VEGETATION - Use scientific names of plants

Sampling Point: DP08 W04

•				50/20 Thresholds
Tree Stratum Plot Size (30 ft.) 1 Acer rubrum 2 Ulmus americana 3 4	Absolute % Cover 50 20	Dominant Species Y Y	Indicator Status FAC FACW	20%50%Tree Stratum1435Sapling/Shrub Stratum1025Herb Stratum1743Woody Vine Stratum00
5 6 7 8 9 10 Sapling/Shrub Plot Size (15 ft.) 1 Acer rubrum	Absolute % Cover	= Total Cover Dominant Species	Indicator Status	Dominance Test Worksheet Number of Dominant Species that are OBL, FACW, or FAC: 6 Total Number of Dominant Species Across 7 Percent of Dominant Species that are OBL, FACW, or FAC: 85.71% Parcelapse Index Worksheet
2 Sassafras albidum 3 4 5 6 7 8 9 10			FACU	Total % Cover of: OBL species 0 x 1 = 0 FACW species 105 x 2 = 210 FAC species 90 x 3 = 270 FAC species 0 x 5 = 0 Column totals 205 (A) 520 (B) Prevalence Index = $B/A = 2.54$
Herb Stratum Plot Size (5 ft.) 1 Leersia oryzoides 2 Woodwardia areolata 3 Scirpus cyperinus 4 5 5 6 7 8 9 9	Absolute % Cover 30 30 25	Dominant Species Y Y Y	Indicator Status FACW FACW FACW	Hydrophytic Vegetation Indicators: Rapid test for hydrophytic vegetation X Dominance test is >50% X Prevalence index is ≤3.0* Morphological adaptations* (provide supporting data in Remarks or on a separate sheet) Problematic hydrophytic vegetation* (explain) *Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic
0 10 11 12 13 14 15 Woody Vine Stratum 1 2	85 Absolute % Cover	= Total Cover Dominant Species	Indicator Status	 Definitions of Vegetation Strata: Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height. Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall. Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall. Woody vines - All woody vines greater than 3.28 ft in height.
3 4 5 Remarks: (Include photo numbers here or on a set	0 =	= Total Cover		Hydrophytic vegetation present? Y
	,			

SOIL							Sa	ampling Point: DP08_W04
Profile Des	cription: (Descr	ibe to th	ne depth needed	to docu	ument th	e indicat	or or confirm the abser	nce of indicators.)
Depth (Inches)	n Matrix Redox Fea s) Color (moist) % Color (moist) %		ox Feat %	atures Type* Loc**		Texture	Remarks	
0-5	7.5YR 4/1	80	7.5YR 5/8	20	C	М	sandy loam	
5-18	7.5YR 4/1	60	7.5YR 5/8	20	С	М	sandy loam	
			7.5YR 5/6	20	С	М	sandy loam	
				-				
				-				
*Type: C=0	Concentration, D	=Deplet	ion, RM=Reduc	ed Matr	ix, CS=0	Covered	or Coated Sand Grains	<u> </u>
**Location:	PL=Pore Lining	, M=Ma	trix					
Hydric So	il Indicators:						Indicators for	Problematic Hydric Soils:
Hydric Soli Indicators: Dark Surface (S7) Histisol (A1) Polyvalue Below Surface (S8) Histic Epipedon (A2) (MLRA 147, 148) Black Histic (A3) Thin Dark Surface (S9) Hydrogen Sulfide (A4) (MLRA 147, 148) Stratified Layers (A5) Loamy Gleyed Matrix (F2) 2 cm Muck (A10) (LRR N) X Depleted Below Dark Surface (A11) Redox Dark Surface (F6) Thick Dark Surface (A12) Depleted Dark Surface (F7) Sandy Mucky Mineral (S1) Redox Depressions (F8) (LRR N, MLRA 147, 148) Iron-Manganese Masses (F12) (LRR N, MLRA 136) Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 148) Stripped Matrix (S6) Red Parent Material (F21) (MLRA 127, 147)						(A10) (MLRA 147) rie Redox (A16) (MLRA 147, 148) Floodplain Soils (F19) 5, 147) ow Dark Surface (TF12) lain in Remarks) problematic		
Restrictive Type: Depth (inch	Layer (if observenter):	ed):			-		Hydric soil prese	nt? <u>Y</u>
rtemarks:								

US Army Corps of Engineers

Attachment D ORAM Datasheets Site: AEP Gavin 138 kV Transmission Line - W01 Rater(s): Sam Bower



last revised 1 February 2001 jjm

Site: AEP Gavin 138 kV Transmission Line - W01 Rater(s): Sam Bower



GRAND TOTAL (max 100 pts)	

25.5

Refer to the most recent ORAM Score Calibration Report for the scoring breakpoints between wetland categories at the following address: http://www.epa.state.oh.us/dsw/401/401.html last revised 1 February 2001 jim

2

3

of marginal quality

and of highest quality

Present in moderate amounts, but not of highest quality or in small amounts of highest quality

Present in moderate or greater amounts

Site: AEP Gavin 138 kV Transmission Line - W02 Rater(s): Sam Bower



last revised 1 February 2001 jjm

Site: AEP Gavin 138 kV Transmission Line - W02 Rater(s): Sam Bower

0	Absen
1	Present very small amounts or if more common
	of marginal quality
2	Present in moderate amounts, but not of highest
	quality or in small amounts of highest quality
3	Present in moderate or greater amounts
	and of highest quality

39 GRAND TOTAL (max 100 pts)

Refer to the most recent ORAM Score Calibration Report for the scoring breakpoints between wetland categories at the following address: http://www.epa.state.oh.us/dsw/401/401.html last revised 1 February 2001 jim

Site: AEP Gavin 138 kV Transmission Line - W03 Rater(s): Sam Bower

Site: AEP Gavin 138 kV Transmission Line - W03 Rater(s): Sam Bower

1	Present very small amounts or if more common
	of marginal quality
2	Present in moderate amounts, but not of highest
	quality or in small amounts of highest quality
3	Present in moderate or greater amounts
	and of highest quality

30 GRAND TOTAL (max 100 pts)

Refer to the most recent ORAM Score Calibration Report for the scoring breakpoints between wetland categories at the following address: http://www.epa.state.oh.us/dsw/401/401.html last revised 1 February 2001 jjm

Site: AEP Gavin 138 kV Transmission Line - W04 Rater(s): Sam Bower

Site: AEP Gavin 138 kV Transmission Line - W04 Rater(s): Sam Bower

		of marginal quality
	2	Present in moderate amounts, but not of highest
		quality or in small amounts of highest quality
	3	Present in moderate or greater amounts
		and of highest quality
400 ()		

46.5 GRAND TOTAL (max 100 pts)

Refer to the most recent ORAM Score Calibration Report for the scoring breakpoints between wetland categories at the following address: http://www.epa.state.oh.us/dsw/401/401.html last revised 1 February 2001 jjm

Attachment E CH2M HILL Pond Datasheets

CH2MHILL

POND DATA SHEET					
FEATURE ID: P02	FEATURE ID: P02 ASSOCIATED FEATURES: W02				
SURVEY TYPE: Centerline/S	urvey Corridor				
DATE: 10/15/2013	CLIENT/PROJECT NAME	: AEP/GAVIN 138	KV TRANSMISSION LINE		
INVESTIGATORS: S. Bower and B. Cross ROUTE: Route 1					
STATE/COUNTY: OH/Gallia			IS THIS A MAPPED NWI FEATURE?: No		
	W	ATERBODY CH	IARACTERISTICS		
WATERBODY TYPE:	Pond				
AVG. DEPTH:	Approximately 2-3 feet	(within survey con	rridor)		
AVG. WIDTH (WATER SURFACE):	Approximately 150 feet (within survey corridor)				
APPROXIMATE SIZE:	>20 acres				
		QUALITATIVI	E ATTRIBUTES		
AVERAGE WATER APPEARANCE:	Blue/green color; no vegetation.				
PRIMARY SUBSTRATE (IF OBSERVED):	Silt, muck, coal waste				
POTENTIAL HABITAT FOR:	None	None			
SURROUNDING LAND USE: Commercial/industrial; second growth forest					
WETLAND FRINGE (IF PRESENT):	ETLAND FRINGE (IF PRESENT): Edge of pond bordered by palustrine emergent vegetation				
COMMENTS					
P02 is utilized as a wet impoundment for coal fly ash from the AEP Gavin generating facility.					

CH2MHILL

			TA SHEFT			
FEATURE ID: P03	ASSOCIATED FEATURES: UD01, UD02					
SURVEY TYPE: Centerline/S	urvey Corridor					
DATE: 12/4/2013	CLIENT/PROJECT NAME	: AEP/GAVIN 138	3 KV TRANSMISSION LINE			
INVESTIGATORS: S. Bower		ROUTE: NA				
STATE/COUNTY: OH/Gallia			IS THIS A MAPPED NWI FEATURE?: Yes			
	WA	ATERBODY CH	HARACTERISTICS			
WATERBODY TYPE:	Pond					
AVG. DEPTH:	Approximately 1 foot					
AVG. WIDTH (WATER SURFACE):	Approximately 50 feet					
APPROXIMATE SIZE:	< 1 acre					
		QUALITATIVI	E ATTRIBUTES			
AVERAGE WATER APPEARANCE:	Clear; no vegetation.					
PRIMARY SUBSTRATE (IF OBSERVED):	Silts, organic material					
POTENTIAL HABITAT FOR:	None					
SURROUNDING LAND USE:	Second growth forest					
WETLAND FRINGE (IF PRESENT):	None					
COMMENTS						

Attachment F USACE Upland Datasheets

WETLAND DETERMINATION DATA FORM - Eastern Mountains and Piedmont Region

Project/Site: <u>Gavin 138 kV Extension No.</u> Applicant/Owner: <u>American Electric Power</u> Investigator(s): <u>S. Bower and B. Cross</u>	2 City/County: State: Section	<u>Cheshire / Gallia</u> Ohio n, Township, Range	Sampling Date: <u>10</u> Sampling Point DF : S21 / T5N / R14W	/15/2013 202_W01_U01	
Landform (hillslope, terrace, etc.): terrace Subregion (LRR or MLRA): N Soil Map Unit NameBhF	Local relief (compared to the second	oncave, convex, non Long.: <u>-82</u> NWI C	e): <u>convex</u> 2.16059724 lassification: Upland	_Slope (%): 	
Are climatic/hydrologic conditions of the site t Are vegetation, soil, or h Are vegetation, soil, or h SUMMARY OF FINDINGS	typical for this time of the yea lydrologysignificant lydrologynaturally p	r Yes <u>X</u> No ly disturbed? Are problematic? cire (If	(If no, exp e "normal cumstances" preser needed, explain any	ain in remarks) Yes nt? / answers in remarks	
Hydrophytic vegetation present? No Hydric soil present? No Wetland hydrology present? No	Is the sar	npled area within a	wetland? No	-	
Remarks: Upland data point at edge of terrace	along hillside.				
HYDROLOGY					
Wetland Hydrology Indicators:		Secondary	Indicators (minimu	m of two required)	
Primary Indicators (minimum of one is require	ed; check all that apply)	Surface	e Soil Cracks (B6)		
Surface Water (A1)	True Aquatic Plants (B14)	Sparse	Sparsely Vegetated Concave Surface (B8)		
High Water Table (A2)	Hydrogen Sulfide Odor (C1) Draina	ge Patterns (B10)		
Saturation (A3)	Oxidized Rhizospheres on	Moss T	Moss Trim Lines (B16)		
Water Marks (B1)	Living Roots (C3)	Dry-Se	Dry-Season Water Table (C2)		
Sediment Deposits (B2)	Presence of Reduced Iron	(C4) Crayfis	Crayfish Burrows (C8)		
Drift Deposits (B3)	Recent Iron Reduction in T	lled Saturat	ion Visible on Aerial	Imagery (C9)	
Algal Mat or Crust (B4)	Soils (C6)	Stunted	d or Stressed Plants	(D1)	
Iron Deposits (B5)	Thin Muck Surface (C7)	Geomo	Iorphic Position (D2)		
Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9) Aquatic Fauna (B13)	Other (Explain in Remarks)	Shallov Microto FAC-N	v Aquitard (D3) pographic Relief (D4 eutral Test (D5))	
Field Observations:					
Surface water present? Yes	No X Depth (inches):	Wetland		
Water table present? Yes	No X Depth (inches):	hydrology		
Saturation present? Yes (includes capillary fringe)	No X Depth (inches):	present?	<u>N</u>	
Describe recorded data (stream gauge, moni	toring well, aerial photos, pre	vious inspections), i	f available:		
Remarks:					
No hydrologic indicators present.					

VEGETATION - Use scientific names of plants

Sampling Point: DP02 W01 U01

		50/20 Thresholds
Tree Stratum Plot Size (30 ft.) 1 <u>Pinus virginiana</u> 2 3 4	Absolute Dominant % Cover Species 60 Y	Indicator20%50%StatusTree Stratum1230UPLSapling/Shrub Stratum615Herb Stratum00Woody Vine Stratum00
5 6 7 8 9 10 Sapling/Shrub Plot Size (15 ft)	60 = Total Cover	Dominance Test Worksheet Number of Dominant Species that are OBL, FACW, or FAC: 0 Total Number of Dominant Species Across 2 Percent of Dominant Species that are OBL, FACW, or FAC: 0 All the second se
Stratum	% Cover Species	Status
1 Quercus rubra 2	30 Y	FACUPrevalence Index WorksheetTotal % Cover of:OBL species 0 $x 1 =$ 0 OBL species 0 $x 2 =$ 0 FAC species 0 $x 3 =$ 0 FACU species 30 $x 4 =$ 120 UPL species 60 $x 5 =$ 300 Column totals 90 (A) 420 Prevalence Index = B/A = 4.67
Herb Stratum Plot Size (5 ft.) 1 2 3 4 5 6 7 8 9 9	Absolute Dominant % Cover Species	Indicator Rapid test for hydrophytic vegetation Status Dominance test is >50% Prevalence index is ≤3.0* Morphological adaptations* (provide supporting data in Remarks or on a separate sheet) Problematic hydrophytic vegetation*
10 11 12 13 14 15		Definitions of Vegetation Strata: Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height. Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall.
Woody Vine Plot Size(30 ft.) Stratum 2	0 = Total Cover Absolute Dominant % Cover Species	Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall. Indicator Woody vines - All woody vines greater than 3.28 ft in height.
3 4 5	0 = Total Cover	Hydrophytic vegetation present? <u>N</u>
Remarks: (Include photo numbers here or on a sep	arate sheet)	

SOIL Sampling Point: DP02_W01_U01								
Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)								
Depth (Inchoo)	Matrix	0/	Red Color (moint)	lox Feat	ures		Texture	Remarks
(Inches)		% 100	Color (moist)	%	туре	LOC	sandy loam	refusal at 10"
0-10	1011(4/4	100					Sanuy Ioani	
*Type: C=0	Concentration, D	=Deplet	tion, RM=Reduc	ed Matr	ix, CS=0	Covered	or Coated Sand Grain	s
**Location:	PL=Pore Lining	, M=Ma	trix					
Hydric So	I Indicators:						Indicators for	Problematic Hydric Soils:
			Dark Si	urface (S7)		o 14	
HISTISO Histic F	I (A1) Eninedon (A2)			147 14	w Sunac 18)	e (30)	2 cm Muci	< (A10) (MLRA 147) irie Redox (A16) (MI RA 147, 148)
Black H	Histic (A3)		Thin Da	ark Surf	ace (S9)		Piedmont	Floodplain Soils (F19)
Hydrog	en Sulfide (A4)		(MLRA	147, 14	48) [`]		(MLRA 13	6, 147)
Stratifie	ed Layers (A5)		Loamy	Gleyed	Matrix (I	F2)	Very Shall	ow Dark Surface (TF12)
2 cm N	luck (A10) (LRR	N)	Deplete	ed Matri	x (F3)		Other (Exp	olain in Remarks)
Depiet	ark Surface (A1	2)	(ATT) Redux Deplete	Dark Su	Illace (F Surface	6) (F7)		
Sandy	Mucky Mineral (S1)	Redox	Depress	sions (F8	3)		
(LRR N	N, MLRA 147, 14	8)	Iron-Ma	anganes	se Masse	es (F12)	(LRR N, MLRA 136)	
Sandy	Gleyed Matrix (S	S4)	Umbric	Surface	e (F13) (MLRA 1	36, 122)	
Sandy	Redox (S5)		Piedmo	ont Floo	dplain So	oils (F19) (MLRA 148)	
Sinppe	a Matrix (56)			irent ivia	aterial (F.	21) (IVILI	RA 127, 147)	
*Indicators	of hydrophytic v	egetatio	on and wetland h	nydrolog	gy must k	be prese	nt, unless disturbed or	problematic
Restrictive	Layer (if observe	ed):						
Type: F	Rock and tree roo	ots			-		Hydric soil prese	ent? <u>N</u>
Depth (Incl	nes): 10"				-			
Remarks:								

WETLAND DETERMINATION DATA FORM - Eastern Mountains and Piedmont Region

Project/Site: Gavin 138 kV Extension No Applicant/Owner: American Electric Power Investigator(s): S. Bower and B. Cross Landform (hillslope, terrace, etc.): hillslope Subregion (LRR or MLRA): N Soil Map Unit NameGwE Are climatic/hydrologic conditions of the site Are vegetation , soil , or Are vegetation , soil , or SUMMARY OF FINDINGS	. 2 City/County: sr State: Section Local relief (cor Lat.: 38.96152808 typical for this time of the year hydrology significantly hydrology naturally pr	Cheshire / Gallia Sampling Date: 10/15/2013 Ohio Sampling Point DP04_W02_U02 , Township, Range: S20 / T5N / R14W ncave, convex, none): none
Hydrophytic vegetation present? No Hydric soil present? No Wetland hydrology present? No	Is the sam	pled area within a wetland? No
Remarks: Data point along hillslope upslope fr	rom wetland.	
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one is required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2)	red; check all that apply) True Aquatic Plants (B14) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres on Living Roots (C3) Presence of Reduced Iron (C	Secondary Indicators (minimum of two required) Surface Soil Cracks (B6) Sparsely Vegetated Concave Surface (B8) Drainage Patterns (B10) Moss Trim Lines (B16) Dry-Season Water Table (C2) Crayfish Burrows (C8)
Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9) Aquatic Fauna (B13)	Soils (C6) Thin Muck Surface (C7) Other (Explain in Remarks)	Saturation Visible on Aerial Imagery (C9) Stunted or Stressed Plants (D1) Geomorphic Position (D2) Shallow Aquitard (D3) Microtopographic Relief (D4) FAC-Neutral Test (D5)
Field Observations: Surface water present? Yes Water table present? Yes Saturation present? Yes (includes capillary fringe)	No X Depth (inches): No X Depth (inches): No X Depth (inches):	Wetland hydrology present? N ious inspections), if available:
Remarks: No hydrologic indicators present.		

VEGETATION - Use scientific names of plants

Sampling Point: DP04_W02_U02

Tree Stratum Plot Size (30 ft.) 1 Acer rubrum 2 Liriodendron tulipifera 3 Sassafras albidum 4	Absolute % Cover Dominant Species Indicator Status 40 Y FAC 20 Y FACU	50/20 Thresholds 20% 50% Tree Stratum 16 40 Sapling/Shrub Stratum 14 35 Herb Stratum 0 0 Woody Vine Stratum 0 0 Dominance Test Worksheet 0 0 Number of Dominant Species that are OBL, FACW, or FAC: 2 (A) Total Number of Dominant Species Across 6 (B) Percent of Dominant Species that are OBL, FACW, or FAC: 2 (A)
Sapling/Shrub Plot Size (15 ft.) Stratum 1 Ulmus americana 2 Acer saccharum 3 Liriodendron tulipifera 4 5 6 7 8 9 10	Absolute Dominant Indicator % Cover Species Status 30 Y FACW 20 Y FACU 20 Y FACU 20 Y FACU 20 Y FACU 20 Y EACU 20 <t< td=""><td>FACW, or FAC:33.33% (A/B)Prevalence Index WorksheetTotal % Cover of:OBL species$0 \times 1 = 0$OBL species$0 \times 2 = 60$FAC species$40 \times 3 = 120$FACU species$80 \times 4 = 320$UPL species$0 \times 5 = 0$Column totals150 (A)Solution500 (B)Prevalence Index = B/A = 3.33</td></t<>	FACW, or FAC:33.33% (A/B)Prevalence Index WorksheetTotal % Cover of:OBL species $0 \times 1 = 0$ OBL species $0 \times 2 = 60$ FAC species $40 \times 3 = 120$ FACU species $80 \times 4 = 320$ UPL species $0 \times 5 = 0$ Column totals 150 (A)Solution 500 (B)Prevalence Index = B/A = 3.33
Herb Stratum Plot Size (5 ft.) 1	Absolute % Cover Dominant Species Indicator Status	Hydrophytic Vegetation Indicators:
15 Woody Vine Plot Size (30 ft.) Stratum 2	0 = Total Cover Absolute Dominant Indicator % Cover Species Status	 Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall. Woody vines - All woody vines greater than 3.28 ft in height.
3 4 5	= Total Cover	Hydrophytic vegetation present? <u>N</u>
Remarks: (Include photo numbers here or on a sepa	arate sheet)	

SOIL							Sa	ampling Point: DP04_W02_U02	
Profile Des	cription: (Descri	ibe to th	ne depth needed	to doc	ument the	e indica	tor or confirm the absei	nce of indicators.)	
Depth	Matrix		Red	ox Fea	tures		T . (Dunida	
(Inches)	Color (moist)	%	Color (moist)	%	Type*	Loc**	lexture	Remarks	
0-18	10YR 4/3	90	10YR 5/6	5	C	М	sandv loam		
			10YR 5/8	5	C	М	sandy loam		
			101110/0	Ŭ	Ŭ		bandy loann		
								+	
								_	
								1	
								1	
								<u></u>	
*Type: C-(Concentration D	-Donloi	tion RM-Reduce	ad Mat	riv CS-C	overed	or Coated Sand Grains		
**Location	PI –Pore Lining	M–Ma	triv	su man	IX, 00–0	overeu	or coaled Sand Stank)	
		, 101–101a					In Protone Com	Dest to set to the left of the	
Hydric So	Il Indicators:		Dark C	unta a a l	07)		Indicators for	Problematic Hydric Solis:	
Listias	1 (\ 4)		Dark St	inace (57) w Surfac	(82) 0	2 om Much	(A10) (MI DA 117)	
Histic F	T(AT) Eninedon (A2)		(MI PA	1/7 1/	18)	e (00)	2 CITI MUCK	ria Redox (A16) (MI RA 147 148	
Black I	Histic (A3)		Thin Da	rk Surf	ace (S9)		Piedmont I	Floodplain Soils (F19)	
Hydroc	ien Sulfide (A4)		(MI RA	147.14	48)				
Stratifi	ed Lavers (A5)			Gleved	Matrix (F	-2)	Verv Shall	ow Dark Surface (TF12)	
2 cm N	luck (A10) (LRR	N)	Deplete	d Matri	x (F3)	_)	Other (Exp	lain in Remarks)	
Deplet	ed Below Dark S	urface ((A11) Redox [Dark Si	urface (Fe	6)			
Thick [Dark Surface (A1	2)	Deplete	d Dark	Surface	(F7)			
Sandy	Mucky Mineral (SÍ)	Redox [Depres	sions (F8	5)			
(LRR N	N, MLRA 147, 14	8)	Iron-Ma	nganes	se Masse	, s (F12)	(LRR N, MLRA 136)		
Sandy	Gleyed Matrix (S	64)	Umbric	Surfac	e (F13) (I	MLRA 1	36, 122)		
Sandy	Redox (S5)		Piedmo	nt Floo	dplain Sc	oils (F19	9) (MLRA 148)		
Strippe	ed Matrix (S6)		Red Pa	rent Ma	aterial (F2	21) (ML	RA 127, 147)		
*Indicators	of hydrophytic v	egetatio	on and wetland h	ydrolog	gy must b	e prese	ent, unless disturbed or	problematic	
Destrictive	Lover (if choore	a al \ .							
Restrictive	Layer (II observe	ea):					Hudria agil progo	nta N	
Type: Dopth (incl	200):				-		Hydric soli prese		
Deptil (inci	les)				-				
Pomarka:									
Remarks.									
l									

WETLAND DETERMINATION DATA FORM - Eastern Mountains and Piedmont Region

Project/Site: Gavin 138 kV Extension No	. 2 City/County:	Cheshire / Gallia Sampling Date: 10/15/2013			
Applicant/Owner: American Electric Powe	r State:	Ohio Sampling Point DP05_U03			
Investigator(s): S. Bower and B Cross	Section,	Township, Range: S14 / T5N / R14W			
Landform (hillslope, terrace, etc.): flat	Local relief (con	cave, convex, none): <u>none</u> Slope (%): <u>0</u>			
Subregion (LRR or MLRA): N	Lat.: <u>38.95609588</u>	Long.: <u>-82.14823274</u> Datum: <u>WGS 84</u>			
Soil Map Unit NamePnD		NWI Classification: Upland			
Are climatic/hydrologic conditions of the site	typical for this time of the year	Yes X No (If no, explain in remarks)			
Are vegetation, soil, or	hydrologysignificantly	disturbed? Are "normal Yes			
Are vegetation, soil, or	hydrology naturally pro	oblematic? circumstances" present?			
		(If needed, explain any answers in remain			
SUMMARY OF FINDINGS					
Hydrophytic vegetation present? Yes					
Hydric soil present? No	Is the samp	bled area within a wetland? No			
Wetland hydrology present? No					
Remarks:					
Upland data point adjacent to a dirt	access road.				
HYDROLOGY					
Wetland Hydrology Indicators:		Secondary Indicators (minimum of two required)			
Primary Indicators (minimum of one is require	red: check all that apply)	Surface Soil Cracks (B6)			
Surface Water (A1)	True Aquetia Planta (P14)	Canade Coll Clacks (20)			
		Sparsely Vegetated Concave Surface (B8)			
High Water Table (A2)	Hydrogen Sulfide Odor (C1)	Drainage Patterns (B10)			
Saturation (A3)	Oxidized Rhizospheres on	Moss Trim Lines (B16)			
Water Marks (B1)	Living Roots (C3)	Dry-Season Water Table (C2)			
Sediment Deposits (B2)	Presence of Reduced Iron (C	4) Crayfish Burrows (C8)			
Drift Deposits (B3)	Recent Iron Reduction in Tille	ed Saturation Visible on Aerial Imagery (C9)			
Algal Mat or Crust (B4)	Soils (C6)	Stunted or Stressed Plants (D1)			
Iron Deposits (B5)	Thin Muck Surface (C7)	Geomorphic Position (D2)			
Inundation Visible on Aprial	Other (Explain in Remarks)	Shallow Aguitard (D3)			
Inditidation Visible on Aeriai		Microtopographic Poliof (D4)			
Mater Steined Leevee (P0)		EAC Neutral Tost (D5)			
		PAC-Neutral Test (D5)			
Aquatic Fauna (B13)					
Field Observations:					
Surface water present? Yes	No X Depth (inches):	wetland			
Water table present? Yes	No X Depth (inches):	hydrology			
Saturation present? Yes	No X Depth (inches):	present? N			
(includes capillary fringe)					
Describe recorded data (stream gauge, mor	itoring well, aerial photos, previ	ous inspections), if available:			
Remarks:					
No hydrologic indicators present.					

VEGETATION - Use s	cientific names of plants
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Sampling Point: DP05_U03 50/20 Thresholds 20% 50% ~

Tree Stratum Plot Size (30 ft.) 1	Absolute % Cover	Dominant Species	Indicator Status	20%50%Tree Stratum00Sapling/Shrub Stratum2255Herb Stratum00Woody Vine Stratum00
4 5 6 7 8 9 10 Sapling/Shrub 9 10 Stratum 1 Equisetum hyemale 2 Eupatorium perfoliatum	0 Absolute % Cover 70 20	Total Cover Dominant Species Y Y Y	Indicator Status FACW FACW	Dominance Test Worksheet Number of Dominant Species that are OBL, FACW, or FAC: 2 (A) Total Number of Dominant Species Across 3 (B) Percent of Dominant Species that are OBL, FACW, or FAC: 66.67% (A/B) Prevalence Index Worksheet Total % Cover of:
3 Solidago canadensis 4	20	Y	FACU	OBL species 0 $x 1 =$ 0 90 $x 2 =$ 180FAC species 0 $x 3 =$ 0 FACU species 20 $x 4 =$ 80 UPL species 0 $x 5 =$ 0 Column totals110(A)260Prevalence Index = B/A = 2.36
Herb Stratum Plot Size (5 ft.) 1 2 3 4 5 6 7 8 9 9	Absolute % Cover	Dominant Species	Indicator Status	Hydrophytic Vegetation Indicators: Rapid test for hydrophytic vegetation X Dominance test is >50% X Prevalence index is ≤3.0* Morphological adaptations* (provide supporting data in Remarks or on a separate sheet) Problematic hydrophytic vegetation* (explain) *Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic
10 11 12 13 14 15				Definitions of Vegetation Strata: Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height. Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall.
Woody Vine Plot Size(30 ft.) Stratum	Absolute % Cover	Dominant Species	Indicator Status	 Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall. Woody vines - All woody vines greater than 3.28 ft in height.
45	0 =	Total Cover		Hydrophytic vegetation present? Y

Absolute

Dominant

Indicator

SOIL							Sa	ampling Point: DP05_U03
Profile Des	cription: (Descr	ibe to th	ne depth needed	to docu	ument th	e indicat	or or confirm the abser	nce of indicators.)
Depth	Matrix		Red	ox Feat	tures		Texture	Remarks
(Inches)	Color (moist)	%	Color (moist)	%	Type*	Loc**	Texture	Remarks
0-18	10YR 4/3	100					sandy loam	
*Type: C=C	Concentration, D	=Deple	tion, RM=Reduc	ed Matr	ix, CS=0	Covered	or Coated Sand Grains	5
**Location:	PL=Pore Lining	, M=Ma	trix					
Hydric Soi	I Indicators:						Indicators for	Problematic Hydric Soils:
			Dark Su	urface (S7)	(00)		
Histiso	l (A1) Eninodon (A2)		Polyval (MLDA		w Surrac	ce (S8)	2 cm Muck	: (A10) (MLRA 147) rio Rodov (A16) (MLRA 147, 148)
Black H	listic (A3)		Thin Da	ark Surfa	ace (S9)		Piedmont F	Floodplain Soils (F19)
Hydrog	en Sulfide (A4)		(MLRA	147, 14	18)		(MLRA 13)	6, 147)
Stratifie	ed Layers (A5)		Loamy	Gleyed	Matrix (I	=2)	Very Shallo	ow Dark Surface (TF12)
2 cm N	luck (A10) (LRR	N)	Deplete	d Matri	x (F3)	0)	Other (Exp	lain in Remarks)
Deplete	ed Below Dark S	urrace	(A11 <u>)</u> Redox	Dark Su	Inace (F	6) (EZ)		
Sandy	Mucky Mineral (2) S1)	Bedox	Depress	sions (F8	3)		
(LRR N	I, MLRA 147, 14	.8)	Iron-Ma	inganes	e Masse	es (F12)	(LRR N, MLRA 136)	
Sandy	Gleyed Matrix (S	64)	Umbric	Surface	e (F13) (MLRA 1	36, 122)	
Sandy Strippo	Redox (S5)		Piedmo	nt Floo	dplain So	DIIS (F19) (MLRA 148) 24 127 147)	
Suppe	u Matrix (SO)				iterial (F		XA 127, 147)	
*Indicators	of hydrophytic v	egetatio	on and wetland h	nydrolog	gy must b	be prese	nt, unless disturbed or	problematic
De etri eti ve	Lever (if sheers	1) -						
Restrictive	Layer (If observe	ea):					Hydric soil prese	nt? N
Depth (inch	nes):				-		riyune son prese	
Pomarke:	/				-			
Remarks.								

WETLAND DETERMINATION DATA FORM - Eastern Mountains and Piedmont Region

Project/Site: Gavin 138 kV Extension N Applicant/Owner: American Electric Pov	lo. 2 City/Cour /er S	tate: <u>Ohio</u>	a Sampling Date: <u>10</u> Sampling Point D	D/16/2013 P07_W03_U04		
Investigator(s): S. Bowe and B. Cross	S	ection, Township, Rar	nge: <u>S14 / T5N / R14V</u>	V		
Landform (hillslope, terrace, etc.): hillslop	be Local reli	ef (concave, convex, r	none): none	Slope (%):		
Subregion (LRR or MLRA): N	Lat.: <u>38.95904</u>	528 Long.:	-82.15647985	Datum: WGS 84		
Soli Map Unit Name GWE		NVV	T Classification: Uplan	d		
Are climatic/hydrologic conditions of the si	e typical for this time of the	e year Yes <u>X</u>	No(If no, exp	blain in remarks)		
Are vegetation, soll, o	r nydrologysignif	Icantiy disturbed?	Are normal	<u>Yes</u>		
	natur	any problematic?	(If nooded, evoluin on	ning Nangwara in romarka		
SUMMARY OF FINDINGS			(ii needed, explain an			
Hydrophytic vegetation present? No	_					
Hydric soil present? No	_ Is the	e sampled area within	n a wetland? No	_		
Wetland hydrology present? No	-					
Remarks:						
Data point along hillslope						
HYDROLOGY						
Wetland Hydrology Indicators:		Second	ary Indicators (minimu	um of two required)		
Primary Indicators (minimum of one is requ	uired; check all that apply)	Sur	face Soil Cracks (B6)			
Surface Water (A1)	True Aquatic Plants (E	(14) Spa	rsely Vegetated Conca	ve Surface (B8)		
High Water Table (A2)	Hvdrogen Sulfide Odo	r (C1) Drai	Drainage Patterns (B10)			
Saturation (A3)	Ovidized Phizeephore	n Mos	Moss Trim Lines (B16)			
Water Marks (B1)	Living Roots (C3)	50111100	Dry-Season Water Table (C2)			
Sediment Deposits (B2)	Presence of Reduced	Iron (C4)	vfish Burrows (C8)	52)		
Drift Deposits (B3)	Recent Iron Reduction	in Tilled Satu	uration Visible on Aeria	I Imagery (C9)		
Algal Mat or Crust (B4)	Soils (C6)	Stur	nted or Stressed Plants	; (D1)		
Iron Deposits (B5)	Thin Muck Surface (C	7) Geo	morphic Position (D2)	· · ·		
	Other (Explain in Rem	arks) Sha	llow Aquitard (D3)			
Inundation Visible on Aeriai		Mice	rotopographic Poliof (D	4)		
Water-Stained Leaves (B9)			Noutral Test (D5)	+)		
Aquatic Fauna (B13)						
Field Observations:						
Surface water present? Yes	<u>No X</u> Depth (in	ches):	Wetland			
Water table present? Yes	_ No <u>X</u> Depth (in	ches):	hydrology			
Saturation present? Yes	No <u>X</u> Depth (in	ches):	present?	<u>N</u>		
(includes capillary fringe)						
Describe recorded data (stream gauge, mo	pnitoring well, aerial photos	, previous inspections	s), if available:			
Remarks:						
No hydrologic indicators present.						

VEGETATION - Use scientific names of plants

Sampling Point: DP07_W03_U04

	<u> </u>			50/20 Thresholds
Tree Stratum Plot Size (30 ft.) Absolute	Dominant	Indicator	20% 50%
1 Acer rubrum	% Cover	Species	FAC	Sapling/Shrub Stratum 16 40
2 Ulmus rubra	30	- <u>·</u>	FAC	Herb Stratum 4 10
3 Asimina triloba	20	Y	FAC	Woody Vine Stratum 0 0
4				
5				Dominance Test Worksheet
67				Species that are OBI
8				FACW, or FAC: 5 (A)
9				Total Number of
10				Dominant Species Across 8 (B)
	100	= Total Cover		Percent of Dominant
O a a lia a /Oh a ch	A b a a b c t a	Densinent	la d'anten	Species that are OBL,
Stratum Plot Size (15 ft.) Absolute	Dominant	Indicator	FACW, of FAC: <u>62.50%</u> (A/B)
	% Cover	Species	Status	Describer of the description of
Acer rubrum		_ <u>Y</u>		Tetal % Cover of
2 Acer saccharum 3 Ulmus rubra		- <u>Y</u>	FACU	OBL species 0 x 1 - 0
4 Rosa multiflora		- <u>'</u>	FACU	$\frac{0}{0} \times 2 = 0$
5				FAC species 140 x 3 = 420
6				FACU species $60 \times 4 = 240$
7				UPL species $0 \times 5 = 0$
8 9				$\frac{200}{\text{Prevalence Index} = B/A} = \frac{3.30}{3.30}$
10				
	80	= Total Cover		
				Hydrophytic Vegetation Indicators:
Herb Stratum Plot Size (5 ft.) Absolute	Dominant	Indicator	Rapid test for hydrophytic vegetation
1 Ageratina altissima	% Cover	Species	FACIL	Δ Dominance lest is >50% Prevalence index is <3.0*
2			17.00	Morphological adaptations* (provide
3				supporting data in Remarks or on a
4				separate sheet)
5				Problematic hydrophytic vegetation*
6				(explain)
8				*Indicators of hydric soil and wetland hydrology must be
9				
10				Definitions of Vegetation Strata:
11				Tree - Woody plants 3 in. (7.6 cm) or more in diameter at
12				breast height (DBH), regardless of height.
13				Sapling/shrub - Woody plants less than 3 in. DBH and
15				greater than 3.28 ft (1 m) tall.
	20	= Total Cover		Herb - All berbaceous (non-woody) plants, regardless of
		_		size, and woody plants less than 3.28 ft tall.
Woody Vine Plot Size (30 ft.) Absolute	Dominant	Indicator	
Stratum	% Cover	Species	Status	Woody vines - All woody vines greater than 3.28 ft in
2				neight.
3				
4				Hydrophytic
5				vegetation
	0	= Total Cover		present? Y
5		-		
Remarks: (Include photo numbers here or on a	a separate sheet	t)		

SOIL							Sa	mpling Point: DP07_W03_U04
Profile Des	cription: (Descri	be to th	ne depth needed	to docu	ument th	e indicat	or or confirm the abser	nce of indicators.)
Depth (Inches)	Matrix Color (moist)	%	Red Color (moist)	ox Feat %	tures Type*	Loc**	Texture	Remarks
0-18	10YR 4/3	95	10YR 5/6	5	C	M	sandy loam	
*Type: C=0 **Location:	Concentration, D= PL=Pore Lining,	Deplet= M=Ma	ion, RM=Reduce trix	ed Matr	ix, CS=0	Covered	or Coated Sand Grains	
Hydric Soi	I Indicators:		Dork Su	urfago (97)		Indicators for	Problematic Hydric Soils:
Histiso Histic E Black H Hydrog Stratifie 2 cm M Deplete Thick D Sandy (LRR N Sandy Sandy Strippe	Dark Surface (S7)Histisol (A1)Polyvalue Below Surface (S8)Histic Epipedon (A2)(MLRA 147, 148)Black Histic (A3)Thin Dark Surface (S9)Hydrogen Sulfide (A4)(MLRA 147, 148)Stratified Layers (A5)Loamy Gleyed Matrix (F2)2 cm Muck (A10) (LRR N)Depleted Matrix (F3)Depleted Below Dark Surface (A11)Redox Dark Surface (F6)Thick Dark Surface (A12)Depleted Dark Surface (F7)Sandy Mucky Mineral (S1)Redox Depressions (F8)(LRR N, MLRA 147, 148)Iron-Manganese Masses (F12) (LRR N, MLRA 136)Sandy Redox (S5)Piedmont Floodplain Soils (F19) (MLRA 148)Stripped Matrix (S6)Red Parent Material (F21) (MLRA 127, 147)							(A10) (MLRA 147) rie Redox (A16) (MLRA 147, 148) Floodplain Soils (F19) 5, 147) ow Dark Surface (TF12) lain in Remarks) problematic
Restrictive Type: Depth (inch	Layer (if observe	ed):			-		Hydric soil prese	nt? <u>N</u>
Remarks:						1		

WETLAND DETERMINATION DATA FORM - Eastern Mountains and Piedmont Region

Project/Site: Gavin 138 kV Extension N Applicant/Owner: American Electric Pow Investigator(s): S. Bower and B. Cross Landform (hillslope, terrace, etc.): terrace Subregion (LRR or MLRA): N Soil Map Unit NameBhF Are climatic/hydrologic conditions of the si Are vegetation , soil , o SUMMARY OF FINDINGS Image: Summary of the side side side side side side side sid	lo. 2 ver Lat.: te typical for this or hydrology	City/County: State: Sectior Local relief (co 38.95937092 s time of the year significantly naturally pr	Cheshire / Gal Ohio , Township, Ra ncave, convex, Long.: NV Yes X / disturbed? oblematic?	lia Sampling Date: Sampling Point Inge: S20 / T5N / R14 none): none -82.15836041 VI Classification: Upl No (If no, e Are "normal circumstances" pre (If needed, explain	10/16/2013 DP09_W04_U05 4W Slope (%): Datum: WGS 84 and explain in remarks) Yes sent? any answers in remarks)		
Hydrophytic vegetation present? Yes Hydric soil present? No Wetland hydrology present? No	_	Is the sam	pled area with	in a wetland? N	lo		
Remarks:							
Upland data point							
HYDROLOGY							
Wetland Hydrology Indicators:			Secon	dary Indicators (mini	mum of two required)		
Primary Indicators (minimum of one is requ	uired; check all	that apply)	Su	rface Soil Cracks (B6)			
Surface Water (A1)	True Aqua	tic Plants (B14)	Sp	arsely Vegetated Con	cave Surface (B8)		
High Water Table (A2)	Hydrogen	Sulfide Odor (C1)	Dra	Drainage Patterns (B10)			
Saturation (A3)		hizospheres on	 Mo	Moss Trim Lines (B16)			
Water Marks (B1)	Living Roo	ots (C3)	Dn	Dry-Season Water Table (C2)			
Sediment Deposits (B2)	Presence	of Reduced Iron (C4) Cra	Cravfish Burrows (C8)			
Drift Deposits (B3)	Recent Iro	n Reduction in Til	ed Sa	Saturation Visible on Aerial Imagery (C9)			
Algal Mat or Crust (B4)	Soils (C6)		Stu	inted or Stressed Plar	nts (D1)		
Iron Deposits (B5)	Thin Muck	Surface (C7)	Ge	omorphic Position (D	2)		
	Other (Exr	plain in Remarks)	Sh	allow Aquitard (D3)	,		
Inditidation Visible on Aeriai		iant in reenance)	Mic	crotopographic Relief	(D4)		
Water-Stained Leaves (B9)			FA	C-Neutral Test (D5)	(04)		
Aquatic Fauna (B13)							
Field Observations:							
Surface water present? Yes	No X	Depth (inches)		Wetland			
Water table present? Yes	No X	Depth (inches)		hydrology			
Saturation present? Yes	No X	Depth (inches)		present?	Ν		
(includes capillary fringe)		,					
Describe recorded data (stream gauge, mo	onitoring well, a	erial photos, prev	ious inspection	s), if available:			
Remarks:							
No hydrologic indicators.							

VEGETATION - Use scientific names of plants

Sampling Point: DP09_W04_U05

•		50/20 Thresholds
Tree Stratum Plot Size (30 ft.) 1 <u>Acer rubrum</u> 2 <u>Ulmus americana</u> 34	Absolute Dominant Indicator % Cover Species Status 50 Y FAC 30 Y FACW	20%50%Tree Stratum1640Sapling/Shrub Stratum1333Herb Stratum00Woody Vine Stratum00
5 6 7 8 9 10 Sapling/Shrub Plot Size(15 ft.)	80 = Total Cover Absolute Dominant Indicator % Cover Species Status	Dominance Test Worksheet Number of Dominant Species that are OBL, FACW, or FAC: 3 (A) Total Number of Dominant Species Across 5 (B) Percent of Dominant Species that are OBL, FACW, or FAC: 60.00% (A/B)
1 Acer rubrum 2 Quercus prinus 3 Sassafras albidum 4	25 Y FAC 20 Y UPL 20 Y FACU 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	Prevalence Index WorksheetTotal % Cover of: OBL species $0 \times 1 = 0$ FACW species $30 \times 2 = 60$ FAC species $75 \times 3 = 225$ FACU species $20 \times 4 = 80$ UPL species $20 \times 5 = 100$ Column totals 145 (A)Prevalence Index = B/A = 3.21
Herb Stratum Plot Size (5 ft.) 1 2 3 4 5 6 7 8 9	Absolute Dominant Indicator % Cover Species Status	Hydrophytic Vegetation Indicators: Rapid test for hydrophytic vegetation X Dominance test is >50% Prevalence index is ≤3.0* Morphological adaptations* (provide supporting data in Remarks or on a separate sheet) Problematic hydrophytic vegetation* (explain) *Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic
10 11 12 13 14 15 Woody Vine Plot Size (30 ft.) 1 2	0 = Total Cover Absolute Dominant % Cover Species	Definitions of Vegetation Strata: Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height. Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall. Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall. Woody vines - All woody vines greater than 3.28 ft in height.
3 4 5	= Total Cover	Hydrophytic vegetation present? Y
Remarks: (Include photo numbers here or on a s	eparate sheet)	

SOIL							Sa	ampling Point: DP09_W04_U05
Profile Des	cription: (Descri	be to th	ne depth needed	to docu	ument th	e indicat	or or confirm the abser	nce of indicators.)
Depth	Matrix		Red	ox Feat	tures		Texture	Remarks
(Inches)	Color (moist)	%	Color (moist)	%	Type*	Loc**	Toxidio	
0-8	10YR 3/3	100					sandy loam	
8-18	10YR 3/3	80	10 YR 5/8	20	С	М	sandy loam	
*Type: C=C	Concentration, D	=Deplet	ion, RM=Reduc	ed Matr	ix, CS=0	Covered	or Coated Sand Grains	3
**Location:	PL=Pore Lining,	M=Ma	trix					
Hydric Soi	I Indicators:						Indicators for	Problematic Hydric Soils:
Histisol Histic E Black H Hydrog Stratifie 2 cm M Deplete Thick D Sandy (LRR N Sandy Sandy Strippe	Histisol (A1) Dark Surface (S7) Histisol (A1) Polyvalue Below Surface (S8) Black Histic (A3) Thin Dark Surface (S9) Hydrogen Sulfide (A4) (MLRA 147, 148) Stratified Layers (A5) Loamy Gleyed Matrix (F2) 2 cm Muck (A10) (LRR N) Depleted Matrix (F3) Depleted Below Dark Surface (A11) Redox Dark Surface (F6) Thick Dark Surface (A12) Depleted Dark Surface (F7) Sandy Mucky Mineral (S1) Redox Depressions (F8) (LRR N, MLRA 147, 148) Iron-Manganese Masses (F12) (LRR N, MLRA 136) Sandy Gleyed Matrix (S4) Umbric Surface (F13) (MLRA 136, 122) Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 148) Stripped Matrix (S6) Red Parent Material (F21) (MLRA 127, 147)							
Restrictive Type: Depth (inch	Layer (if observe	ed):			-		Hydric soil prese	nt? <u>N</u>
Remarks:						<u> </u>		

This foregoing document was electronically filed with the Public Utilities

Commission of Ohio Docketing Information System on

12/30/2013 3:30:19 PM

in

Case No(s). 13-2412-EL-BLN

Summary: Letter of Notification Gavin 138kV Extension No. 2 Relocation Project (Part 4 of 4) electronically filed by Mr. Yazen Alami on behalf of Ohio Power Company