S4	22	05-06 10-16		SANDY SILT, 7.5YR 4/3, fine, very stiff.					3.0- 4.5	M		

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature 	Firm SCS BT Squared Tony Kollasch
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SCS BT Squared

Boring Number B-10 / PZ-10

Sample		Blow Counts	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	Max. PID/FID	Soil Properties			RQD/ Comments
Number	Length Recovered								Standard Penetration	Moisture Content	P200	
S5	20	04-06 14-11		SANDY SILT, 7.5YR 4/3, fine, very stiff, coarse sand layer at 17' to 17.5'.				2.5- 4.0	M			
S6	22	05-08 09-10	20	CLAY, mottled, 7.5YR 5/4 and 7.5YR 6/2.				3.0- 4.0	M			
S7	24	02-03 04-04	25	Same as above.				2.0	M			
S8	24	02-02 02-03		Same as above.				1.0- 1.5	M			
S9	24	01-02 03-02	30	Same as above, pinkish gray more predominant.				1.0	M			

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Civil & Environmental Engineering**

Facility/Project Name IPL - Petersburg		SCS # 25211429.53	License/Permit/Monitoring Number	Boring Number B11
Boring Drilled By (Firm name and name of crew chief) American Drilling Services Jeremy Wallace			Drilling Started 09/06/2011	Drilling Completed 09/06/2011
Facility Well No.	Unique Well No.	Common Well Name	Static Water Level Feet	Surface Elevation 442.38 Feet
Boring Location State Plane SW 1/4 of SW 1/4 of Section 6, T. 1 N., R. 7 W.			Lat. Long.	Local Grid Location (If applicable) 1738 N 2807 E
County Pike County, Indiana		Location Code	Civil Town/City/or Village Petersburg	

Sample Number	Length Recovered	Blow Counts	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	Max. PID/FID	Soil Properties			RQD/ Comments
									Standard Penetration	Moisture Content	P200	
S1	23	05-27 34-34		SILT with GRAVEL (fill). SAND and SILT with GRAVEL, sand and gravel consists of coal and slag, non-plastic (ash).							M	
S2	22	04-08 10-09	5	CLAY, 7.5YR 3/2, brown mottles and black plant material, low plasticity.					2.0-4.0		M	
S3	20	02-03 03-04	10	CLAY, 10YR 5/3, some plant roots, trace fine sand.					1.5-2.0		M	
S4	20	WOH-01 01-02		CLAYEY SAND, 7.5YR 5/4, fine, some gray layers.							W	

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: *John Mason* Firm: **SCS BT Squared John Mason**

SCS BT Squared

10-92

Boring Number B11

Page 2

Sample		Blow Counts	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	Max. PID/FID	Soil Properties			RQD/ Comments
Number	Length Recovered								Standard Penetration	Moisture Content	P200	
S5	23	WOH-02 02-02	18.5	CLAY, 2.5Y 4/2, massive.				1.0	w			
S6	22	01-02 02-02	21.5	SANDY CLAY, 2.5Y 5/2, very soft.				0.0-0.7	w			
S7	20	01-02 03-05	25.5	CLAY, 2.5Y 6/3, thin coal layers at 25.8'.				0.5-1.0	w			
S8	1	50/2"	28.1	CLAY and WEATHERED SHALE LAYERS, 5B 6/1. End of boring @ 28.1'.					w			

ATTACHMENT C

GEOTECHNICAL DATA REPORT²

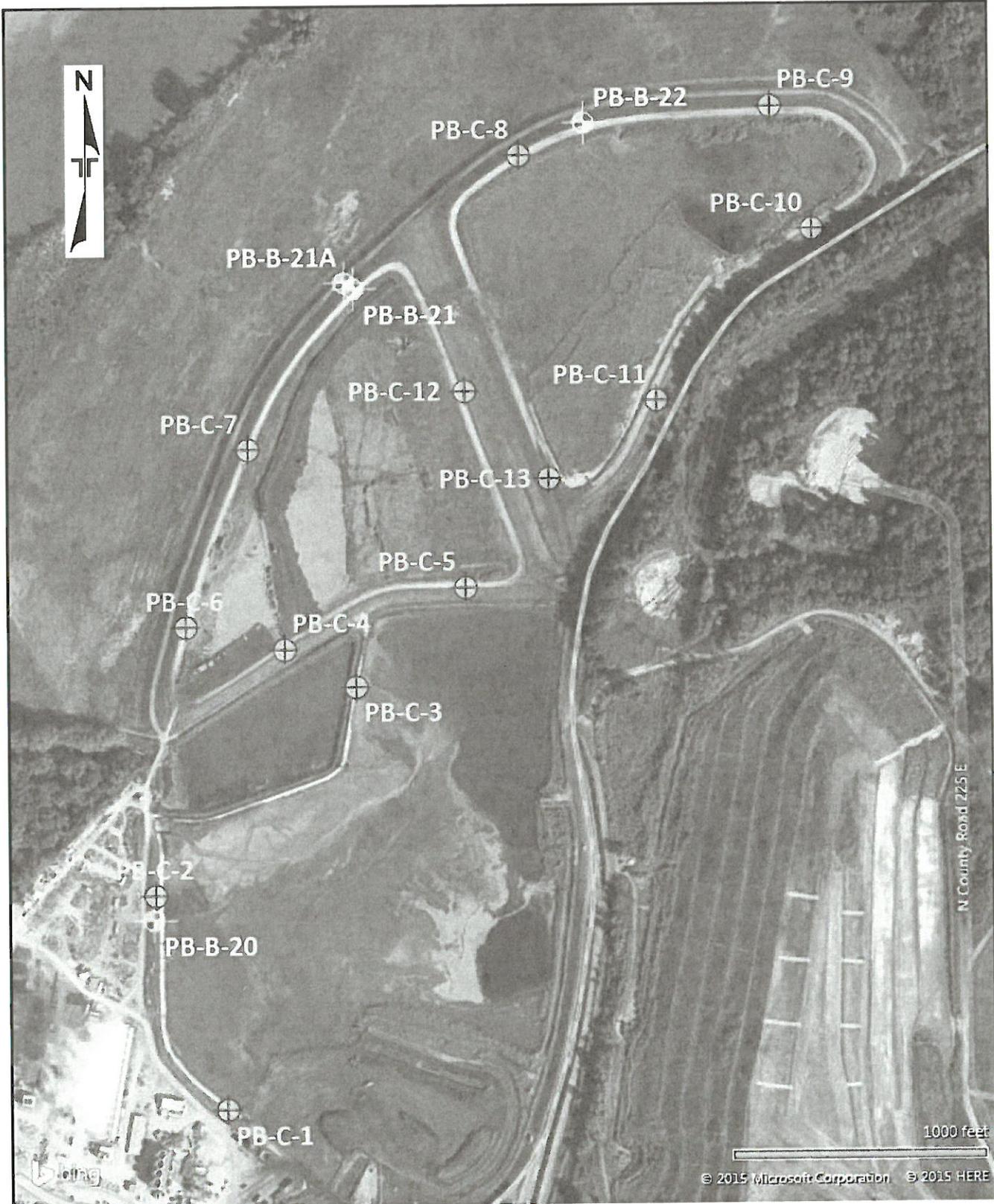


DIAGRAM IS FOR GENERAL LOCATION ONLY, AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES

AERIAL PHOTOGRAPHY PROVIDED BY MICROSOFT BING MAPS

Project Manager:	AJM
Drawn by:	NCD
Checked by:	AJM
Approved by:	AJM
Project No.:	N1155175
Scale:	AS SHOWN
File Name:	N1155175
Date:	9-24-2015

Terracon

611 Lunken Park Dr.
Cincinnati, OH 45226

EXPLORATION PLAN

Petersburg Generating Station
6925 N. State Road 57
Petersburg, IN

Exhibit

A-2

Geotechnical Data Report

Petersburg Generating Station ■ Petersburg, Pike County, Indiana

October 16, 2015 ■ Terracon Project No. N1155175



Field Exploration Description

Locations for the four (4) SPT test borings (PB-B-20, PB-B-21, PB-B-21A, and PB-B-22) and thirteen (13) CPT soundings (PB-C-1 to PB-C-13) were laid out on the site by Terracon personnel based on the exploration program provided by S&L and in consultation with on-site S&L personnel. Ground surface elevations and coordinates of the as-drilled boring/sounding locations were determined using a Leica Viva NetRover survey grade GPS with the following references: WGS84 latitude and longitude with WGS84 ellipsoid height. Based on satellite availability and data collection interval, the horizontal survey data accuracy was reported as ± 0.1 foot. The horizontal and vertical references are NAD83 and NAVD88 respectively.

SPT Field Exploration

The SPT borings were drilled with a track rotary drill rig using continuous flight hollow-stem augers to advance the boreholes. In sand material below the water table, water was used to surcharge the hollow stem augers during drilling to limit sand heave. Samples of the soil encountered in the borings were obtained using an unlined split-barrel sampler and thin-walled tubes (ASTM D1586 and ASTM D1587, respectively). Bedrock was encountered within exploration depth at all test borings except for test boring PB-B-21A. A few samples of the bedrock were obtained by overdriving the split-barrel sampler. No rock coring was performed. In the split barrel sampling procedure, the number of blows required to advance a standard 2-inch O.D. split barrel sampler the last 12 inches of the typical total 18-inch penetration by means of a rope and cathead manual 140-lb safety hammer with a free fall of 30 inches, is the standard penetration resistance value (SPT-N). This value is used to estimate the in-situ relative density of cohesionless soils and consistency of cohesive soils.

At SPT test borings, an automatic 140-lb SPT hammer was used to advance the split-barrel sampler in the borings performed on this site. A greater efficiency is typically achieved with the automatic hammer compared to the conventional safety hammer operated with a cathead and rope. Published correlations between the SPT values and soil properties are based on the lower efficiency cathead and rope method. This higher efficiency affects the standard penetration resistance blow count (N) value by increasing the penetration per hammer blow over what would be obtained using the cathead and rope method. The efficiency ratio of the automatic hammer system used for this project was 87.2 percent and was last calibrated on September 14, 2014. SPT N-values reported on the boring logs are field values.

The samples were tagged for identification, sealed to reduce moisture loss, and taken to our laboratory for further examination, testing, and classification. Information provided on the boring logs attached to this report includes soil and bedrock descriptions, consistency evaluations, boring depths, sampling intervals, and groundwater conditions. The borings were backfilled with a cement/bentonite grout mixture by the drill crew before leaving the site.

Geotechnical Data Report

Petersburg Generating Station ■ Petersburg, Pike County, Indiana
October 16, 2015 ■ Terracon Project No. N1155175



A field log of each boring was prepared by the drill crew. These logs included visual classifications of the materials encountered during drilling as well as the driller's interpretation of the subsurface conditions between samples. Final boring logs included with this report represent the engineer's review of obtained soil samples, driller's field logs and include modifications based on laboratory tests of the samples.

CPT Field Exploration

Cone Penetration Test (CPT) soundings were performed in general accordance with industry-standard procedures (ASTM Method D5778) with continuous data collection. CPT soundings were performed with a Geotech AB Nova cone penetrometer consisting of a cone-shaped sounding tip attached to 1.25-inch-diameter steel rods with flush-joint couplings. The cone tip contains load cells to measure cone tip penetration resistance, sleeve friction resistance and pore-pressure transducers to measure pore water pressure. The tilt angle of the penetrometer is also measured by an inclinometer located within the sounding tip. The CPT soundings were logged electronically in the field. Requested information on the cone is shown in the following table and on the attached calibration sheet.

Cone Parameter	Specifications
Serial No.	4342 and 4399
Tip Area	10-cm ²
Cone Diameter	35.6 mm
Sleeve Area	150-cm ²
Sleeve Diameter	35.9 mm

The data collected from the CPT was processed and is presented graphically in the attached logs, including the tip resistance, sleeve resistance, a ratio of sleeve to tip resistance, pore pressure and interpreted material descriptions (based upon published correlations) with depth. Material descriptions (Soil Behavior Types) provided on the boring logs are not necessarily consistent with soil classifications and descriptions determined in accordance with ASTM Methods D2487 and D2488 since the CPT description is based on correlations. The Excel files of the CPT data have been transmitted with this report to the client.

When feasible, layers of dense gravel, dense rubble, and cemented fly ash were removed when encountered to allow CPT soundings to advance. The CPT cone was extracted and the remaining open hole was backfilled with cement/bentonite grout, including the road base material (where applicable). The results of our field program and the final CPT sounding logs included with this report were evaluated by a professional geotechnical engineer licensed in the State of Indiana.

BORING LOG NO. PB-B-20

PROJECT: Petersburg Generating Station

CLIENT: Sargent & Lundy, L.L.C.
Chicago, IL

SITE: 6925 N. State Road 57
Petersburg, Pike County, Indiana

GRAPHIC LOG	LOCATION See Exhibit A-2 Latitude: 38.53169° Longitude: -87.2481° Surface Elev.: 438.8 (Ft.)	DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	RECOVERY (%)	FIELD TEST RESULTS	Loss on Ignition, %	P-200 (%)	LABORATORY TORVANE/HP (tsf)	UNCONFINED COMPRESSIVE STRENGTH (tsf)	WATER CONTENT (%)	DRY UNIT WEIGHT (pcf)	ATTERBERG LIMITS
	DEPTH ELEVATION (Ft.)												LL-PL-PI
2.5	FILL - SAND , poorly graded, mostly fine, trace root hairs, reddish-brown, (EMBANKMENT FILL) 436.5			X	100	2-2-2 N=4							
5.0	FILL - SILTY CLAY , with fine sand layers, reddish-brown and brown, (EMBANKMENT FILL) 434	5		X	100	5-7-8 N=15					10		17-13-4
7.5	FILL - SILTY SAND , mostly fine to medium sand, little gravel, little clay, trace organics, gray 431.5			X	100	4-9-12 N=21	2.1						
9.0	SILT (ML) , brown, medium dense, -trace gravel noted @ 6'-6.5' 430			X	100	21-14-15 N=29					7		NP
15.0	SILTY SAND (SM) , mostly fine to medium sand, trace gravel, trace organics, brown, medium dense -trace woody stem fibers @ 10.5'-11' 424	10		X	83	9-11-9 N=20	1.1						
20.0	LEAN CLAY (CL) , few sand, trace woody stem fibers, trace organics, very dark grayish brown, stiff to very stiff 424	15		X	100	4-7-9 N=16			2.5 (HP)				
20.0		15		89					1.93	24	100	42-21-21	
25.0		20		X	100	4-4-5 N=9			2.0 (HP)				
25.0		20		83					1.97	24	102	35-19-16	
30.0		25		X	100	4-4-7 N=11			2.0 (HP)				
30.0		25		X	100	0-1-2 N=3			0.25 (HP)		28		36-22-14
32.5	SANDY SILTY CLAY (CL-ML) , some fine sand, very dark grayish brown, very soft 406.5	30		X	100								
35.0		32.5	35	▽	100					0.24	24	102	22-17-5

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic (87.2% ER, Calibration Date: 9/14/2014)

Advancement Method:
3.25" Hollow Stem Auger
2" SPT; 3" TUBE

See Exhibit A-3 for description of field procedures.
See Appendix B for description of laboratory procedures and additional data (if any).

Notes:

Abandonment Method:
Boring backfilled with cement-bentonite grout to 80.4 feet upon completion.

See Appendix C for explanation of symbols and abbreviations.
Elevation Reference: NAVD88

WATER LEVEL OBSERVATIONS

- ▽ Water was observed at 34' while drilling.
- ▽ Water was observed @ 55' after drilling.



Boring Started: 8/12/2015

Boring Completed: 8/12/2015

Drill Rig: D90 Track (Unit 022)

Driller: Moore

Project No.: N1155175

Exhibit: A-4

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL N1155175 BORING LOGS.GPJ TERRACON2015.GDT 10/21/15

BORING LOG NO. PB-B-20

PROJECT: Petersburg Generating Station

CLIENT: Sargent & Lundy, L.L.C.
Chicago, IL

SITE: 6925 N. State Road 57
Petersburg, Pike County, Indiana

GRAPHIC LOG	LOCATION See Exhibit A-2 Latitude: 38.53169° Longitude: -87.2481° Surface Elev.: 438.8 (Ft.) DEPTH ELEVATION (Ft.)	DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	RECOVERY (%)	FIELD TEST RESULTS	Loss on Ignition, %	P-200 (%)	LABORATORY TORVANE/HP (tsf)	UNCONFINED COMPRESSIVE STRENGTH (tsf)	WATER CONTENT (%)	DRY UNIT WEIGHT (pcf)	ATTEBERG LIMITS
													LL-PL-PI
40.0	SILTY SAND (SM) , mostly fine sand, few clay, reddish-brown with gray, very loose, saturated	399		X	100	1-2-1 N=3					24		
50.0	POORLY GRADED SAND (SP) , mostly fine sand, trace silt, brown, medium dense, saturated -begin using water during drilling @ 45'	389		X	61	4-4-7 N=11					22		
60.0	POORLY GRADED SAND (SP) , mostly fine to medium sand, trace silt, gray and brownish gray, medium dense, saturated	379		X	56	3-4-9 N=13					20		
65		55	▽	X	28	4-7-9 N=16							
65	POORLY GRADED SAND WITH GRAVEL (SP) , fine to coarse sand, trace silt, gray, medium dense to dense, saturated	60		X	56	8-17-20 N=37							
70		65		X	56	9-9-11 N=20		6.2			14		

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic (87.2% ER, Calibration Date: 9/14/2014)

Advancement Method:
3.25" Hollow Stem Auger
2" SPT; 3" TUBE

See Exhibit A-3 for description of field procedures.
See Appendix B for description of laboratory procedures and additional data (if any).

Notes:

Abandonment Method:
Boring backfilled with cement-bentonite grout to 80.4 feet upon completion.

See Appendix C for explanation of symbols and abbreviations.
Elevation Reference: NAVD88

WATER LEVEL OBSERVATIONS

- ▽ Water was observed at 34' while drilling.
- ▽ Water was observed @ 55' after drilling.



Boring Started: 8/12/2015

Boring Completed: 8/12/2015

Drill Rig: D90 Track (Unit 022)

Driller: Moore

Project No.: N1155175

Exhibit: A-4

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL N1155175_BORING LOGS.GPJ TERRACON2015.GDT 10/21/15

BORING LOG NO. PB-B-20

PROJECT: Petersburg Generating Station

CLIENT: Sargent & Lundy, L.L.C.
Chicago, IL

SITE: 6925 N. State Road 57
Petersburg, Pike County, Indiana

GRAPHIC LOG	LOCATION See Exhibit A-2 Latitude: 38.53169° Longitude: -87.2481° Surface Elev.: 438.8 (Fl.)	DEPTH (FL.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	RECOVERY (%)	FIELD TEST RESULTS	Loss on Ignition, %	P-200 (%)	LABORATORY TORVANE/HP (tsf)	UNCONFINED COMPRESSIVE STRENGTH (tsf)	WATER CONTENT (%)	DRY UNIT WEIGHT (pcf)	ATTERBERG LIMITS
													LL-PL-PI
	DEPTH ELEVATION (FL.)												
		75		X	89	11-13-14 N=27							
		75		X	94	7-10-19 N=29					10		
		80		X	100	50/5"							
	<p>SHALE dark gray with clayey seams, very weak Boring Terminated at 80.4 Feet</p>												

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic (87.2% ER, Calibration Date: 9/14/2014)

Advancement Method:
3.25" Hollow Stem Auger
2" SPT; 3" TUBE

See Exhibit A-3 for description of field procedures.
See Appendix B for description of laboratory procedures and additional data (if any).
See Appendix C for explanation of symbols and abbreviations.
Elevation Reference: NAVD88

Notes:

Abandonment Method:
Boring backfilled with cement-bentonite grout to 80.4 feet upon completion.

WATER LEVEL OBSERVATIONS

- ∇ Water was observed at 34' while drilling.
- ∇ Water was observed @ 55' after drilling.



Boring Started: 8/12/2015	Boring Completed: 8/12/2015
Drill Rig: D90 Track (Unit 022)	Driller: Moore
Project No.: N1155175	Exhibit: A-4

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL N1155175_BORING LOGS.GPJ TERRACON2015.GDT 10/21/15

BORING LOG NO. PB-B-22

PROJECT: Petersburg Generating Station

CLIENT: Sargent & Lundy, L.L.C.
Chicago, IL

SITE: 6925 N. State Road 57
Petersburg, Pike County, Indiana

GRAPHIC LOG	LOCATION See Exhibit A-2 Latitude: 38.54027° Longitude: -87.24212° Surface Elev.: 455.0 (Ft.)	DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	RECOVERY (%)	FIELD TEST RESULTS	Loss on Ignition, %	P-200 (%)	LABORATORY TORVANE/HP (tsf)	UNCONFINED COMPRESSIVE STRENGTH (tsf)	WATER CONTENT (%)	DRY UNIT WEIGHT (pcf)	ATTERBERG LIMITS	
													LL-PL-PI	
DEPTH	ELEVATION (Ft.)													
	<p>FILL - SILT WITH SAND, few to little sand, little clay, gray and dark gray with light gray mottles, (POZ-O-TEC)</p>	5			89	14-22-28 N=50								
					100	3-4-6 N=10		93			42			
					100	4-4-9 N=13	4.1							
						17	TUBE							
						100	1-4-11 N=15							
						100	6-12-15 N=27					39		
						22	1-0-0 N=0							
						100	0-0-0 N=0					37		
					0	TUBE								

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic (87.2% ER, Calibration Date: 9/14/2014)

Advancement Method:
3.25" Hollow Stem Auger
2" SPT; 3" TUBE

See Exhibit A-3 for description of field procedures.
See Appendix B for description of laboratory procedures and additional data (if any).

Notes:

Abandonment Method:
Boring backfilled with cement-bentonite grout to 41.5 feet upon completion.

See Appendix C for explanation of symbols and abbreviations.
Elevation Reference: NAVD88

WATER LEVEL OBSERVATIONS

- Water was observed at 18' while drilling.
- Water was observed @ 36' after drilling.
- Water was observed 18 hours after drilling at 13.5'
- boring caved before backfill @ 41.5'

Terracon
611 Lunken Park Drive
Cincinnati, Ohio

Boring Started: 8/10/2015

Boring Completed: 8/11/2015

Drill Rig: D90 Track (Unit 022)

Driller: Moore

Project No.: N1155175

Exhibit: A-7

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL N1155175 BORING LOGS.GPJ TERRACON2015.GDT 10/21/15

BORING LOG NO. PB-B-22

PROJECT: Petersburg Generating Station

CLIENT: Sargent & Lundy, L.L.C.
Chicago, IL

SITE: 6925 N. State Road 57
Petersburg, Pike County, Indiana

GRAPHIC LOG	LOCATION See Exhibit A-2 Latitude: 38.54027° Longitude: -87.24212° Surface Elev.: 455.0 (Ft.)	DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	RECOVERY (%)	FIELD TEST RESULTS	Loss on Ignition, %	P-200 (%)	LABORATORY TORVANE/HP (tsf)	UNCONFINED COMPRESSIVE STRENGTH (tsf)	WATER CONTENT (%)	DRY UNIT WEIGHT (pcf)	ATTEBERG LIMITS
													LL-PL-PI
	DEPTH ELEVATION (Ft.)												
	LEAN CLAY (CL) , very dark brownish gray, stiff to very stiff	40	▽	X	100	1-4-5 N=9			2.5 (HP)		23	108	34-19-15
	-grades brown @ 40'-41.5'	40	▽	X	100	2-4-5 N=9			1.5 (HP)		24	95	34-20-14
	SILTY SAND (SM) , trace clay, brown, medium dense	45		■	0	TUBE							
	POORLY GRADED SAND (SP) , mostly fine to medium sand, reddish-brown to grayish-brown, medium dense	50		X	100	4-5-7 N=12					23		
	-clayey lenses noted @ 55'-56.5'	55		X	67	5-6-5 N=11		8.6					
	POORLY GRADED SAND WITH SILT (SP-SM) , mostly medium sand, trace coarse sand, trace fine gravel, gray, medium dense	60		X	6	8-9-9 N=18							
		65		X	33	3-5-7 N=12							
		70											

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic (87.2% ER, Calibration Date: 9/14/2014)

Advancement Method:
3.25" Hollow Stem Auger
2" SPT; 3" TUBE

See Exhibit A-3 for description of field procedures.
See Appendix B for description of laboratory procedures and additional data (if any).
See Appendix C for explanation of symbols and abbreviations.
Elevation Reference: NAVD88

Notes:

Abandonment Method:
Boring backfilled with cement-bentonite grout to 41.5 feet upon completion.

WATER LEVEL OBSERVATIONS

- ▽ Water was observed at 18' while drilling.
- ▽ Water was observed @ 36' after drilling.
- ▽ Water was observed 18 hours after drilling at 13.5'
- boring caved before backfill @ 41.5'



Boring Started: 8/10/2015

Boring Completed: 8/11/2015

Drill Rig: D90 Track (Unit 022)

Driller: Moore

Project No.: N1155175

Exhibit: A-7

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL N1155175 BORING LOGS.GPJ TERRACON2015.GDT 10/21/15

BORING LOG NO. PB-B-22

PROJECT: Petersburg Generating Station

CLIENT: Sargent & Lundy, L.L.C.
Chicago, IL

SITE: 6925 N. State Road 57
Petersburg, Pike County, Indiana

GRAPHIC LOG	LOCATION See Exhibit A-2 Latitude: 38.54027° Longitude: -87.24212° Surface Elev.: 455.0 (Ft.)	DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	RECOVERY (%)	FIELD TEST RESULTS	Loss on Ignition, %	P-200 (%)	LABORATORY TORVANE/HP (tsf)	UNCONFINED COMPRESSIVE STRENGTH (tsf)	WATER CONTENT (%)	DRY UNIT WEIGHT (pcf)	ATTERBERG LIMITS
													LL-PL-PI
	POORLY GRADED SAND WITH SILT (SP-SM) , mostly medium sand, trace coarse sand, trace fine gravel, gray, medium dense (<i>continued</i>)				39	12-9-8 N=17		9.2					
	-grades gray @ 75'	75											
		80											
		85											
		90.0											
	SANDY SILT (ML) , some sand, gray, medium dense				100	9-9-9 N=18							
		95.0											
	POORLY GRADED SAND (SP) , mostly medium sand, trace coarse sand, trace fine gravel, gray, medium dense				100	7-11-17 N=28		6.1					
		100.0											
	SHALE , dark gray, with clayey seams, very weak	100.9			56	28-50/5"							
	Boring Terminated at 100.9 Feet												

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic (87.2% ER, Calibration Date: 9/14/2014)

Advancement Method:
3.25" Hollow Stem Auger
2" SPT; 3" TUBE

See Exhibit A-3 for description of field procedures.
See Appendix B for description of laboratory procedures and additional data (if any).

Notes:

Abandonment Method:
Boring backfilled with cement-bentonite grout to 41.5 feet upon completion.

See Appendix C for explanation of symbols and abbreviations.
Elevation Reference: NAVD88

WATER LEVEL OBSERVATIONS

- Water was observed at 18' while drilling.
- Water was observed @ 36' after drilling.
- Water was observed 18 hours after drilling at 13.5'
- boring caved before backfill @ 41.5'



Boring Started: 8/10/2015

Boring Completed: 8/11/2015

Drill Rig: D90 Track (Unit 022)

Driller: Moore

Project No.: N1155175

Exhibit: A-7

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL_N1155175_BORING LOGS.GPJ_TERRACON2015.GDT 10/21/15

CPT LOG NO. PB-C-1

PROJECT: Petersburg Generating Station

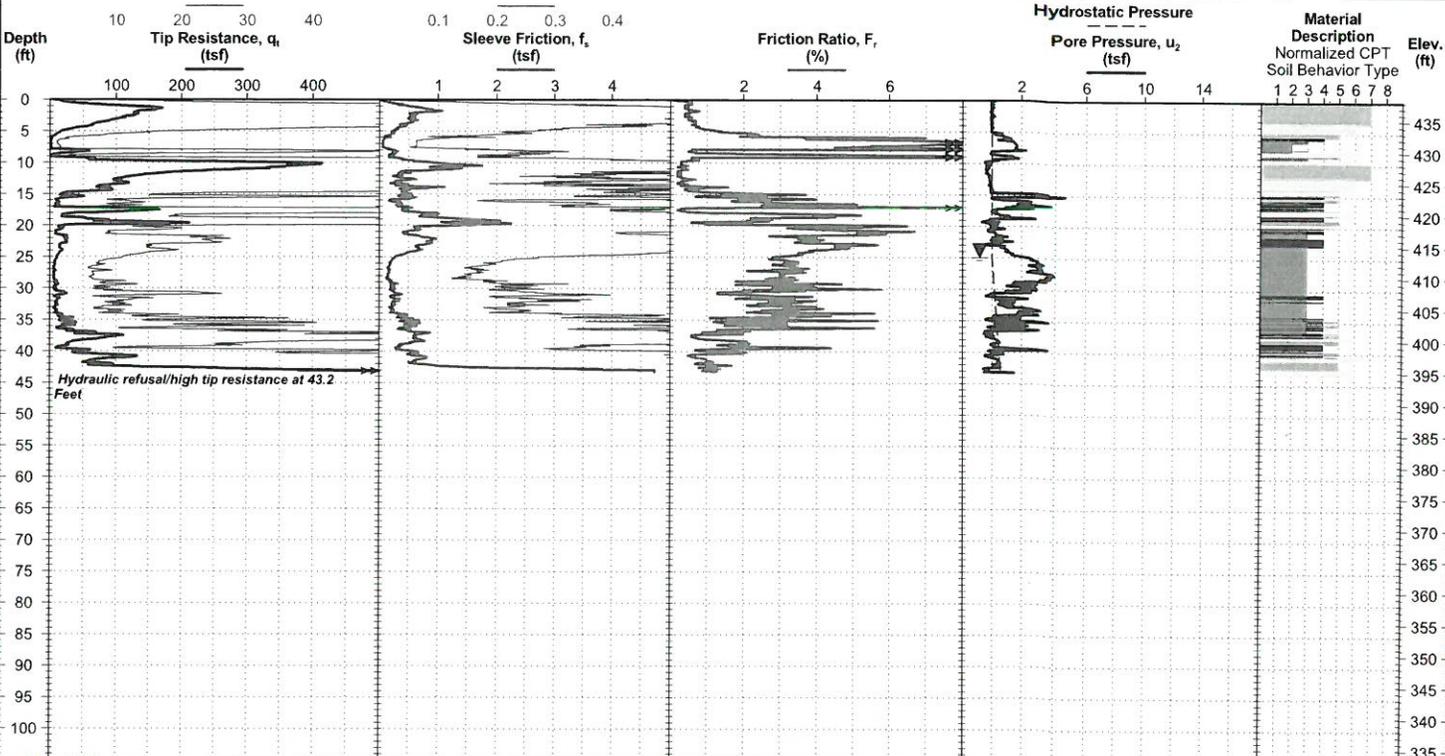
CLIENT: Sargent & Lundy

TEST LOCATION: See Exhibit A-2

SITE: 6925 N. State Road 57
Petersburg, Indiana

Surface Elev.: 438.1 ft
Latitude: 38.52965°
Longitude: -87.24713°

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. CPT REPORT S&L+..._RSBURG - CORRECTED - COPY.GPJ TERRACON2015.GDT 10/16/15



Hole caved, grout to 7.6 ft
See Exhibit A-3 for description of field procedures.
See Appendix C for explanation of symbols and abbreviations.
Elevation Reference: NAVD88

CPT sensor calibration reports available upon request.

- 1 Sensitive, fine grained
- 2 Organic soils - clay
- 3 Clay - silty clay to clay
- 4 Silt mixtures - clayey silt to silty clay
- 5 Sand mixtures - silty sand to sandy silt
- 6 Sands - clean sand to silty sand
- 7 Gravely sand to dense sand
- 8 Very stiff sand to clayey sand
- 9 Very stiff fine grained

WATER LEVEL OBSERVATION
25 ft estimated water depth
(used in normalizations and correlations; see Appendix C)

Probe no. 4399 with net area ratio of 0.82
U2 pore pressure transducer location
Manufactured by Geotech A.B.; calibrated 10/21/2014
Tip and sleeve areas of 10 cm² and 150 cm²
Ring friction reducer with O.D. of 1.875 in



CPT Started: 8/11/2015
Rig: Geoprobe
Project No.: N1155175

CPT Completed: 8/11/2015
Operator: Buchanan/Pattison
Exhibit: A-8

CPT LOG NO. PB-C-2

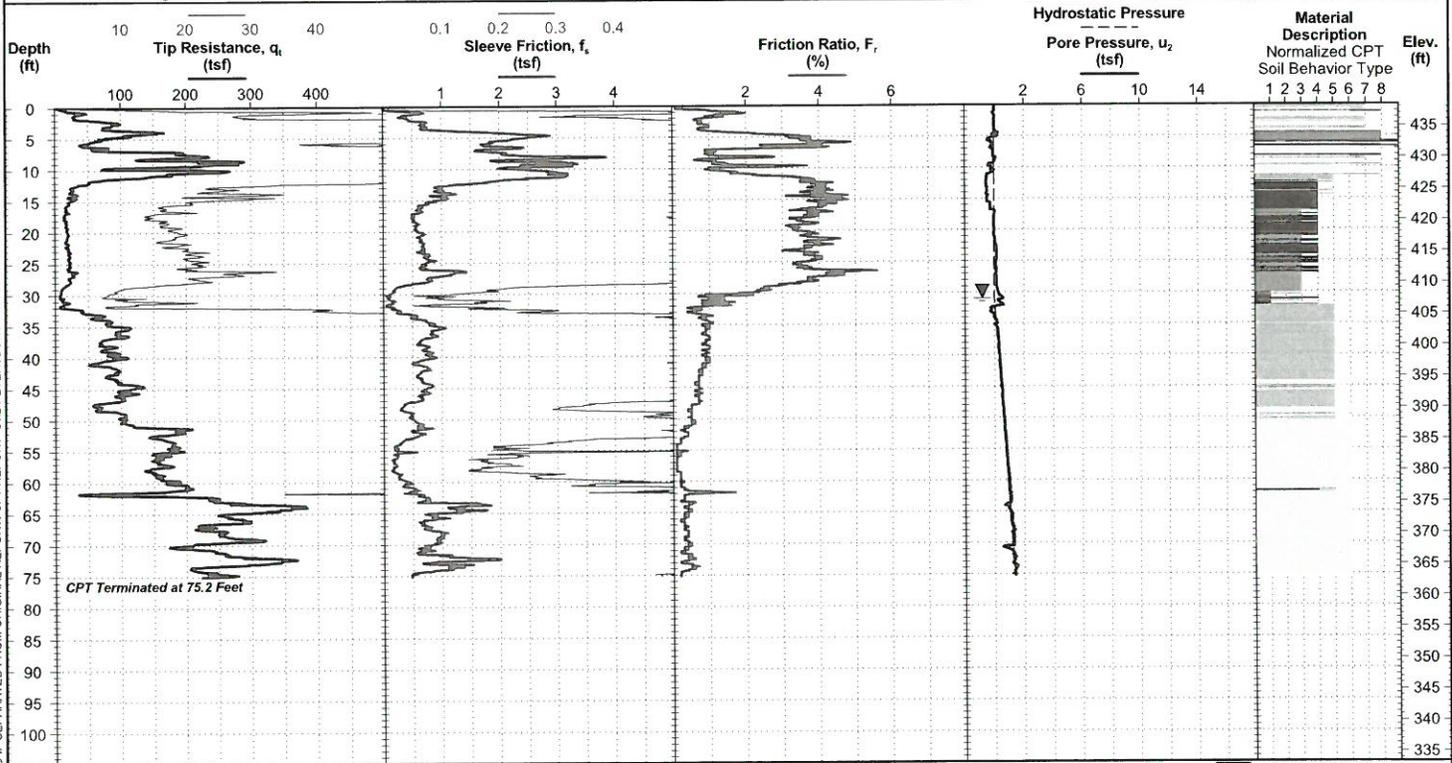
PROJECT: Petersburg Generating Station

CLIENT: Sargent & Lundy

TEST LOCATION: See Exhibit A-2

SITE: 6925 N. State Road 57
Petersburg, Indiana

Surface Elev.: 438.4 ft
Latitude: 38.53196°
Longitude: -87.2481°



Hole caved, grout to 8.5 ft
See Exhibit A-3 for description of field procedures.
See Appendix C for explanation of symbols and abbreviations.
Elevation Reference: NAVD88

CPT sensor calibration reports available upon request.

- 1 Sensitive, fine grained
- 2 Organic soils - clay
- 3 Clay - silty clay to clay
- 4 Silt mixtures - clayey silt to silty clay
- 5 Sand mixtures - silty sand to sandy silt
- 6 Sands - clean sand to silty sand
- 7 Gravely sand to dense sand
- 8 Very stiff sand to clayey sand
- 9 Very stiff fine grained

WATER LEVEL OBSERVATION

31 ft estimated water depth
(used in normalizations and correlations; see Appendix C)

Probe no. 4399 with net area ratio of 0.82
U2 pore pressure transducer location
Manufactured by Geotech A.B., calibrated 10/21/2014
Tip and sleeve areas of 10 cm² and 150 cm²
Ring friction reducer with O.D. of 1.875 in



CPT Started: 8/11/2015

Rig: Geoprobe

Project No.: N1155175

CPT Completed: 8/11/2015

Operator: Buchanan/Pattison

Exhibit: A-9

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. CPT REPORT SAL-PETERSBURG - CORRECTED - COPY/GPJ TERRACON2015.GBDT 10/16/15

CPT LOG NO. PB-C-3

PROJECT: Petersburg Generating Station

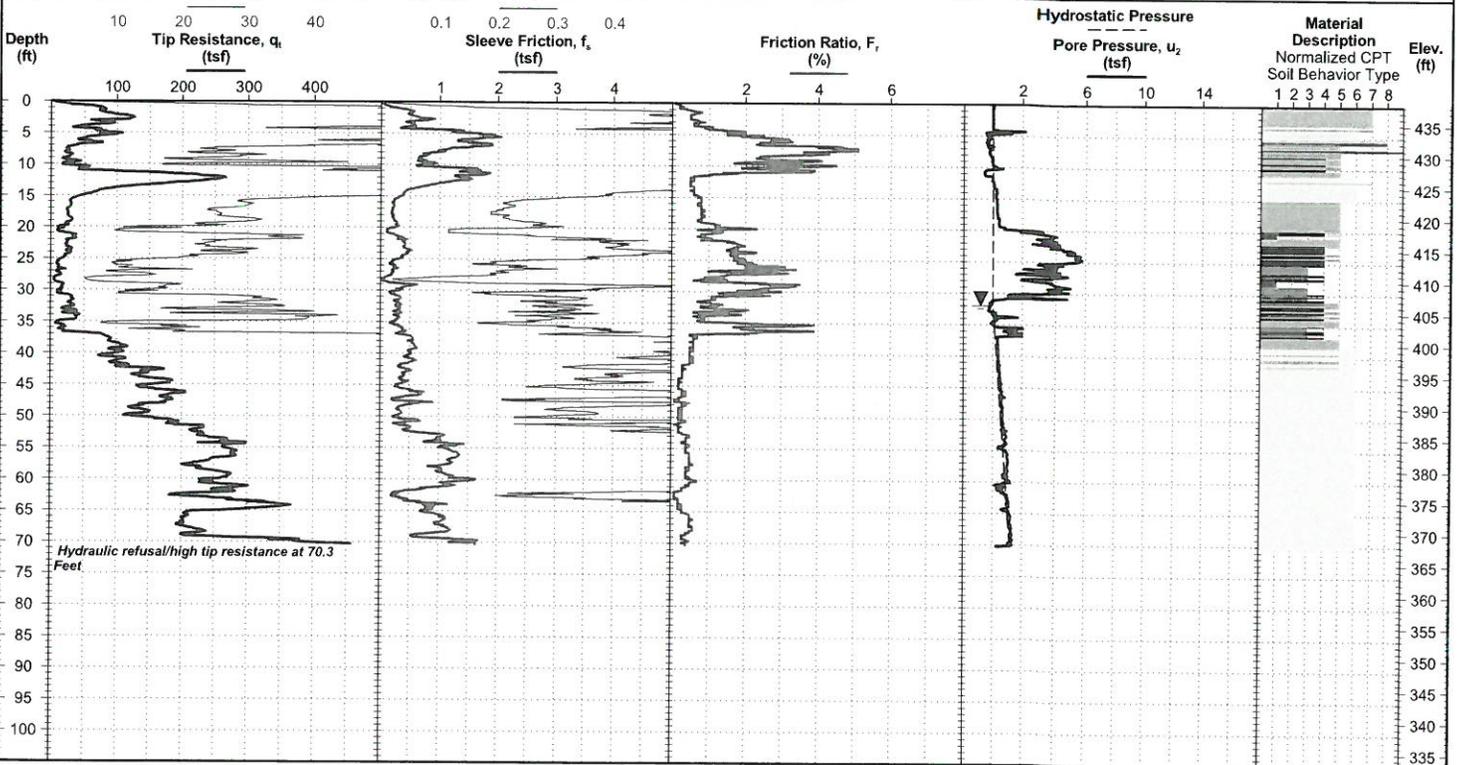
CLIENT: Sargent & Lundy

TEST LOCATION: See Exhibit A-2

SITE: 6925 N. State Road 57
Petersburg, Indiana

Surface Elev.: 438.1 ft
Latitude: 38.5342°
Longitude: -87.24532°

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. CPT REPORT: S&L-PL-...PETERSBURG-CORRECTED_COPY.GPJ TERRACON2015.GDT 10/16/15



Hole caved, grout to 6.5 ft
See Exhibit A-3 for description of field procedures.
See Appendix C for explanation of symbols and abbreviations.
Elevation Reference: NAVD88

CPT sensor calibration reports available upon request.

- 1 Sensitive, fine grained
- 2 Organic soils - clay
- 3 Clay - silty clay to clay
- 4 Silt mixtures - clayey silt to silty clay
- 5 Sand mixtures - silty sand to sandy silt
- 6 Sands - clean sand to silty sand
- 7 Gravely sand to dense sand
- 8 Very stiff sand to clayey sand
- 9 Very stiff fine grained

WATER LEVEL OBSERVATION

32 ft estimated water depth
(used in normalizations and correlations; see Appendix C)

Probe no. 4399 with net area ratio of 0.82
U2 pore pressure transducer location
Manufactured by Geotech A.B., calibrated 10/21/2014
Tip and sleeve areas of 10 cm² and 150 cm²
Ring friction reducer with O.D. of 1.875 in



CPT Started: 8/12/2015

CPT Completed: 8/12/2015

Rig: Geoprobe

Operator: Buchanan/Pattison

Project No.: N1155175

Exhibit: A-10

CPT LOG NO. PB-C-8

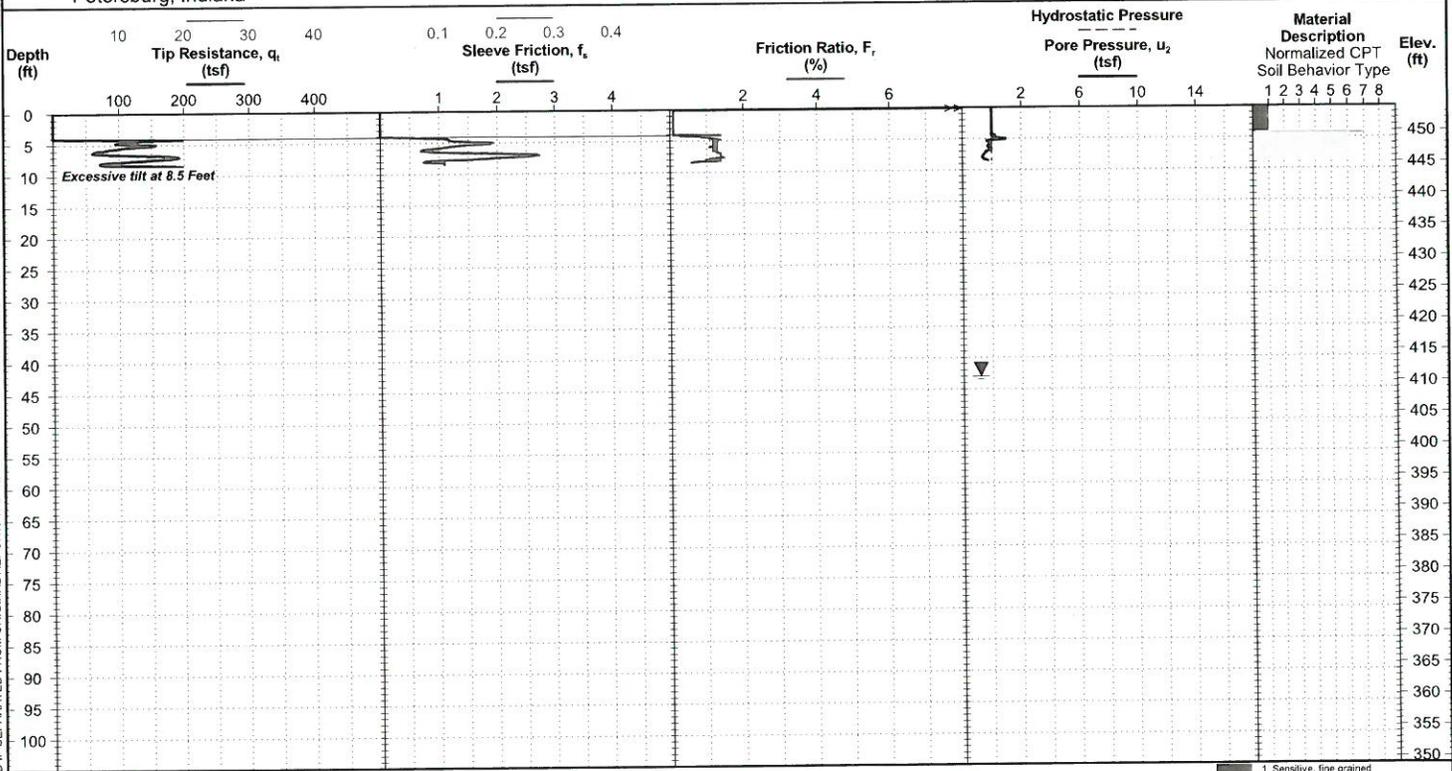
PROJECT: Petersburg Generating Station

CLIENT: Sargent & Lundy

TEST LOCATION: See Exhibit A-2

SITE: 6925 N. State Road 57
Petersburg, Indiana

Surface Elev.: 453.9 ft
Latitude: 38.53993°
Longitude: -87.24304°



Pre-probe below Road Base Material
See Exhibit A-3 for description of field procedures.
See Appendix C for explanation of symbols and abbreviations.
Elevation Reference: NAVD88

CPT sensor calibration reports available upon request.

- 1 Sensitive, fine grained
- 2 Organic soils - clay
- 3 Clay - silty clay to clay
- 4 Silt mixtures - clayey silt to silty clay
- 5 Sand mixtures - silty sand to sandy silt
- 6 Sands - clean sand to silty sand
- 7 Gravely sand to dense sand
- 8 Very stiff sand to clayey sand
- 9 Very stiff fine grained

WATER LEVEL OBSERVATION

Probe no. 4399 with net area ratio of 0.82
U2 pore pressure transducer location
Manufactured by Geotech A.B.; calibrated 10/21/2014
Tip and sleeve areas of 10 cm² and 150 cm²
Ring friction reducer with O.D. of 1.875 in



CPT Started: 8/18/2015
Rig: Geoprobe
Project No.: N1155175

CPT Completed: 8/18/2015
Operator: Buchanan/Pattison
Exhibit: A-17

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. CPT REPORT: S&L-PETERSBURG - CORRECTED - COPY.GPJ TERRACON2015.GDT 10/16/15

CPT LOG NO. PB-C-8B

PROJECT: Petersburg Generating Station

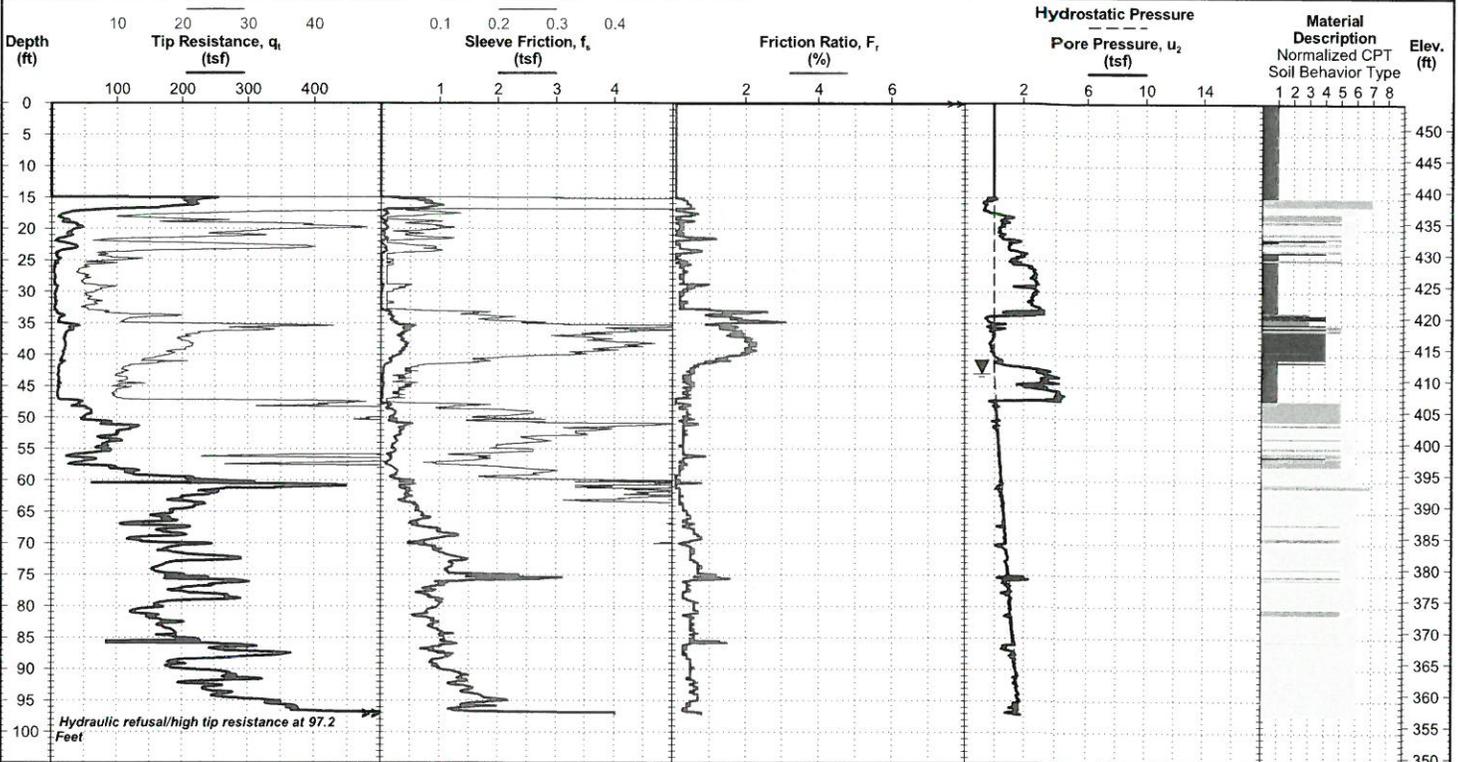
CLIENT: Sargent & Lundy

TEST LOCATION: See Exhibit A-2

SITE: 6925 N. State Road 57
Petersburg, Indiana

Surface Elev.: 453.9 ft
Latitude: 38.53993°
Longitude: -87.24304°

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. CPT REPORT: S&L-1-1-PB-C-8B-1-TERRACON2015.GDT 10/16/15



Pre-probe below Road Base Material
Hole caved, grout to 9 ft
 See Exhibit A-3 for description of field procedures.
 See Appendix C for explanation of symbols and abbreviations.

CPT sensor calibration reports available upon request.
 Elevation Reference: NAVD88

- 1 Sensitive, fine grained
- 2 Organic silts - clay
- 3 Clay - silty clay to clay
- 4 Silt mixtures - clayey silt to silty clay
- 5 Sand mixtures - silty sand to sandy silt
- 6 Sands - clean sand to silty sand
- 7 Gravelly sand to dense sand
- 8 Very stiff sand to clayey sand
- 9 Very stiff fine grained

WATER LEVEL OBSERVATION
 ▽ 43 ft estimated water depth
 (used in normalizations and correlations; see Appendix C)

Probe no. 4399 with net area ratio of 0.82
 U2 pore pressure transducer location
 Manufactured by Geotech A.B.; calibrated 10/21/2014
 Tip and sleeve areas of 10 cm² and 150 cm²
 Ring friction reducer with O.D. of 1.875 in



CPT Started: 8/18/2015
 Rig: Geoprobe
 Project No.: N1155175

CPT Completed: 8/18/2015
 Operator: Buchanan/Pattison
 Exhibit: A-18

CPT LOG NO. PB-C-9

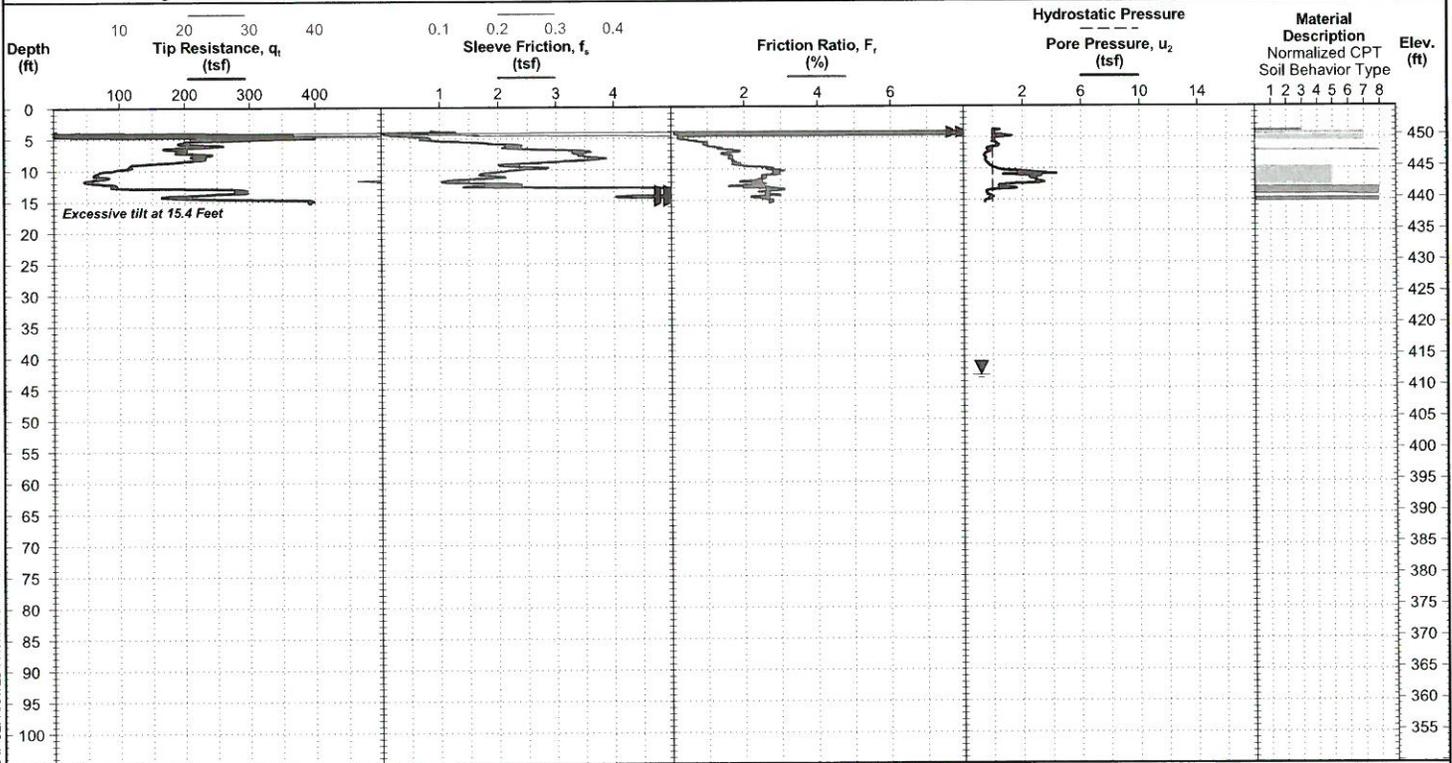
PROJECT: Petersburg Generating Station

CLIENT: Sargent & Lundy

TEST LOCATION: See Exhibit A-2

SITE: 6925 N. State Road 57
Petersburg, Indiana

Surface Elev.: 454.6 ft
Latitude: 38.54044°
Longitude: -87.2396°



Pre-probe below Road Base Material
See Exhibit A-3 for description of field procedures.
See Appendix C for explanation of symbols and abbreviations.
Elevation Reference: NAVD88

CPT sensor calibration reports available upon request.

- 1 Sensitive, fine grained
- 2 Organic soils - clay
- 3 Clay - silty clay to clay
- 4 Silt mixtures - clayey silt to silty clay
- 5 Sand mixtures - silty sand to sandy silt
- 6 Sands - clean sand to silty sand
- 7 Gravely sand to dense sand
- 8 Very stiff sand to clayey sand
- 9 Very stiff fine grained

WATER LEVEL OBSERVATION

▽ 43 ft estimated water depth
(used in normalizations and correlations; see Appendix C)

Probe no. 4399 with net area ratio of 0.82
U2 pore pressure transducer location
Manufactured by Geotech A.B.; calibrated 10/21/2014
Tip and sleeve areas of 10 cm² and 150 cm²
Ring friction reducer with O.D. of 1.875 in



CPT Started: 8/14/2015

Rig: Geoprobe

Project No.: N1155175

CPT Completed: 8/14/2015

Operator: Buchanan/Pattison

Exhibit: A-19

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. CPT REPORT: SAL-PETERSBURG - CORRECTED - COPY/GPJ. TERRACON2015.GDT 10/15/15

CPT LOG NO. PB-C-9B

PROJECT: Petersburg Generating Station

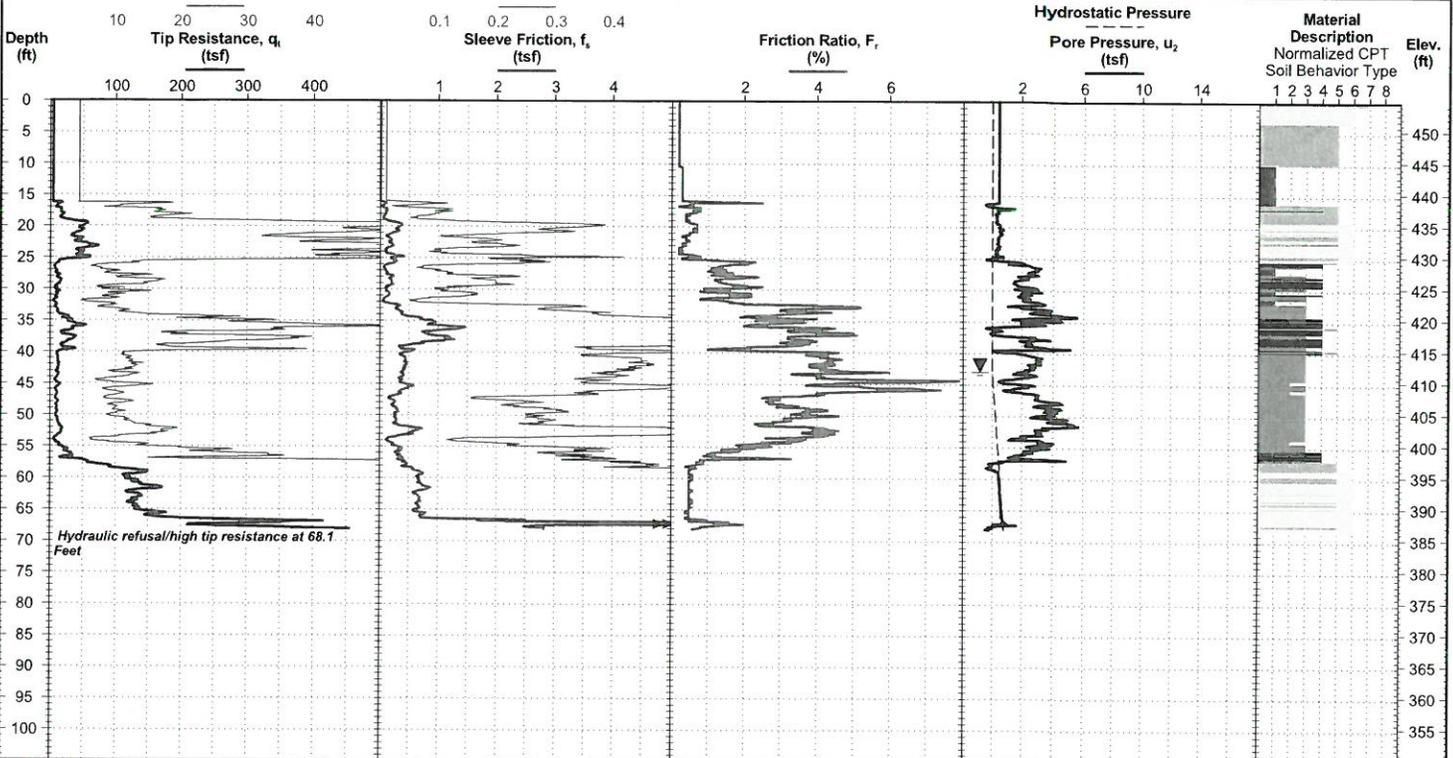
CLIENT: Sargent & Lundy

TEST LOCATION: See Exhibit A-2

SITE: 6925 N. State Road 57
Petersburg, Indiana

Surface Elev.: 454.6 ft
Latitude: 38.54044°
Longitude: -87.2396°

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. CPT REPORT: S&L-14-11-RSBJRG - CORRECTED - COPY.GPJ TERRACON2015.GDT 10/16/15



Pre-probe through previously tested zone

Hole caved, grout to 19 ft

See Exhibit A-3 for description of field procedures.

See Appendix C for explanation of symbols and abbreviations.

CPT sensor calibration reports available upon request.

Elevation Reference: NAVD88

WATER LEVEL OBSERVATION

43 ft estimated water depth
(used in normalizations and correlations; see Appendix C)

Probe no. 4399 with net area ratio of 0.82
U2 pore pressure transducer location
Manufactured by Geotech A.B.; calibrated 10/21/2014
Tip and sleeve areas of 10 cm² and 150 cm²
Ring friction reducer with O.D. of 1.875 in



CPT Started: 8/17/2015

Rig: Geoprobe

Project No.: N1155175

CPT Completed: 8/17/2015

Operator: Buchanan/Pattison

Exhibit: A-20

CPT LOG NO. PB-C-10

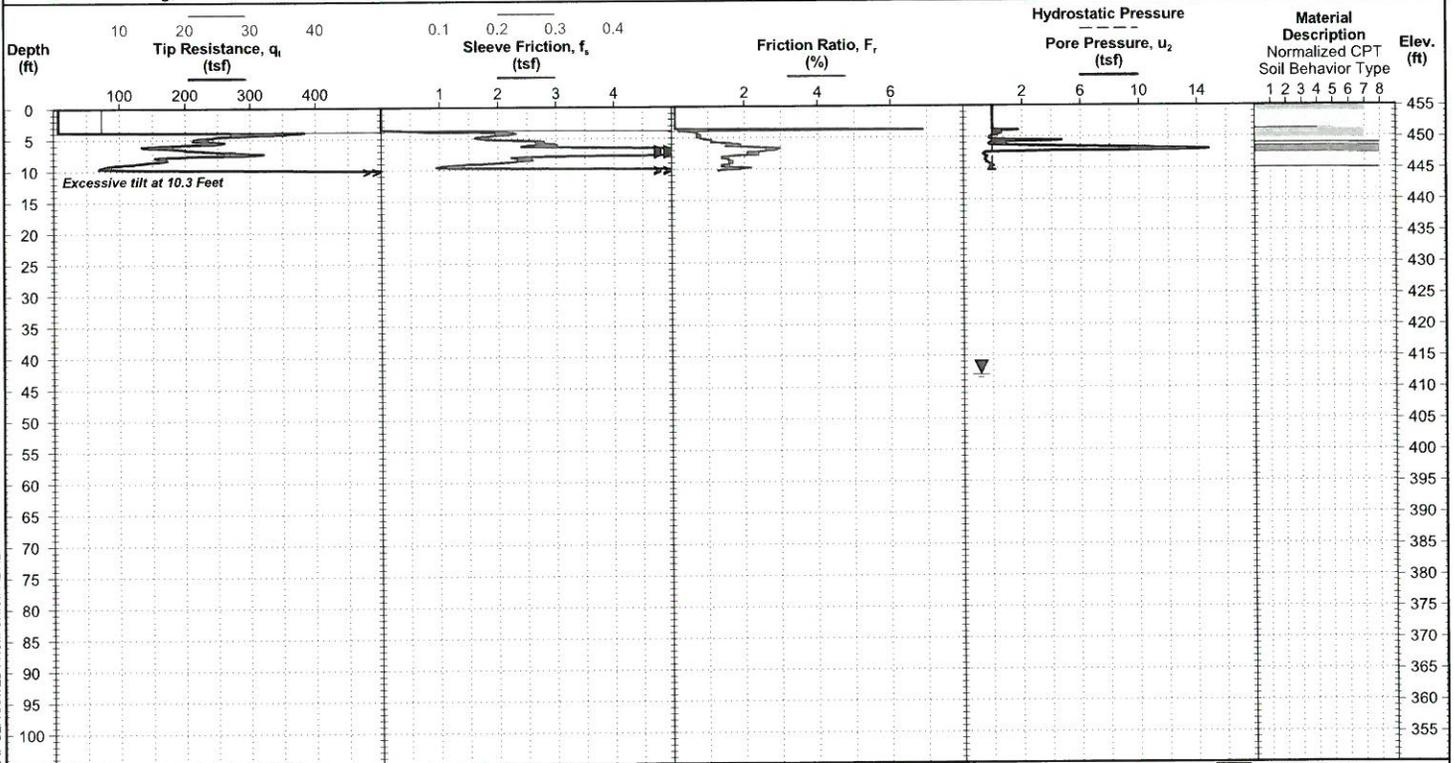
PROJECT: Petersburg Generating Station

CLIENT: Sargent & Lundy

TEST LOCATION: See Exhibit A-2

SITE: 6925 N. State Road 57
Petersburg, Indiana

Surface Elev.: 455.1 ft
Latitude: 38.53911°
Longitude: -87.23903°



Pre-probe below Road Base Material
See Exhibit A-3 for description of field procedures.
See Appendix C for explanation of symbols and abbreviations.
Elevation Reference: NAVD88

CPT sensor calibration reports available upon request.

- 1 Sensitive, fine grained
- 2 Organic soils - clay
- 3 Clay - silty clay to clay
- 4 Silt mixtures - clayey silt to silty clay
- 5 Sand mixtures - silty sand to sandy silt
- 6 Sands - clean sand to silty sand
- 7 Gravelly sand to dense sand
- 8 Very stiff sand to clayey sand
- 9 Very stiff fine grained

WATER LEVEL OBSERVATION

▼ 43 ft estimated water depth
(used in normalizations and correlations; see Appendix C)

Probe no. 4399 with net area ratio of 0.82
U2 pore pressure transducer location
Manufactured by Geotech A.B.; calibrated 10/21/2014
Tip and sleeve areas of 10 cm² and 150 cm²
Ring friction reducer with O.D. of 1.875 in



CPT Started: 8/17/2015

Rig: Geoprobe

Project No.: N1155175

CPT Completed: 8/17/2015

Operator: Buchanan/Pattison

Exhibit: A-21

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. CPT REPORT S&L-PETERSBURG - CORRECTED - COPY.GPJ TERRACON2015.GDT 10/16/15