Profile Descri	iption: (Describe to	the depth n	eeded to document	the indic	ator or co	nfirm the a	absence of indicators.)			
Depth	Matrix		Rec	dox Featu			-			
(inches)	Color (moist)	<u>%</u>	Color (moist)	<u>%</u>	Tvpe 1	Loc ²	Texture	Remarks		
0-16	10YR 4/1	95	10YR 4/6	5	C	M	Silty Clay Loam			
			-							
							-			
							-			
1 Type: C=Cond	centration D=Depletio	n RM=Reduc	ed Matrix CS=Covere	ed or Coate	d Sand Gra	ins 2Locat	tion: PL=Pore Lining. M=Ma	atrix		
Hydric Soil I		III. KWI–Keduc	ed Matrix, C3-Covere	ed or coate	u Janu Gra	III3 LOCA				
Histosol (A			Dark Surface (27)			Indicators for Proble	ematic Hydric Soils ³ :		
	pedon (A2)		Polyvalue Belov	•	CO) (MIDA	147 140\	2 cm Muck (A10)	(MLRA 147)		
Black Histi			Thin Dark Surfa				Coast Prairie Redo	ox (A16)		
	Sulfide (A4)					40)	(MLRA 147,148)			
	Layers (A5)		Loamy Gleyed✓ Depleted Matrix				Piedmont Floodpla	ain Soils (F19)		
	k (A10) (LRR N)		Redox Dark Su				(MLRA 136, 147)			
		11)	Depleted Dark		7)					
	Below Dark Surface (A	11)	Redox Depress		')		Other (Explain in I	Remarks)		
	k Surface (A12)		Iron-Manganes		F12\ (I DD I	N.				
Sandy Mu MLRA 147	ck Mineral (S1) (LRR N ', 148)	l,	MLRA 136)							
Sandy Gle	yed Matrix (S4)		Umbric Surface				3 Indicators of I	nydrophytic vegetation and		
Sandy Red	dox (S5)		Piedmont Floor	dplain Soils	(F19) (MLF	RA 148)	wetland hyd	rology must be present,		
Stripped N	Matrix (S6)		Red Parent Ma	terial (F21)	(MLRA 127	7, 147)		turbed or problematic.		
Restrictive La	ayer (if observed):									
Type:										
Depth (inch	nes):						Hydric Soil Present?	Yes No		
Remarks:										

Project/Site: Sunnyside-Carrollton		City/County: Stark County	Sampling Date: 01-May-17
Applicant/Owner: AEP		State: O	
Investigator(s): PJR, LCB		Section, Township, Range: S	7 31 7 18N R 7W
Landform (hillslope, terrace, etc.):	Valley bottom	Local relief (concave, convex,	none): concave Slope: 5.0% / 2.9 °
Subregion (LRR or MLRA):	Lat.:	40.737158 Lo	ng.: -81.299944
Soil Map Unit Name: MSD		10.707100	NWI classification: N/A
Are climatic/hydrologic conditions o	on the site typical for this time of yea	ar? Yes • No O (If no	o, explain in Remarks.)
Are Vegetation , Soil		_	Il Circumstances" present? Yes No
Are Vegetation, Soil	, or Hydrology naturally p	roblematic? (If needed,	explain any answers in Remarks.)
Summary of Findings - A	ttach site map showing s	ampling point location	ns, transects, important features, etc.
Hydrophytic Vegetation Present?	Yes ● No ○		
Hydric Soil Present?	Yes No	Is the Sampled Area	Yes ● No ○
Wetland Hydrology Present?	Yes No	within a Wetland?	163 - 140 -
Remarks: PEM wetland			
 Hydrology			
Wetland Hydrology Indicators:			Secondary Indicators (minimum of two required)
Primary Indicators (minimum of o	ne required; check all that apply)		Surface Soil Cracks (B6)
✓ Surface Water (A1)	True Aquatic Plants	(B14)	Sparsely Vegetated Concave Surface (B8)
High Water Table (A2)	Hydrogen Sulfide O	dor (C1)	✓ Drainage Patterns (B10)
Saturation (A3)	Oxidized Rhizosphe	res along Living Roots (C3)	Moss Trim Lines (B16)
Water Marks (B1)	Presence of Reduce	ed Iron (C4)	Dry Season Water Table (C2)
Sediment Deposits (B2)		ion in Tilled Soils (C6)	Crayfish Burrows (C8)
Drift deposits (B3)	Thin Muck Surface	(C7)	Saturation Visible on Aerial Imagery (C9)
Algal Mat or Crust (B4)	Other (Explain in Re	emarks)	Stunted or Stressed Plants (D1)
Iron Deposits (B5)	(5-5)		Geomorphic Position (D2)
Inundation Visible on Aerial Image	ry (B7)		Shallow Aquitard (D3)
Water-Stained Leaves (B9)			Microtopographic Relief (D4)
Aquatic Fauna (B13)			✓ FAC-neutral Test (D5)
Field Observations: Surface Water Present? Yes	No Depth (inches):	3	
Water Table Present? Yes	No Depth (inches):	0	
Saturation Present?	1. (Wetland Hyd	Irology Present? Yes No
(iriciudes capillal y Tririge)	auge, monitoring well, aerial photos		ilahla
Describe Recorded Data (stream g	auge, monitoring well, aerial priotos	s, previous irispections), ir ava	nable.
Remarks:			
1			

		C			Sampling Point: W-PJR-050117-08
Tree Stratum (Plot size:)	Absolute % Cover		Strat.	Indicator Status	Sommande rest worksheeti
1	0		0.0%		Number of Dominant Species That are OBL, FACW, or FAC:
2	0		0.0%		
3			0.0%		Total Number of Dominant Species Across All Strata: 2 (B)
4			0.0%		
5	0		0.0%		Percent of dominant Species
6			0.0%		That Are OBL, FACW, or FAC: 100.0% (A/B)
7	0		0.0%		Prevalence Index worksheet:
8	0		0.0%		Total % Cover of: Multiply by:
Sapling-Sapling/Shrub Stratum (Plot size:	0 :	= Tota	l Cover		0BL speci es55 x 1 =55
	_		0.0%		FACW species <u>35</u> x 2 = <u>70</u>
1			0.0%	-	FAC species
2					FACU species $0 \times 4 = 0$
3			0.0%		UPL species $0 \times 5 = 0$
4			0.0%		Column Totals: 90 (A) 125 (B)
5			0.0%		Column locals: 40 (A) 123
6			0.0%		Prevalence Index = B/A = 1.389
7			0.0%		Hydrophytic Vegetation Indicators:
8		\neg	0.0%		✓ Rapid Test for Hydrophytic Vegetation
9		Ц_	0.0%		✓ Dominance Test is > 50%
10	0	Ш	0.0%		✓ Prevalence Index is ≤3.0 ¹
Shrub Stratum (Plot size:)	:	= Tota	l Cover		Morphological Adaptations ¹ (Provide supporting
1	0		0.0%		data in Remarks or on a separate sheet)
2			0.0%		Problematic Hydrophytic Vegetation ¹ (Explain)
3			0.0%		¹ Indicators of hydric soil and wetland hydrology must
4			0.0%		be present, unless disturbed or problematic.
5			0.0%		Definition of Vegetation Strata:
6			0.0%		Four Vegetation Strata:
7	0		0.0%		Tree stratum – Consists of woody plants, excluding vines, 3 in.
			l Cover		(7.6 cm) or more in diameter at breast height (DBH), regardless of height.
Herb Stratum (Plot size:)		_			Sapling/shrub stratum – Consists of woody plants, excluding
1. Carex vulpinoidea			51.1%	OBL	vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.
2. Onoclea sensibilis			38.9%	FACW	Herb stratum – Consists of all herbaceous (non-woody) plants, regardless of size, and all other plants less than 3.28 ft tall.
3			0.0%		Woody vines – Consists of all woody vines greater than 3.28 ft
4			0.0%		in height.
5			0.0%		
6	0		0.0%		Five Vegetation Strata:
7			0.0%		Tree - Woody plants, excluding woody vines, approximately 20
8	0		0.0%		ft (6 m) or more in height and 3 in. (7.6 cm) or larger in diameter at breast height (DBH).
9	0	\neg	0.0%		Sapling stratum – Consists of woody plants, excluding woody
10	0	<u>H</u> _	0.0%		vines, approximately 20 ft (6 m) or more in height and less
11	0	Ц_	0.0%		than 3 in. (7.6 cm) DBH.
12	0		0.0%		Shrub stratum – Consists of woody plants, excluding woody vines, approximately 3 to 20 ft (1 to 6 m) in height.
Woody Vine Stratum (Plot size:)	90	= Tota	l Cover	•	Herb stratum – Consists of all herbaceous (non-woody) plants,
1	0		0.0%		including herbaceous vines, regardless of size, and woody
2	0		0.0%		species, except woody vines, less than approximately 3 ft (1 m) in height.
3.	0		0.0%		Woody vines – Consists of all woody vines, regardless of
4	0		0.0%		height.
5.	0		0.0%		
J	0		0.0%		Hydrophytic Vegetation
6			/0		
6		= Tota	al Cove	r	Present? Yes No

Profile Descr	iption: (Describe to	the depth no	eeded to document	t the indic	ator or co	nfirm the a	bsence of indicators.)			
Depth	Matrix		Re	dox Featu			-			
(inches)	Color (moist)	<u>%</u>	Color (moist)	%_	Type 1	Loc ²	Texture	Remarks		
0-16	10YR 4/2	90	10YR 4/6	10	C	M	Silty Clay Loam			
			-							
							-			
							-			
¹ Type: C=Cond	centration. D=Depletio	n. RM=Reduc	ed Matrix, CS=Cover	ed or Coate	ed Sand Gra	ins ² Loca	tion: PL=Pore Lining. M=Ma	atrix		
Hydric Soil I	Indicators:						Indicators for Proble	matic Hydric Soils ³ :		
Histosol (A	A1)		Dark Surface ((S7)						
Histic Epip	pedon (A2)		Polyvalue Belo	w Surface ((S8) (MLRA	147,148)	2 cm Muck (A10)	•		
Black Hist			Thin Dark Surf				Coast Prairie Redo (MLRA 147,148)	x (A16)		
Hydrogen	Sulfide (A4)		Loamy Gleyed			•				
	Layers (A5)		✓ Depleted Matri				Piedmont Floodpla (MLRA 136, 147)	ain Soils (F19)		
	k (A10) (LRR N)		Redox Dark Su				Very Shallow Dark	Surface (TE12)		
	Below Dark Surface (A	11)	Depleted Dark		7)					
	k Surface (A12)	11)	Redox Depress		,		Other (Explain in	Remarks)		
	, ,	1	☐ Iron-Manganes		F12) (I RR I	V.				
MLRA 147	,	1,	MLRA 136)							
	eyed Matrix (S4)		Umbric Surface				3 Indicators of I	nydrophytic vegetation and		
Sandy Red	dox (S5)		Piedmont Floo	dplain Soils	(F19) (MLF	RA 148)	wetland hyd	rology must be present,		
Stripped N	Matrix (S6)		Red Parent Ma	iterial (F21)	(MLRA 127	7, 147)		turbed or problematic.		
Restrictive La	ayer (if observed):									
Type:										
Depth (incl	hes):						Hydric Soil Present?	Yes No		
Remarks:										
Romans.										

Project/Site: Sunnyside-Carrollton		City/County: Stark County	Sampling Date: 01-May-17
Applicant/Owner: AEP		State: 0	
Investigator(s): PJR, LCB		Section, Township, Range: S	7 31 7 18N R 7W
Landform (hillslope, terrace, etc.):	Hillside	Local relief (concave, convex,	none): concave Slope: 15.0% / 8.5 °
Subregion (LRR or MLRA):	Lat.:	40.738333 Lo	ng.: -81.301565
Soil Map Unit Name: MsD		10.70000	NWI classification: N/A
Are climatic/hydrologic conditions or	the site typical for this time of yea	ar? Yes • No O (If no	o, explain in Remarks.)
Are Vegetation, Soil			Il Circumstances" present? Yes No
Are Vegetation, Soil	, or Hydrology naturally pr		explain any answers in Remarks.)
_ , _		,	ns, transects, important features, etc.
Hydrophytic Vegetation Present?	Yes No		
Hydric Soil Present?	Yes No	Is the Sampled Area	Yes ● No ○
Wetland Hydrology Present?	Yes ● No ○	within a Wetland?	ies o No o
Remarks: PEM wetland			
Hydrology			
Wetland Hydrology Indicators:			Secondary Indicators (minimum of two required)
Primary Indicators (minimum of on			Surface Soil Cracks (B6)
Surface Water (A1)	True Aquatic Plants		Sparsely Vegetated Concave Surface (B8)
✓ High Water Table (A2) ✓ Saturation (A3)	Hydrogen Sulfide O	, ,	Drainage Patterns (B10)
Water Marks (B1)	Oxidized Rhizosphei Presence of Reduce	res along Living Roots (C3)	☐ Moss Trim Lines (B16) ☐ Dry Season Water Table (C2)
Sediment Deposits (B2)		ion in Tilled Soils (C6)	Crayfish Burrows (C8)
Drift deposits (B3)	☐ Thin Muck Surface (Saturation Visible on Aerial Imagery (C9)
Algal Mat or Crust (B4)	Other (Explain in Re	• •	Stunted or Stressed Plants (D1)
☐ Iron Deposits (B5)		,	Geomorphic Position (D2)
Inundation Visible on Aerial Imagery	y (B7)		Shallow Aquitard (D3)
Water-Stained Leaves (B9)			Microtopographic Relief (D4)
Aquatic Fauna (B13)			✓ FAC-neutral Test (D5)
Field Observations: Surface Water Present? Yes	No Depth (inches):	2	
		Wetland Hyd	Irology Present? Yes No
(includes capillary fringe) Yes	No Depth (inches):	0	
Describe Recorded Data (stream ga	uge, monitoring well, aerial photos	s, previous inspections), if ava	ilable:
Remarks:			

		Cmasics?		Sampling Point: W-PJR-050117-07
Tree Stratum (Plot size:)	Absolute % Cover	-Species? Rel.Strat. Cover	Indicator Status	
1	0	0.0%		Number of Dominant Species That are OBL, FACW, or FAC:3 (A)
2	0	0.0%		Total Number of Descious
3		0.0%		Total Number of Dominant Species Across All Strata: 3 (B)
4		0.0%		
5	0	0.0%		Percent of dominant Species That Are ORL FACW or FAC: 100.0% (A/B)
6		0.0%		That Are OBL, FACW, or FAC:100.0% (A/B)
7	0	0.0%		Prevalence Index worksheet:
8	0	0.0%		Total % Cover of: Multiply by:
	0 -	= Total Cove	r	0BL speci es x 1 =
Sapling-Sapling/Shrub Stratum (Plot size:		0.00/		FACW species <u>85</u> x 2 = <u>170</u>
1		0.0%		FAC speci es
2		0.0%		FACU species
3		0.0%		UPL species $0 \times 5 = 0$
4		0.0%		Column Totals: 95 (A) 180 (B)
5		0.0%		Column locals (A) (C)
5		0.0%		Prevalence Index = B/A = 1.895
7		0.0%		Hydrophytic Vegetation Indicators:
8		0.0%		Rapid Test for Hydrophytic Vegetation
9		0.0%		✓ Dominance Test is > 50%
0		0.0%		✓ Prevalence Index is ≤3.0 ¹
Shrub Stratum (Plot size:)	0=	= Total Cove	r	☐ Morphological Adaptations ¹ (Provide supporting
1	0	0.0%		data in Remarks or on a separate sheet)
2	0	0.0%		Problematic Hydrophytic Vegetation ¹ (Explain)
3		0.0%		¹ Indicators of hydric soil and wetland hydrology must
4		0.0%		be present, unless disturbed or problematic.
5	0	0.0%		Definition of Vegetation Strata:
6		0.0%		Four Vegetation Strata:
7		0.0%		Tree stratum – Consists of woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH),
Herb Stratum (Plot size:)		= Total Cove	r	regardless of height.
1 _ Typha angustifolia	10	10.5%	OBL	Sapling/shrub stratum – Consists of woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.
2. Onoclea sensibilis	25	26.3%	FACW	Herb stratum – Consists of all herbaceous (non-woody) plants,
3. Agrimonia parviflora	20	21.1%	FACW	regardless of size, and all other plants less than 3.28 ft tall.
1 Impatiens capensis	15	15.8%	FACW	Woody vines – Consists of all woody vines greater than 3.28 ft
5. Leersia virginica	25	26.3%	FACW	in height.
ô	0	0.0%		Five Vegetation Strata:
7	0	0.0%		Tree - Woody plants, excluding woody vines, approximately 20
3		0.0%		ft (6 m) or more in height and 3 in. (7.6 cm) or larger in
9.	0	0.0%		diameter at breast height (DBH).
)	0	0.0%		Sapling stratum – Consists of woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and less
1	0	0.0%		than 3 in. (7.6 cm) DBH.
2.	0	0.0%		Shrub stratum – Consists of woody plants, excluding woody
	95 =	= Total Cove	-	vines, approximately 3 to 20 ft (1 to 6 m) in height.
Woody Vine Stratum (Plot size:)	0	0.0%		Herb stratum – Consists of all herbaceous (non-woody) plants, including herbaceous vines, regardless of size, and woody
1				species, except woody vines, less than approximately 3 ft (1
2		0.0%		m) in height.
3		0.0%		Woody vines – Consists of all woody vines, regardless of height.
4		0.0%		
5		0.0%		Hydrophytic
6		0.0%		Vegetation Present? Yes No
	0	= Total Cove		1 1 10001111

Profile Descr	iption: (Describe to	the depth no	eded to documen	t the indic	ator or co	nfirm the a	absence of indicators.)			
Depth	Matrix		Re	dox Featu			-			
(inches)	Color (moist)	<u>%</u>	Color (moist)	%_	Tvpe 1	Loc ²	Texture	Remarks		
0-16	10YR 5/1	90	10YR 5/4	10	C	M	Silty Clay Loam			
							-			
							-			
¹ Type: C=Cond	centration. D=Depletio	n. RM=Reduc	ed Matrix, CS=Cover	ed or Coate	ed Sand Gra	ins ² Loca	tion: PL=Pore Lining. M=Ma	atrix		
Hydric Soil I	indicators:						Indicators for Proble	ematic Hydric Soils ³ :		
Histosol (A1)		Dark Surface ((S7)						
Histic Epip	pedon (A2)		Polyvalue Belo	w Surface ((S8) (MLRA	147,148)	2 cm Muck (A10)	·		
Black Hist			Thin Dark Surf				Coast Prairie Redo (MLRA 147,148)	ox (A16)		
	Sulfide (A4)		Loamy Gleyed			•				
	Layers (A5)		✓ Depleted Matri				Piedmont Floodpl (MLRA 136, 147)	ain Soils (F19)		
	k (A10) (LRR N)		Redox Dark Su					Curfoce (TE12)		
	Below Dark Surface (A	11)	Depleted Dark		7)		Very Shallow Dark			
	k Surface (A12)	11)	Redox Depress		,,		Other (Explain in	Remarks)		
	• •		Iron-Manganes		(F12) (LBB I	M				
MLRA 147	•	1,	MLRA 136)							
Sandy Gle	eyed Matrix (S4)		Umbric Surfac				3 Indicators of	hydrophytic vegetation and		
Sandy Red	dox (S5)		Piedmont Floo	dplain Soils	(F19) (MLF	RA 148)	wetland hyd	rology must be present,		
Stripped N	Matrix (S6)		Red Parent Ma	aterial (F21)) (MLRA 127	7, 147)		sturbed or problematic.		
Restrictive La	ayer (if observed):									
Type:										
Depth (incl	hes):						Hydric Soil Present?	Yes No		
Remarks:	, -									
Kemarks.										

Project/Site: Sunnyside-Carrollton		City/County: Stark County	Sampling Date: 01-May-17
Applicant/Owner: AEP		State: OI	
Investigator(s): PJR, LCB		Section, Township, Range: S	31 T 18N R 7W
Landform (hillslope, terrace, etc.):	/alley bottom L	ocal relief (concave, convex,	none): none Slope: 1.0% / 0.6 °
Subregion (LRR or MLRA):		40.739178 Lo	ng.: -81.302775
Soil Map Unit Name: Wd		10.707170	NWI classification: PEM
Are climatic/hydrologic conditions on t	he site typical for this time of year	r? Yes • No O (If no	, explain in Remarks.)
Are Vegetation \square , Soil \square ,	or Hydrology significantly	disturbed? Are "Norma	l Circumstances" present? Yes ● No ○
Are Vegetation \square , Soil \square ,	or Hydrology	oblematic? (If needed,	explain any answers in Remarks.)
Summary of Findings - Atta	ch site map showing sa		ns, transects, important features, etc.
Hydrophytic Vegetation Present?	Yes ● No ○		
Hydric Soil Present?	Yes ● No ○	Is the Sampled Area	Yes No
Wetland Hydrology Present?	Yes ● No ○	within a Wetland?	ies C No C
Remarks:			
Hydrology			
Wetland Hydrology Indicators:			Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one			Surface Soil Cracks (B6)
✓ Surface Water (A1)	True Aquatic Plants (Sparsely Vegetated Concave Surface (B8)
High Water Table (A2)	Hydrogen Sulfide Od	• •	Drainage Patterns (B10)
✓ Saturation (A3) Water Marks (B1)		es along Living Roots (C3)	Moss Trim Lines (B16)
Sediment Deposits (B2)	Presence of Reduced Recent Iron Reduction	• •	☐ Dry Season Water Table (C2) ☐ Crayfish Burrows (C8)
Drift deposits (B3)	Thin Muck Surface (0	• •	Saturation Visible on Aerial Imagery (C9)
Algal Mat or Crust (B4)	Other (Explain in Rer	•	Stunted or Stressed Plants (D1)
☐ Iron Deposits (B5)	other (Explain in Net	marks)	✓ Geomorphic Position (D2)
☐ Inundation Visible on Aerial Imagery (B7)		Shallow Aquitard (D3)
Water-Stained Leaves (B9)			✓ Microtopographic Relief (D4)
Aquatic Fauna (B13)			FAC-neutral Test (D5)
Field Observations:	N . ()	_	
Surface Water Present? Yes O	No Depth (inches):	2	
Water Table Present? Yes •	No Depth (inches):		rology Present? Yes No
Saturation Present? (includes capillary fringe) Yes Yes	No Depth (inches):	0	Tology Present:
Describe Recorded Data (stream gaug	ge, monitoring well, aerial photos,	, previous inspections), if avai	ilable:
Remarks:			

		Dominant Species?		Sampling Point: W-PJR-050117-06
Tree Stratum (Plot size:)	Absolute % Cover		Indicator Status	
1	0	0.0%		Number of Dominant Species That are OBL, FACW, or FAC: (A)
2	0	0.0%		Total Musels on a Description
3		0.0%		Total Number of Dominant Species Across All Strata: 2 (B)
4		0.0%		
5	0	0.0%		Percent of dominant Species That Are ORL FACW or FAC: 100.0% (A/B)
6		0.0%		That Are OBL, FACW, or FAC:100.0% (A/B)
7	0	0.0%		Prevalence Index worksheet:
8	0	0.0%		Total % Cover of: Multiply by:
(Diet size)	, _ 0 =	= Total Cove	r	0BL speci es40 x 1 =40
Sapling-Sapling/Shrub Stratum (Plot size:		0.00/		FACW species
1		0.0%		FAC speci es 0 x 3 = 0
2		0.0%		FACU species $0 \times 4 = 0$
3		0.0%		UPL species $0 \times 5 = 0$
4		0.0%		Col umn Total s: 100 (A) 160 (B)
5		0.0%		Corumn rotars. 100 (A) 100
5		0.0%		Prevalence Index = B/A = 1.600
7		0.0%		Hydrophytic Vegetation Indicators:
8		0.0%		Rapid Test for Hydrophytic Vegetation
9		0.0%		✓ Dominance Test is > 50%
0		0.0%		✓ Prevalence Index is ≤3.0 ¹
Shrub Stratum (Plot size:)	0=	= Total Cove	r	☐ Morphological Adaptations ¹ (Provide supporting
1	0	0.0%		data in Remarks or on a separate sheet)
2	0	0.0%		Problematic Hydrophytic Vegetation ¹ (Explain)
3		0.0%		¹ Indicators of hydric soil and wetland hydrology must
4		0.0%		be present, unless disturbed or problematic.
5	0	0.0%		Definition of Vegetation Strata:
6		0.0%		Four Vegetation Strata:
7		0.0%		Tree stratum – Consists of woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH),
Herb Stratum (Plot size:)		= Total Cove	r	regardless of height.
1. Typha angustifolia	5	5.0%	OBL	Sapling/shrub stratum – Consists of woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.
2. Impatiens capensis	45	45.0%	FACW	Herb stratum – Consists of all herbaceous (non-woody) plants,
3. Carex vulpinoidea	35	✓ 35.0%	OBL	regardless of size, and all other plants less than 3.28 ft tall.
4. Onoclea sensibilis	10	10.0%_	FACW	Woody vines – Consists of all woody vines greater than 3.28 ft in height.
5. Eupatorium perfoliatum	5	5.0%	FACW	in neight.
6	0	0.0%		Five Vegetation Strata:
7	0	0.0%		Tree - Woody plants, excluding woody vines, approximately 20
3		0.0%		ft (6 m) or more in height and 3 in. (7.6 cm) or larger in
9	0	0.0%		diameter at breast height (DBH).
0	0	0.0%		Sapling stratum – Consists of woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and less
1		0.0%		than 3 in. (7.6 cm) DBH.
2.	0	0.0%		Shrub stratum – Consists of woody plants, excluding woody
Woody Vine Stratum (Plot size:)	100 =	= Total Cove	r	vines, approximately 3 to 20 ft (1 to 6 m) in height. Herb stratum – Consists of all herbaceous (non-woody) plants,
	0	0.0%		including herbaceous vines, regardless of size, and woody
1		0.0%		species, except woody vines, less than approximately 3 ft (1 m) in height.
2 3	0	0.0%		Woody vines – Consists of all woody vines, regardless of
		0.0%		height.
4		0.0%		
5	0			Hydrophytic
6				Vegetation Present? Yes No

Profile Descr	iption: (Describe to	the depth n	eeded to document	the indic	ator or co	nfirm the a	bsence of indicators.)			
Depth	Matrix		Re	dox Featu	res		-			
(inches)	Color (moist)	<u>%</u>	Color (moist)	%	Type	Loc ²	Texture	Remarks		
0-16	10YR 4/2	90	10YR 5/3	10	C	M	Clay Loam			
			-				-			
							-			
							-			
¹ Type: C=Cond	centration. D=Depletio	n. RM=Reduc	ed Matrix, CS=Cover	ed or Coate	d Sand Gra	ins ² Loca	tion: PL=Pore Lining. M=Ma	atrix		
Hydric Soil I	indicators:						Indicators for Proble	matic Hydric Soils ³ :		
Histosol (A1)		Dark Surface (S7)			2 cm Muck (A10)			
Histic Epip	pedon (A2)		Polyvalue Belo	w Surface (S8) (MLRA	147,148)		·		
Black Hist			Thin Dark Surf				Coast Prairie Redo (MLRA 147,148)	x (A16)		
Hydrogen	Sulfide (A4)		Loamy Gleyed					sin Coile (F10)		
Stratified	Layers (A5)		✓ Depleted Matri				Piedmont Floodpla (MLRA 136, 147)	ain Soils (F19)		
2 cm Mucl	k (A10) (LRR N)		Redox Dark Su				Very Shallow Dark	Surface (TF12)		
	Below Dark Surface (A	11)	Depleted Dark	Surface (F	7)					
	k Surface (A12)	,	Redox Depress		,		Other (Explain in I	Remarks)		
	ck Mineral (S1) (LRR N	ı	Iron-Manganes		F12) (LRR I	N.				
MLRA 147	7, 148)	,	MLRA 136)							
	eyed Matrix (S4)		Umbric Surface				3 Indicators of I	nydrophytic vegetation and		
Sandy Red			☐ Piedmont Floo	dplain Soils	(F19) (MLF	RA 148)	wetland hyd	rology must be present,		
Stripped M	Matrix (S6)		Red Parent Ma	iterial (F21)	(MLRA 12	7, 147)	unless dis	turbed or problematic.		
Restrictive La	ayer (if observed):									
Type:										
Depth (incl	hes):						Hydric Soil Present?	Yes ● No ○		
Remarks:	, -									
Kemarks.										

Project/Site: Sunnyside-Carrollton		City/County: Stark County	Sampling Date: 01-May-17
Applicant/Owner: AEP		State: 0	
Investigator(s): PJR, LCB		Section, Township, Range: S	S 30 T 18N R 7W
Landform (hillslope, terrace, etc.):	Valley bottom	Local relief (concave, convex,	none): _concave
Subregion (LRR or MLRA):		40.743830 Lo	ng.: -81.308901
Soil Map Unit Name: Fph4F1	Lucii	40.743030	NWI classification: N/A
Are climatic/hydrologic conditions or	n the site typical for this time of ye	ar? Yes • No O (If no	o, explain in Remarks.)
Are Vegetation , Soil			al Circumstances" present? Yes No
		-	опсынального рессия
Are Vegetation	or Hydrology	(explain any answers in Remarks.) ns, transects, important features, etc.
Hydrophytic Vegetation Present?	Yes No		
Hydric Soil Present?	Yes ● No ○	Is the Sampled Area	
Wetland Hydrology Present?	Yes No	within a Wetland?	Yes ● No ○
Remarks:	100 - 110 -		
PEM wetland			
Hydrology			
Wetland Hydrology Indicators:			_Secondary Indicators (minimum of two required)
Primary Indicators (minimum of or			Surface Soil Cracks (B6)
Surface Water (A1)	True Aquatic Plants		Sparsely Vegetated Concave Surface (B8)
High Water Table (A2)	Hydrogen Sulfide O	• •	Drainage Patterns (B10)
Saturation (A3) Water Marks (B1)		res along Living Roots (C3)	Moss Trim Lines (B16)
Sediment Deposits (B2)	Presence of Reduce	ion in Tilled Soils (C6)	☐ Dry Season Water Table (C2) ☐ Crayfish Burrows (C8)
Drift deposits (B3)	Thin Muck Surface	• •	Saturation Visible on Aerial Imagery (C9)
Algal Mat or Crust (B4)	Other (Explain in Re	• •	Stunted or Stressed Plants (D1)
☐ Iron Deposits (B5)	Other (Explain in Re	erriar K3)	Geomorphic Position (D2)
Inundation Visible on Aerial Imager	y (B7)		Shallow Aquitard (D3)
Water-Stained Leaves (B9)			✓ Microtopographic Relief (D4)
Aquatic Fauna (B13)			FAC-neutral Test (D5)
Field Observations:			
Surface Water Present? Yes ©		2	
Water Table Present? Yes	No Depth (inches):		drology Present? Yes No
Saturation Present? (includes capillary fringe) Yes	No Depth (inches):	0	prology Present? Tes C NO C
Describe Recorded Data (stream ga	auge, monitoring well, aerial photos	s, previous inspections), if ava	ilable:
Remarks:			
			,

		Consider		Sampling Point: W-PJR-050117-05
Tree Stratum (Plot size:)	Absolute % Cover	-Species? Rel.Strat. Cover	Indicator Status	
1	0	0.0%_		Number of Dominant Species That are OBL, FACW, or FAC: (A)
2	0	0.0%		Total Number of Dominant
3	0	0.0%		Species Across All Strata: 2 (B)
4		0.0%		
5		0.0%		Percent of dominant Species That Are OBL_FACW_or_FAC: 100.0% (A/B)
6		0.0%		That Are OBL, FACW, or FAC: 100.0% (A/B)
7	0	0.0%		Prevalence Index worksheet:
8	0	0.0%		Total % Cover of: Multiply by:
Sapling-Sapling/Shrub Stratum (Plot size:	,0 =	= Total Cove	r	0BL speci es 0 x 1 = 0
	_	0.0%		FACW species 35 x 2 = 70
1 2		0.0%		FAC speci es x 3 = 60
Z		0.0%		FACU species $0 \times 4 = 0$
		0.0%		UPL species $0 \times 5 = 0$
4		0.0%		Column Totals: 55 (A) 130 (B)
5		0.0%		
6 7		0.0%		Prevalence Index = B/A = 2.364
		0.0%		Hydrophytic Vegetation Indicators:
8 9.		0.0%		Rapid Test for Hydrophytic Vegetation
		0.0%		Dominance Test is > 50%
0	0	= Total Cove		V Prevalence Index is ≤3.0 ¹
Shrub Stratum (Plot size:)			r	Morphological Adaptations ¹ (Provide supporting
1		0.0%		data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation ¹ (Explain)
2	0			
3				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
4				
5				Definition of Vegetation Strata:
6	0			Four Vegetation Strata:
7	0	0.0%		Tree stratum – Consists of woody plants, excluding vines, 3 in (7.6 cm) or more in diameter at breast height (DBH),
Herb Stratum (Plot size:)	0=	= Total Cove	r	regardless of height.
1. Impatiens capensis	30	✓ 54.5%	FACW	Sapling/shrub stratum – Consists of woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.
2. Dichanthelium clandestinum	20	✓ 36.4%	FAC	Herb stratum – Consists of all herbaceous (non-woody) plants
3. Eupatorium perfoliatum	5	9.1%	FACW	regardless of size, and all other plants less than 3.28 ft tall.
4	0	0.0%		Woody vines – Consists of all woody vines greater than 3.28 f in height.
5	0	0.0%		in noight.
6	0	0.0%		Five Vegetation Strata:
7	0	0.0%		Tree - Woody plants, excluding woody vines, approximately 2
8	0	0.0%		ft (6 m) or more in height and 3 in. (7.6 cm) or larger in
9	0	0.0%		diameter at breast height (DBH). Sapling stratum – Consists of woody plants, excluding woody
0	0	0.0%		vines, approximately 20 ft (6 m) or more in height and less
1	0	0.0%		than 3 in. (7.6 cm) DBH.
2	0	0.0%		Shrub stratum – Consists of woody plants, excluding woody vines, approximately 3 to 20 ft (1 to 6 m) in height.
Woody Vine Stratum (Plot size:)	55=	= Total Cove	r	Herb stratum – Consists of all herbaceous (non-woody) plant:
1	0	0.0%		including herbaceous vines, regardless of size, and woody
2.	0	0.0%		species, except woody vines, less than approximately 3 ft (1 m) in height.
3.	0	0.0%		Woody vines – Consists of all woody vines, regardless of
4	0	0.0%		height.
 5		0.0%		
		0.0%		Hydrophytic Vegetation
6				Present? Yes No
	0	= Total Cove	er e	11000

Profile Descr	iption: (Describe to	the depth n	eeded to document	the indic	ator or co	nfirm the a	absence of indicators.)	
Depth	Matrix		Re	dox Featu				
(inches)	Color (moist)	<u>%</u>	Color (moist)	<u>%</u>	Tvpe 1	Loc ²	Texture	Remarks
0-16	10YR 4/1	90	10YR _ 6/6	10	C	M	Silty Clay Loam	
							-	
				-				
¹ Type: C=Con	centration. D=Depletio	n. RM=Reduc	ed Matrix, CS=Cover	ed or Coate	d Sand Gra	ins ² Loca	tion: PL=Pore Lining. M=Mat	rix
Hydric Soil 1	Indicators:						Indicators for Problem	matic Hydric Soils ³ :
Histosol (A1)		Dark Surface (S7)				
Histic Epi	pedon (A2)		Polyvalue Belo	w Surface (S8) (MLRA	147,148)	2 cm Muck (A10) (,
Black Hist			Thin Dark Surf				Coast Prairie Redox (MLRA 147,148)	(A16)
	Sulfide (A4)		Loamy Gleyed					0 11 (540)
	Layers (A5)		✓ Depleted Matri				Piedmont Floodplai (MLRA 136, 147)	n Soils (F19)
	k (A10) (LRR N)		Redox Dark Su					Curface (TF12)
	Below Dark Surface (A	11)	Depleted Dark		7)		Very Shallow Dark	
	k Surface (A12)	11)	Redox Depress		,		Other (Explain in R	emarks)
	, ,		☐ Iron-Manganes		F12) (LRR I	J		
MLRA 147		,	MLRA 136)					
Sandy Gle	eyed Matrix (S4)		Umbric Surface				3 Indicators of b	ydrophytic vegetation and
Sandy Re	dox (S5)		Piedmont Floo	dplain Soils	(F19) (MLF	RA 148)	wetland hydr	ology must be present,
Stripped I	Matrix (S6)		Red Parent Ma	terial (F21)	(MLRA 127	⁷ , 147)		urbed or problematic.
Restrictive L	ayer (if observed):							
Type:								
Depth (inc	hes):						Hydric Soil Present?	Yes ● No ○
Remarks:	, ,							
Remarks.								

Project/Site: Sunnyside-Carrollton		City/County: Stark County	Sampling Date: 01-May-17
Applicant/Owner: AEP		State: 0	
Investigator(s): PJR, LCB		Section, Township, Range: S	7 30 7 18N R 7W
Landform (hillslope, terrace, etc.):	Depression	Local relief (concave, convex,	none): convex Slope:/
Subregion (LRR or MLRA):	Lat.:	40.746464 Lo	ng.: -81.312701
Soil Map Unit Name: MsD		10.710101	NWI classification: N/A
Are climatic/hydrologic conditions or	n the site typical for this time of yea	ar? Yes • No O (If no	o, explain in Remarks.)
Are Vegetation, Soil		•	Il Circumstances" present? Yes No
Are Vegetation , Soil	, or Hydrology naturally pr		explain any answers in Remarks.)
Summary of Findings - At	tach site map showing sa		ns, transects, important features, etc.
Hydrophytic Vegetation Present?	Yes ● No ○		
Hydric Soil Present?	Yes No	Is the Sampled Area	Yes ● No ○
Wetland Hydrology Present?	Yes No	within a Wetland?	ies o No o
Remarks: PEM wetland			
Hydrology			
Wetland Hydrology Indicators:			Secondary Indicators (minimum of two required)
Primary Indicators (minimum of or			Surface Soil Cracks (B6)
Surface Water (A1)	True Aquatic Plants		Sparsely Vegetated Concave Surface (B8)
High Water Table (A2)	Hydrogen Sulfide O	, ,	✓ Drainage Patterns (B10)
Saturation (A3)		res along Living Roots (C3)	Moss Trim Lines (B16)
Water Marks (B1) Sediment Deposits (B2)	Presence of Reduce	• •	Dry Season Water Table (C2)
Drift deposits (B3)		ion in Tilled Soils (C6)	Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9)
Algal Mat or Crust (B4)	Thin Muck Surface	• •	Stunted or Stressed Plants (D1)
Iron Deposits (B5)	Other (Explain in Re	emarks)	Geomorphic Position (D2)
Inundation Visible on Aerial Imager	v (B7)		Shallow Aquitard (D3)
Water-Stained Leaves (B9)			✓ Microtopographic Relief (D4)
Aquatic Fauna (B13)			FAC-neutral Test (D5)
Field Observations:			
Surface Water Present? Yes •		4	
Water Table Present? Yes •	No Depth (inches):		
Saturation Present? (includes capillary fringe) Yes	No Depth (inches):	Wetland Hyd	Irology Present? Yes No
Describe Recorded Data (stream ga	auge, monitoring well, aerial photos	s, previous inspections), if ava	ilable:
Remarks:			

		Cmasias?		Sampling Point: W-PJR-050117-04
Tree Stratum (Plot size:)	Absolute % Cover		dicator itus	
1	0	0.0%		Number of Dominant Species That are OBL, FACW, or FAC:1 (A)
2	0	0.0%		Total Number of Deminent
3		0.0%		Total Number of Dominant Species Across All Strata: 1 (B)
4		0.0%		
5	0	0.0%		Percent of dominant Species That Are OBL FACW or FAC: 100.0% (A/B)
6		0.0%		That Are OBL, FACW, or FAC:100.0% (A/B)
7	0	0.0%		Prevalence Index worksheet:
8	0	0.0%		Total % Cover of: Multiply by:
Sapling-Sapling/Shrub Stratum (Plot size:	0 -	= Total Cover		0BL speci es65 x 1 =65
	_	0.0%		FACW species
1		0.0%		FAC speci es 0 x 3 = 0
2		0.0%		FACU species 0 x 4 = 0
3				UPL species $0 \times 5 = 0$
4		0.0%		Column Totals:75 (A)85 (B)
5		0.0%		Cordini Total's. 75 (A) 85
5		0.0%		Prevalence Index = B/A = 1.133
7		0.0%		Hydrophytic Vegetation Indicators:
3				✓ Rapid Test for Hydrophytic Vegetation
9				✓ Dominance Test is > 50%
O		0.0%		✓ Prevalence Index is ≤3.0 ¹
Shrub Stratum (Plot size:)		= Total Cover		Morphological Adaptations ¹ (Provide supporting
1	0	0.0%		data in Remarks or on a separate sheet)
2.	0	0.0%		Problematic Hydrophytic Vegetation ¹ (Explain)
3.		0.0%		¹ Indicators of hydric soil and wetland hydrology must
4		0.0%		be present, unless disturbed or problematic.
5		0.0%		Definition of Vegetation Strata:
5		0.0%		Four Vegetation Strata:
7		0.0%		Tree stratum – Consists of woody plants, excluding vines, 3 in.
Herb Stratum (Plot size:)		= Total Cover		(7.6 cm) or more in diameter at breast height (DBH), regardless of height.
	5	5.6% O	3L	Sapling/shrub stratum – Consists of woody plants, excluding
1. Typha angustifolia	10		ACW	vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.
2. Phalaris arundinacea	60		BL	Herb stratum – Consists of all herbaceous (non-woody) plants, regardless of size, and all other plants less than 3.28 ft tall.
3. Persicaria sagittata		16.7%	JL	Woody vines – Consists of all woody vines greater than 3.28 ft
1	0	0.0%		in height.
5		0.0%		
ò		0.0%		Five Vegetation Strata:
7	0	0.0%		Tree - Woody plants, excluding woody vines, approximately 20
3				ft (6 m) or more in height and 3 in. (7.6 cm) or larger in diameter at breast height (DBH).
9		0.0%		Sapling stratum – Consists of woody plants, excluding woody
)		0.0%		vines, approximately 20 ft (6 m) or more in height and less
1	0	0.0%		than 3 in. (7.6 cm) DBH. Shrub stratum – Consists of woody plants, excluding woody
<u>2</u>	0			vines, approximately 3 to 20 ft (1 to 6 m) in height.
Woody Vine Stratum (Plot size:)	90 =	= Total Cover		Herb stratum - Consists of all herbaceous (non-woody) plants,
1	0	0.0%		including herbaceous vines, regardless of size, and woody species, except woody vines, less than approximately 3 ft (1
2	0	0.0%		m) in height.
3.	0	0.0%		Woody vines – Consists of all woody vines, regardless of
4.	0	0.0%		height.
5		0.0%		Hadanakara.
5. 5.	0	0.0%		Hydrophytic Vegetation
y		= Total Cover		Present? Yes No

		the depth i				nfirm the a	absence of indicators.)	
Depth (inches)	Matrix	0/-		lox Featu	Tvpe 1	Loc ²	Taxtura	Domonko
(inches) 0-16	Color (moist) 7.5YR 4/1	 95	Color (moist) 5YR 5/4	% 5	C	M	Texture Silt Loam	Remarks
	7.5110 471		JIK 3/4				- Siit Loairi	
	-							
							•	
	-							
	-							
1 Type: C=Con	centration D=Depletio	n RM=Redu	ced Matrix CS=Covere	d or Coate	d Sand Gra	ins 2loca	tion: PL=Pore Lining. M=M	atrix
Hydric Soil 1		II. KWEKCUU	idea Matrix, 05-00ver	01 00010	a Sana Gra	1113 LOCA		
Histosol (Dark Surface (S7)				ematic Hydric Soils ³ :
	pedon (A2)		Polyvalue Belov		S8) (MLRA	147,148)	2 cm Muck (A10)	(MLRA 147)
Black Hist			Thin Dark Surfa				Coast Prairie Red	ox (A16)
	Sulfide (A4)		Loamy Gleyed			,	(MLRA 147,148)	
Stratified	Layers (A5)		✓ Depleted Matrix				Piedmont Floodp (MLRA 136, 147)	
2 cm Muc	k (A10) (LRR N)		Redox Dark Su	face (F6)			Very Shallow Dar	k Surface (TF12)
Depleted	Below Dark Surface (A	11)	Depleted Dark	Surface (F	7)		Other (Explain in	
Thick Dar	k Surface (A12)		Redox Depress	ions (F8)				•
Sandy Mu MLRA 147	uck Mineral (S1) (LRR N 7, 148)	1,	Iron-Manganes MLRA 136)	e Masses (F12) (LRR I	٧,		
Sandy Gle	eyed Matrix (S4)		Umbric Surface	(F13) (ML	.RA 136, 12	2)	2	
Sandy Re	dox (S5)		Piedmont Floor	dplain Soils	(F19) (MLF	RA 148)	Indicators of wetland hy	hydrophytic vegetation and drology must be present,
Stripped I	Matrix (S6)		Red Parent Ma	terial (F21)	(MLRA 12	7, 147)	unless di	sturbed or problematic.
Restrictive L	ayer (if observed):							
	ayer (ii observeu).							
Depth (inc							Hydric Soil Present?	Yes No
Remarks:	, ,							
Tronnantor								

Project/Site: Sunnyside-Carrollton		City/County: Stark County	Sampling Date: 01-May-17
Applicant/Owner: AEP		State: O	
Investigator(s): PJR, LCB		Section, Township, Range: S	S 25 T 10N R 8W
Landform (hillslope, terrace, etc.):	Depression	Local relief (concave, convex,	none): concave Slope: 3.0% / 1.7 °
Subregion (LRR or MLRA):	· · · · · · · · · · · · · · · · · · ·	40.752514 Lo	ng.: -81.320313
Soil Map Unit Name: LaD		40.702014	NWI classification: N/A
Are climatic/hydrologic conditions or	the site typical for this time of ye:	ar? Yes • No O (If no	o, explain in Remarks.)
Are Vegetation, Soil		•	Il Circumstances" present? Yes No
			Processia
, – , –		,	explain any answers in Remarks.) ns, transects, important features, etc.
Hydrophytic Vegetation Present?	Yes No		
Hydric Soil Present?	Yes ● No ○	Is the Sampled Area	
Wetland Hydrology Present?	Yes ● No ○	within a Wetland?	Yes ● No ○
Remarks:			
PEM wetland			
Hydrology			
Wetland Hydrology Indicators:			Secondary Indicators (minimum of two required)
Primary Indicators (minimum of on	e required; check all that apply)		Surface Soil Cracks (B6)
Surface Water (A1)	True Aquatic Plants		Sparsely Vegetated Concave Surface (B8)
✓ High Water Table (A2)	Hydrogen Sulfide O	, ,	✓ Drainage Patterns (B10)
Saturation (A3)		res along Living Roots (C3)	Moss Trim Lines (B16)
Water Marks (B1) Sediment Deposits (B2)	Presence of Reduce	d Iron (C4) ion in Tilled Soils (C6)	Dry Season Water Table (C2) Crayfish Burrows (C8)
Drift deposits (B3)	Thin Muck Surface (• •	Saturation Visible on Aerial Imagery (C9)
Algal Mat or Crust (B4)	Other (Explain in Re	• •	Stunted or Stressed Plants (D1)
Iron Deposits (B5)	Other (Explain in Re	marks)	Geomorphic Position (D2)
Inundation Visible on Aerial Imagery	y (B7)		Shallow Aquitard (D3)
Water-Stained Leaves (B9)			✓ Microtopographic Relief (D4)
Aquatic Fauna (B13)			FAC-neutral Test (D5)
Field Observations: Surface Water Present? Yes	No Depth (inches):		
Water Table Present? Yes Yes		1Wetland Hyd	Irology Present? Yes No
Saturation Present? (includes capillary fringe) Yes Yes	No Depth (inches):		Hology Present: 103 © 110 ©
Describe Recorded Data (stream ga	uge, monitoring well, aerial photos	s, previous inspections), if ava	ilable:
Remarks:			

		Domina		Sampling Point: W-PJR-050117-03
Tree Stratum (Plot size:)	Absolute % Cover	-Species Rel.Stra Cover		
 1	0	0.0	%	Number of Dominant Species That are OBL, FACW, or FAC: 1 (A)
2.	0	0.0	%	
8		0.0	%	Total Number of Dominant Species Across All Strata: 1 (B)
		0.0	%	eposico risroso riii estata:
		0.0	%	Percent of dominant Species
		0.0	%	That Are OBL, FACW, or FAC:100.0% (A/B)
		0.0	 %	Prevalence Index worksheet:
		0.0	%	Total % Cover of: Multiply by:
	0 -	= Total C	over	OBL species 0 x 1 = 0
apling-Sapling/Shrub Stratum (Plot size:)			FACW species x 2 =150
		0.0	%	FAC species 0 x 3 = 0
		0.0	%	_ '
	0	0.0	%	_
	0		%	or L species
	0	0.0	%	Column Totals: <u>75</u> (A) <u>150</u> (B)
	0	0.0	%	Prevalence Index = B/A = 2.000
•	0	0.0	%	Hydrophytic Vegetation Indicators:
		0.0	%	
)		0.0	%	✓ Dominance Test is > 50%
)		0.0	%	Prevalence Index is ≤3.0 ¹
		= Total C	over	
hrub Stratum (Plot size:)	0	0.0	%	Morphological Adaptations 1 (Provide supporting data in Remarks or on a separate sheet)
		0.0		Problematic Hydrophytic Vegetation ¹ (Explain)
		0.0		-
		0.0		Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
·				Definition of Vegetation Strata:
·		0.0		Four Vegetation Strata:
)				Tree stratum – Consists of woody plants, excluding vines, 3 in
7		0.0		(7.6 cm) or more in diameter at breast height (DBH),
lerb Stratum (Plot size:)	=	= Total C	over	regardless of height.
Phalaris arundinacea	10	13.3	8% FACW	Sapling/shrub stratum – Consists of woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.
Impatiens capensis	65	86.7	7% FACW	Herb stratum – Consists of all herbaceous (non-woody) plants
8	0	0.0	%	regardless of size, and all other plants less than 3.28 ft tall.
·	0	0.0	%	Woody vines – Consists of all woody vines greater than 3.28 ft
	0	0.0	%	in height.
i		0.0	%	Five Vegetation Strata:
•	0	0.0	%	_
	0	0.0	%	Tree - Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and 3 in. (7.6 cm) or larger in
	0	0.0	%	diameter at breast height (DBH).
		0.0	 %	Sapling stratum – Consists of woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and less
		0.0	 %	than 3 in. (7.6 cm) DBH.
	0	0.0		Shrub stratum – Consists of woody plants, excluding woody
		= Total C		vines, approximately 3 to 20 ft (1 to 6 m) in height.
Voody Vine Stratum (Plot size:)				Herb stratum – Consists of all herbaceous (non-woody) plants including herbaceous vines, regardless of size, and woody
		0.0	<u>%</u>	species, except woody vines, less than approximately 3 ft (1
		0.0	%	m) in height.
		0.0	%	Woody vines – Consists of all woody vines, regardless of
		0.0	%	height.
	0	0.0	%	Hydrophytic
)	0	0.0	%	Vogetation
		= Total C		Present? Yes No

Profile Descr	iption: (Describe to	the depth n	eeded to document	the indic	ator or co	nfirm the a	bsence of indicators.)	
Depth	Matrix		Re	dox Featu	res			
(inches)	Color (moist)	<u>%</u>	Color (moist)	%	Type	Loc ²	Texture	Remarks
0-16	10YR 5/1	90	10YR 5/6	10	C	M	Clay Loam	
			-					
							-	
¹ Type: C=Cond	centration. D=Depletio	n. RM=Reduc	ed Matrix, CS=Cover	ed or Coate	d Sand Gra	ins ² Loca	tion: PL=Pore Lining. M=Ma	atrix
Hydric Soil I	indicators:						Indicators for Proble	ematic Hydric Soils ³ :
Histosol (A1)		Dark Surface (S7)			2 cm Muck (A10)	
Histic Epip	pedon (A2)		Polyvalue Belo	w Surface (S8) (MLRA	147,148)		,
Black Hist			Thin Dark Surf				Coast Prairie Redo (MLRA 147,148)	ox (A16)
Hydrogen	Sulfide (A4)		Loamy Gleyed	Matrix (F2)				Soile (F10)
Stratified	Layers (A5)		✓ Depleted Matri				Piedmont Floodpla (MLRA 136, 147)	ain Solis (F19)
2 cm Mucl	k (A10) (LRR N)		Redox Dark Su				Very Shallow Dark	Surface (TE12)
	Below Dark Surface (A	11)	Depleted Dark	Surface (F	7)			
	k Surface (A12)	,	Redox Depress		,		Other (Explain in	Remarks)
	ck Mineral (S1) (LRR N	ı	☐ Iron-Manganes		F12) (LRR I	N.		
MLRA 147	7, 148)	l,	MLRA 136)					
	eyed Matrix (S4)		Umbric Surface				3 Indicators of I	nydrophytic vegetation and
Sandy Red			☐ Piedmont Floo	dplain Soils	(F19) (MLF	RA 148)	wetland hyd	rology must be present,
Stripped N	Matrix (S6)		Red Parent Ma	iterial (F21)	(MLRA 12	7, 147)		turbed or problematic.
Restrictive La	ayer (if observed):							
Type:								
Depth (incl	hes):						Hydric Soil Present?	Yes ● No ○
Remarks:								
romano.								

Project/Site: Sunnyside-Carrollton		City/County: Stark County	Sampling Date: 01-May-17
Applicant/Owner: AEP		State: O	
Investigator(s): PJR, LCB		Section, Township, Range: S	T 10N R 8W
Landform (hillslope, terrace, etc.):	Depression	Local relief (concave, convex,	none): concave Slope: 0.0% / 0.0 °
Subregion (LRR or MLRA):	· ·	40.757104 Lo	ng.: -81.325307
Soil Map Unit Name: FcB		40.737104	NWI classification: N/A
Are climatic/hydrologic conditions or	n the site typical for this time of yea	ar? Yes • No O (If no	o, explain in Remarks.)
Are Vegetation, Soil		•	Il Circumstances" present? Yes No
Are Vegetation, Soil	, or Hydrology naturally pr		explain any answers in Remarks.)
Summary of Findings - At	tach site map showing sa		ns, transects, important features, etc.
Hydrophytic Vegetation Present?	Yes No		
Hydric Soil Present?	Yes No	Is the Sampled Area	Yes ● No ○
Wetland Hydrology Present?	Yes ● No ○	within a Wetland?	ies o No o
Remarks: PEM wetland			
Hydrology			
Wetland Hydrology Indicators:			Secondary Indicators (minimum of two required)
Primary Indicators (minimum of or			Surface Soil Cracks (B6)
Surface Water (A1)	True Aquatic Plants		Sparsely Vegetated Concave Surface (B8)
High Water Table (A2)	Hydrogen Sulfide O	, ,	✓ Drainage Patterns (B10)
Saturation (A3)		res along Living Roots (C3)	Moss Trim Lines (B16)
Water Marks (B1) Sediment Deposits (B2)	Presence of Reduce	• •	Dry Season Water Table (C2)
Drift deposits (B3)		ion in Tilled Soils (C6)	Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9)
Algal Mat or Crust (B4)	☐ Thin Muck Surface (• •	Stunted or Stressed Plants (D1)
Iron Deposits (B5)	Other (Explain in Re	emarks)	Geomorphic Position (D2)
Inundation Visible on Aerial Imager	v (B7)		Shallow Aquitard (D3)
Water-Stained Leaves (B9)			✓ Microtopographic Relief (D4)
Aquatic Fauna (B13)			FAC-neutral Test (D5)
Field Observations:			
Surface Water Present? Yes		3	
Water Table Present? Yes	No Depth (inches):		Irology Present? Yes No
Saturation Present? (includes capillary fringe) Yes	No Depth (inches):	Wetland Hyd	Irology Present? Yes ● No ○
Describe Recorded Data (stream ga	auge, monitoring well, aerial photos	s, previous inspections), if ava	ilable:
_			
Remarks:			

			Sampling Point: W-PJR-050117-02
Tree Stratum (Plot size:)	Absolute % Cover		
1	0		Number of Dominant Species That are OBL, FACW, or FAC: 2 (A)
2	0	0.0%	Total Number of Deminant
3		0.0%	Total Number of Dominant Species Across All Strata: 2 (B)
4		0.0%	_
5	0	0.0%	Percent of dominant Species That Are OBL_FACW_or_FAC: 100.0% (A/B)
6		0.0%	That Are OBL, FACW, or FAC: 100.0% (A/B)
7	0	0.0%	Prevalence Index worksheet:
8	0	0.0%	Total % Cover of: Multiply by:
Sapling-Sapling/Shrub Stratum (Plot size:	0 -	= Total Cover	0BL speci es <u>55</u> x 1 = <u>55</u>
		0.0%	FACW species 30 x 2 = 60
1 2		0.0%	FAC speci es
		0.0%	FACU species
3		0.0%	UPL species $0 \times 5 = 0$
4		0.0%	
5		0.0%	
6		0.0%	Prevalence Index = B/A = 1.750
7			Hydrophytic Vegetation Indicators:
8		0.0%	Rapid Test for Hydrophytic Vegetation
9		0.0%	─ Dominance Test is > 50%
0			Prevalence Index is ≤3.0 1
Shrub Stratum (Plot size:)		= Total Cover	☐ Morphological Adaptations ¹ (Provide supporting
1	0	0.0%	data in Remarks or on a separate sheet)
2	0	0.0%	Problematic Hydrophytic Vegetation ¹ (Explain)
3		0.0%	Indicators of hydric soil and wetland hydrology must
4		0.0%	be present, unless disturbed or problematic.
5	0	0.0%	Definition of Vegetation Strata:
6		0.0%	Four Vegetation Strata:
7		0.0%	Tree stratum – Consists of woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH),
Herb Stratum (Plot size:)		= Total Cover	regardless of height.
1. Leersia oryzoides	55	✓ 55.0% OBL	Sapling/shrub stratum – Consists of woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.
2. Lysimachia nummularia	30	✓ 30.0% FACW	Herb stratum – Consists of all herbaceous (non-woody) plants,
3. Festuca arundinacea	 15	15.0% FACU	regardless of size, and all other plants less than 3.28 ft tall.
4	0	0.0%	Woody vines – Consists of all woody vines greater than 3.28 ft
5	0	0.0%	in height.
6.	0	0.0%	Five Vegetation Strate:
7	0	0.0%	Five Vegetation Strata:
8.		0.0%	Tree - Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and 3 in. (7.6 cm) or larger in
9.		0.0%	diameter at breast height (DBH).
D		0.0%	Sapling stratum – Consists of woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and less
J		0.0%	than 3 in. (7.6 cm) DBH.
2.		0.0%	Shrub stratum – Consists of woody plants, excluding woody
		= Total Cover	vines, approximately 3 to 20 ft (1 to 6 m) in height.
Woody Vine Stratum (Plot size:)			Herb stratum – Consists of all herbaceous (non-woody) plants, including herbaceous vines, regardless of size, and woody
1	0		species, except woody vines, less than approximately 3 ft (1
2		0.0%	m) in height.
3		0.0%	Woody vines – Consists of all woody vines, regardless of height.
4		0.0%	- Indigniti
5	0	0.0%	Hydrophytic
6	0	0.0%	_ Vegetation
	0	= Total Cover	Present? Yes Vo V

Profile Descr	iption: (Describe to	o the depth	needed to docume	ent the indi	cator or co	nfirm the	absence of indicators.)	
Depth	Matrix			Redox Feat				
(inches)	Color (moist)	%	Color (moist)		Tvpe 1	Loc2	Texture	Remarks
0-3	10YR 4/2	90	10YR 5/6	10	C	M	Silty Clay Loam	
3-16	10YR 5/2	85	10YR 5/6	15	C	M	Silty Clay Loam	
-								
							-	
¹ Type: C=Cond	centration. D=Depleti	ion. RM=Red	uced Matrix, CS=Cov	ered or Coat	ed Sand Gra	ins ² Loca	ation: PL=Pore Lining. M=Ma	atrix
Hydric Soil I	Indicators:						Indicators for Proble	ematic Hydric Soils ³ :
Histosol (A1)		Dark Surfac	e (S7)				-
Histic Epip	pedon (A2)		Polyvalue B	elow Surface	(S8) (MLRA	147,148)	2 cm Muck (A10)	
☐ Black Hist	tic (A3)			urface (S9) (I			Coast Prairie Redo (MLRA 147,148)	ox (A16)
Hydrogen	Sulfide (A4)		Loamy Gley	ed Matrix (F2	2)		Piedmont Floodpla	ain Soils (F19)
Stratified	Layers (A5)		✓ Depleted Ma	atrix (F3)			(MLRA 136, 147)	3013 (117)
2 cm Mucl	k (A10) (LRR N)		Redox Dark	Surface (F6)			Very Shallow Dark	Surface (TF12)
Depleted	Below Dark Surface (A11)		ırk Surface (F	7)		Other (Explain in	Remarks)
☐ Thick Dar	k Surface (A12)			essions (F8)				
Sandy Mu MLRA 147	ıck Mineral (S1) (LRR 7, 148)	N,	☐ Iron-Manga MLRA 136)	nese Masses	(F12) (LRR I	N,		
Sandy Gle	eyed Matrix (S4)		Umbric Surf	ace (F13) (M	LRA 136, 12	22)	2	
Sandy Red			Piedmont Fl	oodplain Soil	s (F19) (MLF	RA 148)	³ Indicators of I	nydrophytic vegetation and rology must be present,
Stripped N	Matrix (S6)		Red Parent	Material (F21) (MLRA 12	7, 147)		sturbed or problematic.
Restrictive La	ayer (if observed):							
Type:	., (0550.104).							
Depth (incl	hes):						Hydric Soil Present?	Yes No
Remarks:								

Project/Site: Sunnyside-Carrollton		City/County: Stark County	Sampling Date: 01-May-17
Applicant/Owner: AEP		State: OI	
Investigator(s): PJR, LCB		Section, Township, Range: S	R 8W
Landform (hillslope, terrace, etc.):	Ditch	Local relief (concave, convex,	none): concave Slope: 0.0% / 0.0 °
Subregion (LRR or MLRA): LRR N	Lat.:	40.757515 Lo	ng.: -81.326383
Soil Map Unit Name: FcB		10.707010	NWI classification: N/A
Are climatic/hydrologic conditions on	the site typical for this time of year	ar? Yes • No O (If no	o, explain in Remarks.)
Are Vegetation, Soil	, or Hydrology 🔲 significantly	y disturbed? Are "Norma	Il Circumstances" present? Yes No
Are Vegetation, Soil	, or Hydrology 🔲 naturally pr	oblematic? (If needed,	explain any answers in Remarks.)
Summary of Findings - Att	ach site map showing sa		ns, transects, important features, etc.
Hydrophytic Vegetation Present?	Yes ● No ○		
Hydric Soil Present?	Yes No	Is the Sampled Area	Yes ● No ○
Wetland Hydrology Present?	Yes ● No ○	within a Wetland?	res O NO O
Remarks: PEM wetland			
Hydrology			
Wetland Hydrology Indicators:			Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one	e required; check all that apply)		Surface Soil Cracks (B6)
Surface Water (A1)	True Aquatic Plants	(B14)	Sparsely Vegetated Concave Surface (B8)
✓ High Water Table (A2)	Hydrogen Sulfide O	• •	✓ Drainage Patterns (B10)
Saturation (A3)		res along Living Roots (C3)	Moss Trim Lines (B16)
Water Marks (B1)	☐ Presence of Reduce	• •	Dry Season Water Table (C2)
Sediment Deposits (B2)		ion in Tilled Soils (C6)	Crayfish Burrows (C8)
Drift deposits (B3)	☐ Thin Muck Surface	. ,	Saturation Visible on Aerial Imagery (C9)
Algal Mat or Crust (B4) Iron Deposits (B5)	Other (Explain in Re	emarks)	Stunted or Stressed Plants (D1) Geomorphic Position (D2)
Inundation Visible on Aerial Imagery	(B7)		Shallow Aquitard (D3)
Water-Stained Leaves (B9)	(57)		✓ Microtopographic Relief (D4)
Aquatic Fauna (B13)			FAC-neutral Test (D5)
Field Observations:			
Surface Water Present? Yes •	No Depth (inches):	4	
Water Table Present? Yes •	No Depth (inches):	0	
Saturation Present? (includes capillary frings) Yes		Wetland Hyd	Irology Present? Yes No
(includes capillary fringe) Describe Recorded Data (stream gau			ilable:
Jessing nessitate para (en sam gar	ago, momoning won, donar priotoc	,, promode inspections), ii did	
Remarks:			

		Consider		Sampling Point: W-PJR-050117-01	
Tree Stratum (Plot size:)	Absolute % Cover	-Species? Rel.Strat. Cover	Indicator Status		
1	0	0.0%_		Number of Dominant Species That are OBL, FACW, or FAC: 2 (A)	
2	0	0.0%		Total Number of Deminent	
3	0	0.0%		Total Number of Dominant Species Across All Strata: 2 (B)	
4		0.0%			
5		0.0%		Percent of dominant Species That Are OBL FACW or FAC: 100.0% (A/B)	5)
6		0.0%		That Are OBL, FACW, or FAC: 100.0% (A/B)	"
7		0.0%		Prevalence Index worksheet:	
8		0.0%		Total % Cover of: Multiply by:	
/Diet size	, _ 0 =	= Total Cove	r	0BL speci es	
Sapling-Sapling/Shrub Stratum (Plot size:				FACW species85 x 2 =170	
1		0.0%		FAC species0 x 3 =0	
2		0.0%		FACU species $0 \times 4 = 0$	
3		0.0%		UPL species $0 \times 5 = 0$	
4				'	3
5				Column Totals: <u>85</u> (A) <u>170</u> (B)	,
6				Prevalence Index = $B/A = 2.000$	
7				Hydrophytic Vegetation Indicators:	
8				Rapid Test for Hydrophytic Vegetation	
9				✓ Dominance Test is > 50%	
0	0	0.0%		✓ Prevalence Index is ≤3.0 ¹	
Shrub Stratum (Plot size:)	0=	= Total Cove	r	Morphological Adaptations ¹ (Provide supporting	J
1		0.0%		data in Remarks or on a separate sheet)	
2.		0.0%		Problematic Hydrophytic Vegetation ¹ (Explain)	
3.		0.0%		¹ Indicators of hydric soil and wetland hydrology mus	st
4		0.0%		be present, unless disturbed or problematic.	
5		0.0%		Definition of Vegetation Strata:	
6		0.0%		Four Vegetation Strata:	
		0.0%		Tree stratum – Consists of woody plants, excluding vines,	3 in.
7		= Total Cove		(7.6 cm) or more in diameter at breast height (DBH), regardless of height.	
Herb Stratum (Plot size:)				Sapling/shrub stratum – Consists of woody plants, excluding	ing
1. Leersia virginica		41.2%	FACW	vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall	
2. Phalaris arundinacea	50	58.8%	FACW	Herb stratum – Consists of all herbaceous (non-woody) pla regardless of size, and all other plants less than 3.28 ft tall.	
3		0.0%		Woody vines – Consists of all woody vines greater than 3.2	
4		0.0%		in height.	10 IL
5		0.0%_			
6		0.0%_		Five Vegetation Strata:	
7				Tree - Woody plants, excluding woody vines, approximately	y 20
8				ft (6 m) or more in height and 3 in. (7.6 cm) or larger in diameter at breast height (DBH).	
9		0.0%		Sapling stratum – Consists of woody plants, excluding woo	odv
0				vines, approximately 20 ft (6 m) or more in height and less	
1		0.0%		than 3 in. (7.6 cm) DBH.	
2	0	0.0%		Shrub stratum – Consists of woody plants, excluding wood vines, approximately 3 to 20 ft (1 to 6 m) in height.	зy
Woody Vine Stratum (Plot size:)	85=	= Total Cove	r	Herb stratum – Consists of all herbaceous (non-woody) pla	ants,
1	0	0.0%		including herbaceous vines, regardless of size, and woody species, except woody vines, less than approximately 3 ft (
2	0	0.0%		m) in height.	r.
3	0	0.0%		Woody vines – Consists of all woody vines, regardless of	
4	0	0.0%		height.	
5		0.0%			
5 6	0	0.0%		Hydrophytic Vegetation	
U.,				Present? Yes No	
	0	= Total Cove	ar .	Tresent:	

Profile Descr	-	the depth n				nfirm the a	absence of indicators.)	
Depth				dox Featu				
(inches)	Color (moist) 10YR 4/1	<u>%</u>	Color (moist)		Tvpe 1	Loc²	<u>Texture</u>	Remarks
0-16	10YR 4/1	90	7.5YR 4/6	_ 10		M	Silt Loam	
							•	
	-		· <u>.</u>					
	-							
	-							
1								
		n. RM=Reduc	ed Matrix, CS=Cover	ed or Coate	ed Sand Gra	ins ² Loca	tion: PL=Pore Lining. M=M	atrix
Hydric Soil I				(07)			Indicators for Proble	ematic Hydric Soils ³ :
Histosol (Dark Surface (. ,	(00) (14) 5	47 440	2 cm Muck (A10)	(MLRA 147)
	pedon (A2)		Polyvalue Belo				Coast Prairie Red	ox (A16)
Black Hist	ic (A3) i Sulfide (A4)		Thin Dark Surf			40)	(MLRA 147,148)	
_	Layers (A5)		Loamy Gleyed✓ Depleted Matri)		Piedmont Floodp (MLRA 136, 147)	
	k (A10) (LRR N)		Redox Dark Su				_	
	Below Dark Surface (A	11)	Depleted Dark	` '	7)		Very Shallow Dar	
	k Surface (A12)	,	Redox Depress		,		Other (Explain in	Remarks)
	ıck Mineral (S1) (LRR N	J	Iron-Manganes		(F12) (LRR I	٧,		
MLRA 147	7, 148)	• 1	MLRA 136)	(=) (0.11)		>		
	eyed Matrix (S4)		Umbric Surfac				³ Indicators of	hydrophytic vegetation and
Sandy Re			☐ Piedmont Floo				wetland hyd	drology must be present,
	Matrix (S6)		Red Parent Ma	aterial (F21)) (MLRA 127	7, 147)	unless di	sturbed or problematic.
Restrictive L	ayer (if observed):							
Type:								
Depth (inc	hes):						Hydric Soil Present?	Yes No
Remarks:								
1								
ı								
ı								

Project/Site: Carrollton-Sunnyside	City/Coun	stark County	Sampling Date: 27-Apr-17
Applicant/Owner: AEP		State: OH	Sampling Point: W-PJR-042717-05
Investigator(s): PJR, LCB	Section, T	Fownship, Range: S	24 T 10N R 8W
Landform (hillslope, terrace, etc.): Ditch	Local relief	(concave, convex, no	one): concave Slope: 2.0% / 1.1 °
Subregion (LRR or MLRA):) Lonc	g.: -81.326980
Soil Map Unit Name: FcA	10.700107		NWI classification: N/A
Are climatic/hydrologic conditions on the site ty	pical for this time of year? Yes	● No ○ (If no, o	explain in Remarks.)
Are Vegetation, Soil, or Hydrol		? Are "Normal (Circumstances" present? Yes No
Are Vegetation 🔲 , Soil 🗌 , or Hydrol	ogy naturally problematic?	? (If needed, ex	xplain any answers in Remarks.)
Summary of Findings - Attach site	map showing sampling	point locations	s, transects, important features, etc.
Hydrophytic Vegetation Present? Yes	No O		
Hydric Soil Present? Yes •	No O	the Sampled Area	Yes ● No ○
Wetland Hydrology Present? Yes •	No O wi	ithin a Wetland?	Tes O NO O
Remarks: PEM/PSS wetland			
Hydrology			
Wetland Hydrology Indicators:			Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one required;			Surface Soil Cracks (B6)
✓ Surface Water (A1)	True Aquatic Plants (B14)		Sparsely Vegetated Concave Surface (B8)
✓ High Water Table (A2)	Hydrogen Sulfide Odor (C1)		✓ Drainage Patterns (B10)
Saturation (A3) Water Marks (B1)	Oxidized Rhizospheres along Liv	ring Roots (C3)	Moss Trim Lines (B16)
Sediment Deposits (B2)	Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled	Soils (C6)	Dry Season Water Table (C2) Crayfish Burrows (C8)
Drift deposits (B3)	Thin Muck Surface (C7)	30113 (00)	Saturation Visible on Aerial Imagery (C9)
Algal Mat or Crust (B4)	Other (Explain in Remarks)	İ	Stunted or Stressed Plants (D1)
Iron Deposits (B5)	Other (Explain in Remarks)	İ	Geomorphic Position (D2)
☐ Inundation Visible on Aerial Imagery (B7)			Shallow Aquitard (D3)
☐ Water-Stained Leaves (B9)			✓ Microtopographic Relief (D4)
Aquatic Fauna (B13)			FAC-neutral Test (D5)
Field Observations: Surface Water Present? Yes No			
	Depth (inches): 1	_	
Water Table Present? Yes No	Depth (inches): 4	Wetland Hydro	plogy Present? Yes No
Saturation Present? (includes capillary fringe) Yes No	Depth (inches):0	— Wedana nyara	nogy Present: 103 C NO C
Describe Recorded Data (stream gauge, monitor	oring well, aerial photos, previous	inspections), if availa	able:
Remarks:			

		Dominant		Sampling Point: W-PJR-042717-05
Tree Stratum (Plot size:)	Absolute % Cover	-Species? Rel.Strat. Cover	Indicator Status	
 1	0	0.0%		Number of Dominant Species That are OBL, FACW, or FAC: 3 (A)
2.	0	0.0%		
3		0.0%		Total Number of Dominant Species Across All Strata: 3 (B)
		0.0%		(c)
		0.0%		Percent of dominant Species
).		0.0%		That Are OBL, FACW, or FAC: 100.0% (A/B)
		0.0%		Prevalence Index worksheet:
3.		0.0%		Total % Cover of: Multiply by:
(5)	0 =	= Total Cove	r	0BL speci es0 x 1 =0
apling-Sapling/Shrub Stratum (Plot size:				FACW species
		0.0%		FAC speciles 35 x 3 = 105
		0.0%		FACU species $0 \times 4 = 0$
3	_	0.0%		UPL species $0 \times 5 = 0$
		0.0%		(0)
)		0.0%		Column Totals:110 (A)255 (B)
j		0.0%		Prevalence Index = B/A = 2.318
.		0.0%		Hydrophytic Vegetation Indicators:
3		0.0%		Rapid Test for Hydrophytic Vegetation
)				✓ Dominance Test is > 50%
)		0.0%		✓ Prevalence Index is ≤3.0 ¹
Shrub Stratum (Plot size:)		= Total Cove	r	Morphological Adaptations ¹ (Provide supporting
. Viburnum recognitum	10	100.0%	FAC	data in Remarks or on a separate sheet)
	0	0.0%		Problematic Hydrophytic Vegetation ¹ (Explain)
S		0.0%		¹ Indicators of hydric soil and wetland hydrology must
ļ. <u> </u>		0.0%		be present, unless disturbed or problematic.
i		0.0%		Definition of Vegetation Strata:
5.	0	0.0%		Four Vegetation Strata:
		0.0%		Tree stratum – Consists of woody plants, excluding vines, 3 in (7.6 cm) or more in diameter at breast height (DBH),
lerb Stratum (Plot size:)		= Total Cove	r	regardless of height.
	75	✓ 75.0%	FACW	Sapling/shrub stratum – Consists of woody plants, excluding
		✓ 25.0%	FAC	vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall. Herb stratum – Consists of all herbaceous (non-woody) plants
. Equisetum arvense	0	0.0%	1710	regardless of size, and all other plants less than 3.28 ft tall.
		0.0%		Woody vines – Consists of all woody vines greater than 3.28 ft
		0.0%		in height.
)		0.0%		
		0.0%		Five Vegetation Strata:
		0.0%		Tree - Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and 3 in. (7.6 cm) or larger in
		0.0%		diameter at breast height (DBH).
		0.0%		Sapling stratum – Consists of woody plants, excluding woody
		0.0%		vines, approximately 20 ft (6 m) or more in height and less than 3 in. (7.6 cm) DBH.
·		0.0%		Shrub stratum – Consists of woody plants, excluding woody
		= Total Cove	r	vines, approximately 3 to 20 ft (1 to 6 m) in height.
Voody Vine Stratum (Plot size:)				Herb stratum – Consists of all herbaceous (non-woody) plants including herbaceous vines, regardless of size, and woody
		0.0%		species, except woody vines, less than approximately 3 ft (1
_.				m) in height.
		0.0%		Woody vines – Consists of all woody vines, regardless of height.
·				
j		0.0%		Hydrophytic
3	0	0.0%		Vegetation
		= Total Cove		Present? Yes VO

Profile Descr		the depth				nfirm the a	absence of indicators.)			
Depth	Matrix			dox Feati			•	B 1		
(inches) 0-4	Color (moist) 10YR 4/2	 90	Color (moist)		Tvpe ¹	Loc ²	Texture	Remarks		
			10YR 4/4	_ 10			Silty Clay Loam			
4-16	10YR 5/2	90	10YR 4/6	_ 10	_ <u>C</u>	M	Silty Clay Loam			
							,			
							P			
1 Typo: C-Cop	contration D-Donlotic	n PM-Podi	used Matrix CS_Cover	od or Coat	od Sand Gra	ins 21 oca	tion: PL=Pore Lining. M=Ma	ntriv		
		on. Rivi=Real	iced Matrix, CS=Cover	ed of Coat	eu sanu Gra	ins -Loca				
Hydric Soil 1			Dark Surface ((C7)			Indicators for Proble	ematic Hydric Soils ³ :		
Histosol (pedon (A2)		Polyvalue Belo	. ,	(S8) (MI DA	1 <u>4</u> 7 1 <u>4</u> 9\	2 cm Muck (A10)	(MLRA 147)		
Black Hist			Thin Dark Surf				Coast Prairie Redo	ox (A16)		
	Sulfide (A4)		Loamy Gleyed			,	(MLRA 147,148)			
	Layers (A5)		✓ Depleted Matri		,		Piedmont Floodpla (MLRA 136, 147)	ain Soils (F19)		
_	k (A10) (LRR N)		Redox Dark Su				Very Shallow Dark	(Surface (TF12)		
	Below Dark Surface (A	11)	Depleted Dark	Surface (F	7)					
	k Surface (A12)		Redox Depress	sions (F8)			Uther (Explain in Remarks)			
Sandy Mu MLRA 147	uck Mineral (S1) (LRR N 7, 148)	٧,	Iron-Manganes MLRA 136)	se Masses	(F12) (LRR I	١,				
Sandy Gle	eyed Matrix (S4)		Umbric Surface	e (F13) (M	LRA 136, 12	2)	2			
Sandy Re	dox (S5)		Piedmont Floo	dplain Soil	s (F19) (MLF	RA 148)	³ Indicators of hydrophytic vegetation and wetland hydrology must be present,			
Stripped I	Matrix (S6)		Red Parent Ma	nterial (F21) (MLRA 127	7, 147)	unless dis	sturbed or problematic.		
Restrictive L	ayer (if observed):									
Туре:										
Depth (inc	hes):						Hydric Soil Present?	Yes ● No ○		
Remarks:							ı			

Project/Site: Carrollton-Sunnyside		City/County: Stark County	Sampling Date: 27-Apr-17
Applicant/Owner: AEP		State: OH	
Investigator(s): PJR, LCB		Section, Township, Range: S	24 T 10N R 8W
Landform (hillslope, terrace, etc.):	Depression I	Local relief (concave, convex, r	none): concave Slope: 0.0% / 0.0 °
Subregion (LRR or MLRA):	·	40.760849 Lo i	ng.: -81.331039
Soil Map Unit Name: FcA		40.700047	NWI classification: N/A
	the electrical for this time of the	nr? Yes No (If no	
Are climatic/hydrologic conditions on to Are Vegetation		•	, explain in Remarks.) I Circumstances" present? Yes No
			Present
	or Hydrology U naturally pr ach site map showing sa	,	explain any answers in Remarks.) ns, transects, important features, etc.
Hydrophytic Vegetation Present?	Yes No		-
Hydric Soil Present?	Yes No	Is the Sampled Area	
Wetland Hydrology Present?	Yes No	within a Wetland?	Yes ● No ○
Remarks:			
PEM wetland			
Hydrology			
Wetland Hydrology Indicators:			Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one			Surface Soil Cracks (B6)
Surface Water (A1)	True Aquatic Plants		✓ Sparsely Vegetated Concave Surface (B8)
High Water Table (A2)	Hydrogen Sulfide Oo	• •	Drainage Patterns (B10)
Saturation (A3) Water Marks (B1)		res along Living Roots (C3)	Moss Trim Lines (B16)
Sediment Deposits (B2)	Presence of Reduce	a Iron (C4) on in Tilled Soils (C6)	☐ Dry Season Water Table (C2) ☐ Crayfish Burrows (C8)
Drift deposits (B3)	Thin Muck Surface (• ,	Saturation Visible on Aerial Imagery (C9)
✓ Algal Mat or Crust (B4)	Other (Explain in Re	,	Stunted or Stressed Plants (D1)
Iron Deposits (B5)	Uner (Explain in Re	erriarks)	Geomorphic Position (D2)
☐ Inundation Visible on Aerial Imagery	(B7)		Shallow Aquitard (D3)
Water-Stained Leaves (B9)			Microtopographic Relief (D4)
Aquatic Fauna (B13)			FAC-neutral Test (D5)
Field Observations:			
Surface Water Present? Yes O	No Depth (inches):	3	
Water Table Present? Yes	No Depth (inches):		rology Present? Yes No
Saturation Present? (includes capillary fringe) Yes	No Depth (inches):	Wetland Hyd	rology Present? Yes • No ·
Describe Recorded Data (stream gau	ge, monitoring well, aerial photos	, previous inspections), if avai	lable:
3	3 . , , ,	, , , , , , , , , , , , , , , , , , , ,	
Remarks:			

		Dominant Cresise2	Sampling Point: W-PJR-042717-06
Tree Stratum (Plot size:)	Absolute % Cover	-Species? Rel.Strat. Cover Status	
1	0	0.0%	Number of Dominant Species That are OBL, FACW, or FAC:1(A)
2			Total Number of Dominant
3			Species Across All Strata:1(B)
4		0.0%	_
5		0.0%	Percent of dominant Species That Are OBL_FACW_or_FAC: 100.0% (A/B)
6		0.0%	That Are OBL, FACW, or FAC: 100.0% (A/B)
7	0	0.0%	Prevalence Index worksheet:
8	0	0.0%	Total % Cover of: Multiply by:
Sapling-Sapling/Shrub Stratum (Plot size:	,0 =	= Total Cover	0BL speci es x 1 = 0
	_	0.0%	FACW species 0 x 2 = 0
1		0.0%	FAC species <u>5</u> x 3 = <u>15</u>
2		0.0%	FACU species x 4 =0
3			UPL species
4		0.0%	Column Totals: 5 (A) 15 (B)
5		0.0%	
6		0.0%	Prevalence Index = $B/A = 3.000$
7			Hydrophytic Vegetation Indicators:
8			Rapid Test for Hydrophytic Vegetation
9		0.0%	✓ Dominance Test is > 50%
0	0	0.0%	Prevalence Index is ≤3.0 ¹
Shrub Stratum (Plot size:)		= Total Cover	Morphological Adaptations ¹ (Provide supporting
1	0	0.0%	data in Remarks or on a separate sheet)
2.		0.0%	Problematic Hydrophytic Vegetation ¹ (Explain)
3.	0	0.0%	Indicators of hydric soil and wetland hydrology must
4		0.0%	be present, unless disturbed or problematic.
5		0.0%	Definition of Vegetation Strata:
6		0.0%	Four Vegetation Strata:
		0.0%	Tree stratum – Consists of woody plants, excluding vines, 3 in.
7		= Total Cover	(7.6 cm) or more in diameter at breast height (DBH), regardless of height.
Herb Stratum (Plot size:)		_	Sapling/shrub stratum – Consists of woody plants, excluding
1. Rumex crispus		100.0% FAC	vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.
2		0.0%	Herb stratum – Consists of all herbaceous (non-woody) plants, regardless of size, and all other plants less than 3.28 ft tall.
3		0.0%	Woody vines – Consists of all woody vines greater than 3.28 ft
4		0.0%	in height.
5		0.0%	-
6		0.0%	Five Vegetation Strata:
7		0.0%	Tree - Woody plants, excluding woody vines, approximately 20
8			ft (6 m) or more in height and 3 in. (7.6 cm) or larger in diameter at breast height (DBH).
9			Sapling stratum – Consists of woody plants, excluding woody
0			vines, approximately 20 ft (6 m) or more in height and less
1	0		than 3 in. (7.6 cm) DBH.
2	0		Shrub stratum – Consists of woody plants, excluding woody vines, approximately 3 to 20 ft (1 to 6 m) in height.
Woody Vine Stratum (Plot size:)	5=	= Total Cover	Herb stratum – Consists of all herbaceous (non-woody) plants,
1	0	0.0%	including herbaceous vines, regardless of size, and woody
2.	0	0.0%	 species, except woody vines, less than approximately 3 ft (1 m) in height.
		0.0%	Woody vines – Consists of all woody vines, regardless of
3		0.0%	height.
4		0.0%	
5			Hydrophytic
6		0.0%	Vegetation Present? Yes No
	0 :	= Total Cover	1

Profile Descri	iption: (Describe to	the depth ne	eded to document	the indic	ator or co	nfirm the a	absence of indicators.)		
Depth			Re	dox Featu			_		
(inches)	Color (moist)	<u></u> %	Color (moist)	%	Tvpe 1	Loc ²	Texture	Remarks	
0-16	10YR 5/2	90	10YR 5/6	10	C	M	Silty Clay Loam		
				-					
				-					
				-			-		
¹ Type: C=Cond	centration. D=Depletio	n. RM=Reduce	ed Matrix, CS=Covere	ed or Coate	ed Sand Gra	ins ² Loca	tion: PL=Pore Lining. M=Ma	atrix	
Hydric Soil I	ndicators:						Indicators for Proble	amatic Hydric Soile ³ :	
Histosol (A			Dark Surface (S7)					
Histic Epip			Polyvalue Below	w Surface ((S8) (MLRA	147,148)	2 cm Muck (A10)		
☐ Black Histi	ic (A3)		Thin Dark Surfa	ace (S9) (N	/ILRA 147, 1	48)	Coast Prairie Redo (MLRA 147,148)	ox (A16)	
Hydrogen	Sulfide (A4)		Loamy Gleyed	Matrix (F2))		Piedmont Floodpla	ain Sails (E10)	
Stratified L	Layers (A5)		✓ Depleted Matri	x (F3)			(MLRA 136, 147)	dili 30iis (F19)	
2 cm Muck	(A10) (LRR N)		Redox Dark Su	rface (F6)			Very Shallow Dark	< Surface (TF12)	
Depleted B	Below Dark Surface (A	11)	Depleted Dark	Surface (F	7)		Other (Explain in I		
Thick Dark	Surface (A12)		Redox Depress	ions (F8)				,	
Sandy Mud MLRA 147	ck Mineral (S1) (LRR N , 148)	١,	Iron-Manganes MLRA 136)	se Masses ((F12) (LRR I	٧,			
Sandy Gle	yed Matrix (S4)		Umbric Surface	e (F13) (ML	_RA 136, 12	2)	2		
Sandy Red			Piedmont Floo	dplain Soils	(F19) (MLF	RA 148)	³ Indicators of I	hydrophytic vegetation and Irology must be present,	
Stripped M	Matrix (S6)		Red Parent Ma	terial (F21)) (MLRA 127	7, 147)	unless dis	sturbed or problematic.	
	ayer (if observed):								
Type:	`						Hydric Soil Present?	Yes ● No ○	
Depth (inch	nes):						,	100 - 110 -	
Remarks:									

Project/Site: Carrollton-Sunnyside		City/County: Stark	Sampling Date: 25-Apr-17
Applicant/Owner: AEP		State: 0	
Investigator(s): PJR, LCB		Section, Township, Range: S	7 23 T 10N R 8W
Landform (hillslope, terrace, etc.):	Floodplain	Local relief (concave, convex,	none): concave Slope: 0.0% / 0.0 °
Subregion (LRR or MLRA):	Lat.:	40.762286 Lo	ng.: -81.332846
Soil Map Unit Name: FcA		10.702200	NWI classification: N/A
Are climatic/hydrologic conditions or	n the site typical for this time of yea	ar? Yes • No O (If no	o, explain in Remarks.)
Are Vegetation, Soil			Il Circumstances" present? Yes No
Are Vegetation, Soil	, or Hydrology naturally pr	oblematic? (If needed,	explain any answers in Remarks.)
Summary of Findings - At	tach site map showing sa		ns, transects, important features, etc.
Hydrophytic Vegetation Present?	Yes No		
Hydric Soil Present?	Yes No	Is the Sampled Area	Yes ● No ○
Wetland Hydrology Present?	Yes No	within a Wetland?	103 0 110 0
Remarks: PEM/PSS wetland			
Hydrology			
Wetland Hydrology Indicators:			Secondary Indicators (minimum of two required)
Primary Indicators (minimum of on	ne required; check all that apply)		Surface Soil Cracks (B6)
Surface Water (A1)	True Aquatic Plants		Sparsely Vegetated Concave Surface (B8)
✓ High Water Table (A2)	Hydrogen Sulfide O	, ,	✓ Drainage Patterns (B10)
Saturation (A3)		res along Living Roots (C3)	Moss Trim Lines (B16)
Water Marks (B1) Sediment Deposits (B2)	Presence of Reduce	ed Iron (C4) ion in Tilled Soils (C6)	☐ Dry Season Water Table (C2) ☐ Crayfish Burrows (C8)
Drift deposits (B3)	Thin Muck Surface		Saturation Visible on Aerial Imagery (C9)
Algal Mat or Crust (B4)	Other (Explain in Re	• •	Stunted or Stressed Plants (D1)
☐ Iron Deposits (B5)	Utilei (Explain in Re	erridiks)	Geomorphic Position (D2)
Inundation Visible on Aerial Imagery	y (B7)		Shallow Aquitard (D3)
☐ Water-Stained Leaves (B9)			✓ Microtopographic Relief (D4)
Aquatic Fauna (B13)			FAC-neutral Test (D5)
Field Observations:			
Surface Water Present? Yes O		12	
Water Table Present? Yes Yes	No Depth (inches):		Irology Present? Yes No
Saturation Present? (includes capillary fringe) Yes	No Depth (inches):	0	Hology Fresent: 163 © No ©
Describe Recorded Data (stream ga	uge, monitoring well, aerial photos	s, previous inspections), if ava	ilable:
Remarks:			

		Cominant		Sampling Point: W-PJR-04251	7-00
Tree Stratum (Plot size:)	Absolute % Cover		Indicator Status	Dominance Test worksheet:	
1	0	0.0%		Number of Dominant Species That are OBL, FACW, or FAC:2	(A)
2		0.0%		Total Number of Deminent	
3	0	0.0%		Total Number of Dominant Species Across All Strata: 2	(B)
4		0.0%			
5		0.0%		Percent of dominant Species That Are OBL_FACW_or_FAC: 100.0%	(A/B)
6		0.0%		That Are OBL, FACW, or FAC: 100.0%	(A/D)
7		0.0%		Prevalence Index worksheet:	
8		0.0%		Total % Cover of: Multiply by:	
(Dlat size)	,0 =	= Total Cover		OBL species 0 x 1 = 0	
Sapling-Sapling/Shrub Stratum (Plot size:	_			FACW species 95 x 2 = 190	
1		0.0%		FAC species45 x 3 =135	
2		0.0%		FACU species $0 \times 4 = 0$	
3		0.0%		UPL species $0 \times 5 = 0$	
4		0.0%		'	(B)
5				Column Totals: <u>140</u> (A) <u>325</u>	(6)
6				Prevalence Index = B/A = 2.321	
7		0.0%		Hydrophytic Vegetation Indicators:	
8				Rapid Test for Hydrophytic Vegetation	
9				✓ Dominance Test is > 50%	
0		0.0%		Prevalence Index is ≤3.0 ¹	
Shrub Stratum (Plot size:)		= Total Cover		Morphological Adaptations ¹ (Provide suppo	orting
1. Viburnum recognitum	45	100.0%	FAC	data in Remarks or on a separate sheet)	3
2.		0.0%		$igsquare$ Problematic Hydrophytic Vegetation 1 (Expl	ain)
3.		0.0%		¹ Indicators of hydric soil and wetland hydrology	y must
4		0.0%		be present, unless disturbed or problematic.	
5		0.0%		Definition of Vegetation Strata:	
5 6		0.0%		Four Vegetation Strata:	
		0.0%		Tree stratum – Consists of woody plants, excluding v	rines, 3 in.
7		= Total Cover		(7.6 cm) or more in diameter at breast height (DBH), regardless of height.	
Herb Stratum (Plot size:)		_		Sapling/shrub stratum – Consists of woody plants, ex	cluding
1. Phalaris arundinacea			FACW	vines, less than 3 in. DBH and greater than 3.28 ft (1 r	n) tall.
2		0.0%		Herb stratum – Consists of all herbaceous (non-wood regardless of size, and all other plants less than 3.28	
3		0.0%			
4		0.0%		Woody vines – Consists of all woody vines greater th in height.	an 3.28 ft
5				_	
6		0.0%		Five Vegetation Strata:	
7				 Tree - Woody plants, excluding woody vines, approxi	mately 20
8				ft (6 m) or more in height and 3 in. (7.6 cm) or larger in	n
9	0	0.0%		diameter at breast height (DBH). Sapling stratum – Consists of woody plants, excludin	na woody
0	0	0.0%		vines, approximately 20 ft (6 m) or more in height and	
1	0	0.0%		than 3 in. (7.6 cm) DBH.	
2	0	0.0%		Shrub stratum – Consists of woody plants, excluding vines, approximately 3 to 20 ft (1 to 6 m) in height.	woody
Woody Vine Stratum (Plot size:)	95=	= Total Cover		Herb stratum – Consists of all herbaceous (non-wood	dy) plants,
1	0	0.0%		including herbaceous vines, regardless of size, and v	voody
2		0.0%		species, except woody vines, less than approximately m) in height.	y 3 ft (1
3.		0.0%		Woody vines – Consists of all woody vines, regardles	ss of
3 4		0.0%		height.	-
		0.0%			
5	0	0.0%		Hydrophytic	
6		= Total Cove		Vegetation Present? Yes No	

Profile Descr	iption: (Describe to	the depth ne	eeded to document	the indic	ator or co	nfirm the a	bsence of indicators.)	
Depth								
(inches)	Color (moist)	<u>%</u>	Color (moist)	%	Tvpe 1	Loc ²	Texture	Remarks
0-16	10YR 5/1	90	10YR 5/6	10	C	M	Clay Loam	
			-					
							-	
							-	
¹ Type: C=Cond	centration. D=Depletio	n. RM=Reduc	ed Matrix, CS=Cover	ed or Coate	ed Sand Gra	ins ² Loca	tion: PL=Pore Lining. M=Ma	atrix
Hydric Soil I	ndicators:						Indicators for Proble	matic Hydric Soils ³ :
Histosol (/	A1)		Dark Surface (S7)				
Histic Epip	pedon (A2)		Polyvalue Belo	w Surface ((S8) (MLRA	147,148)	2 cm Muck (A10)	·
Black Hist			Thin Dark Surf				Coast Prairie Redo (MLRA 147,148)	x (A16)
Hydrogen	Sulfide (A4)		Loamy Gleyed					die Celle (F10)
	Layers (A5)		✓ Depleted Matri				Piedmont Floodpla (MLRA 136, 147)	ain Soils (F19)
	k (A10) (LRR N)		Redox Dark Su				Very Shallow Dark	Surface (TE12)
	Below Dark Surface (A	11)	Depleted Dark	` ,	7)			
	k Surface (A12)	11)	Redox Depress		- /		Other (Explain in	Remarks)
	• ,	ı	☐ Iron-Manganes		'F12) (I RR I	N.		
MLRA 147	•	Ι,	MLRA 136)					
	yed Matrix (S4)		Umbric Surface				3 Indicators of I	nydrophytic vegetation and
Sandy Red			☐ Piedmont Floo	dplain Soils	(F19) (MLF	RA 148)	wetland hyd	rology must be present,
Stripped N	Matrix (S6)		Red Parent Ma	iterial (F21)	(MLRA 12	7, 147)	unless dis	turbed or problematic.
Restrictive La	ayer (if observed):							
Type:								
Depth (incl	nes):						Hydric Soil Present?	Yes No
Remarks:								
Romans.								

Project/Site: Carrollton-Sunnyside		City/County: Stark	Sampling Date: 25-Apr-17
Applicant/Owner: AEP		State: OI	
Investigator(s): PJR, LCB		Section, Township, Range: S	S 23 T 10N R 8W
Landform (hillslope, terrace, etc.):	Depression I	Local relief (concave, convex,	none): concave Slope: 1.0% / 0.6 °
Subregion (LRR or MLRA):			ng.: -81.338912
Soil Map Unit Name: FcB	Latin	40.700334	NWI classification: NA
Are climatic/hydrologic conditions on	the site typical for this time of yea	ar? Yes • No O (If no	o, explain in Remarks.)
			Il Circumstances" present? Yes No
			F. 656.11
Are Vegetation, Soil Summary of Findings - Att	, or Hydrology U naturally pr ach site map showing sa	,	explain any answers in Remarks.) ns, transects, important features, etc.
Hydrophytic Vegetation Present?	Yes No		
Hydric Soil Present?	Yes ● No ○	Is the Sampled Area	Yes ● No ○
Wetland Hydrology Present?	Yes No	within a Wetland?	Yes ♥ No ∪
PSS/PEM wetland			
Hydrology			
Wetland Hydrology Indicators:			Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one	e required; check all that apply)		Surface Soil Cracks (B6)
Surface Water (A1)	True Aquatic Plants	(B14)	Sparsely Vegetated Concave Surface (B8)
☐ High Water Table (A2)	Hydrogen Sulfide O	• •	☐ Drainage Patterns (B10)
Saturation (A3)		res along Living Roots (C3)	Moss Trim Lines (B16)
Water Marks (B1)	Presence of Reduce	• •	Dry Season Water Table (C2)
Sediment Deposits (B2)		ion in Tilled Soils (C6)	Crayfish Burrows (C8)
Drift deposits (B3) Algal Mat or Crust (B4)	☐ Thin Muck Surface (. ,	Saturation Visible on Aerial Imagery (C9)
Iron Deposits (B5)	Other (Explain in Re	emarks)	Stunted or Stressed Plants (D1) Geomorphic Position (D2)
Inundation Visible on Aerial Imagery	(B7)		Shallow Aquitard (D3)
Water-Stained Leaves (B9)	(51)		✓ Microtopographic Relief (D4)
Aquatic Fauna (B13)			FAC-neutral Test (D5)
Field Observations:			
Surface Water Present? Yes •	No Depth (inches):	1	
Water Table Present? Yes	No Depth (inches):		
Saturation Present? (includes capillary frings) Yes	No Depth (inches):		Irology Present? Yes No
(includes capillary fringe) Describe Recorded Data (stream gau			ilahla
Describe Recorded Data (stream gat	age, monitoring well, aerial photos	s, previous irispections), ir avai	nable.
Remarks:			

		Dominant		Sampling Point: W-PJR-042517-05
Tree Stratum (Plot size:)	Absolute % Cover		Indicator Status	
1	0	0.0%		Number of Dominant Species That are OBL, FACW, or FAC: (A)
2	0	0.0%		Total Number of Dominant
3		0.0%		Species Across All Strata:
4		0.0%		
5	0	0.0%		Percent of dominant Species That Are OBL, FACW, or FAC:100.0% (A/B)
6	0	0.0%		That file OBE, Thow, of the
7				Prevalence Index worksheet:
8		0.0%_		Total % Cover of: Multiply by:
Sapling-Sapling/Shrub Stratum (Plot size:) =	= Total Cove	r	0BL speci es x 1 =
 1		0.0%		FACW species 65 x 2 = 130
2		0.0%		FAC speci es65 x 3 =195
3	0	0.0%		FACU species $0 \times 4 = 0$
4		0.0%		UPL speci es $\frac{15}{}$ x 5 = $\frac{75}{}$
5		0.0%		Column Totals: <u>145</u> (A) <u>400</u> (B)
6	0	0.0%		Prevalence Index = $B/A = 2.759$
7	0	0.0%		Hydrophytic Vegetation Indicators:
8		0.0%		Rapid Test for Hydrophytic Vegetation
9		0.0%		✓ Dominance Test is > 50%
0		0.0%		✓ Prevalence Index is ≤3.0 ¹
Shrub Stratum (Plot size:)		= Total Cove	r	Morphological Adaptations ¹ (Provide supporting
1. Viburnum recognitum	55	✓ 100.0%	FAC	data in Remarks or on a separate sheet)
2.	0	0.0%		Problematic Hydrophytic Vegetation ¹ (Explain)
3.		0.0%		¹ Indicators of hydric soil and wetland hydrology must
4		0.0%		be present, unless disturbed or problematic.
5		0.0%		Definition of Vegetation Strata:
6.		0.0%		Four Vegetation Strata:
7		0.0%		Tree stratum – Consists of woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH),
Herb Stratum (Plot size:)		= Total Cove	r	regardless of height.
1. Phalaris arundinacea	65	✓ 72.2%	FACW	Sapling/shrub stratum – Consists of woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.
2. Daucus carota	15	16.7%	UPL	Herb stratum – Consists of all herbaceous (non-woody) plants,
3. Equisetum arvense	10	11.1%	FAC	regardless of size, and all other plants less than 3.28 ft tall.
4.	0	0.0%		Woody vines – Consists of all woody vines greater than 3.28 ft
5.	0	0.0%		in height.
6	0	0.0%		Five Vegetation Strata:
7	0	0.0%		
8.	0	0.0%		Tree - Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and 3 in. (7.6 cm) or larger in
9	0	0.0%		diameter at breast height (DBH).
0.	0	0.0%		Sapling stratum – Consists of woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and less
1	0	0.0%		than 3 in. (7.6 cm) DBH.
2.	0	0.0%		Shrub stratum – Consists of woody plants, excluding woody
Woody Vine Stratum (Plot size:)	90 =	= Total Cove	r	vines, approximately 3 to 20 ft (1 to 6 m) in height. Herb stratum – Consists of all herbaceous (non-woody) plants,
1	0	0.0%		including herbaceous vines, regardless of size, and woody
		0.0%		species, except woody vines, less than approximately 3 ft (1 m) in height.
2 3	0	0.0%		Woody vines – Consists of all woody vines, regardless of
•		0.0%		height.
4		0.0%		
5	0	0.0%		Hydrophytic
6		= Total Cove		Vegetation Present? Yes No No
	U	- LUCAL COVE	51	1

Soil Sampling Point: W-PJR-042517-05

Profile Descr	-	the depth n				nfirm the a	absence of indicators.)	
Depth Matrix			dox Featu					
(inches) 0-16	Color (moist) 10YR 5/2	95	Color (moist) 10YR 5/6	% 5	Tvpe 1	Loc ²	Clay Loam	Remarks
U-10	101K 5/2		1018 5/6	- 		IVI	Clay Loam	
								•
			-					
							-	
1 Type: C=Con	centration D-Depletio	n PM-Peduc	ad Matrix CS-Cover	ad or Coate	ad Sand Gra	ins 21 oca	tion: PL=Pore Lining. M=M	atriv
		ii. Kivi–Reduc	ed Matrix, C3=Covere	eu or coate	ou Sanu Gra	IIIS -LUCA		
Hydric Soil I Histosol (Dark Surface (S7)				ematic Hydric Soils ³ :
	pedon (A2)		Polyvalue Below	,	(S8) (MI RA	147.148)	2 cm Muck (A10)	(MLRA 147)
Black Hist			Thin Dark Surfa				Coast Prairie Red	ox (A16)
	Sulfide (A4)		Loamy Gleyed			•	(MLRA 147,148)	
	Layers (A5)		✓ Depleted Matri				Piedmont Floodp (MLRA 136, 147)	
	k (A10) (LRR N)		Redox Dark Su				Very Shallow Dar	
Depleted	Below Dark Surface (A	11)	Depleted Dark	Surface (F	7)		Other (Explain in	
	k Surface (A12)		Redox Depress					• •
Sandy Mu MLRA 147	ick Mineral (S1) (LRR N 7, 148)	١,	Iron-Manganes MLRA 136)	se Masses ((F12) (LRR I	١,		
Sandy Gle	eyed Matrix (S4)		Umbric Surface	e (F13) (MI	_RA 136, 12	2)	2	
Sandy Re	dox (S5)		Piedmont Floo	dplain Soils	(F19) (MLF	RA 148)	Indicators of wetland hy	hydrophytic vegetation and drology must be present,
Stripped N	Matrix (S6)		Red Parent Ma	iterial (F21)) (MLRA 127	⁷ , 147)	unless di	sturbed or problematic.
Restrictive L	ayer (if observed):							
Type:								
Depth (inc	hes):						Hydric Soil Present?	Yes No
Remarks:								

Project/Site: Carrollton-Sunnyside		City/County: Stark	Sampling Date: 25-Apr-17
Applicant/Owner: AEP		State: O	
Investigator(s): PJR, LCB		Section, Township, Range: S	R 8W
Landform (hillslope, terrace, etc.):	Depression	Local relief (concave, convex,	none): concave Slope: 1.0% / 0.6 °
Subregion (LRR or MLRA):	Lat.:	40.770188 Lo	ng.: -81.344384
Soil Map Unit Name: WuD2		10.770100	NWI classification: NA
Are climatic/hydrologic conditions o	n the site typical for this time of yea	ar? Yes • No O (If no	o, explain in Remarks.)
Are Vegetation \square , Soil \square		•	Il Circumstances" present? Yes No
Are Vegetation, Soil	, or Hydrology naturally pr		explain any answers in Remarks.)
Summary of Findings - At	tach site map showing sa		ns, transects, important features, etc.
Hydrophytic Vegetation Present?	Yes No		
Hydric Soil Present?	Yes ● No ○	Is the Sampled Area	Yes ● No ○
Wetland Hydrology Present?	Yes ● No ○	within a Wetland?	res o No o
Remarks: PSS wetland			
Hydrology			
Wetland Hydrology Indicators:			Secondary Indicators (minimum of two required)
Primary Indicators (minimum of or			Surface Soil Cracks (B6)
✓ Surface Water (A1)	True Aquatic Plants		Sparsely Vegetated Concave Surface (B8)
High Water Table (A2)	Hydrogen Sulfide O	• •	✓ Drainage Patterns (B10)
Saturation (A3)		res along Living Roots (C3)	Moss Trim Lines (B16)
Water Marks (B1) Sediment Deposits (B2)	Presence of Reduce	• •	Dry Season Water Table (C2)
Drift deposits (B3)		ion in Tilled Soils (C6)	Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9)
Algal Mat or Crust (B4)	☐ Thin Muck Surface	• •	Stunted or Stressed Plants (D1)
Iron Deposits (B5)	Other (Explain in Re	emarks)	Geomorphic Position (D2)
Inundation Visible on Aerial Imager	v (B7)		Shallow Aquitard (D3)
Water-Stained Leaves (B9)	, (2.7)		✓ Microtopographic Relief (D4)
Aquatic Fauna (B13)			FAC-neutral Test (D5)
Field Observations:	_		
Surface Water Present? Yes		1	
Water Table Present? Yes	No Depth (inches):		
Saturation Present? (includes capillary fringe) Yes	No Depth (inches):	Wetland Hyd	Irology Present? Yes No
Describe Recorded Data (stream ga	auge, monitoring well, aerial photos	s, previous inspections), if ava	ilable:
_			
Remarks:			

		Comminant		Sampling Point: W-PJR-042517-	U4
Tree Stratum (Plot size:)	Absolute % Cover	-Species? - Rel.Strat. Cover	Indicator Status	Dominance Test worksheet:	
1	0	0.0%		Number of Dominant Species That are OBL, FACW, or FAC: ((A)
2	0	0.0%		Total Number of Dominant	
3	0	0.0%			(B)
4		0.0%			
5		0.0%		Percent of dominant Species That Are OBL FACW or FAC: 100.0% ((A/B)
6		0.0%		That Are OBL, FACW, or FAC: 100.0%	,7/10)
7		0.0%		Prevalence Index worksheet:	
8		0.0%		Total % Cover of: Multiply by:	
(Dist size)	,0 =	= Total Cover		OBL species0 x 1 =0	
Sapling-Sapling/Shrub Stratum (Plot size:	_			FACW species	
1		0.0%		FAC species <u>65</u> x 3 = <u>195</u>	
2		0.0%		FACU species 0 x 4 = 0	
3		0.0%		UPL species $0 \times 5 = 0$	
4		0.0%		'	(B)
5				Column Totals: <u>80</u> (A) <u>225</u>	(0)
6		0.0%		Prevalence Index = B/A = 2.813	
7		0.0%		Hydrophytic Vegetation Indicators:	
8		0.0%		Rapid Test for Hydrophytic Vegetation	
9				✓ Dominance Test is > 50%	
0		0.0%		✓ Prevalence Index is ≤3.0 ¹	
Shrub Stratum (Plot size:)	0=	= Total Cover		Morphological Adaptations ¹ (Provide support	ina
1Viburnum recognitum	65	100.0%	FAC	data in Remarks or on a separate sheet)	
2		0.0%		Problematic Hydrophytic Vegetation ¹ (Explai	n)
3		0.0%		¹ Indicators of hydric soil and wetland hydrology i	must
4		0.0%		be present, unless disturbed or problematic.	
5		0.0%		Definition of Vegetation Strata:	
5 6		0.0%		Four Vegetation Strata:	
		0.0%		Tree stratum – Consists of woody plants, excluding vin	es, 3 in.
7		= Total Cover		(7.6 cm) or more in diameter at breast height (DBH), regardless of height.	
Herb Stratum (Plot size:)		_		Sapling/shrub stratum – Consists of woody plants, excl	luding
1. Impatiens capensis			FACW	vines, less than 3 in. DBH and greater than 3.28 ft (1 m)	
2		0.0%		Herb stratum – Consists of all herbaceous (non-woody) regardless of size, and all other plants less than 3.28 ft	
3		0.0%		Woody vines – Consists of all woody vines greater than	
4		0.0%		in height.	3.20 11
5		0.0%			
6		0.0%		Five Vegetation Strata:	
7		0.0%		Tree - Woody plants, excluding woody vines, approxima	ately 20
3				ft (6 m) or more in height and 3 in. (7.6 cm) or larger in diameter at breast height (DBH).	
9		0.0%		Sapling stratum – Consists of woody plants, excluding	woodv
0		0.0%		vines, approximately 20 ft (6 m) or more in height and le	
1	0	0.0%		than 3 in. (7.6 cm) DBH.	
2	0	0.0%		Shrub stratum – Consists of woody plants, excluding w vines, approximately 3 to 20 ft (1 to 6 m) in height.	oody
Woody Vine Stratum (Plot size:)	15 =	= Total Cover		Herb stratum – Consists of all herbaceous (non-woody)) plants.
1	0	0.0%		including herbaceous vines, regardless of size, and wo	ody
2.	0	0.0%		species, except woody vines, less than approximately 3 m) in height.	Γ) π (
3		0.0%		Woody vines – Consists of all woody vines, regardless	of
4		0.0%		height.	
-		0.0%			
		0.0%		Hydrophytic	
6		= Total Cove		Vegetation Present? Yes No	
				•	

Soil Sampling Point: W-PJR-042517-04

		the depth r				nfirm the a	absence of indicators.)		
Depth Matrix (inches) Color (moist) %		0/-	Re Color (moist)	dox Featu %	res Type ¹	Loc2	Texture Remarks		
0-16	10YR 4/2	90	7.5YR 5/6	10	C	M	Silt Loam	Kemarks	
	10110 472		7.5110 570				Jiit Loaiii		
-				-					
1 - 0 0			111111111111111111111111111111111111111		10. 10				
		on. RM=Redu	ced Matrix, CS=Covere	ed or Coate	ed Sand Gra	iins ² Loca	tion: PL=Pore Lining. M=M		
Hydric Soil 1				0=)			Indicators for Proble	ematic Hydric Soils ³ :	
Histosol (Dark Surface (•	(CO) (MI DA	147 140)	2 cm Muck (A10)	(MLRA 147)	
Black Hist	pedon (A2)		Polyvalue Below Thin Dark Surfa				Coast Prairie Red	ox (A16)	
	n Sulfide (A4)		Loamy Gleyed			40)	(MLRA 147,148)		
_	Layers (A5)		✓ Depleted Matri)		Piedmont Floodp (MLRA 136, 147)		
	k (A10) (LRR N)		Redox Dark Su				Very Shallow Dar		
	Below Dark Surface (A	.11)	Depleted Dark	` '	7)				
	k Surface (A12)	,	Redox Depress		,		Other (Explain in	Remarks)	
	uck Mineral (S1) (LRR N	٧.	☐ Iron-Manganes		(F12) (LRR	N,			
MLRA 14	7, 148)	-,	MLRA 136)						
Sandy Gle	eyed Matrix (S4)		Umbric Surface	e (F13) (MI	LRA 136, 12	22)	3	hydrophytic vegetation and	
Sandy Re	dox (S5)		Piedmont Floo	dplain Soils	s (F19) (MLI	RA 148)	wetland hy	drology must be present,	
Stripped I	Matrix (S6)		Red Parent Ma	terial (F21)) (MLRA 12	7, 147)	unless di	sturbed or problematic.	
Restrictive L	ayer (if observed):								
Type:									
Depth (inc	hes):						Hydric Soil Present?	Yes No	
Remarks:									

Project/Site: Carrollton-Sunnyside	City/e	County: Stark	Sampling Date: 25-Apr-17
Applicant/Owner: AEP		State: OH	Sampling Point: W-PJR-042517-03
Investigator(s): PJR, LCB	Secti	on, Township, Range: S	15 T 10N R 8W
Landform (hillslope, terrace, etc.):	Floodplain Local r	elief (concave, convex, no	one): concave Slope: 2.0% / 1.1 °
Subregion (LRR or MLRA):	Lat.: 40.77	8162 Long	-81.352516 Datum: NAD83
Soil Map Unit Name: SI			NWI classification: N/A
•	on the site typical for this time of year?	Yes No (If no. 6	explain in Remarks.)
Are Vegetation , Soil	, or Hydrology significantly distu		Circumstances" present? Yes No
Are Vegetation . , Soil .	, or Hydrology naturally problem	atic? (If needed, ex	oplain any answers in Remarks.)
Summary of Findings - At	ttach site map showing sampl	ing point locations	s, transects, important features, etc.
Hydrophytic Vegetation Present?	Yes ● No ○		
Hydric Soil Present?	Yes ● No ○	Is the Sampled Area	∕es ● No ○
Wetland Hydrology Present?	Yes ● No ○	within a Wetland?	100
Remarks: PEM/PSS (90/10) wetland			
Hydrology			
Wetland Hydrology Indicators:			Secondary Indicators (minimum of two required)
Primary Indicators (minimum of o			Surface Soil Cracks (B6)
Surface Water (A1)	☐ True Aquatic Plants (B14)		Sparsely Vegetated Concave Surface (B8)
☐ High Water Table (A2) ✓ Saturation (A3)	Hydrogen Sulfide Odor (C1		Drainage Patterns (B10)
Water Marks (B1)	Oxidized Rhizospheres alor Presence of Reduced Iron		Moss Trim Lines (B16) Dry Season Water Table (C2)
Sediment Deposits (B2)	Recent Iron Reduction in T	. ,	Crayfish Burrows (C8)
Drift deposits (B3)	☐ Thin Muck Surface (C7)	[Saturation Visible on Aerial Imagery (C9)
☐ Algal Mat or Crust (B4)	Other (Explain in Remarks)	[Stunted or Stressed Plants (D1)
Iron Deposits (B5)		[Geomorphic Position (D2)
Inundation Visible on Aerial Image	ry (B7)	[Shallow Aquitard (D3)
Water-Stained Leaves (B9)			✓ Microtopographic Relief (D4)
Aquatic Fauna (B13)			✓ FAC-neutral Test (D5)
Field Observations: Surface Water Present? Yes	No Depth (inches):	2	
Water Table Present? Yes			
		Wetland Hydro	ology Present? Yes No
(includes capillary fringe) Yes		<u> </u>	
Describe Recorded Data (stream ga	auge, monitoring well, aerial photos, prev	ious inspections), if availa	ble:
Remarks:			

		Dominant Engaine?		Sampling Point: W-PJR-042517-0	<u> </u>
Tree Stratum (Plot size:)	Absolute % Cover		Indicator Status		
1	0	0.0%		Number of Dominant Species That are OBL, FACW, or FAC:3(A)	١)
2	0	0.0%		Total Number of Descinant	
3		0.0%		Total Number of Dominant Species Across All Strata: 4 (B)	4)
4		0.0%			•
5	0	0.0%		Percent of dominant Species That Are ORL FACW or FAC: 75.0% (A.	/B)
5		0.0%		That Are OBL, FACW, or FAC:	76)
7	0	0.0%		Prevalence Index worksheet:	
3	0	0.0%		Total % Cover of: Multiply by:	
(Digitalization	, _ 0 =	= Total Cove	r	0BL speci es x 1 =	
Sapling-Sapling/Shrub Stratum (Plot size:				FACW species	
1		0.0%		FAC species5 x 3 =15	
2		0.0%		FACU speci es 30 x 4 = 120	
3		0.0%		UPL species $0 \times 5 = 0$	
1		0.0%			(B)
5		0.0%		Column locals. <u>125</u> (A) <u>275</u>	/
5		0.0%		Prevalence Index = B/A = 2.360	
7		0.0%		Hydrophytic Vegetation Indicators:	
3		0.0%		Rapid Test for Hydrophytic Vegetation	
9		0.0%		✓ Dominance Test is > 50%	
)		0.0%		✓ Prevalence Index is ≤3.0 ¹	
Shrub Stratum (Plot size:)		= Total Cove	r	Morphological Adaptations ¹ (Provide supporting	ng
1. Viburnum recognitum	5	✓ 25.0%	FAC	data in Remarks or on a separate sheet)	
2. Spiraea alba	15	✓ 75.0%	FACW	Problematic Hydrophytic Vegetation ¹ (Explain))
3	0	0.0%		¹ Indicators of hydric soil and wetland hydrology ma	ust
4		0.0%		be present, unless disturbed or problematic.	
5		0.0%		Definition of Vegetation Strata:	
5.		0.0%		Four Vegetation Strata:	
7		0.0%		Tree stratum – Consists of woody plants, excluding vines	s, 3 in.
Herb Stratum (Plot size:)		= Total Cove	r	(7.6 cm) or more in diameter at breast height (DBH), regardless of height.	
4 - 4	20	19.0%	OBL	Sapling/shrub stratum – Consists of woody plants, exclu-	
1. Typha angustifolia		✓ 52.4%	FACW	vines, less than 3 in. DBH and greater than 3.28 ft (1 m) to	
2. Scirpus cyperinus		✓ 28.6%	FACU	Herb stratum – Consists of all herbaceous (non-woody) pregardless of size, and all other plants less than 3.28 ft ta	
3. Solidago altissima	0	0.0%	FACU	Woody vines – Consists of all woody vines greater than 3	
1		0.0%		in height.	
5		0.0%			
S		0.0%		Five Vegetation Strata:	
7				Tree - Woody plants, excluding woody vines, approximate	ely 20
3		0.0%		ft (6 m) or more in height and 3 in. (7.6 cm) or larger in diameter at breast height (DBH).	
9		0.0%		Sapling stratum – Consists of woody plants, excluding w	oody
)		0.0%		vines, approximately 20 ft (6 m) or more in height and les than 3 in. (7.6 cm) DBH.	s
		0.0%		Shrub stratum – Consists of woody plants, excluding wo	odv
2	0	0.0%		vines, approximately 3 to 20 ft (1 to 6 m) in height.	ouy
Noody Vine Stratum (Plot size:)	105 =	= Total Cove	r	Herb stratum – Consists of all herbaceous (non-woody) p	
1	0	0.0%		including herbaceous vines, regardless of size, and wood species, except woody vines, less than approximately 3 f	-
2	0	0.0%		m) in height.	
3	0	0.0%		Woody vines – Consists of all woody vines, regardless of	f
1.	0	0.0%		height.	
5		0.0%		Hisdoonhidia	
6.	0	0.0%		Hydrophytic Vegetation	
	0	= Total Cove	r	Present? Yes No	
		- I Otal Cove			

Soil Sampling Point: W-PJR-042517-03

Profile Descr	iption: (Describe to	the depth n	eeded to document	the indic	ator or co	nfirm the a	absence of indicators.)		
Depth									
(inches)	Color (moist)	%	Color (moist)	%_	Tvpe 1	Loc²	Texture	Remarks	
0-12	10YR 5/2	85	10YR 5/6	15	С	M	Silt Loam	Refusal at 12	"; 40% gravei
			-						
								1	
1 Type: C=Cond	centration D-Denletio	n RM-Reduc	ed Matrix CS=Cover	ed or Coate	d Sand Gra	ins 21 oca	tion: PL=Pore Lining. M=N	//atrix	
Hydric Soil I		II. KWI-Keduc	ed Matrix, CS=COVER	ed or coate	a Sana Gra	iiis Loca			2
Histosol (Dark Surface (C7)			Indicators for Probl	lematic Hydric Soi	ils³:
	oedon (A2)		Polyvalue Below	•	(SS) (WII DV	1/17 1/10\	2 cm Muck (A10)) (MLRA 147)	
Black Hist			Thin Dark Surfa				Coast Prairie Red	lox (A16)	
	Sulfide (A4)					40)	(MLRA 147,148)		
	Layers (A5)		Loamy Gleyed✓ Depleted Matri				Piedmont Floodp		
	k (A10) (LRR N)		Redox Dark Su				(MLRA 136, 147)		
	Below Dark Surface (A	11)	Depleted Dark	` '	7)		☐ Very Shallow Dark Surface (TF12)		
	k Surface (A12)	11)	Redox Depress		, ,		Other (Explain in	Remarks)	
	• ,		☐ Iron-Manganes		F12) (LRR I	VI			
MLRA 147	ck Mineral (S1) (LRR N ', 148)	1,	MLRA 136)						
	yed Matrix (S4)		Umbric Surface				3 Indicators of	hydrophytic vegeta	tion and
Sandy Red			Piedmont Floo	dplain Soils	(F19) (MLF	RA 148)	wetland hy	drology must be pre	esent,
Stripped N	Matrix (S6)		Red Parent Ma	terial (F21)	(MLRA 127	7, 147)	unless d	isturbed or problem	atic.
Restrictive La	ayer (if observed):								
Type:									
Depth (incl	nes):						Hydric Soil Present?	Yes No	\circ
Remarks:									
1									

Project/Site: Carrollton-Sunnyside		City/County: Stark	Sampling Date: 25-Apr-17
Applicant/Owner: AEP		State: 0	
Investigator(s): Phil Renner		Section, Township, Range: S	T 10N R 8W
Landform (hillslope, terrace, etc.):	Depression	Local relief (concave, convex,	none): concave Slope: 1.0% / 0.6 °
Subregion (LRR or MLRA):	Lat.:	40.779255 Lo	ng.: -81.354134
Soil Map Unit Name: Fpi1A1		10.777200	NWI classification: NA
Are climatic/hydrologic conditions of	n the site typical for this time of yea	ar? Yes • No O (If no	o, explain in Remarks.)
Are Vegetation \Box , Soil \Box		•	Il Circumstances" present? Yes No
Are Vegetation, Soil	, or Hydrology naturally pr		explain any answers in Remarks.)
,		,	ns, transects, important features, etc.
Hydrophytic Vegetation Present?	Yes ● No ○		
Hydric Soil Present?	Yes ● No ○	Is the Sampled Area	Yes ● No ○
Wetland Hydrology Present?	Yes No	within a Wetland?	ies o No o
Remarks: PEM/PSS (95/5) wetland			
Hydrology			
Wetland Hydrology Indicators:			Secondary Indicators (minimum of two required)
Primary Indicators (minimum of or	ne required; check all that apply)		Surface Soil Cracks (B6)
Surface Water (A1)	True Aquatic Plants		Sparsely Vegetated Concave Surface (B8)
✓ High Water Table (A2)	Hydrogen Sulfide O	, ,	Drainage Patterns (B10)
Saturation (A3)		res along Living Roots (C3)	Moss Trim Lines (B16)
Water Marks (B1)	Presence of Reduce	• •	Dry Season Water Table (C2)
Sediment Deposits (B2)		ion in Tilled Soils (C6)	Crayfish Burrows (C8)
Drift deposits (B3)	☐ Thin Muck Surface	• •	Saturation Visible on Aerial Imagery (C9)
☐ Algal Mat or Crust (B4)☐ Iron Deposits (B5)	Other (Explain in Re	emarks)	Stunted or Stressed Plants (D1)
Inundation Visible on Aerial Imager	ov (P7)		Geomorphic Position (D2)
Water-Stained Leaves (B9)	y (b/)		☐ Shallow Aquitard (D3) ✓ Microtopographic Relief (D4)
Aquatic Fauna (B13)			✓ FAC-neutral Test (D5)
Field Observations:			TAC-hedital rest (bb)
Surface Water Present? Yes	No Depth (inches):	4	
Water Table Present? Yes	No Depth (inches):		
Saturation Present? (includes capillary fringe) Yes	No Depth (inches):	Wetland Hyd	Irology Present? Yes No
Describe Recorded Data (stream ga	auge, monitoring well, aerial photos	s, previous inspections), if ava	ilable:
_			
Remarks:			

		Dominant Species?	Sampling Point: W-PJR-042517-02
Tree Stratum (Plot size:)	Absolute % Cover		I
1		0.0%	Number of Dominant Species That are OBL, FACW, or FAC: (A)
2			Total Number of Dominant
3			Species Across All Strata: 2 (B)
1		0.0%	
5	0	0.0%	Percent of dominant Species That Are OBL FACW or FAC: 100.0% (A/B)
5		0.0%	That Are OBL, FACW, or FAC:100.0% (A/B)
7	0	0.0%	Prevalence Index worksheet:
3		0.0%	Total % Cover of: Multiply by:
Sapling-Sapling/Shrub Stratum (Plot size:	,0 =	= Total Cover	0BL speci es x 1 = 0
		0.0%	FACW species
			FAC speci es <u>5</u> x 3 = <u>15</u>
2.		0.0%	FACU species x 4 =0
3		0.0%	UPL species
·		0.0%	
5			Column Totals: <u>65</u> (A) <u>135</u> (B)
S			Prevalence Index = B/A = 2.077
7		0.0%	Hydrophytic Vegetation Indicators:
3	0		Rapid Test for Hydrophytic Vegetation
9	0		✓ Dominance Test is > 50%
0	0	0.0%	✓ Prevalence Index is ≤3.0 ¹
Shrub Stratum (Plot size:)		= Total Cover	Morphological Adaptations ¹ (Provide supporting
. Viburnum recognitum	5	✓ 100.0% FAC	
2.		0.0%	Problematic Hydrophytic Vegetation ¹ (Explain)
		0.0%	Indicators of hydric soil and wetland hydrology must
3		0.0%	be present, unless disturbed or problematic.
1		0.0%	Definition of Vegetation Strata:
5			Four Vegetation Strata:
5		0.0%	Tree stratum – Consists of woody plants, excluding vines, 3 in.
7			(7.6 cm) or more in diameter at breast height (DBH),
Herb Stratum (Plot size:)	5=	= Total Cover	regardless of height. Sapling/shrub stratum – Consists of woody plants, excluding
. Phalaris arundinacea	60	<u>✓ 100.0%</u> FAC	vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.
2.	0	0.0%	Herb stratum – Consists of all herbaceous (non-woody) plants,
3	0	0.0%	regardless of size, and all other plants less than 3.28 ft tall.
1	0	0.0%	Woody vines – Consists of all woody vines greater than 3.28 ft in height.
5	0	0.0%	
5	0	0.0%	Five Vegetation Strata:
7	0	0.0%	
3.	0	0.0%	Tree - Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and 3 in. (7.6 cm) or larger in
)	0	0.0%	diameter at breast height (DBH).
)	0	0.0%	Sapling stratum – Consists of woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and less
·	0	0.0%	than 3 in. (7.6 cm) DBH.
)		0.0%	Shrub stratum – Consists of woody plants, excluding woody
		= Total Cover	vines, approximately 3 to 20 ft (1 to 6 m) in height.
Noody Vine Stratum (Plot size:)			Herb stratum – Consists of all herbaceous (non-woody) plants, including herbaceous vines, regardless of size, and woody
1		0.0%	species, except woody vines, less than approximately 3 ft (1
2			m) in height.
8	0	0.0%	Woody vines – Consists of all woody vines, regardless of
1	0	0.0%	height.
5		0.0%	Understands
5. 5.	0	0.0%	Hydrophytic Vegetation
· ,			Present? Yes No
	0	= Total Cover	

Soil Sampling Point: W-PJR-042517-02

Profile Descr	iption: (Describe to	the depth ne	eeded to document	the indic	ator or co	nfirm the a	bsence of indicators.)		
Depth									
(inches)	Color (moist)	<u>%</u>	Color (moist)	%	Type	Loc ²	Texture	Remarks	
0-16	10YR 5/1	90	10YR 4/6	10	C	M	Clay Loam		
			-				-		
							-		
							-		
¹ Type: C=Cond	centration. D=Depletio	n. RM=Reduc	ed Matrix, CS=Covere	ed or Coate	d Sand Gra	ins ² Loca	tion: PL=Pore Lining. M=Ma	atrix	
Hydric Soil I	indicators:						Indicators for Proble	matic Hydric Soils ³ :	
Histosol (A1)		Dark Surface (S7)			2 cm Muck (A10)		
Histic Epip	pedon (A2)		Polyvalue Belo	w Surface (S8) (MLRA	147,148)		•	
Black Hist	ic (A3)		Thin Dark Surf				Coast Prairie Redo (MLRA 147,148)	x (A16)	
Hydrogen	Sulfide (A4)		Loamy Gleyed	Matrix (F2)				sin Coile (F10)	
Stratified	Layers (A5)		✓ Depleted Matri				Piedmont Floodpla (MLRA 136, 147)	ain Soils (F19)	
2 cm Mucl	k (A10) (LRR N)		Redox Dark Su				Very Shallow Dark	Surface (TF12)	
	Below Dark Surface (A	11)	Depleted Dark	Surface (F	7)				
	k Surface (A12)	,	Redox Depress		,		Other (Explain in I	Remarks)	
	ck Mineral (S1) (LRR N	ı	Iron-Manganes		F12) (LRR I	N.			
MLRA 147	7, 148)	,	MLRA 136)						
	eyed Matrix (S4)		Umbric Surface				3 Indicators of I	nydrophytic vegetation and	
Sandy Red			Piedmont Floo	dplain Soils	(F19) (MLF	RA 148)	wetland hyd	rology must be present,	
Stripped M	Matrix (S6)		Red Parent Ma	iterial (F21)	(MLRA 12	7, 147)	unless dis	turbed or problematic.	
Restrictive La	ayer (if observed):								
Type:									
Depth (incl	hes):						Hydric Soil Present?	Yes ● No ○	
Remarks:									
romano.									

Project/Site: Carrollton-Sunnyside		City/County: Stark	Sampling Date: 25-Apr-17
Applicant/Owner: AEP		State: OF	
Investigator(s): PJR, LCB		Section, Township, Range: S	T 10N R 8W
Landform (hillslope, terrace, etc.):	Depression	Local relief (concave, convex, ı	none): concave Slope: 10.0% / 5.7 °
Subregion (LRR or MLRA): LRR N	Lat.:	40.779527 Lo i	ng.: -81.354301
Soil Map Unit Name: Fpi1A1		10.777027	NWI classification: PEM
Are climatic/hydrologic conditions on	the site typical for this time of year	ar? Yes $lacktriangle$ No $lacktriangle$ (If no	, explain in Remarks.)
Are Vegetation $\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \$, or Hydrology 🔲 significantly	y disturbed? Are "Norma	l Circumstances" present? Yes ● No ○
Are Vegetation \Box , Soil \Box	, or Hydrology 🔲 naturally pr	oblematic? (If needed,	explain any answers in Remarks.)
Summary of Findings - Att	ach site map showing sa	ampling point location	ns, transects, important features, etc.
Hydrophytic Vegetation Present?	Yes No		
Hydric Soil Present?	Yes No	Is the Sampled Area	Yes ● No ○
Wetland Hydrology Present?	Yes ● No ○	within a Wetland?	res C NO C
Remarks: PEM wetland			
Hydrology			
Wetland Hydrology Indicators:			Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one	e required; check all that apply)		Surface Soil Cracks (B6)
Surface Water (A1)	True Aquatic Plants	(B14)	Sparsely Vegetated Concave Surface (B8)
✓ High Water Table (A2)	Hydrogen Sulfide O	• •	✓ Drainage Patterns (B10)
Saturation (A3)		res along Living Roots (C3)	Moss Trim Lines (B16)
Water Marks (B1) Sediment Deposits (B2)	Presence of Reduce	• •	Dry Season Water Table (C2)
Drift deposits (B3)	Thin Muck Surface	ion in Tilled Soils (C6)	Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9)
Algal Mat or Crust (B4)	Other (Explain in Re	. ,	Stunted or Stressed Plants (D1)
Iron Deposits (B5)	U Other (Explain in Re	erridiks)	Geomorphic Position (D2)
Inundation Visible on Aerial Imagery	(B7)		Shallow Aquitard (D3)
Water-Stained Leaves (B9)			✓ Microtopographic Relief (D4)
Aquatic Fauna (B13)			FAC-neutral Test (D5)
Field Observations:	$\overline{}$		
Surface Water Present? Yes O		4	
Water Table Present? Yes	No Depth (inches):		rology Present? Yes No
Saturation Present? (includes capillary fringe) Yes	No O Depth (inches):	44	rology Present? Tes C NO C
Describe Recorded Data (stream gau	uge, monitoring well, aerial photos	s, previous inspections), if avai	ilable:
Remarks:			

		Dominant Cassics 2	Sampling Point: W-PJR-042517-01
Tree Stratum (Plot size:)	Absolute % Cover		
1	0	0.0%	Number of Dominant Species That are OBL, FACW, or FAC:1 (A)
2	0	0.0%	
3		0.0%	Total Number of Dominant Species Across All Strata: 1 (B)
		0.0%	Species Across All Strata.
		0.0%	Percent of dominant Species
		0.0%	That Are OBL, FACW, or FAC:100.0% (A/B)
S		0.0%	Burnelous Tudous state to
<u></u>			Prevalence Index worksheet: Total % Cover of: Multiply by:
S		0.0%	
Sapling-Sapling/Shrub Stratum (Plot size:) =	= Total Cover	0BL speci es x 1 =0
		0.0%	FACW species
		0.0%	FAC speci es x 3 = 0
		0.0%	FACU species x 4 = 0
	_	0.0%	UPL species $0 \times 5 = 0$
•			Column Totals: 75 (A) 150 (B)
)		0.0%	Cordini Total S (A) (7)
		0.0%	Prevalence Index = B/A = 2.000
.			Hydrophytic Vegetation Indicators:
3			✓ Rapid Test for Hydrophytic Vegetation
)			✓ Dominance Test is > 50%
	0	0.0%	✓ Prevalence Index is ≤3.0 ¹
Shrub Stratum (Plot size:)		= Total Cover	Morphological Adaptations ¹ (Provide supporting
		0.0%	data in Remarks or on a separate sheet)
·		0.0%	Problematic Hydrophytic Vegetation ¹ (Explain)
		0.0%	1 Todicators of hydric cell and westered hydrology west
3			¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
J			
j		0.0%	Definition of Vegetation Strata:
5	0		Four Vegetation Strata:
7			Tree stratum – Consists of woody plants, excluding vines, 3 in (7.6 cm) or more in diameter at breast height (DBH),
lerb Stratum (Plot size:)		= Total Cover	regardless of height.
. Phalaris arundinacea		✓ 100.0% FACW	Sapling/shrub stratum – Consists of woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.
		0.0%	Herb stratum – Consists of all herbaceous (non-woody) plants
b		0.0%	regardless of size, and all other plants less than 3.28 ft tall.
		0.0%	Woody vines – Consists of all woody vines greater than 3.28 ft
	-	0.0%	in height.
		0.0%	F. V
		0.0%	Five Vegetation Strata:
 3		0.0%	Tree - Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and 3 in. (7.6 cm) or larger in
			diameter at breast height (DBH).
)		0.0%	Sapling stratum – Consists of woody plants, excluding woody
)		0.0%	vines, approximately 20 ft (6 m) or more in height and less than 3 in. (7.6 cm) DBH.
		0.0%	Shrub stratum – Consists of woody plants, excluding woody
2		0.0%	vines, approximately 3 to 20 ft (1 to 6 m) in height.
Voody Vine Stratum (Plot size:)	=	= Total Cover	Herb stratum – Consists of all herbaceous (non-woody) plants
	0		including herbaceous vines, regardless of size, and woody species, except woody vines, less than approximately 3 ft (1
· .	0	0.0%	m) in height.
3.		0.0%	Woody vines – Consists of all woody vines, regardless of
Ĺ		0.0%	height.
·		0.0%	
	0	0.0%	Hydrophytic
S		= Total Cover	Vegetation Present? Yes No

Soil Sampling Point: W-PJR-042517-01

Profile Descr	iption: (Describe to	the depth ne	eeded to document	the indic	ator or co	nfirm the a	bsence of indicators.)		
Depth									
(inches)	Color (moist)	<u>%</u>	Color (moist)	%	Type	Loc ²	Texture	Remarks	
0-16	10YR 5/1	90	10YR 4/6	10	C	M	Clay Loam		
			-						
¹ Type: C=Cond	centration. D=Depletio	n. RM=Reduc	ed Matrix, CS=Covere	ed or Coate	d Sand Gra	ins ² Loca	tion: PL=Pore Lining. M=Ma	atrix	
Hydric Soil I	ndicators:						Indicators for Proble	ematic Hydric Soils ³ :	
Histosol (A1)		Dark Surface (S7)			2 cm Muck (A10)		
Histic Epip	pedon (A2)		Polyvalue Belov	w Surface (S8) (MLRA	147,148)		,	
Black Hist	ic (A3)		Thin Dark Surfa				Coast Prairie Redo (MLRA 147,148)	ox (A16)	
Hydrogen	Sulfide (A4)		Loamy Gleyed	Matrix (F2)				Soile (F10)	
Stratified	Layers (A5)		✓ Depleted Matri				Piedmont Floodpla (MLRA 136, 147)	ain Soils (F19)	
2 cm Mucl	k (A10) (LRR N)		Redox Dark Su				Very Shallow Dark	Surface (TE12)	
	Below Dark Surface (A	11)	Depleted Dark	Surface (F	7)				
	k Surface (A12)	,	Redox Depress		,		Other (Explain in	Remarks)	
	ck Mineral (S1) (LRR N	ı	☐ Iron-Manganes		F12) (LRR I	N.			
MLRA 147	7, 148)	ı,	MLRA 136)						
	yed Matrix (S4)		Umbric Surface				³ Indicators of I	nydrophytic vegetation and	
Sandy Red			☐ Piedmont Floo				wetland hyd	rology must be present,	
Stripped M	Matrix (S6)		Red Parent Ma	iterial (F21)	(MLRA 12	7, 147)	unless dis	turbed or problematic.	
Restrictive La	ayer (if observed):								
Type:									
Depth (incl	nes):						Hydric Soil Present?	Yes ● No ○	
Remarks:									
romano.									

Project/Site: Carrollton-Sunnyside		City/	County: Carroll County	Sampling Date: 27-Apr-17
Applicant/Owner: AEP			State: OF	
Investigator(s): PJR, LCB		Secti	ion, Township, Range: S	33 T 14N R 5W
Landform (hillslope, terrace, etc.):	Hillside	Local r	elief (concave, convex, r	none): concave Slope: 15.0% / 8.5 °
Subregion (LRR or MLRA):		Lat.: 40,59	2272 Lo r	ng.: -81.091265
Soil Map Unit Name: WmC		40.37	2070	NWI classification: N/A
Are climatic/hydrologic conditions o	n the site to	ical for this time of year?	Yes No (If no	, explain in Remarks.)
Are Vegetation \square , Soil \square	or Hydrolo,			I Circumstances" present? Yes No
Are Vegetation, Soil	, or Hydrold	gy 🔲 naturally problem	atic? (If needed,	explain any answers in Remarks.)
Summary of Findings - At	tach site	map showing sampl		ns, transects, important features, etc.
Hydrophytic Vegetation Present?	Yes 🔾	No •		
Hydric Soil Present?	Yes \bigcirc	No •	Is the Sampled Area	Yes ○ No ●
Wetland Hydrology Present?	Yes \bigcirc	No •	within a Wetland?	ies o No o
Remarks: Upland data point for w-pjr-04251	7-01.			
Hydrology				
Wetland Hydrology Indicators:				Secondary Indicators (minimum of two required)
Primary Indicators (minimum of o	ne required;	check all that apply)		Surface Soil Cracks (B6)
Surface Water (A1)		True Aquatic Plants (B14)		Sparsely Vegetated Concave Surface (B8)
High Water Table (A2)		Hydrogen Sulfide Odor (C1	•	Drainage Patterns (B10)
Saturation (A3)		Oxidized Rhizospheres alor		Moss Trim Lines (B16)
Water Marks (B1)		Presence of Reduced Iron		Dry Season Water Table (C2)
Sediment Deposits (B2)		Recent Iron Reduction in T	filled Soils (C6)	Crayfish Burrows (C8)
Drift deposits (B3)		☐ Thin Muck Surface (C7)		Saturation Visible on Aerial Imagery (C9)
Algal Mat or Crust (B4)		Other (Explain in Remarks))	Stunted or Stressed Plants (D1)
☐ Iron Deposits (B5)☐ Inundation Visible on Aerial Image	n/(D7)			Geomorphic Position (D2)
Water-Stained Leaves (B9)	у (Б/)			☐ Shallow Aquitard (D3) ☐ Microtopographic Relief (D4)
Aquatic Fauna (B13)				FAC-neutral Test (D5)
Field Observations:				FAC-Heuti ai Test (D5)
Surface Water Present? Yes	No ●	Depth (inches):		
Water Table Present? Yes	No ●	Depth (inches):		
Saturation Present? (includes capillary frings) Yes	_		Wetland Hyd	rology Present? Yes O No 💿
(includes capillally milige)		Depth (inches):		
Describe Recorded Data (stream ga	auge, monito	ring well, aerial photos, prev	ious inspections), if avai	llable:
Domarko				
Remarks:				
I .				

		Dominant		Sampling Point: UP-PJR-042717-01
Tree Stratum (Plot size:)	Absolute % Cover		Indicator Status	
1	0	0.0%		Number of Dominant Species That are OBL, FACW, or FAC: 0 (A)
2	0	0.0%		
3		0.0%		Total Number of Dominant Species Across All Strata: 1 (B)
4		0.0%		
5		0.0%		Percent of dominant Species That Are OBL FACW or FAC: 0.0% (A/B)
6		0.0%		That Are OBL, FACW, or FAC: 0.0% (A/B)
7		0.0%		Prevalence Index worksheet:
8		0.0%		Total % Cover of: Multiply by:
(Diet size)	,0 =	= Total Cove	r	0BL speci es0 x 1 =0
Sapling-Sapling/Shrub Stratum (Plot size:	_			FACW species 0 x 2 = 0
1		0.0%		FAC species0 _ x 3 =0
2		0.0%		FACU species 70 x 4 = 280
3		0.0%		UPL species $\frac{15}{2}$ x 5 = $\frac{75}{2}$
4				
5		0.0%_		Column Total s: <u>85</u> (A) <u>355</u> (B)
6		0.0%_		Prevalence Index = B/A = 4.176
7		0.0%		Hydrophytic Vegetation Indicators:
8		0.0%		Rapid Test for Hydrophytic Vegetation
9	0	0.0%		Dominance Test is > 50%
0	0	0.0%		Prevalence Index is ≤3.0 ¹
Shrub Stratum (Plot size:)	0=	= Total Cove	r	Morphological Adaptations ¹ (Provide supporting
1	0	0.0%		data in Remarks or on a separate sheet)
2.		0.0%		Problematic Hydrophytic Vegetation ¹ (Explain)
3.	0	0.0%		¹ Indicators of hydric soil and wetland hydrology must
4		0.0%		be present, unless disturbed or problematic.
5		0.0%		Definition of Vegetation Strata:
6		0.0%		Four Vegetation Strata:
		0.0%		Tree stratum – Consists of woody plants, excluding vines, 3 in
7		= Total Cove	r	(7.6 cm) or more in diameter at breast height (DBH), regardless of height.
Herb Stratum (Plot size:)				Sapling/shrub stratum – Consists of woody plants, excluding
1. Rosa multiflora		5.9%	FACU	vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.
2. Plantago lanceolata		17.6%	UPL	Herb stratum – Consists of all herbaceous (non-woody) plants regardless of size, and all other plants less than 3.28 ft tall.
3. Poa pratensis		58.8%	FACU	
4. Achillea millefolium		17.6%	FACU	Woody vines – Consists of all woody vines greater than 3.28 ft in height.
5				
6				Five Vegetation Strata:
7		0.0%		Tree - Woody plants, excluding woody vines, approximately 20
8		0.0%		ft (6 m) or more in height and 3 in. (7.6 cm) or larger in diameter at breast height (DBH).
9				Sapling stratum – Consists of woody plants, excluding woody
0		0.0%		vines, approximately 20 ft (6 m) or more in height and less
1		0.0%		than 3 in. (7.6 cm) DBH.
2	0	0.0%		Shrub stratum – Consists of woody plants, excluding woody vines, approximately 3 to 20 ft (1 to 6 m) in height.
Woody Vine Stratum (Plot size:)	85=	= Total Cove	r	Herb stratum – Consists of all herbaceous (non-woody) plants
1	0	0.0%		including herbaceous vines, regardless of size, and woody
2.	0	0.0%		species, except woody vines, less than approximately 3 ft (1 m) in height.
3.	0	0.0%		Woody vines – Consists of all woody vines, regardless of
4		0.0%		height.
 5		0.0%		
	0	0.0%		Hydrophytic Vegetation
6		= Total Cove		Present? Yes No No
	U	- 10tal C0V6	51	

Soil Sampling Point: UP-PJR-042717-01

Profile Descr		the depth n				nfirm the a	absence of indicators.)	
Depth							Tantonia	Danissalas
(inches) 0-16	Color (moist) 10YR 6/2	%_	Color (moist) 10YR 5/6	% 45	Type 1	Loc²	Texture Silt Loam	Remarks
U-10	101R 0/2		101K 5/6	_ 45			SIII LOAIII	
								•
					-			
	<u>-</u>		-	_				•
	-							
				_				
					_			
¹ Type: C=Con	centration. D=Depletio	n. RM=Reduc	ed Matrix, CS=Cover	ed or Coate	ed Sand Gra	ains ² Loca	tion: PL=Pore Lining. M=N	1atrix
Hydric Soil 1	Indicators:						Indicators for Probl	ematic Hydric Soils ³ :
Histosol (A1)		Dark Surface ((S7)			2 cm Muck (A10)	
Histic Epi	pedon (A2)		Polyvalue Belo	w Surface	(S8) (MLRA	147,148)		
Black Hist			Thin Dark Surf	ace (S9) (N	MLRA 147, 1	148)	Coast Prairie Red (MLRA 147,148)	UX (A10)
	Sulfide (A4)		Loamy Gleyed	Matrix (F2))		Piedmont Floodp	lain Soils (F19)
	Layers (A5)		Depleted Matri				(MLRA 136, 147)	
2 cm Muc	k (A10) (LRR N)		Redox Dark Su				Very Shallow Da	k Surface (TF12)
	Below Dark Surface (A	11)	Depleted Dark		7)		Other (Explain in	Remarks)
	k Surface (A12)		Redox Depress		(540) (155			
Sandy Mu MLRA 147	ıck Mineral (S1) (LRR N 7, 148)	١,	Iron-Manganes MLRA 136)					
Sandy Gle	eyed Matrix (S4)		Umbric Surface	e (F13) (M	LRA 136, 12	22)	3	
Sandy Re	dox (S5)		☐ Piedmont Floo	dplain Soils	s (F19) (ML	RA 148)	wetland hy	hydrophytic vegetation and drology must be present,
Stripped I	Matrix (S6)		Red Parent Ma	aterial (F21) (MLRA 12	7, 147)	unless d	isturbed or problematic.
Restrictive L	ayer (if observed):							
Туре:								
Depth (inc	hes):						Hydric Soil Present?	Yes O No 💿
Remarks:							l	

Project/Site: Carrollton-Sunnyside		City/County: Carroll County	Sampling Date: 27-Apr-17
Applicant/Owner: AEP		State: OF	
Investigator(s): PJR, LCB		Section, Township, Range: S	
Landform (hillslope, terrace, etc.):	lillside L	ocal relief (concave, convex, r.	
Subregion (LRR or MLRA):			ng.: -81.099383
Soil Map Unit Name: WmD	Lati	40.597237	NWI classification: N/A
•		nr? Yes • No O (If no	
Are climatic/hydrologic conditions on th		•	, explain in Remarks.)
Are Vegetation , Soil , , ,	or Hydrology	disturbed? Are "Norma	I Circumstances" present? Yes No
Are Vegetation U , Soil U , o	or Hydrology	oblematic? (If needed,	explain any answers in Remarks.)
Summary of Findings - Atta	ch site map showing sa	ampling point location	ns, transects, important features, etc.
Hydrophytic Vegetation Present?	res ○ No •		
Hydric Soil Present?	res ○ No •	Is the Sampled Area	Yes ○ No ●
Wetland Hydrology Present?	res ○ No •	within a Wetland?	res UNU U
Remarks:			
Hydrology			
Wetland Hydrology Indicators:			Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one r	equired; check all that apply)		Surface Soil Cracks (B6)
Surface Water (A1)	True Aquatic Plants		Sparsely Vegetated Concave Surface (B8)
High Water Table (A2)	Hydrogen Sulfide Oc	• •	Drainage Patterns (B10)
Saturation (A3)		res along Living Roots (C3)	Moss Trim Lines (B16)
Water Marks (B1) Sediment Deposits (B2)	Presence of Reduced	d Iron (C4) on in Tilled Soils (C6)	☐ Dry Season Water Table (C2) ☐ Crayfish Burrows (C8)
Drift deposits (B3)	Thin Muck Surface (• •	Saturation Visible on Aerial Imagery (C9)
Algal Mat or Crust (B4)	Other (Explain in Re	,	Stunted or Stressed Plants (D1)
☐ Iron Deposits (B5)	other (Explain in the	marksy	Geomorphic Position (D2)
Inundation Visible on Aerial Imagery (E	37)		Shallow Aquitard (D3)
Water-Stained Leaves (B9)			Microtopographic Relief (D4)
Aquatic Fauna (B13)			FAC-neutral Test (D5)
Field Observations: Surface Water Present? Yes	No Depth (inches):		
		Wetland Hvd	rology Present? Yes O No •
Saturation Present? (includes capillary fringe) Yes	No Depth (inches):		
Describe Recorded Data (stream gaug	e, monitoring well, aerial photos	, previous inspections), if avai	ilable:
Remarks:			

		Doi	-12		Sampling Point: <u>UP-PJR-042717-02</u>
Tree Stratum (Plot size:)	Absolute % Cover	Rel		Indicator Status	
1	0		0.0%		Number of Dominant Species That are OBL, FACW, or FAC: (A)
2	0		0.0%		Total Number of Descious
3	0		0.0%		Total Number of Dominant Species Across All Strata: 2 (B)
4			0.0%		
5			0.0%		Percent of dominant Species That Are ORL FACW or FAC: 0.0% (A/B)
6			0.0%		That Are OBL, FACW, or FAC: 0.0% (A/B)
7	0		0.0%		Prevalence Index worksheet:
8	0		0.0%		Total % Cover of: Multiply by:
Sapling-Sapling/Shrub Stratum (Plot size:) =	= Tot	al Cover		0BL speci es x 1 = 0
	_	П	0.0%		FACW species 0 x 2 = 0
1		Н-	0.0%		FAC species 0 x 3 = 0
2		<u> </u>	0.0%		FACU species 10 x 4 = 40
3		_	0.0%		UPL species $35 \times 5 = 175$
4		_	0.0%		Col umn Total s: 45 (A) 215 (B)
5		<u> </u>	0.0%		
6		_	0.0%		Prevalence Index = B/A =4.778
7		<u> </u>	0.0%		Hydrophytic Vegetation Indicators:
8		H-	0.0%		Rapid Test for Hydrophytic Vegetation
9		Η-			☐ Dominance Test is > 50%
0	^	Ш_	0.0%		Prevalence Index is ≤3.0 ¹
Shrub Stratum (Plot size:)		= lot	al Cover		Morphological Adaptations ¹ (Provide supporting
1		Ц_	0.0%		data in Remarks or on a separate sheet)
2		Ц_	0.0%		Problematic Hydrophytic Vegetation ¹ (Explain)
3		\sqcup _	0.0%		Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
4		\sqcup_{-}	0.0%		
5	0	\sqcup _	0.0%		Definition of Vegetation Strata:
6	0	Ц_	0.0%		Four Vegetation Strata:
7	0	\sqcup_{-}	0.0%		Tree stratum – Consists of woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH),
Herb Stratum_ (Plot size:)	0 =	= Tot	al Cover		regardless of height.
1. Brassica rapa	35	v _	77.8%	UPL	Sapling/shrub stratum – Consists of woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.
2. Prunella vulgaris	10		22.2%	FACU	Herb stratum – Consists of all herbaceous (non-woody) plants,
3	0		0.0%		regardless of size, and all other plants less than 3.28 ft tall.
4	0		0.0%		Woody vines – Consists of all woody vines greater than 3.28 ft
5	0		0.0%		in height.
6	0		0.0%		Five Vegetation Strata:
7	0		0.0%		Tree - Woody plants, excluding woody vines, approximately 20
8	0		0.0%		ft (6 m) or more in height and 3 in. (7.6 cm) or larger in
9	0		0.0%		diameter at breast height (DBH).
0	0		0.0%		Sapling stratum – Consists of woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and less
1			0.0%		than 3 in. (7.6 cm) DBH.
2	0		0.0%		Shrub stratum – Consists of woody plants, excluding woody vines, approximately 3 to 20 ft (1 to 6 m) in height.
Woody Vine Stratum (Plot size:)	45 =	= Tot	al Cover		Herb stratum – Consists of all herbaceous (non-woody) plants,
	0		0.0%		including herbaceous vines, regardless of size, and woody
1	0		0.0%		species, except woody vines, less than approximately 3 ft (1 m) in height.
2	0		0.0%		Woody vines – Consists of all woody vines, regardless of
3			0.0%		height.
4					
5		 -	0.0%		Hydrophytic
6		Ц_ _ т	0.0%		Vegetation Present? Yes No •
	0	= Tot	tal Cove	r	

Soil Sampling Point: UP-PJR-042717-02

Depth	Matrix		Red	ox Featu				
(inches)	Color (moist)	<u>%</u>	Color (moist)	%	Tvpe 1	Loc ²	Texture	Remarks
0-16	10YR 3/3	100					Silt Loam	
				-				
				-		-		
				-			-	
Evne: C=Con	centration D=Depletic	n RM=Redu	ced Matrix CS=Covere	d or Coate	d Sand Gra	ins 21 oca	tion: PL=Pore Lining. M=Ma	ntrix
		on: raw-redu	ded Matrix, 00-00vere		a dana dia	III3 LOCA		
lydric Soil I				7)			Indicators for Proble	matic Hydric Soils ³ :
Histosol (Dark Surface (S	,	20) (841.5)	147.440`	2 cm Muck (A10)	(MLRA 147)
_	pedon (A2)		Polyvalue Below				Coast Prairie Redo	x (A16)
☐ Black Hist ☐			Thin Dark Surfa		LRA 147, 1	48)	(MLRA 147,148)	,
_	Sulfide (A4)		Loamy Gleyed N				Piedmont Floodpla	nin Soils (F19)
_	Layers (A5)		Depleted Matrix				(MLRA 136, 147)	
2 cm Muc	k (A10) (LRR N)		Redox Dark Sur				Very Shallow Dark	Surface (TF12)
Depleted	Below Dark Surface (A	\11)	Depleted Dark S	Surface (F7)		Other (Explain in	Remarks)
Thick Dar	k Surface (A12)		Redox Depressi					
Sandy Mu MLRA 147	ick Mineral (S1) (LRR N 7, 148)	Ν,	Iron-Manganese MLRA 136)	e Masses (F	12) (LRR I	٧,		
Sandy Gle	eyed Matrix (S4)		Umbric Surface	(F13) (ML	RA 136, 12	2)		
Sandy Re			Piedmont Flood	plain Soils	(F19) (MLF	RA 148)	³ Indicators of I	nydrophytic vegetation and
_	Matrix (S6)		Red Parent Mat				wetiand nyd unless dis	rology must be present, turbed or problematic.
estrictive L	ayer (if observed):							
Type:								0 0
Depth (inc	hes):						Hydric Soil Present?	Yes O No 💿
Remarks:							1	

Project/Site: Carrollton-Sunnyside		City/County: Carroll County	Sampling Date: 27-Apr-17
Applicant/Owner: AEP		State: 0	H Sampling Point: UP-PJR-042717-03
Investigator(s): PJR, LCB		Section, Township, Range: S	T 15N R 6W
Landform (hillslope, terrace, etc.):	Floodplain	Local relief (concave, convex,	none): none Slope:/
Subregion (LRR or MLRA):	·	: 40.598332 Lo	ng.: -81.101937
Soil Map Unit Name: WmD		40.370332	NWI classification: N/A
	and the other hands of females above a fe-	vear? Yes No (If no	
Are climatic/hydrologic conditions of		,	o, explain in Remarks.)
Are Vegetation, Soil			F. G.
Are Vegetation , Soil .	, or Hydrology	problematic? (If needed,	explain any answers in Remarks.)
Summary of Findings - A	ttach site map showing	sampling point location	ns, transects, important features, etc.
Hydrophytic Vegetation Present?	Yes ○ No •		
Hydric Soil Present?	Yes O No 💿	Is the Sampled Area	Yes ○ No ●
Wetland Hydrology Present?	Yes ○ No •	within a Wetland?	Yes ○ No ●
Remarks:			
Upland data point for w-pjr-0425	17-03		
opiana data point for W pj. 0120	17 00.		
Hydrology			
Wetland Hydrology Indicators:			
Primary Indicators (minimum of o	one required: check all that annly)		Secondary Indicators (minimum of two required) Surface Soil Cracks (B6)
Surface Water (A1)	True Aquatic Plai		Sparsely Vegetated Concave Surface (B8)
High Water Table (A2)	Hydrogen Sulfide		Drainage Patterns (B10)
Saturation (A3)	_ , ,	heres along Living Roots (C3)	Moss Trim Lines (B16)
Water Marks (B1)	Presence of Redu		Dry Season Water Table (C2)
Sediment Deposits (B2)	Recent Iron Redu	uction in Tilled Soils (C6)	Crayfish Burrows (C8)
Drift deposits (B3)	☐ Thin Muck Surfac	e (C7)	Saturation Visible on Aerial Imagery (C9)
Algal Mat or Crust (B4)	Other (Explain in	Remarks)	Stunted or Stressed Plants (D1)
Iron Deposits (B5)			Geomorphic Position (D2)
Inundation Visible on Aerial Image	ery (B7)		Shallow Aquitard (D3)
Water-Stained Leaves (B9)			Microtopographic Relief (D4)
Aquatic Fauna (B13)			FAC-neutral Test (D5)
Field Observations: Surface Water Present? Yes	No Depth (inches):		
		Wetland Hyd	Irology Present? Yes O No 💿
(includes capillary fringe) Yes	No Depth (inches):		
Describe Recorded Data (stream g	gauge, monitoring well, aerial pho	tos, previous inspections), if ava	ilable:
Remarks:			

		C	00:002		Sampling Point: <u>UP-PJR-042717-03</u>
Tree Stratum (Plot size:)	Absolute % Cover	Re	ecies? - el.Strat. ever	Indicator Status	
1. Quercus rubra	65	V	100.0%	FACU	Number of Dominant Species That are OBL, FACW, or FAC:1(A)
2	0		0.0%		Total Number of Dominant
3	0		0.0%		Species Across All Strata:4(B)
4			0.0%		
5	0	Ш.	0.0%		Percent of dominant Species That Are OBL, FACW, or FAC:25.0% (A/B)
6	0		0.0%		That are OBL, FACW, or FAC.
7	0	Ш.	0.0%		Prevalence Index worksheet:
8	0		0.0%		Total % Cover of: Multiply by:
Sapling-Sapling/Shrub Stratum (Plot size:)65 =	= To	tal Cover		0BL speci es x 1 =0
1	_		0.0%		FACW species 0 x 2 = 0
2		\Box	0.0%		FAC speci es 15 x 3 = 45
3		\Box	0.0%		FACU species85
3 4		\Box	0.0%		UPL speci es $\frac{30}{100}$ x 5 = $\frac{150}{100}$
5		$\overline{\Box}$	0.0%		Column Totals: 130 (A) 535 (B)
6		\Box	0.0%		Provolence Index P/A 4.11E
o 7		\Box	0.0%		Prevalence Index = B/A = 4.115
		$\overline{\Box}$	0.0%		Hydrophytic Vegetation Indicators:
8 9		\Box	0.0%		Rapid Test for Hydrophytic Vegetation
		\Box	0.0%		Dominance Test is > 50%
0	0	—. - Ta	tal Cover		Prevalence Index is ≤3.0 ¹
Shrub Stratum (Plot size:)		_ 10			Morphological Adaptations ¹ (Provide supporting
1		Н.	0.0%		data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation ¹ (Explain)
2	0	Н.	0.0%		Problematic Hydrophytic Vegetation - (Explain)
3		Ц.	0.0%		Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
4		\sqcup	0.0%		
5	0	\sqsubseteq	0.0%		Definition of Vegetation Strata:
6	0	\square	0.0%		Four Vegetation Strata:
7	0		0.0%		Tree stratum – Consists of woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH),
Herb Stratum (Plot size:)		= To	tal Cover		regardless of height.
1. Alliaria petiolata		V	30.8%	FACU	Sapling/shrub stratum – Consists of woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.
2. Claytonia virginica	15	V	23.1%	FAC	Herb stratum – Consists of all herbaceous (non-woody) plants,
3. Carex pensylvanica	30	V	46.2%	UPL	regardless of size, and all other plants less than 3.28 ft tall.
4	0		0.0%		Woody vines – Consists of all woody vines greater than 3.28 ft in height.
5	0		0.0%		in noight.
6	0	\square	0.0%		Five Vegetation Strata:
7	0	Ш.	0.0%		Tree - Woody plants, excluding woody vines, approximately 20
8	0	\square	0.0%		ft (6 m) or more in height and 3 in. (7.6 cm) or larger in
9	0		0.0%		diameter at breast height (DBH).
0	0		0.0%		Sapling stratum – Consists of woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and less
1	0		0.0%		than 3 in. (7.6 cm) DBH.
2	0		0.0%		Shrub stratum – Consists of woody plants, excluding woody vines, approximately 3 to 20 ft (1 to 6 m) in height.
Woody Vine Stratum (Plot size:)	65=	= To	tal Cover		Herb stratum – Consists of all herbaceous (non-woody) plants,
1	0		0.0%		including herbaceous vines, regardless of size, and woody
2	0		0.0%		species, except woody vines, less than approximately 3 ft (1 m) in height.
		\Box	0.0%		Woody vines – Consists of all woody vines, regardless of
3 4		\Box	0.0%		height.
			0.0%		
5			0.0%		Hydrophytic
6		Ш.			Vegetation Present? Yes No •
	0	— T₂	otal Cove		rieselle:

Soil Sampling Point: UP-PJR-042717-03

Depth	Matrix		Red	ox Featu				
(inches)	Color (moist)	<u>%</u>	Color (moist)	%	Tvpe 1	Loc²	Texture	Remarks
0-16	10YR 4/4	100					Silt Loam	
						-		
Type: C=Con	centration D=Depletic	n RM=Redu	iced Matrix, CS=Covere	d or Coate	d Sand Gra	ins 2Loca	tion: PL=Pore Lining. M=Ma	trix
		JII. KIVI—KOGO	iced Matrix, 05-00vere	u or ooute	a barra bra	III3 LOCA		
lydric Soil I			Dorl Confee (0	7)			Indicators for Problem	matic Hydric Soils ³ :
☐ Histosol (A			Dark Surface (S	,	00) (44) 5 :	147.440`	2 cm Muck (A10) (MLRA 147)
_	pedon (A2)		Polyvalue Below				Coast Prairie Redox	κ (A16)
Black Hist			Thin Dark Surfa		LRA 147, 1	48)	(MLRA 147,148)	• •
_	Sulfide (A4)		Loamy Gleyed N				Piedmont Floodpla	in Soils (F19)
_	Layers (A5)		Depleted Matrix				(MLRA 136, 147)	
2 cm Muc	k (A10) (LRR N)		Redox Dark Sur				Very Shallow Dark	Surface (TF12)
Depleted	Below Dark Surface (A	11)	Depleted Dark S	Surface (F7	')		Other (Explain in R	lemarks)
Thick Dar	k Surface (A12)		Redox Depressi	ons (F8)				,
Sandy Mu MLRA 147	ick Mineral (S1) (LRR N 7, 148)	٧,	Iron-Manganese MLRA 136)	e Masses (F12) (LRR I	٧,		
Sandy Gle	eyed Matrix (S4)		Umbric Surface	(F13) (ML	RA 136, 12	2)	_	
Sandy Red			Piedmont Flood	plain Soils	(F19) (MLF	RA 148)	³ Indicators of h	ydrophytic vegetation and
	Matrix (S6)		Red Parent Mat				wetiand nydr unless dist	ology must be present, urbed or problematic.
Restrictive La	ayer (if observed):							
Type:								
Depth (incl	hes):						Hydric Soil Present?	Yes O No 💿
Remarks:								

Project/Site: Carrollton-Sunnyside		City/County: Carroll County	Sampling Date: 27-Apr-17
Applicant/Owner: AEP		State: OF	
Investigator(s): PJR, LCB		Section, Township, Range: S	3 T 15N R 6W
Landform (hillslope, terrace, etc.): Hills	side I	ocal relief (concave, convex, ı	
Subregion (LRR or MLRA):			ng.: -81.106821
Soil Map Unit Name: WmC	Latin	40.001341	NWI classification: N/A
•		- W	
Are climatic/hydrologic conditions on the		-	, explain in Remarks.)
Are Vegetation U , Soil U , or I	Hydrology significantly	disturbed? Are "Norma	I Circumstances" present? Yes ♥ No ○
Are Vegetation $\ \ \ \ \ \ \ \ \ \ $, Soil $\ \ \ \ \ \ $, or l	Hydrology naturally pro	oblematic? (If needed,	explain any answers in Remarks.)
Summary of Findings - Attach	ı site map showing sa	ampling point location	ns, transects, important features, etc.
Hydrophytic Vegetation Present? Yes	s O No 💿		
Hydric Soil Present? Yes	s • No O	Is the Sampled Area	Yes ○ No ●
Wetland Hydrology Present? Yes	s O No 💿	within a Wetland?	res Uno U
Remarks:			
Upland data point for w-pjr-042517-04.			
Hydrology			
Wetland Hydrology Indicators:			Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one req	uired; check all that apply)		Surface Soil Cracks (B6)
Surface Water (A1)	True Aquatic Plants	(B14)	Sparsely Vegetated Concave Surface (B8)
High Water Table (A2)	Hydrogen Sulfide Od	dor (C1)	Drainage Patterns (B10)
Saturation (A3)	Oxidized Rhizospher	es along Living Roots (C3)	Moss Trim Lines (B16)
Water Marks (B1)	Presence of Reduce	• ,	Dry Season Water Table (C2)
Sediment Deposits (B2)		on in Tilled Soils (C6)	Crayfish Burrows (C8)
Drift deposits (B3)	Thin Muck Surface (,	Saturation Visible on Aerial Imagery (C9)
Algal Mat or Crust (B4)	Other (Explain in Re	marks)	Stunted or Stressed Plants (D1)
Iron Deposits (B5)			Geomorphic Position (D2)
Inundation Visible on Aerial Imagery (B7)			Shallow Aquitard (D3)
Water-Stained Leaves (B9)			Microtopographic Relief (D4)
Aquatic Fauna (B13)			FAC-neutral Test (D5)
Field Observations: Surface Water Present? Yes N	Depth (inches):		
		Wetland Hyd	rology Present? Yes O No 💿
(includes capillary fringe) Yes V	o Depth (inches): _		
Describe Recorded Data (stream gauge,	monitoring well, aerial photos	, previous inspections), if avai	ilable:
Remarks:			

		C	:2		Sampling Point: <u>UP-PJR-042717-04</u>
Tree Stratum (Plot size:)	Absolute % Cover	Re		Indicator Status	
1	0		0.0%		Number of Dominant Species That are OBL, FACW, or FAC: (A)
2	0		0.0%		
3	0		0.0%		Total Number of Dominant Species Across All Strata: 2 (B)
4			0.0%		
5			0.0%		Percent of dominant Species
6		\Box _	0.0%		That Are OBL, FACW, or FAC: 0.0% (A/B)
7			0.0%		Prevalence Index worksheet:
8			0.0%		Total % Cover of: Multiply by:
(District	0 =	= To	tal Cover		OBL species 0 x 1 = 0
Sapling-Sapling/Shrub Stratum (Plot size:	_				FACW species
1		\Box	0.0%		FAC speci es x 3 =0
2		Ц.	0.0%		FACU species 80 x 4 = 320
3		\sqcup	0.0%		UPL species $\frac{5}{}$ x 5 = $\frac{25}{}$
4		Ц.	0.0%		· ·
5	0	\sqcup	0.0%		Col umn Total s: 95 (A) 365 (B)
6		\sqcup	0.0%		Prevalence Index = B/A = 3.842
7	0	\sqcup _	0.0%		Hydrophytic Vegetation Indicators:
8	0	Ц.	0.0%		Rapid Test for Hydrophytic Vegetation
9	0	\square	0.0%		Dominance Test is > 50%
0	0		0.0%		Prevalence Index is ≤3.0 ¹
Shrub Stratum (Plot size:)		= To	tal Cover		Morphological Adaptations ¹ (Provide supporting
1	0		0.0%		data in Remarks or on a separate sheet)
2.			0.0%		Problematic Hydrophytic Vegetation ¹ (Explain)
3.		\Box	0.0%		¹ Indicators of hydric soil and wetland hydrology must
4		$\overline{\Box}$	0.0%		be present, unless disturbed or problematic.
5		\Box	0.0%		Definition of Vegetation Strata:
		$\overline{\Box}$	0.0%		Four Vegetation Strata:
6		_	0.0%		Tree stratum – Consists of woody plants, excluding vines, 3 in.
7			tal Cover		(7.6 cm) or more in diameter at breast height (DBH), regardless of height.
Herb Stratum (Plot size:)			tai Cover		Sapling/shrub stratum – Consists of woody plants, excluding
1. Phleum pratense	50	_ _	52.6%	FACU	vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.
2. Daucus carota		\square	5.3%	UPL	Herb stratum - Consists of all herbaceous (non-woody) plants,
3. Trifolium pratense		V _	21.1%	FACU	regardless of size, and all other plants less than 3.28 ft tall.
4. Agrimonia parviflora	10	\sqcup	10.5%	FACW	Woody vines – Consists of all woody vines greater than 3.28 ft in height.
5. Prunella vulgaris	10	\sqcup _	10.5%	FACU	iii Norgina
6	0	\square	0.0%		Five Vegetation Strata:
7	0	\square	0.0%		Tree - Woody plants, excluding woody vines, approximately 20
8			0.0%		ft (6 m) or more in height and 3 in. (7.6 cm) or larger in
9	0		0.0%		diameter at breast height (DBH).
0	0		0.0%		Sapling stratum – Consists of woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and less
1			0.0%		than 3 in. (7.6 cm) DBH.
2	0		0.0%		Shrub stratum – Consists of woody plants, excluding woody
Woody Vine Stratum (Plot size:)	95 =	= To	tal Cover		vines, approximately 3 to 20 ft (1 to 6 m) in height.
	0		0.0%		Herb stratum – Consists of all herbaceous (non-woody) plants, including herbaceous vines, regardless of size, and woody
1		_			species, except woody vines, less than approximately 3 ft (1
2	0	_	0.0%		m) in height.
3		<u>H</u> -	0.0%		Woody vines – Consists of all woody vines, regardless of height.
4		Н-	0.0%		
5		\square	0.0%		Hydrophytic
6	0	\square_{-}	0.0%		Vegetation
	0	= To	tal Cove	r	Present? Yes V NO V

Soil Sampling Point: UP-PJR-042717-04

Depth Matrix	Red	ox Features			
(inches) Color (moist) %	Color (moist)			Texture	Remarks
0-16 10YR 4/2 90	10YR4/6	10 C	M	Silty Clay Loam	
				-	
				-	
				,	
ype: C=Concentration. D=Depletion. RM=F	Reduced Matrix, CS=Covered	d or Coated Sand Gra	ins ² Loca	tion: PL=Pore Lining, M=Ma	atrix
ydric Soil Indicators:					
Histosol (A1)	Dark Surface (S	7)		Indicators for Proble	•
Histic Epipedon (A2)		Surface (S8) (MLRA	147.148)	2 cm Muck (A10)	(MLRA 147)
Black Histic (A3)		ce (S9) (MLRA 147, 1		Coast Prairie Redo	ox (A16)
Hydrogen Sulfide (A4)	Loamy Gleyed M		,	(MLRA 147,148)	
Stratified Layers (A5)	✓ Depleted Matrix			Piedmont Floodpla (MLRA 136, 147)	ain Soils (F19)
2 cm Muck (A10) (LRR N)	Redox Dark Surf			Very Shallow Dark	(Surface (TE12)
Depleted Below Dark Surface (A11)	Depleted Dark S			Other (Explain in	
Thick Dark Surface (A12)	Redox Depression			Uther (Explain in	Remarks)
Sandy Muck Mineral (S1) (LRR N.		Masses (F12) (LRR	N,		
MLRA 147, 148)		(F13) (MLRA 136, 12	12)		
Sandy Gleyed Matrix (S4)		olain Soils (F19) (MLI	•	³ Indicators of	hydrophytic vegetation and
Sandy Redox (S5) Stripped Matrix (S6)				wetland hyd	rology must be present, sturbed or problematic.
□ Stripped Matrix (S6)	Red Parent Mate	erial (F21) (MLRA 12	7, 147)	uniess dis	sturbed or problematic.
estrictive Layer (if observed):					
Туре:					
Depth (inches):				Hydric Soil Present?	Yes ● No ○
emarks:					

Project/Site: AEP Carrollton-Sunnysi	de T-Line	City/County:	Carroll	Sampling Date: 27-Apr-17
Applicant/Owner: AEP			State: OH	Sampling Point: upl-bcr-042717-04
Investigator(s): BCR/MDT		Section, Tow	nship, Range: S	10 T 15N R 6W
Landform (hillslope, terrace, etc.):	Valley bottom	Local relief (co	oncave, convex, no	one): concave Slope: 0.0% / 0.0 °
Subregion (LRR or MLRA): LRR N		Lat.: 40.608061	Long	Datum: NAD83
Soil Map Unit Name: WmC	•	40.000001		NWI classification: NA
Are climatic/hydrologic conditions o	on the site typical for this	time of vear? Yes	No C (If no. o	explain in Remarks.)
Are Vegetation, Soil		gnificantly disturbed?	· · · ·	Circumstances" present? Yes No
Are Vegetation, Soil		aturally problematic?		xplain any answers in Remarks.)
•				s, transects, important features, etc.
Hydrophytic Vegetation Present?	Yes O No •			
Hydric Soil Present?	Yes O No 💿	Is the	Sampled Area	Yes ○ No •
Wetland Hydrology Present?	Yes O No 💿	withi	n a Wetland?	res O NO O
Remarks:				
Hydrology				
Wetland Hydrology Indicators:			-	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of o				Surface Soil Cracks (B6)
Surface Water (A1)		uatic Plants (B14)		Sparsely Vegetated Concave Surface (B8)
High Water Table (A2)	_ , ,	n Sulfide Odor (C1)		Drainage Patterns (B10)
Saturation (A3)		I Rhizospheres along Living	Roots (C3)	Moss Trim Lines (B16)
Water Marks (B1)		e of Reduced Iron (C4)	(2.1)	Dry Season Water Table (C2)
Sediment Deposits (B2)		ron Reduction in Tilled Soil	s (C6)	Crayfish Burrows (C8)
Drift deposits (B3) Algal Mat or Crust (B4)		ck Surface (C7)		
Iron Deposits (B5)	Uther (E	explain in Remarks)		Geomorphic Position (D2)
Inundation Visible on Aerial Image	rv (B7)			Shallow Aquitard (D3)
Water-Stained Leaves (B9)	., (27)			Microtopographic Relief (D4)
Aquatic Fauna (B13)				FAC-neutral Test (D5)
Field Observations:				
Surface Water Present? Yes	No Depth	(inches):		
Water Table Present? Yes	No O Depth	(inches):		() (2)
Saturation Present? (includes capillary fringe) Yes	No O Depth	(inches):	Wetland Hydro	ology Present? Yes O No 💿
Describe Recorded Data (stream g	auge, monitoring well, ae	rial photos, previous ins	pections), if availa	ble:
	3 ,		,	
Remarks:				

		Cuncine?		Sampling Point: upl-bcr-042717-04
Tree Stratum (Plot size:)	Absolute % Cover		Indicator Status	300000000000000000000000000000000000000
1	0	0.0%_		Number of Dominant Species That are OBL, FACW, or FAC:0(A)
2	0	0.0%		Total Number of Dominant
3		0.0%		Species Across All Strata:1(B)
4		0.0%		
5	0	0.0%_		Percent of dominant Species That Are OBL, FACW, or FAC: 0.0% (A/B)
6				<u> </u>
7		0.0%		Prevalence Index worksheet:
8		0.0%		Total % Cover of: Multiply by:
Sapling-Sapling/Shrub Stratum (Plot size:		= Total Cove	er	0BL speciles
1		0.0%		FACW species 20 x 2 = 40
2		0.0%		FAC species $0 \times 3 = 0$
3	0	0.0%		FACU species x 4 =360
4	0	0.0%		UPL speci es $\frac{5}{}$ x 5 = $\frac{25}{}$
5	0	0.0%		Column Totals: <u>115</u> (A) <u>425</u> (B)
6	0	0.0%		Prevalence Index = B/A = 3.696
7	0	0.0%		Hydrophytic Vegetation Indicators:
8	0	0.0%		Rapid Test for Hydrophytic Vegetation
9	0	0.0%		Dominance Test is > 50%
0	0	0.0%		Prevalence Index is ≤3.0 ¹
Shrub Stratum (Plot size:)		= Total Cove	er	Morphological Adaptations ¹ (Provide supporting
1	0	0.0%		data in Remarks or on a separate sheet)
2	0	0.0%		Problematic Hydrophytic Vegetation ¹ (Explain)
3		0.0%		$^{ m 1}$ Indicators of hydric soil and wetland hydrology must
4		0.0%		be present, unless disturbed or problematic.
5	0	0.0%		Definition of Vegetation Strata:
6		0.0%		Four Vegetation Strata:
7		0.0%		Tree stratum – Consists of woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH),
Herb Stratum (Plot size:)		= Total Cove	er	regardless of height.
1. Poa pratensis	90	✓ 78.3%	FACU	Sapling/shrub stratum – Consists of woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.
2. Solidago gigantea	20	17.4%	FACW	Herb stratum – Consists of all herbaceous (non-woody) plants,
3. Brassica rapa	5	4.3%	UPL	regardless of size, and all other plants less than 3.28 ft tall.
4.	0	0.0%		Woody vines – Consists of all woody vines greater than 3.28 ft
5	0	0.0%		in height.
6	0	0.0%		Five Vegetation Strata:
7	0	0.0%		Tree - Woody plants, excluding woody vines, approximately 20
8	0	0.0%		ft (6 m) or more in height and 3 in. (7.6 cm) or larger in
9	0	0.0%		diameter at breast height (DBH). Sapling stratum – Consists of woody plants, excluding woody
0	0	0.0%		vines, approximately 20 ft (6 m) or more in height and less
1	0	0.0%		than 3 in. (7.6 cm) DBH.
2	0	0.0%		Shrub stratum – Consists of woody plants, excluding woody vines, approximately 3 to 20 ft (1 to 6 m) in height.
Woody Vine Stratum (Plot size:)	115 =	= Total Cove	er	Herb stratum – Consists of all herbaceous (non-woody) plants,
1	0	0.0%		including herbaceous vines, regardless of size, and woody
2.	0	0.0%		species, except woody vines, less than approximately 3 ft (1 m) in height.
3	0	0.0%		Woody vines – Consists of all woody vines, regardless of
4	0	0.0%		height.
5		0.0%		Hadarahati.
6.	0	0.0%		Hydrophytic Vegetation
V	0	= Total Cov	or	Present? Yes No •
	U	– i utai cuv	CI	1

Soil Sampling Point: upl-bcr-042717-04

Depth -	Matrix		Red	lox Feature				
(inches)	Color (moist)	<u>%</u>	Color (moist)	%	Type 1	Loc ²	Texture	Remarks
0-12	10YR 5/6	100					Clay Loam	
								
								v
								9
								_
vpe: C=Conc	entration, D=Depletion	n. RM=Reduc	ced Matrix. CS=Covere	d or Coated	Sand Grai	ns ² Locat	tion: PL=Pore Lining. M=	Matrix
lydric Soil In		road	304 Matrix, 00 0010.0	u o. ooutou	ouria oran			
Histosol (A			Dark Surface (S	(7)				lematic Hydric Soils ³ :
Histic Epipe			Polyvalue Below	,	B) (MIRA 1	47.148)	2 cm Muck (A10)) (MLRA 147)
Black Histic			Thin Dark Surfa				Coast Prairie Re	
_	Sulfide (A4)		Loamy Gleyed N		, .	0)	(MLRA 147,148)	
Stratified L			Depleted Matrix				Piedmont Flood (MLRA 136, 147	plain Soils (F19)
\neg	(A10) (LRR N)		Redox Dark Sur					rk Surface (TF12)
_	Below Dark Surface (A	11)	Depleted Dark S					
_ ·	Surface (A12)	,	Redox Depressi				Other (Explain i	n Remarks)
_	ck Mineral (S1) (LRR N	ı	Iron-Manganese		12) (LRR N	,		
MLRA 147,	, 148)	',	MLRA 136)	•	, ,			
Sandy Gley	yed Matrix (S4)		Umbric Surface	(F13) (MLR	A 136, 122)	2	
_	()		Piedmont Flood	lplain Soils (F19) (MLR	A 148)	o Indicators o	f hydrophytic vegetation and ydrology must be present,
Sandy Red	ox (S5)						WCtianan	ydrology must be present,
Sandy Red Stripped M			Red Parent Mat	erial (F21) (MLRA 127	147)	unless	disturbed or problematic.
Stripped M	latrix (S6)		Red Parent Mat	erial (F21) (MLRA 127	147)	unless	disturbed or problematic.
Stripped M estrictive La	yer (if observed):			erial (F21) (MLRA 127	147)	unless (disturbed or problematic.
Stripped M estrictive La Type:	yer (if observed):			erial (F21) (MLRA 127	147)		
Stripped M estrictive La Type: Depth (inch	yer (if observed):			erial (F21) (MLRA 127	147)	unless of Hydric Soil Present?	
estrictive La Type: Depth (inch	yer (if observed):			erial (F21) (MLRA 127	147)		
estrictive La Type: Depth (inch	yer (if observed):			erial (F21) (MLRA 127	147)		
estrictive La Type: Depth (inch	yer (if observed):			erial (F21) (MLRA 127	147)		
estrictive La Type: Depth (inch	yer (if observed):			erial (F21) (MLRA 127	147)		
estrictive La Type: Depth (inch	yer (if observed):			erial (F21) (MLRA 127	147)		
estrictive La Type: Depth (inch	yer (if observed):			erial (F21) (MLRA 127	147)		
Stripped M estrictive La Type: Depth (inch	yer (if observed):			erial (F21) (MLRA 127	147)		
estrictive La Type: Depth (inch	yer (if observed):			erial (F21) (MLRA 127	147)		
estrictive La Type: Depth (inch	yer (if observed):			erial (F21) (MLRA 127	147)		
estrictive La Type: Depth (inch	yer (if observed):			erial (F21) (MLRA 127	147)		
Stripped M estrictive La Type: Depth (inch	yer (if observed):			erial (F21) (MLRA 127	147)		
estrictive La Type: Depth (inch	yer (if observed):			erial (F21) (MLRA 127	147)		
estrictive La Type: Depth (inch	yer (if observed):			erial (F21) (MLRA 127	147)		
estrictive La Type: Depth (inch	yer (if observed):			erial (F21) (MLRA 127	147)		
Stripped M Lestrictive La Type:	yer (if observed):			erial (F21) (MLRA 127	147)		
Stripped M Lestrictive La Type: Depth (inch	yer (if observed):			erial (F21) (MLRA 127	147)		
Stripped M Lestrictive La Type: Depth (inch	yer (if observed):			erial (F21) (MLRA 127	147)		
Stripped M estrictive La Type: Depth (inch	yer (if observed):			erial (F21) (MLRA 127	147)		
estrictive La Type: Depth (inch	yer (if observed):			erial (F21) (MLRA 127	147)		
estrictive La Type: Depth (inch	yer (if observed):			erial (F21) (MLRA 127	147)		

Project/Site: AEP Carrollton-Sunnysi	ide T-Line	City/County: Carroll	Sampling Date: 27-Apr-17
Applicant/Owner: AEP		State: OH	Sampling Point: upl-bcr-042717-01
Investigator(s): BCR/MDT		Section, Township, Range: S	
Landform (hillslope, terrace, etc.):	Footslope	Local relief (concave, convex, r	none): none Slope: 0.0% / 0.0 °
Subregion (LRR or MLRA): LRR N	· ·	40.617346 Lor	ng.: -81.131864
Soil Map Unit Name: WmC		10.017340	NWI classification: NA
Are climatic/hydrologic conditions of	on the site typical for this time of yea	ar? Yes • No O (If no	, explain in Remarks.)
Are Vegetation, Soil		- '	I Circumstances" present? Yes ● No ○
Are Vegetation, Soil	, or Hydrology 🔲 naturally pr	roblematic? (If needed,	explain any answers in Remarks.)
Summary of Findings - A	ttach site map showing s		ns, transects, important features, etc.
Hydrophytic Vegetation Present?	Yes ○ No •		
Hydric Soil Present?	Yes ● No ○	Is the Sampled Area	Yes ○ No ●
Wetland Hydrology Present?	Yes O No 💿	within a Wetland?	163 6 140 6
Remarks:		•	
Hydrology			
Hydrology			
Wetland Hydrology Indicators:	and the state of t		Secondary Indicators (minimum of two required)
Primary Indicators (minimum of o		(D14)	Surface Soil Cracks (B6)
High Water Table (A2)	☐ True Aquatic Plants☐ Hydrogen Sulfide O		Sparsely Vegetated Concave Surface (B8)
Saturation (A3)	_ , ,	res along Living Roots (C3)	☐ Drainage Patterns (B10) ☐ Moss Trim Lines (B16)
Water Marks (B1)	Presence of Reduce		Dry Season Water Table (C2)
Sediment Deposits (B2)		ion in Tilled Soils (C6)	Crayfish Burrows (C8)
Drift deposits (B3)	☐ Thin Muck Surface	• ,	Saturation Visible on Aerial Imagery (C9)
Algal Mat or Crust (B4)	Other (Explain in Re	• ,	Stunted or Stressed Plants (D1)
☐ Iron Deposits (B5)	Outer (Explain in the	smarksy	Geomorphic Position (D2)
Inundation Visible on Aerial Image	ery (B7)		Shallow Aquitard (D3)
Water-Stained Leaves (B9)			Microtopographic Relief (D4)
Aquatic Fauna (B13)			FAC-neutral Test (D5)
Field Observations:	No Depth (inches):		
Surface Water Present? Yes			
Water Table Present? Yes	No Depth (inches):	Wetland Hyd	rology Present? Yes O No •
Saturation Present? (includes capillary fringe) Yes	No Depth (inches):		rology Present:
Describe Recorded Data (stream g	gauge, monitoring well, aerial photos	s, previous inspections), if avai	lable:
Remarks:			

		Dominant		Sampling Point: upl-bcr-042717-01
Tree Stratum (Plot size:)	Absolute % Cover	-Species? Rel.Strat. Cover	Indicator Status	
 1	0	0.0%		Number of Dominant Species That are OBL, FACW, or FAC: 0 (A)
2.	0	0.0%		Total Number of Dominant
3		0.0%		Species Across All Strata:
	0	0.0%		
	0	0.0%		Percent of dominant Species That Are OBL, FACW, or FAC: 0.0% (A/B)
i		0.0%		That file OBE, Thow, of the
·				Prevalence Index worksheet:
		0.0%		Total % Cover of: Multiply by:
apling-Sapling/Shrub Stratum (Plot size:		= Total Cove	r	0BL speci es 0 x 1 = 0
	_	0.0%		FACW species 5 x 2 = 10
		0.0%		FAC speci es $0 \times 3 = 0$
		0.0%		FACU species 40 x 4 = 160
•	_	0.0%		UPL speci es $\frac{50}{}$ x 5 = $\frac{250}{}$
	0	0.0%		Column Total s: 95 (A) 420 (B)
	0	0.0%		Prevalence Index = B/A =4.421
		0.0%		
		0.0%		Hydrophytic Vegetation Indicators: Rapid Test for Hydrophytic Vegetation
	0	0.0%		Dominance Test is > 50%
•	0	0.0%		Prevalence Index is ≤3.0 ¹
		= Total Cove	r	
hrub Stratum (Plot size:)	0	0.0%		Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
		0.0%		Problematic Hydrophytic Vegetation ¹ (Explain)
		0.0%		¹ Indicators of hydric soil and wetland hydrology must
		0.0%		be present, unless disturbed or problematic.
		0.0%		Definition of Vegetation Strata:
		0.0%		Four Vegetation Strata:
·		0.0%		Tree stratum – Consists of woody plants, excluding vines, 3 in
(Plot size:)		= Total Cove	r	(7.6 cm) or more in diameter at breast height (DBH), regardless of height.
		✓ 52.6%	UPL	Sapling/shrub stratum – Consists of woody plants, excluding
_ Zea mays		5.3%	FACW	vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.
Solidago gigantea		✓ 42.1%	FACU	Herb stratum – Consists of all herbaceous (non-woody) plants regardless of size, and all other plants less than 3.28 ft tall.
_ Dactylis glomerata	0	0.0%	FACU	Woody vines – Consists of all woody vines greater than 3.28 ft
		0.0%		in height.
		0.0%	-	
		0.0%		Five Vegetation Strata:
		0.0%		Tree - Woody plants, excluding woody vines, approximately 2 ft (6 m) or more in height and 3 in. (7.6 cm) or larger in
		0.0%		diameter at breast height (DBH).
		0.0%		Sapling stratum – Consists of woody plants, excluding woody
		0.0%		vines, approximately 20 ft (6 m) or more in height and less than 3 in. (7.6 cm) DBH.
		0.0%		Shrub stratum – Consists of woody plants, excluding woody
		= Total Cove	r	vines, approximately 3 to 20 ft (1 to 6 m) in height.
Voody Vine Stratum (Plot size:)				Herb stratum – Consists of all herbaceous (non-woody) plants including herbaceous vines, regardless of size, and woody
		0.0%		species, except woody vines, less than approximately 3 ft (1
		0.0%		m) in height.
•		0.0%		Woody vines – Consists of all woody vines, regardless of height.
		0.0%		
		0.0%		Hydrophytic
	0	0.0%		Vegetation
	0 :	= Total Cove		Present? Yes V No V

Soil Sampling Point: upl-bcr-042717-01

Depth - (inches)	Matrix		Re	dox Featu				
(IIICIICS)	Color (moist)	<u>%</u>	Color (moist)	%	Tvpe 1	Loc ²	Texture	Remarks
0-12	10YR 5/2	95	10YR 5/6	5	С	M	Silty Clay Loam	
			-					10
							-	·
ima. C. Cana.	antration D. Danlation	n DM Dodu	and Matrix CS Cavar	ad ar Caata	d Cand Cra	no 21 0001	tion. DI Doro Lining M. I	Matrix
		n. Rivi=Reduc	ced Matrix, CS=Cover	ed or Coate	u Sanu Gra	ns -Local	tion: PL=Pore Lining. M=I	
ydric Soil In				·07\			Indicators for Prob	lematic Hydric Soils ³ :
☐ Histosol (A			Dark Surface (,	CO) (MI DA	1.47.4.40\	2 cm Muck (A10) (MLRA 147)
☐ Histic Epipe			Polyvalue Belo				Coast Prairie Re	dox (A16)
Black Histic			Thin Dark Surf		LRA 147, 1	18)	(MLRA 147,148)	
_	Sulfide (A4)		Loamy Gleyed				Piedmont Flood	olain Soils (F19)
Stratified La			✓ Depleted Matri				(MLRA 136, 147	,
_	(A10) (LRR N)		Redox Dark Su Depleted Dark		1)			rk Surface (TF12)
¬ .	Below Dark Surface (A1	11)	Redox Depress		')		Other (Explain in	n Remarks)
_	Surface (A12)		Iron-Manganes		E12) /LDD N			
J Sandy Mucl MLRA 147,	k Mineral (S1) (LRR N 148)	l,	MLRA 136)					
☐ Sandy Gley	ed Matrix (S4)		Umbric Surface	e (F13) (ML	RA 136, 12	2)	3	
	ox (S5)		☐ Piedmont Floo	dplain Soils	(F19) (MLR	A 148)	wetland hy	f hydrophytic vegetation and ydrology must be present,
Sandy Redo	` '			tarial (F21)	(MLRA 127	. 147)		disturbed or problematic.
Sandy Redo Stripped Ma			Red Parent Ma	iteriai (i 2 i)	`	,	4,11000	
Stripped Ma	atrix (S6)		Red Parent Ma	iteriai (i 2 i)	`	, ,	4.11050	
Stripped Ma				nterial (121)	`	, ,	4.1000	
Stripped Managerictive Lay	yer (if observed):			iteriai (121)			Hydric Soil Present?	Yes ● No ○
estrictive Lay Type: Depth (inche	yer (if observed):			iteriai (121)				
estrictive Lay Type: Depth (inche	yer (if observed):			iteriai (i 2 i)				
estrictive Lay Type: Depth (inche	yer (if observed):			iterial (121)				
estrictive Lay Type: Depth (inche	yer (if observed):			iterial (121)				
Stripped Marketrictive Lay Type: Depth (inche	yer (if observed):			iterial (121)				
Stripped Marketrictive Lay Type: Depth (inche	yer (if observed):			iterial (121)				
Stripped Marketrictive Lay Type: Depth (inche	yer (if observed):			iterial (121)				
Stripped Marketrictive Lay Type: Depth (inche	yer (if observed):			iterial (121)				
Stripped Marketrictive Lay Type: Depth (inche	yer (if observed):			iterial (121)				
estrictive Lay Type: Depth (inche	yer (if observed):			iterial (121)				
Stripped Marketrictive Lay Type: Depth (inche	yer (if observed):			iterial (121)				
Stripped Marketrictive Lay Type: Depth (inche	yer (if observed):			iterial (121)				
estrictive Lay Type: Depth (inche	yer (if observed):			iterial (121)				
estrictive Lay Type: Depth (inche	yer (if observed):			iterial (121)				
estrictive Lay Type: Depth (inche	yer (if observed):			iterial (121)				
Stripped Ma	yer (if observed):			iterial (121)				
estrictive Lay Type: Depth (inches	yer (if observed):			iterial (121)				
Stripped Markestrictive Lay Type: Depth (inches	yer (if observed):			iterial (121)				
estrictive Lay Type: Depth (inche	yer (if observed):			iterial (121)				
estrictive Lay Type: Depth (inche	yer (if observed):			iterial (121)				
estrictive Lay Type: Depth (inche	yer (if observed):			iterial (121)				

Project/Site: AEP Carrollton-Sunnysi	ide T-Line	City/County: Carroll	Sampling Date: 27-Apr-17
Applicant/Owner: AEP		State: OH	Sampling Point: upl-bcr-042717-02,03
Investigator(s): BCR/MDT		Section, Township, Range: S	16 T 15N R 6W
Landform (hillslope, terrace, etc.):	Knob	Local relief (concave, convex, r	none): convex Slope: 0.0% / 0.0 °
Subregion (LRR or MLRA): LRR N		40.619675 Lor	ng.: -81.135239
Soil Map Unit Name: WmC	<u> </u>	40.017073	NWI classification: NA
Are climatic/hydrologic conditions o	on the cite typical for this time of ye	ar? Yes • No O (If no	, explain in Remarks.)
Are Vegetation, Soil			I Circumstances" present? Yes No
Are Vegetation \Box , Soil \Box	, or Hydrology 🔲 naturally p	roblematic? (If needed,	explain any answers in Remarks.)
Summary of Findings - At	ttach site map showing s	ampling point location	ns, transects, important features, etc.
Hydrophytic Vegetation Present?	Yes O No 💿		
Hydric Soil Present?	Yes O No 💿	Is the Sampled Area	Yes ○ No ●
Wetland Hydrology Present?	Yes O No 💿	within a Wetland?	163 0 110 0
Remarks: Upland data point between wetlar	nds w-bcr-042717-02 and 03.		
Hydrology			
Wetland Hydrology Indicators: Primary Indicators (minimum of o	one required, check all that apply)		Secondary Indicators (minimum of two required)
Surface Water (A1)	True Aquatic Plants	(B14)	Surface Soil Cracks (B6) Sparsely Vegetated Concave Surface (B8)
High Water Table (A2)	Hydrogen Sulfide O		Drainage Patterns (B10)
Saturation (A3)	_ , ,	res along Living Roots (C3)	Moss Trim Lines (B16)
Water Marks (B1)	Presence of Reduce		Dry Season Water Table (C2)
Sediment Deposits (B2)		ion in Tilled Soils (C6)	Crayfish Burrows (C8)
☐ Drift deposits (B3)	☐ Thin Muck Surface	(C7)	Saturation Visible on Aerial Imagery (C9)
☐ Algal Mat or Crust (B4)	Other (Explain in Re	• ,	Stunted or Stressed Plants (D1)
☐ Iron Deposits (B5)		omano,	Geomorphic Position (D2)
☐ Inundation Visible on Aerial Image	ery (B7)		Shallow Aquitard (D3)
☐ Water-Stained Leaves (B9)			Microtopographic Relief (D4)
Aquatic Fauna (B13)			FAC-neutral Test (D5)
Field Observations:			
Surface Water Present? Yes			
Water Table Present? Yes	○ No		
Saturation Present? (includes capillary fringe) Yes	No Depth (inches):	Wetland Hyd	rology Present? Yes O No 💿
	gauge, monitoring well, aerial photos	s, previous inspections), if avai	lable:
	,9-, ,	-,	
Remarks:			

		Dominant English		Sampling Point:	UDI-DCI-0421	17-02,03
Tree Stratum (Plot size:)	Absolute % Cover		Indicator Status			
 1		0.0%		Number of Dominant Species That are OBL, FACW, or FAC:	1	(A)
2	0	0.0%		Total Number of Deminent		
3		0.0%		Total Number of Dominant Species Across All Strata:	2	(B)
1		0.0%				
5	0	0.0%		Percent of dominant Species	50.0%	(A/B)
5		0.0%		That Are OBL, FACW, or FAC:	30.076	(70,0)
7	0	0.0%		Prevalence Index worksheet:		
3	0	0.0%		Total % Cover of: Mu	Itiply by:	
Sapling-Sapling/Shrub Stratum (Plot size:	0 -	= Total Cove	r	OBL speci es0 x 1	= 0	
		0.0%		FACW species 35 x 2	= 70	
		0.0%		FAC species0 x 3	= 0	
		0.0%	-	FACU species75 x 4	= 300	
		0.0%	-	UPL species 10 x 5	= 50	
i		0.0%		Column Totals: 120 (A)	420	(B)
·		0.0%				
· ·		0.0%		Prevalence Index = B/A =	3.500	
7		0.0%		Hydrophytic Vegetation Indicators	5:	
3		0.0%		Rapid Test for Hydrophytic V	egetation	
)		\neg		☐ Dominance Test is > 50%		
)		0.0%		Prevalence Index is ≤3.0 ¹		
Shrub Stratum (Plot size:)		= Total Cove	r	Morphological Adaptations 1		orting
		0.0%		data in Remarks or on a sepa	-	
2		0.0%		Problematic Hydrophytic Veg	etation + (Exp	lain)
3	0	0.0%		¹ Indicators of hydric soil and we		y must
ł		0.0%		be present, unless disturbed or pr		
5	0	0.0%		Definition of Vegetation Stra	ta:	
5	0	0.0%		Four Vegetation Strata:		
7	0	0.0%		Tree stratum – Consists of woody pla (7.6 cm) or more in diameter at breas		vines, 3 in.
Herb Stratum_ (Plot size:)		= Total Cove	r	regardless of height.	5 (//	
. Poa pratensis		▼ 58.3%	FACU	Sapling/shrub stratum – Consists of vines, less than 3 in. DBH and greate		
Solidago gigantea	25	20.8%	FACW	Herb stratum – Consists of all herbac	•	•
Plantago lanceolata	10	8.3%	UPL	regardless of size, and all other plant	s less than 3.28	ft tall.
Impatiens capensis	10	8.3%	FACW	Woody vines – Consists of all woody	vines greater th	nan 3.28 ft
_ Alliaria petiolata	5	4.2%	FACU	in height.		
S	0	0.0%		Five Vegetation Strata:		
.	0	0.0%		Tree - Woody plants, excluding wood		imatalı 20
		0.0%		ft (6 m) or more in height and 3 in. (7.	, , , , ,	•
)	0	0.0%		diameter at breast height (DBH).		
)		0.0%		Sapling stratum – Consists of woody vines, approximately 20 ft (6 m) or me		
		0.0%		than 3 in. (7.6 cm) DBH.	ore in height an	u iess
		0.0%		Shrub stratum – Consists of woody p	,	g woody
	120	= Total Cove	r	vines, approximately 3 to 20 ft (1 to 6	, -	1. \ . 1 4 .
Noody Vine Stratum (Plot size:)		0.0%		Herb stratum – Consists of all herbac including herbaceous vines, regardle	•	
				species, except woody vines, less the		
<u></u>		0.0%		m) in height.	*	
3		0.0%		Woody vines – Consists of all woody height.	vines, regardle	ss of
·		0.0%		- 3		
5		0.0%		Hydrophytic		
5		0.0%		Vegetation		
	0	= Total Cove		Present? Yes \cup No \bullet		

Soil Sampling Point: upl-bcr-042717-02,03

Profile Descr		the depth n				nfirm the a	absence of indicators.)	
Depth	Matrix			dox Featu	ires 1			
(inches) 0-12	Color (moist) 10YR 4/4	<u>%</u>	Color (moist)	%	Tvpe 1	Loc ²	Texture Silt Loam	Remarks
	101K 4/4	100		-			SIIL LOGITI	
	-							
				-		-	-	
		n. RM=Redu	ced Matrix, CS=Covere	ed or Coate	ed Sand Gra	ins ² Loca	tion: PL=Pore Lining. M=M	atrix
Hydric Soil 1							Indicators for Proble	ematic Hydric Soils ³ :
Histosol (Dark Surface (,			2 cm Muck (A10)	(MLRA 147)
	pedon (A2)		Polyvalue Belov				Coast Prairie Redo	
Black Hist			Thin Dark Surfa			48)	(MLRA 147,148)	
	Sulfide (A4)		Loamy Gleyed)		Piedmont Floodpl	ain Soils (F19)
_	Layers (A5)		Depleted Matrix Redox Dark Su				(MLRA 136, 147)	
	k (A10) (LRR N)	44)	Depleted Dark	` ,	7)		Very Shallow Dark	
	Below Dark Surface (A k Surface (A12)	11)	Redox Depress		")		Other (Explain in	Remarks)
	, ,	ı	☐ Iron-Manganes		(F12) (LRR	N.		
MLRA 147	ıck Mineral (S1) (LRR N 7, 148)	1,	MLRA 136)					
	eyed Matrix (S4)		Umbric Surface				³ Indicators of	hydrophytic vegetation and
Sandy Re			☐ Piedmont Floor				wetland hyd	Irology must be present,
Stripped I	Matrix (S6)		Red Parent Ma	terial (F21)) (MLRA 12	7, 147)	unless di	sturbed or problematic.
Restrictive L	ayer (if observed):							
Туре:								
Depth (inc	hes):						Hydric Soil Present?	Yes ○ No •
Remarks:								

Project/Site: AEP Carrollton-Sunnysi	de T-Line	City/County: Carroll	Sampling Date: 26-Apr-17
Applicant/Owner: AEP		State: OH	Sampling Point: upl-bcr-042617-05
Investigator(s): BCR/MDT		Section, Township, Range: S	17 T 15N R 6W
Landform (hillslope, terrace, etc.):	Hillside	Local relief (concave, convex, r	none): none Slope: 0.0% / 0.0 °
Subregion (LRR or MLRA): LRR N		40.626630 Lor	ng.: -81.146211
Soil Map Unit Name: WmC		40.020030	NWI classification: NA
Are climatic/hydrologic conditions o	on the site typical for this time of yea	ar? Yes • No O (If no	, explain in Remarks.)
Are Vegetation , Soil		- '	I Circumstances" present? Yes ● No ○
Are Vegetation, Soil	, or Hydrology naturally p	roblematic? (If needed,	explain any answers in Remarks.)
Summary of Findings - At	ttach site map showing s		ns, transects, important features, etc.
Hydrophytic Vegetation Present?	Yes O No 💿		
Hydric Soil Present?	Yes O No 💿	Is the Sampled Area	Yes ○ No ●
Wetland Hydrology Present?	Yes O No 💿	within a Wetland?	les C NO C
Remarks:			
Hardra La san			
Hydrology			
Wetland Hydrology Indicators:			Secondary Indicators (minimum of two required)
Primary Indicators (minimum of o			Surface Soil Cracks (B6)
Surface Water (A1)	True Aquatic Plants		Sparsely Vegetated Concave Surface (B8)
High Water Table (A2)	☐ Hydrogen Sulfide O	, ,	Drainage Patterns (B10)
Saturation (A3)		res along Living Roots (C3)	Moss Trim Lines (B16)
Water Marks (B1) Sediment Deposits (B2)	Presence of Reduce	• ,	Dry Season Water Table (C2) Crayfish Burrows (C8)
Drift deposits (B3)		ion in Tilled Soils (C6)	Saturation Visible on Aerial Imagery (C9)
Algal Mat or Crust (B4)	☐ Thin Muck Surface☐ Other (Explain in Re	• ,	Stunted or Stressed Plants (D1)
Iron Deposits (B5)	U Other (Explain in Ri	emarks)	Geomorphic Position (D2)
Inundation Visible on Aerial Image	ry (B7)		Shallow Aquitard (D3)
Water-Stained Leaves (B9)			Microtopographic Relief (D4)
Aquatic Fauna (B13)			FAC-neutral Test (D5)
Field Observations:			
Surface Water Present? Yes			
Water Table Present? Yes	No Depth (inches):	Mattend Hed	rology Present? Yes O No •
Saturation Present? (includes capillary fringe) Yes	No Depth (inches):		rology Present? Tes C NO C
	auge, monitoring well, aerial photos	s, previous inspections), if avai	lable:
Remarks:			

		Dominant		Sampling Point: upl-bcr-042617-05
Tree Stratum (Plot size:)	Absolute % Cover	-Species? Rel.Strat. Cover	Indicator Status	
 1	0	0.0%		Number of Dominant Species That are OBL, FACW, or FAC: (A)
2.		0.0%		THE STATE OF THE S
	0	0.0%		Total Number of Dominant Species Across All Strata: 3 (B)
		0.0%		
	0	0.0%		Percent of dominant Species That Are OBL_FACW_or_FAC: 0.0% (A/B)
	_	0.0%		That Are OBL, FACW, or FAC:(A/B)
	0	0.0%		Prevalence Index worksheet:
	0	0.0%		Total % Cover of: Multiply by:
(Plot cizo:	,0 =	= Total Cove	r	0BL speci es 0 x 1 = 0
apling-Sapling/Shrub Stratum (Plot size:	_	0.00/		FACW species 0 x 2 = 0
		0.0%		FAC speci es
		0.0%		FACU species 80 x 4 = 320
		0.0%		UPL species $70 \times 5 = 350$
		0.0%		Col umn Total s: 150 (A) 670 (B)
		0.0%		
		0.0%		Prevalence Index = B/A = 4.467
		0.0%		Hydrophytic Vegetation Indicators:
		0.0%		Rapid Test for Hydrophytic Vegetation
				☐ Dominance Test is > 50%
		0.0%		Prevalence Index is ≤3.0 ¹
nrub Stratum (Plot size:)		= Total Cove	r	Morphological Adaptations 1 (Provide supporting
	0	0.0%		data in Remarks or on a separate sheet)
		0.0%		Problematic Hydrophytic Vegetation ¹ (Explain)
		0.0%		¹ Indicators of hydric soil and wetland hydrology must
		0.0%		be present, unless disturbed or problematic.
		0.0%		Definition of Vegetation Strata:
		0.0%		Four Vegetation Strata:
		0.0%		Tree stratum – Consists of woody plants, excluding vines, 3 i (7.6 cm) or more in diameter at breast height (DBH),
erb Stratum (Plot size:)		= Total Cove	r	regardless of height.
	70	✓ 46.7%	UPL	Sapling/shrub stratum – Consists of woody plants, excluding
	20	✓ 20.0%	FACU	vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall. Herb stratum – Consists of all herbaceous (non-woody) plant
Trifollum pratense Taraxacum officinale		10.0%	FACU	regardless of size, and all other plants less than 3.28 ft tall.
Festuca arundinacea		20.0%	FACU	Woody vines – Consists of all woody vines greater than 3.28
Prunella vulgaris		3.3%	FACU	in height.
		0.0%	17100	
		0.0%		Five Vegetation Strata:
	_	0.0%		Tree - Woody plants, excluding woody vines, approximately 2 ft (6 m) or more in height and 3 in. (7.6 cm) or larger in
		0.0%		diameter at breast height (DBH).
		\Box		Sapling stratum – Consists of woody plants, excluding wood
-		0.0%		vines, approximately 20 ft (6 m) or more in height and less than 3 in. (7.6 cm) DBH.
		0.0%		Shrub stratum – Consists of woody plants, excluding woody
	0			vines, approximately 3 to 20 ft (1 to 6 m) in height.
oody Vine Stratum (Plot size:)	150 =	= Total Cove	ı	Herb stratum – Consists of all herbaceous (non-woody) plant
		0.0%		including herbaceous vines, regardless of size, and woody species, except woody vines, less than approximately 3 ft (1
		0.0%		m) in height.
		0.0%		Woody vines – Consists of all woody vines, regardless of
		0.0%		height.
	0	0.0%		Hydrophytic
	0	0.0%		Hydrophytic Vegetation
		= Total Cove		Present? Yes No •

Soil Sampling Point: upl-bcr-042617-05

Depth -	Matrix		Red	ox Featur				
(inches)	Color (moist)	<u>%</u>	Color (moist)	<u>%</u>	Tvpe 1	Loc ²	Texture	Remarks
0-12	10YR 3/4	100						
							-	
							-	
- 0 0		DM D 1	- IM II 00 0			21		
		n. RIVI=Reau	ced Matrix, CS=Covered	or Coated	Sand Grai	ns ² Locai	tion: PL=Pore Lining. M=N	1atrix
ydric Soil Ir							Indicators for Probl	ematic Hydric Soils ³ :
☐ Histosol (A			Dark Surface (S	•	-> /		2 cm Muck (A10)	(MLRA 147)
☐ Histic Epipe			Polyvalue Below				Coast Prairie Rec	lox (A16)
☐ Black Histid			Thin Dark Surface		.RA 147, 14	18)	(MLRA 147,148)	
_	Sulfide (A4)		Loamy Gleyed M				Piedmont Floodp	lain Soils (F19)
	•		Depleted Matrix				(MLRA 136, 147)	
_	(A10) (LRR N)		Redox Dark Surf				Very Shallow Da	rk Surface (TF12)
_ ·	Below Dark Surface (A	11)	Depleted Dark S				Other (Explain in	Remarks)
_	Surface (A12)		Redox Depression					
Sandy Muc MLRA 147,	k Mineral (S1) (LRR N 148)	l,	Iron-Manganese MLRA 136)	Masses (F	12) (LRR N	ı		
Sandy Gley	ed Matrix (S4)		Umbric Surface	(F13) (MLF	RA 136, 122	2)	3	
Sandy Red	ox (S5)		Piedmont Flood	plain Soils	(F19) (MLR	A 148)	Indicators of wetland by	hydrophytic vegetation and drology must be present,
	(0.1)		Red Parent Mate	erial (F21)	(MLRA 127	, 147)	unless d	isturbed or problematic.
Stripped M	atrix (S6)		rroa r aront mate					
estrictive La	yer (if observed):							
estrictive La	yer (if observed):						Hydric Soil Present?	Ves O No •
estrictive La	yer (if observed):						Hydric Soil Present?	Yes ○ No ●
estrictive La Type: Depth (inch	yer (if observed):						Hydric Soil Present?	Yes ○ No •
estrictive La Type: Depth (inch	yer (if observed):						Hydric Soil Present?	Yes O No •
estrictive La Type: Depth (inch	yer (if observed):						Hydric Soil Present?	Yes ○ No ●
estrictive La Type: Depth (inch	yer (if observed):						Hydric Soil Present?	Yes ○ No ●
estrictive La Type: Depth (inch	yer (if observed):						Hydric Soil Present?	Yes ○ No ●
Type:	yer (if observed):						Hydric Soil Present?	Yes ○ No •
Type:	yer (if observed):						Hydric Soil Present?	Yes ○ No •
estrictive La Type: Depth (inch	yer (if observed):						Hydric Soil Present?	Yes ○ No ●
estrictive La Type: Depth (inch	yer (if observed):						Hydric Soil Present?	Yes ○ No ●
estrictive La Type: Depth (inch	yer (if observed):						Hydric Soil Present?	Yes ○ No ●
estrictive La Type: Depth (inch	yer (if observed):						Hydric Soil Present?	Yes ○ No ●
estrictive La Type: Depth (inch	yer (if observed):						Hydric Soil Present?	Yes ○ No ●
estrictive La Type: Depth (inch	yer (if observed):						Hydric Soil Present?	Yes ○ No ●
estrictive La Type: Depth (inch	yer (if observed):						Hydric Soil Present?	Yes ○ No ●
estrictive La Type: Depth (inch	yer (if observed):						Hydric Soil Present?	Yes ○ No ●
Restrictive La Type: Depth (inch	yer (if observed):						Hydric Soil Present?	Yes ○ No ●
estrictive La	yer (if observed):						Hydric Soil Present?	Yes ○ No ●
estrictive La Type: Depth (inch	yer (if observed):						Hydric Soil Present?	Yes ○ No ●
estrictive La Type: Depth (inch	yer (if observed):						Hydric Soil Present?	Yes ○ No ●
estrictive La Type: Depth (inch	yer (if observed):						Hydric Soil Present?	Yes ○ No ●
estrictive La Type: Depth (inch	yer (if observed):						Hydric Soil Present?	Yes ○ No ●

Project/Site: AEP Carrollton-Sunnysid	e T-Line		City/County: Carrol	1	Sampling Date: 26-Apr-17
Applicant/Owner: AEP			5	State: OH	Sampling Point: upl-bcr-042617-03,04
Investigator(s): BCR/MDT			Section, Township,	Range: S	23 T 15N R 6W
Landform (hillslope, terrace, etc.):		L	ocal relief (concave,	convex, none	
Subregion (LRR or MLRA): LRR N			10.629585		-81.151560 Datum: NAD83
Soil Map Unit Name: FcB			10.027363		NWI classification: NA
· —		tool for this Nove of con-	·? Yes ● No ○	(75	
Are climatic/hydrologic conditions or					plain in Remarks.)
Are Vegetation, Soil	, or Hydrolo			e "Normal Cir	cumstances" present? Yes Vo No
Are Vegetation , Soil ,	, or Hydrold	ogy 🗌 naturally pro	blematic? (If	needed, exp	lain any answers in Remarks.)
Summary of Findings - At	tach site	map showing sa	mpling point l	ocations,	transects, important features, etc.
Hydrophytic Vegetation Present?	Yes	No O			
Hydric Soil Present?	Yes \bigcirc	No •	Is the Sampl		s ○ No ●
Wetland Hydrology Present?	Yes \bigcirc	No •	within a Wet	land?	is C NO C
Remarks:					
wetland character.				,	inant, hydrology and soil not indicative of
Hydrology					
Wetland Hydrology Indicators:				_Se	econdary Indicators (minimum of two required)
Primary Indicators (minimum of or	e required;	check all that apply)			Surface Soil Cracks (B6)
Surface Water (A1)		True Aquatic Plants (B14)		Sparsely Vegetated Concave Surface (B8)
High Water Table (A2)		Hydrogen Sulfide Od	or (C1)	L	Drainage Patterns (B10)
Saturation (A3)		Oxidized Rhizosphere	es along Living Roots (0	23)	Moss Trim Lines (B16)
Water Marks (B1)		Presence of Reduced	Iron (C4)	L	Dry Season Water Table (C2)
Sediment Deposits (B2)		Recent Iron Reduction	on in Tilled Soils (C6)	L	Crayfish Burrows (C8)
Drift deposits (B3)		Thin Muck Surface (0	27)	L	Saturation Visible on Aerial Imagery (C9)
Algal Mat or Crust (B4)		Other (Explain in Rer	marks)	L	Stunted or Stressed Plants (D1)
☐ Iron Deposits (B5)				L	Geomorphic Position (D2)
Inundation Visible on Aerial Imager	y (B7)				Shallow Aquitard (D3)
Water-Stained Leaves (B9)					Microtopographic Relief (D4)
Aquatic Fauna (B13)					FAC-neutral Test (D5)
Field Observations: Surface Water Present? Yes	No 💿	Depth (inches):			
Water Table Present? Yes		Depth (inches):			
			Wet	tland Hydrolo	gy Present? Yes O No 🖲
(includes capillary fringe) Yes		Depth (inches):			
Describe Recorded Data (stream ga	uge, monito	ring well, aerial photos,	previous inspection	s), if available	e:
Damanda					
Remarks:					

		Dominant Species?		Sampling Point: upl-bcr-042617-03.04
Tree Stratum (Plot size:)	Absolute % Cover		dicator atus	Dominance Test worksheet:
1		0.0%		Number of Dominant Species That are OBL, FACW, or FAC:1 (A)
2	0	0.0%		Total Number of Dominant
3		0.0%		Species Across All Strata:1(B)
1		0.0%		
5	0	0.0%		Percent of dominant Species That Are OBL_FACW_or_FAC: 100.0% (A/B)
5		0.0%		That Are OBL, FACW, or FAC: 100.0% (A/B)
7	0	0.0%		Prevalence Index worksheet:
3	0			Total % Cover of: Multiply by:
Sapling-Sapling/Shrub Stratum (Plot size:) =	= Total Cover		0BL speci es x 1 =
l	_	0.0%		FACW species 95 x 2 = 190
)		0.0%		FAC speci es $0 \times 3 = 0$
3		0.0%		FACU species
ł		0.0%		UPL speci es $0 \times 5 = 0$
5.		0.0%		Column Totals:110 (A)250 (B)
5		0.0%		Prevalence Index = B/A = 2.273
7		0.0%		
3		0.0%		Hydrophytic Vegetation Indicators:
)		0.0%		Rapid Test for Hydrophytic Vegetation
)		0.0%		✓ Dominance Test is > 50%
	0	= Total Cover		Prevalence Index is ≤3.0 ¹
Shrub Stratum (Plot size:)				Morphological Adaptations 1 (Provide supporting data in Remarks or on a separate sheet)
		0.0%		Problematic Hydrophytic Vegetation ¹ (Explain)
2		0.0%		
3		0.0%		Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
ł				
5		0.0%		Definition of Vegetation Strata:
5	0			Four Vegetation Strata:
7	0	0.0%		Tree stratum – Consists of woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH),
lerb Stratum (Plot size:)	=	= Total Cover		regardless of height. Sapling/shrub stratum – Consists of woody plants, excluding
1. Phalaris arundinacea	80	✓ 72.7% F	ACW	vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.
Cirsium arvense	15	13.6%F	ACU	Herb stratum - Consists of all herbaceous (non-woody) plants,
3. Solidago gigantea	15		ACW	regardless of size, and all other plants less than 3.28 ft tall.
l.,	0	0.0%		Woody vines – Consists of all woody vines greater than 3.28 ft in height.
5	0			in noight
5	0	0.0%		Five Vegetation Strata:
7	0	0.0%		Tree - Woody plants, excluding woody vines, approximately 20
3	0	0.0%		ft (6 m) or more in height and 3 in. (7.6 cm) or larger in
)	0	0.0%		diameter at breast height (DBH).
)		0.0%		Sapling stratum – Consists of woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and less
l		0.0%		than 3 in. (7.6 cm) DBH.
2	0	0.0%		Shrub stratum – Consists of woody plants, excluding woody vines, approximately 3 to 20 ft (1 to 6 m) in height.
Noody Vine Stratum (Plot size:)	110 =	= Total Cover		Herb stratum – Consists of all herbaceous (non-woody) plants,
1	0	0.0%		including herbaceous vines, regardless of size, and woody
2.	0	0.0%		species, except woody vines, less than approximately 3 ft (1 m) in height.
3.		0.0%		Woody vines – Consists of all woody vines, regardless of
		0.0%		height.
1		0.0%		
5	0			Hydrophytic
5				Vegetation Present? Yes No
	0			

Soil Sampling Point: upl-bcr-042617-03,04

Profile Descr		the depth n				nfirm the a	bsence of indicators.)	
Depth Matrix								
(inches) 0-12	Color (moist)	<u>%</u>	Color (moist)	%	Tvpe 1	Loc ²	Texture	Remarks
U-12	10YR 3/3		-	_			,	
			-					
			-				-	
							,	
¹ Type: C=Con	centration. D=Depletio	n. RM=Reduc	ed Matrix, CS=Covere	ed or Coate	ed Sand Gra	ins ² Locat	tion: PL=Pore Lining. M=Ma	atrix
Hydric Soil I	Indicators:						Indicators for Proble	matic Hydric Soils ³ :
Histosol (Dark Surface (. ,			2 cm Muck (A10)	
	pedon (A2)		Polyvalue Belov				Coast Prairie Redo	
Black Hist			Thin Dark Surfa			48)	(MLRA 147,148)	, (A10)
	Sulfide (A4)		Loamy Gleyed)		Piedmont Floodpla	ain Soils (F19)
	Layers (A5)		Depleted Matri				(MLRA 136, 147)	
	k (A10) (LRR N)		Redox Dark Su	. ,	=\		Very Shallow Dark	Surface (TF12)
	Below Dark Surface (A	.11)	Depleted Dark		/)		Other (Explain in	Remarks)
	k Surface (A12)		Redox Depress Iron-Manganes		(E12) (LDD (NI.		
Sandy Mu MLRA 147	ick Mineral (S1) (LRR N 7, 148)	١,	MLRA 136)					
	eyed Matrix (S4)		Umbric Surface				3 Indicators of	nydrophytic vegetation and
Sandy Re			☐ Piedmont Floo				wetland hyd	rology must be present,
☐ Stripped N	Matrix (S6)		Red Parent Ma	iterial (F21)	(MLRA 127	7, 147)	unless dis	sturbed or problematic.
Restrictive L	ayer (if observed):							
Type:								
Depth (inc	hes):						Hydric Soil Present?	Yes O No •
Remarks:								

Project/Site: AEP Carrollton-Sunnyside	e T-Line	City	/County: Carroll	Sampling Date: 26-Apr-17
Applicant/Owner: AEP			State: OH	
Investigator(s): BCR/MDT		Sec	tion, Township, Range: S	
Landform (hillslope, terrace, etc.):	Hillside	Local	relief (concave, convex, r	
Subregion (LRR or MLRA): LRR N	Tilliside			1
,		Lat.: 40.63	311/5 LO F	
Soil Map Unit Name: FcB			Yes No (If no.	NWI classification: NA
Are climatic/hydrologic conditions on			•	, explain in Remarks.)
Are Vegetation, Soil	, or Hydrolog	gy significantly dist	urbed? Are "Normal	Circumstances" present? Yes Vo Vo
Are Vegetation , Soil ,	, or Hydrolo	gy naturally probler	matic? (If needed,	explain any answers in Remarks.)
Summary of Findings - Att	ach site	map showing samp	ling point location	s, transects, important features, etc.
Hydrophytic Vegetation Present?	Yes O	No 💿		
Hydric Soil Present?	Yes 🔾	No 💿	Is the Sampled Area	Yes ○ No ●
Wetland Hydrology Present?	Yes 🔾	No 💿	within a Wetland?	res U NU U
Remarks:				
Hydrology				
Wetland Hydrology Indicators:				Secondary Indicators (minimum of two required)
Primary Indicators (minimum of on	<u>e required; c</u>	heck all that apply)		Surface Soil Cracks (B6)
Surface Water (A1)		True Aquatic Plants (B14)		Sparsely Vegetated Concave Surface (B8)
High Water Table (A2)		Hydrogen Sulfide Odor (C	•	Drainage Patterns (B10)
Saturation (A3)		Oxidized Rhizospheres ald		Moss Trim Lines (B16)
Water Marks (B1)		Presence of Reduced Iron	• ,	Dry Season Water Table (C2)
Sediment Deposits (B2) Drift deposits (B3)		Recent Iron Reduction in	Tilled Soils (C6)	Crayfish Burrows (C8)
Algal Mat or Crust (B4)		Thin Muck Surface (C7)	`	Saturation Visible on Aerial Imagery (C9) Stunted or Stressed Plants (D1)
Iron Deposits (B5)		Other (Explain in Remarks	S)	Geomorphic Position (D2)
Inundation Visible on Aerial Imagery	/ (B7)			Shallow Aquitard (D3)
Water-Stained Leaves (B9)	` '			Microtopographic Relief (D4)
Aquatic Fauna (B13)				FAC-neutral Test (D5)
Field Observations:				
Surface Water Present? Yes		Depth (inches):		
Water Table Present? Yes	No 💿	Depth (inches):		rology Present? Yes No 💿
Saturation Present? (includes capillary fringe) Yes	No 💿	Depth (inches):	Wetland Hyd	rology Present? Yes O No •
Describe Recorded Data (stream ga	uge, monitor	ing well, aerial photos, pre	vious inspections), if avai	lable:
J (3.	3,,	3 · , · · · · · · · · · · · · · · · · ·	,, ,,	
Remarks:				

		Dominant Engaine?		Sampling Point:	UDI DOI CTEO	17 01,02
Tree Stratum (Plot size:)	Absolute % Cover		Indicator Status			
1	0	0.0%		Number of Dominant Species That are OBL, FACW, or FAC:	1	(A)
2		0.0%		T		
3		0.0%		Total Number of Dominant Species Across All Strata:	5	(B)
4		0.0%		'		• /
5	0	0.0%		Percent of dominant Species	20.00/	(A/B)
ô		0.0%		That Are OBL, FACW, or FAC:	20.0%	(A/D)
7	0	0.0%		Prevalence Index worksheet:		
3	0	0.0%		Total % Cover of: Mult	iply by:	
(Dlataire)	, _ 0 =	= Total Cove	r	0BL speciles0 x 1	= 0	
Sapling-Sapling/Shrub Stratum (Plot size:				FACW species 25 x 2	= 50	
		0.0%		FAC species 35 x 3	= 105	
<u>2.</u>		0.0%		FACU species 95 x 4		
3		0.0%		UPL species 60 x 5		
1		0.0%		1		(B)
5		0.0%		Column Totals: 215 (A)	835	(6)
5		0.0%		Prevalence Index = B/A =	3.884	
7		0.0%		Hydrophytic Vegetation Indicators	·	
3		0.0%		Rapid Test for Hydrophytic Ve	getation	
9	0	0.0%		Dominance Test is > 50%		
)		0.0%		Prevalence Index is ≤3.0 ¹		
Shrub Stratum (Plot size:)	0 =	= Total Cove	r	Morphological Adaptations 1	(Provide supp	ortina
1. Rosa multiflora	20	✓ 66.7%	FACU	data in Remarks or on a separ		J
2. Prunus serotina	10	33.3%	FACU	Problematic Hydrophytic Vege	etation 1 (Exp	lain)
3		0.0%		¹ Indicators of hydric soil and wet	land hydrolog	v must
4		0.0%		be present, unless disturbed or pro		,
5		0.0%		Definition of Vegetation Strat	a:	
		0.0%		Four Vegetation Strata:		
5		0.0%		Tree stratum – Consists of woody plan	nts, excluding	vines, 3 in.
7		= Total Cove		(7.6 cm) or more in diameter at breast regardless of height.	height (DBH),	
Herb Stratum (Plot size:)				Sapling/shrub stratum – Consists of w	voody plants, e	xcludina
1. Setaria faberi	60	32.4%	UPL	vines, less than 3 in. DBH and greater		
2. Schedonorus arundinaceus	25	13.5%	FACU	Herb stratum – Consists of all herbace		
3. Apocynum cannabinum	35	18.9%	FACU	regardless of size, and all other plants		
1. Taraxacum officinale	5	2.7%	FACU	Woody vines – Consists of all woody vin height.	vines greater tr	ian 3.28 ft
5. Solidago gigantea	25	13.5%	FACW			
6. Claytonia virginica	35	18.9%	FAC	Five Vegetation Strata:		
7	0	0.0%		Tree - Woody plants, excluding woody	vines, approx	imately 20
3	0	0.0%		ft (6 m) or more in height and 3 in. (7.6		
9		0.0%		diameter at breast height (DBH). Sapling stratum – Consists of woody	nlante eveludii	na woody
)	0	0.0%		vines, approximately 20 ft (6 m) or mo		
1		0.0%		than 3 in. (7.6 cm) DBH.		
2	0	0.0%		Shrub stratum – Consists of woody pl vines, approximately 3 to 20 ft (1 to 6 i		g woody
Woody Vine Stratum (Plot size:)	185 =	= Total Cove	r	Herb stratum – Consists of all herbace	, -	dy) plants.
1	0	0.0%		including herbaceous vines, regardles	ss of size, and v	woody
2	0	0.0%		species, except woody vines, less tha m) in height.	n approximatel	y 3 ft (1
3.		0.0%		Woody vines – Consists of all woody	vines regardle	ss of
		0.0%		height.	, . oga: alc.	-5 0.
4		0.0%				
5				Hydrophytic		
6				Vegetation Present? Yes No •		

Soil Sampling Point: upl-bcr-042617-01,02

Profile Descri	iption: (Describe to	the depth n	eeded to documen	t the indic	ator or co	nfirm the a	bsence of indicators.)	
Depth								
(inches)	Color (moist)	<u>%</u>	Color (moist)	%_	Tvpe 1	Loc2	Texture	Remarks
0-12	10YR 4/3	80	10YR 4/6	20	C	M	Silt Loam	
	-							
						-		
1 Type: C=Cond	rentration D=Depletio	n RM=Reduc	ed Matrix CS=Cover	ed or Coate	ed Sand Gra	ins 21 oca	tion: PL=Pore Lining. M=Ma	atrix
Hydric Soil I		II. KWI-Keuuc	ed Matrix, C3-Cover	ed of coate	Su Sariu Gra	IIIS LOCA		
Histosol (A			Dark Surface ((C7)			Indicators for Proble	matic Hydric Soils 3:
	pedon (A2)		Polyvalue Belo		(CO) (MI DA	147 140)	2 cm Muck (A10)	(MLRA 147)
Black Histi			Thin Dark Surf				Coast Prairie Redo	x (A16)
	Sulfide (A4)					40)	(MLRA 147,148)	
	Layers (A5)		Loamy Gleyed Depleted Matr				Piedmont Floodpla	ain Soils (F19)
	k (A10) (LRR N)		Redox Dark Su				(MLRA 136, 147)	
		11)	Depleted Dark		7)			
	Below Dark Surface (A	11)	Redox Depress		")		Other (Explain in	Remarks)
	k Surface (A12)		Iron-Mangane		'F12\ (I DD I	M		
Sandy Mu MLRA 147	ck Mineral (S1) (LRR N 7, 148)	l,	MLRA 136)					
	yed Matrix (S4)		Umbric Surfac				3 Indicators of I	nydrophytic vegetation and
Sandy Red			☐ Piedmont Floo				wetland hyd	rology must be present,
Stripped N	Matrix (S6)		Red Parent Ma	aterial (F21)	(MLRA 127	7, 147)	unless dis	turbed or problematic.
Restrictive La	ayer (if observed):							
Type:								
Depth (inch	nes):						Hydric Soil Present?	Yes O No 💿
Remarks:								

Project/Site: AEP Carrollton-Sunnysid	le T-Line	City/County: Carroll	Sampling Date: 25-Apr-17
Applicant/Owner: AEP		State: OH	Sampling Point: upl-bcr-042517-02,03
Investigator(s): BCR/MDT		Section, Township, Range: S	31 T 16N R 6W
Landform (hillslope, terrace, etc.):	Footslope	Local relief (concave, convex, n	one): none Slope: 0.0% / 0.0 °
Subregion (LRR or MLRA): LRR N	<u> </u>	40.655098 Lon	ng.: -81.198562
Soil Map Unit Name: Sb		40.033070	NWI classification: NA
Are climatic/hydrologic conditions or	n the site tunical for this time of yes	ar? Yes No (If no.	explain in Remarks.)
Are Vegetation , Soil			Circumstances" present? Yes No
Are Vegetation $igsqcup$, Soil $igsqcup$, or Hydrology 🔲 naturally pr	oblematic? (If needed,	explain any answers in Remarks.)
Summary of Findings - At	tach site map showing sa	ampling point location	s, transects, important features, etc.
Hydrophytic Vegetation Present?	Yes O No 💿		
Hydric Soil Present?	Yes O No 💿	Is the Sampled Area	Yes ○ No ●
Wetland Hydrology Present?	Yes O No 💿	within a Wetland?	103 0 110 0
Remarks:		-	
opiana data point in mowed lawn	adjacent to wetlands, stream and l	Lake Monawk.	
Hydrology			
Wetland Hydrology Indicators:			Secondary Indicators (minimum of two required)
Primary Indicators (minimum of or	ne required; check all that apply)		Surface Soil Cracks (B6)
Surface Water (A1)	True Aquatic Plants	(B14)	Sparsely Vegetated Concave Surface (B8)
High Water Table (A2)	Hydrogen Sulfide O	• •	Drainage Patterns (B10)
Saturation (A3)		res along Living Roots (C3)	Moss Trim Lines (B16)
Water Marks (B1)	Presence of Reduce	• •	Dry Season Water Table (C2)
Sediment Deposits (B2)	Recent Iron Reduct	ion in Tilled Soils (C6)	Crayfish Burrows (C8)
Drift deposits (B3)	Thin Muck Surface	(C7)	Saturation Visible on Aerial Imagery (C9)
Algal Mat or Crust (B4)	Other (Explain in Re	emarks)	Stunted or Stressed Plants (D1)
☐ Iron Deposits (B5)	(T-1)		Geomorphic Position (D2)
Inundation Visible on Aerial Imager	y (B7)		Shallow Aquitard (D3)
Water-Stained Leaves (B9)			Microtopographic Relief (D4)
Aquatic Fauna (B13)			FAC-neutral Test (D5)
Field Observations: Surface Water Present? Yes	No Depth (inches):		
Water Table Present? Yes			
C		Wetland Hydr	rology Present? Yes O No 💿
(includes capillary fringe) Yes			
Describe Recorded Data (stream ga	auge, monitoring well, aerial photos	s, previous inspections), if avail	able:
Remarks:			

		-Species?	Sampling Point: <u>upi-pcr-042517-02,03</u>
Tree Stratum (Plot size:)	Absolute % Cover	Rel.Strat. Indicator	Dominance Test worksheet:
		0.0%	Number of Dominant Species That are OBL, FACW, or FAC: 0 (A)
1		0.0%	That are OBL, FACW, or FAC: O (A)
3		0.0%	Total Number of Dominant
4		0.0%	Species Across All Strata: (B)
		0.0%	Percent of dominant Species
5		0.0%	That Are OBL, FACW, or FAC: 0.0% (A/B)
6		0.0%	Prevalence Index worksheet:
7		0.0%	Total % Cover of: Multiply by:
8		= Total Cover	
Sapling-Sapling/Shrub Stratum (Plot size:	_)	- Total Cover	OBL species 0 x 1 = 0 FACW species 0 x 2 = 0
1	0		
2	0		· — —
3	0		FACU species $35 \times 4 = 140$
4	0		UPL speci es $\frac{70}{}$ x 5 = $\frac{350}{}$
5	0		Column Totals: <u>105</u> (A) <u>490</u> (B)
6	_	0.0%	Prevalence Index = B/A =4.667_
7	0		Hydrophytic Vegetation Indicators:
8	0	0.0%	Rapid Test for Hydrophytic Vegetation
9	0	0.0%	Dominance Test is > 50%
0	0	0.0%	Prevalence Index is ≤3.0 ¹
Shrub Stratum (Plot size:)		= Total Cover	Morphological Adaptations ¹ (Provide supporting
1	0	0.0%	data in Remarks or on a separate sheet)
2		0.0%	Problematic Hydrophytic Vegetation ¹ (Explain)
3.		0.0%	¹ Indicators of hydric soil and wetland hydrology must
4		0.0%	be present, unless disturbed or problematic.
5		0.0%	Definition of Vegetation Strata:
6		0.0%	Four Vegetation Strata:
		0.0%	Tree stratum – Consists of woody plants, excluding vines, 3 in.
7		= Total Cover	(7.6 cm) or more in diameter at breast height (DBH), regardless of height.
Herb Stratum (Plot size:)			Sapling/shrub stratum – Consists of woody plants, excluding
1. Setaria faberi		✓ 66.7% UPL	vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.
2. Plantago major		9.5% FACU	Herb stratum – Consists of all herbaceous (non-woody) plants, regardless of size, and all other plants less than 3.28 ft tall.
3. Taraxacum officinale		14.3%FACU	'
4. Achillea millefolium		9.5% FACU	Woody vines – Consists of all woody vines greater than 3.28 ft in height.
5	0	0.0%	
6		0.0%	Five Vegetation Strata:
7		0.0%	Tree - Woody plants, excluding woody vines, approximately 20
8			ft (6 m) or more in height and 3 in. (7.6 cm) or larger in diameter at breast height (DBH).
9			Sapling stratum – Consists of woody plants, excluding woody
0	0		vines, approximately 20 ft (6 m) or more in height and less
1	0		than 3 in. (7.6 cm) DBH.
2	0	0.0%	Shrub stratum – Consists of woody plants, excluding woody vines, approximately 3 to 20 ft (1 to 6 m) in height.
Woody Vine Stratum (Plot size:)	105 =	= Total Cover	Herb stratum – Consists of all herbaceous (non-woody) plants,
1	0	0.0%	including herbaceous vines, regardless of size, and woody species, except woody vines, less than approximately 3 ft (1
2	0	0.0%	m) in height.
3	0	0.0%	Woody vines – Consists of all woody vines, regardless of
4.	0	0.0%	height.
5.	0	0.0%	
6	0	0.0%	Hydrophytic Vegetation
	0	= Total Cover	Present? Yes V No V

Soil Sampling Point: upl-bcr-042517-02,03

Profile Desci		the depth i				nfirm the a	absence of indicators.)	
Depth	Matrix			lox Featu	res 1		·	
(inches) 0-10	Color (moist) 10YR 4/4	%	Color (moist)	%	Tvpe 1	Loc ²	Texture Silt Loam	Remarks
	101K 4/4	100					Silt Loaiii	
	-							
				-		-		
		n. RM=Redu	iced Matrix, CS=Covere	d or Coate	ed Sand Gra	ins ² Loca	tion: PL=Pore Lining. M=M	atrix
Hydric Soil							Indicators for Proble	ematic Hydric Soils ³ :
Histosol (Dark Surface (,			2 cm Muck (A10)	(MLRA 147)
	pedon (A2)		Polyvalue Belov				Coast Prairie Redo	ox (A16)
Black His			☐ Thin Dark Surfa			48)	(MLRA 147,148)	
	Sulfide (A4)		Loamy Gleyed				Piedmont Floodpl	ain Soils (F19)
	Layers (A5)		Depleted Matrix Redox Dark Su				(MLRA 136, 147)	
I —	k (A10) (LRR N)	44)	Depleted Dark	` ,	7)		Very Shallow Dark	
	Below Dark Surface (A k Surface (A12)	.11)	Redox Depress		,,		Other (Explain in	Remarks)
	, ,		☐ Iron-Manganes		F12) (LRR I	N.		
MLRA 14	•	۱,	MLRA 136)					
	eyed Matrix (S4)		Umbric Surface				³ Indicators of	hydrophytic vegetation and
Sandy Re			☐ Piedmont Floor				wetland hyd	rology must be present,
Stripped	Matrix (S6)		Red Parent Ma	terial (F21)	(MLRA 12	7, 147)	unless di	sturbed or problematic.
Restrictive L	ayer (if observed):							
Туре:								
Depth (inc	:hes):						Hydric Soil Present?	Yes ○ No •
Remarks:								

Project/Site: AEP Carrollton-Sunnysi	ide T-Line	City/County: Carroll	Sampling Date: 25-Apr-17
Applicant/Owner: AEP		State: OH	Sampling Point: upl-bcr-042517-01
Investigator(s): BCR/MDT		Section, Township, Range: S	
Landform (hillslope, terrace, etc.):	Hillside	Local relief (concave, convex, r	none): convex Slope: 0.0% / 0.0 °
Subregion (LRR or MLRA): LRR N		40.663352 Lo i	ng.: -81.213560
Soil Map Unit Name: GfB		40.003332	NWI classification: NA
Are climatic/hydrologic conditions o	on the site typical for this time of ye	ar? Yes • No O (If no	, explain in Remarks.)
Are Vegetation , Soil .			I Circumstances" present? Yes No
Are Vegetation, Soil	, or Hydrology naturally p	roblematic? (If needed,	explain any answers in Remarks.)
		,	ns, transects, important features, etc.
Hydrophytic Vegetation Present?	Yes ○ No •		
Hydric Soil Present?	Yes O No 💿	Is the Sampled Area	Yes ○ No ●
Wetland Hydrology Present?	Yes O No 🗨	within a Wetland?	ies C NO C
Remarks: Upland data point on hillslope adj	jacent to w-bcr-042517-01.		
Hydrology			
Wetland Hydrology Indicators:			Secondary Indicators (minimum of two required)
Primary Indicators (minimum of o			Surface Soil Cracks (B6)
Surface Water (A1)	True Aquatic Plants		Sparsely Vegetated Concave Surface (B8)
High Water Table (A2)	☐ Hydrogen Sulfide O	, ,	Drainage Patterns (B10)
Saturation (A3)		res along Living Roots (C3)	Moss Trim Lines (B16)
Water Marks (B1)	Presence of Reduce	• ,	Dry Season Water Table (C2)
Sediment Deposits (B2)		ion in Tilled Soils (C6)	Crayfish Burrows (C8)
Drift deposits (B3)	☐ Thin Muck Surface	• ,	Saturation Visible on Aerial Imagery (C9)
☐ Algal Mat or Crust (B4)☐ Iron Deposits (B5)	Uther (Explain in R	emarks)	Stunted or Stressed Plants (D1)
Inundation Visible on Aerial Image	on. (P7)		Geomorphic Position (D2)
Water-Stained Leaves (B9)	ery (B7)		Shallow Aquitard (D3)
Aquatic Fauna (B13)			Microtopographic Relief (D4)
			FAC-neutral Test (D5)
Field Observations: Surface Water Present? Yes	No Depth (inches):		
Water Table Present? Yes	No Depth (inches):		
Saturation Present? (includes capillary frings) Yes	_	Wetland Hyd	rology Present? Yes O No 🗨
(includes capillally irringe)	gauge, monitoring well, aerial photo:		ilable
Describe Recorded Data (stream g	jauge, monitoring well, aeriai prioto.	s, previous irispections), ir avai	nable.
Remarks:			
incinario.			

		Dominant		Sampling Point: upl-bcr-042517-01
Tree Stratum (Plot size:)	Absolute % Cover	-Species? Rel.Strat. Cover	Indicator Status	
 1	0	0.0%		Number of Dominant Species That are OBL, FACW, or FAC:1 (A)
2.	0	0.0%		T. LIN J. CD.
3		0.0%		Total Number of Dominant Species Across All Strata:4 (B)
1		0.0%		
5	0			Percent of dominant Species That Are OBL, FACW, or FAC:25.0% (A/B)
S	0			That Are Obe, FACW, of FAC.
7				Prevalence Index worksheet:
3		0.0%		Total % Cover of: Multiply by:
apling-Sapling/Shrub Stratum (Plot size:) =	= Total Cove	r	0BL speci es x 1 =0
	_	0.0%		FACW species <u>80</u> x 2 = <u>160</u>
)		0.0%		FAC species $0 \times 3 = 0$
3	0	0.0%		FACU speciles x 4 =
l		0.0%		UPL species $0 \times 5 = 0$
·)		0.0%		Column Totals: <u>135</u> (A) <u>380</u> (B)
). <u> </u>		0.0%		Prevalence Index = B/A =2.815
•		0.0%		Hydrophytic Vegetation Indicators:
3				Rapid Test for Hydrophytic Vegetation
)				Dominance Test is > 50%
)		0.0%		✓ Prevalence Index is ≤3.0 ¹
Shrub Stratum (Plot size:)	=	= Total Cove	r	Morphological Adaptations ¹ (Provide supporting
. Prunus serotina	10	66.7%	FACU	data in Remarks or on a separate sheet)
Crataegus mollis	5	✓ 33.3%	FACU	Problematic Hydrophytic Vegetation ¹ (Explain)
3		0.0%		¹ Indicators of hydric soil and wetland hydrology must
k				be present, unless disturbed or problematic.
5		0.0%		Definition of Vegetation Strata:
5		0.0%		Four Vegetation Strata:
7		0.0%		Tree stratum – Consists of woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH),
lerb Stratum_ (Plot size:)	15 =	= Total Cove	r	regardless of height.
. Elymus virginicus	80	66.7%	FACW	Sapling/shrub stratum – Consists of woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.
Rubus allegheniensis		✓ 25.0%	FACU	Herb stratum – Consists of all herbaceous (non-woody) plants.
3. Andropogon virginicus		8.3%	FACU	regardless of size, and all other plants less than 3.28 ft tall.
		0.0%		Woody vines – Consists of all woody vines greater than 3.28 ft in height.
i	0			
). ,				Five Vegetation Strata:
·		0.0%		Tree - Woody plants, excluding woody vines, approximately 20
S		0.0%		ft (6 m) or more in height and 3 in. (7.6 cm) or larger in diameter at breast height (DBH).
		0.0%		Sapling stratum – Consists of woody plants, excluding woody
)		0.0%		vines, approximately 20 ft (6 m) or more in height and less than 3 in. (7.6 cm) DBH.
		0.0%		Shrub stratum – Consists of woody plants, excluding woody
<u>. </u>	0120 =			vines, approximately 3 to 20 ft (1 to 6 m) in height.
Voody Vine Stratum (Plot size:)			•	Herb stratum – Consists of all herbaceous (non-woody) plants, including herbaceous vines, regardless of size, and woody
		0.0%		species, except woody vines, less than approximately 3 ft (1
). ,		0.0%		m) in height.
J		0.0%		Woody vines – Consists of all woody vines, regardless of height.
		0.0%		
5		0.0%		Hydrophytic
5		0.0%		Vegetation Present? Yes ○ No ●
	0 :	= Total Cove	r	Fresenti

Soil Sampling Point: upl-bcr-042517-01

Profile Descr	iption: (Describe to	the depth no	eeded to document	the indic	ator or co	nfirm the a	absence of indicators.)	
Depth	Matrix			dox Featu	ires 1			
(inches) 0-12	Color (moist) 10YR 4/6	%	Color (moist)	<u>%</u>	Tvpe 1	Loc²	Texture Silty Clay Loam	Remarks
U-12	101K 4/0	100		-			Silty Clay Loam	
	-		-	-			,	
				-				
		n. RM=Reduc	ed Matrix, CS=Covere	ed or Coate	ed Sand Gra	ins ² Loca	tion: PL=Pore Lining. M=Ma	atrix
Hydric Soil I							Indicators for Proble	ematic Hydric Soils ³ :
Histosol (Dark Surface (•			2 cm Muck (A10)	(MLRA 147)
	pedon (A2)		Polyvalue Belov				Coast Prairie Redo	
Black Hist	ic (A3) Sulfide (A4)		Thin Dark Surfa			48)	(MLRA 147,148)	. •
	Layers (A5)		Loamy Gleyed)		Piedmont Floodpl	ain Soils (F19)
	k (A10) (LRR N)		Depleted Matri Redox Dark Su				(MLRA 136, 147)	
		11)	Depleted Dark	` '	7)			
	Below Dark Surface (A k Surface (A12)	111)	Redox Depress		,,		Other (Explain in	Remarks)
	ick Mineral (S1) (LRR N	ı	☐ Iron-Manganes		(F12) (LRR I	V.		
MLRA 147	7, 148)	ч,	MLRA 136)					
	eyed Matrix (S4)		Umbric Surface				³ Indicators of	hydrophytic vegetation and
Sandy Re			☐ Piedmont Floo				wetland hyd	Irology must be present,
Stripped i	Matrix (S6)		Red Parent Ma	terial (F21)) (MLRA 12)	7, 147)	unless dis	sturbed or problematic.
Restrictive L	ayer (if observed):							
Туре:								
Depth (inc	hes):						Hydric Soil Present?	Yes ○ No •
Remarks:								

Project/Site: AEP Carrollton-Sunnysid	de T-Line	City/County: Carroll	Sampling Date: 25-Apr-17
Applicant/Owner: AEP		State: OH	H Sampling Point: upl-bcr-042517-04
Investigator(s): BCR/MDT		Section, Township, Range: S	R 7W
Landform (hillslope, terrace, etc.):	Footslope	Local relief (concave, convex, r	none): none
Subregion (LRR or MLRA): LRR N	Lat.:	40.666549 Lo i	ng.: -81.218071
Soil Map Unit Name: GfB		10.000017	NWI classification: NA
Are climatic/hydrologic conditions or	n the site typical for this time of yea	ar? Yes • No O (If no	o, explain in Remarks.)
Are Vegetation \square , Soil \square	, or Hydrology significantly	y disturbed? Are "Norma	Il Circumstances" present? Yes ● No ○
Are Vegetation, Soil	, or Hydrology naturally pr	roblematic? (If needed,	explain any answers in Remarks.)
		,	ns, transects, important features, etc.
Hydrophytic Vegetation Present?	Yes O No •		
Hydric Soil Present?	Yes O No	Is the Sampled Area	Yes ○ No ●
Wetland Hydrology Present?	Yes O No •	within a Wetland?	res U NO U
Remarks:			
Hydrology			
Wetland Hydrology Indicators:			Secondary Indicators (minimum of two required)
Primary Indicators (minimum of or			Surface Soil Cracks (B6)
Surface Water (A1)	True Aquatic Plants		Sparsely Vegetated Concave Surface (B8)
High Water Table (A2)	☐ Hydrogen Sulfide O	, ,	Drainage Patterns (B10)
Saturation (A3)		res along Living Roots (C3)	Moss Trim Lines (B16)
Water Marks (B1) Sediment Deposits (B2)	Presence of Reduce	• ,	Dry Season Water Table (C2)
Drift deposits (B3)		ion in Tilled Soils (C6)	Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9)
Algal Mat or Crust (B4)	Thin Muck Surface	• ,	Stunted or Stressed Plants (D1)
Iron Deposits (B5)	U Other (Explain in Re	emarks)	Geomorphic Position (D2)
Inundation Visible on Aerial Imager	y (B7)		Shallow Aquitard (D3)
☐ Water-Stained Leaves (B9)			Microtopographic Relief (D4)
Aquatic Fauna (B13)			FAC-neutral Test (D5)
Field Observations:			
Surface Water Present? Yes			
Water Table Present? Yes	No Depth (inches):		Irology Present? Yes O No 💿
Saturation Present? (includes capillary fringe) Yes	No Depth (inches):	Wetland Hyd	Irology Present? Yes ○ No ●
Describe Recorded Data (stream ga	auge, monitoring well, aerial photos	s, previous inspections), if avai	ilable:
Remarks:			

Indicator Status Dominance Test worksheet:
That are OBL, FACW, or FAC:1(A)
Total Number of Dominant
Species Across All Strata: 4 (B)
Species Across Air Strata4 (b)
Percent of dominant Species
That Are OBL, FACW, or FAC: 25.0% (A/B)
Prevalence Index worksheet:
Total % Cover of: Multiply by:
er
FAC speciles 20 x 3 = 60
FACU species 95 x 4 = 380
UPL speci es $0 \times 5 = 0$
Col umn Total s: 145 (A) 500 (B)
Prevalence Index = B/A =
Hydrophytic Vegetation Indicators:
Rapid Test for Hydrophytic Vegetation
Dominance Test is > 50%
Prevalence Index is ≤3.0 ¹
Morphological Adaptations 1 (Provide supporting
Buchland in the back to Vende Hand (Foundation
1700
1 Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
Definition of Vegetation Strata:
Four Vegetation Strata:
Tree stratum – Consists of woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH),
er regardless of height.
Sapling/shrub stratum – Consists of woody plants, excluding
vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall. FACU Herb stratum – Consists of all herbaceous (non-woody) plants,
FAC regardless of size, and all other plants less than 3.28 ft tall.
FAC Woody vines – Consists of all woody vines greater than 3.28 ft
FACU in height.
FACU Fin Vandadin Change
FACU Five Vegetation Strata:
Tree - Woody plants, excluding woody vines, approximately 20
ft (6 m) or more in height and 3 in. (7.6 cm) or larger in diameter at breast height (DBH).
Sapling stratum – Consists of woody plants, excluding woody
vines, approximately 20 ft (6 m) or more in height and less
than 3 in. (7.6 cm) DBH. Shrub stratum – Consists of woody plants, excluding woody
vines, approximately 3 to 20 ft (1 to 6 m) in height.
er Herb stratum – Consists of all herbaceous (non-woody) plants,
including herbaceous vines, regardless of size, and woody species, except woody vines, less than approximately 3 ft (1
m) in height.
Woody vines – Consists of all woody vines, regardless of
height.
Hydrophytic
Vegetation Present? Yes No
ei
er — -

Soil Sampling Point: upl-bcr-042517-04

Depth		the depth n	eeded to document	the indica	ator or co	nfirm the a	bsence of indicators.)		
	Matrix			dox Featu	res				
_(inches)	Color (moist)		Color (moist)	%	Tvpe 1	Loc ²	Texture	Remarks	
0-12	10YR 5/4	50					Silty Clay Loam		
							,		
							-		
							,		
¹ Type: C=Cond	centration. D=Depletio	n. RM=Reduc	ed Matrix, CS=Covere	ed or Coate	d Sand Gra	ns ² Locat	tion: PL=Pore Lining. M=Ma	atrix	
Hydric Soil I	ndicators:						Indicators for Proble	matic Hydric Soils ³ :	
Histosol (A	A1)		Dark Surface (S7)			2 cm Muck (A10)		
	pedon (A2)		Polyvalue Belo						
Black Histi			Thin Dark Surf		LRA 147, 1	48)	Coast Prairie Redo (MLRA 147,148)	A (A 10)	
	Sulfide (A4)		Loamy Gleyed				Piedmont Floodpla	ain Soils (F19)	
	Layers (A5)		Depleted Matri				(MLRA 136, 147)		
	k (A10) (LRR N)		Redox Dark Su	` ,			Very Shallow Dark	Surface (TF12)	
_	Below Dark Surface (A	11)	Depleted Dark		')		Other (Explain in	Remarks)	
	k Surface (A12)		Redox Depress		540) (LDD N				
Sandy Mu MLRA 147	ck Mineral (S1) (LRR N 7, 148)	l,	Iron-Manganes MLRA 136)	·					
Sandy Gle	eyed Matrix (S4)		Umbric Surface				3 Indicators of	nydrophytic vegetation a	nd
Sandy Red			Piedmont Floo	dplain Soils	(F19) (MLF	A 148)	wetland hyd	rology must be present,	na
☐ Stripped N	Matrix (S6)		Red Parent Ma	iterial (F21)	(MLRA 127	, 147)	unless dis	turbed or problematic.	
Restrictive La	ayer (if observed):								
							Hydric Soil Present?	Yes O No 💿	
Туре:	hes):								
Type:									
Type: Depth (inch									
Type: Depth (inch									
Type: Depth (inch									
Type: Depth (inch									
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Type: Depth (inch									

Project/Site: Carrollton-Sunnyside		City/County: Stark County	Sampling Date: 28-Apr-17
Applicant/Owner: AEP		State: O	H Sampling Point: UP-BCR-042817-02
Investigator(s): BCR, PJR		Section, Township, Range: S	T 17N R 7W
Landform (hillslope, terrace, etc.):	Terrace	Local relief (concave, convex,	none): none Slope: 2.0% / 1.1 °
Subregion (LRR or MLRA):	Lat	: 40.685758 Lo	ng.: -81.242394
Soil Map Unit Name: Sb		10.000700	NWI classification: N/A
Are climatic/hydrologic conditions o	on the site typical for this time of	vear? Yes No (If no	o, explain in Remarks.)
Are Vegetation, Soil			Il Circumstances" present? Yes No
Are Vegetation, Soil		-	F. G.
		,	explain any answers in Remarks.) ns, transects, important features, etc.
Hydrophytic Vegetation Present?	Yes O No O		
Hydric Soil Present?	Yes O No 💿	Is the Sampled Area	Yes ○ No ●
Wetland Hydrology Present?	Yes O No 💿	within a Wetland?	res U NO U
Remarks:			
Hudrologu			
Hydrology			
Wetland Hydrology Indicators:			Secondary Indicators (minimum of two required)
Primary Indicators (minimum of or			Surface Soil Cracks (B6)
Surface Water (A1) High Water Table (A2)	True Aquatic Plan		Sparsely Vegetated Concave Surface (B8)
Saturation (A3)	Hydrogen Sulfide	, ,	☐ Drainage Patterns (B10) ☐ Moss Trim Lines (B16)
Water Marks (B1)	Presence of Redu	wheres along Living Roots (C3)	Dry Season Water Table (C2)
Sediment Deposits (B2)		uction in Tilled Soils (C6)	Crayfish Burrows (C8)
Drift deposits (B3)	Thin Muck Surface	• ,	Saturation Visible on Aerial Imagery (C9)
Algal Mat or Crust (B4)	Other (Explain in	• ,	Stunted or Stressed Plants (D1)
Iron Deposits (B5)	Other (Explain in	i Kemarks)	Geomorphic Position (D2)
Inundation Visible on Aerial Imager	ery (B7)		Shallow Aquitard (D3)
Water-Stained Leaves (B9)			Microtopographic Relief (D4)
Aquatic Fauna (B13)			FAC-neutral Test (D5)
Field Observations:			
Surface Water Present? Yes		:	
Water Table Present? Yes	No Depth (inches)	: Wetland Hyd	Irology Present? Yes ○ No ●
Saturation Present? (includes capillary fringe) Yes	No Depth (inches)	:	ilology Fresent: 165 C NO C
Describe Recorded Data (stream ga	jauge, monitoring well, aerial pho	tos, previous inspections), if avai	ilable:
Remarks:			

		Commant		Sampling Point: UP-BCR-042817-02
Tree Stratum (Plot size:)	Absolute % Cover		Indicator Status	
1				Number of Dominant Species That are OBL, FACW, or FAC: O (A)
2		0.0%		Total Number of Dominant
3		0.0%		Species Across All Strata: 1 (B)
4		0.0%		
5				Percent of dominant Species That Are OBL, FACW, or FAC: 0.0% (A/B)
6				
7				Prevalence Index worksheet:
8		0.0%		Total % Cover of: Multiply by:
Sapling-Sapling/Shrub Stratum (Plot size:) =	= Total Cove	r	OBL species 0 x 1 = 0
1	_	0.0%		FACW species 0 x 2 = 0
2		0.0%		FAC species $0 \times 3 = 0$
3		0.0%		FACU speciles $\frac{85}{}$ x 4 = $\frac{340}{}$
4		0.0%		UPL speci es $0 \times 5 = 0$
5		0.0%		Column Totals: <u>85</u> (A) <u>340</u> (B)
6		0.0%		Prevalence Index = B/A =4.000_
7	0	0.0%		Hydrophytic Vegetation Indicators:
8		0.0%		Rapid Test for Hydrophytic Vegetation
9		0.0%		Dominance Test is > 50%
0		0.0%		Prevalence Index is ≤3.0 ¹
Shrub Stratum (Plot size:)	0=	= Total Cove	r	Morphological Adaptations ¹ (Provide supporting
1	0	0.0%		data in Remarks or on a separate sheet)
2.	0	0.0%		Problematic Hydrophytic Vegetation ¹ (Explain)
3		0.0%		¹ Indicators of hydric soil and wetland hydrology must
4.		0.0%		be present, unless disturbed or problematic.
5		0.0%		Definition of Vegetation Strata:
6		0.0%		Four Vegetation Strata:
7		0.0%		Tree stratum – Consists of woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH),
Herb Stratum (Plot size:)		= Total Cove	r	regardless of height.
1Rosa multiflora	5	5.9%	FACU	Sapling/shrub stratum – Consists of woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.
2. Achillea millefolium	15	17.6%	FACU	Herb stratum – Consists of all herbaceous (non-woody) plants,
3. Solidago altissima		76.5%	FACU	regardless of size, and all other plants less than 3.28 ft tall.
4	0	0.0%		Woody vines – Consists of all woody vines greater than 3.28 ft
5	0	0.0%		in height.
6	0	0.0%		Five Vegetation Strata:
7		0.0%		Tree - Woody plants, excluding woody vines, approximately 20
8		0.0%		ft (6 m) or more in height and 3 in. (7.6 cm) or larger in
9	0	0.0%		diameter at breast height (DBH).
0		0.0%		Sapling stratum – Consists of woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and less
1	0	0.0%		than 3 in. (7.6 cm) DBH.
2		0.0%		Shrub stratum – Consists of woody plants, excluding woody vines, approximately 3 to 20 ft (1 to 6 m) in height.
Woody Vine Stratum (Plot size:)	85=	= Total Cove	r	Herb stratum – Consists of all herbaceous (non-woody) plants,
1	0	0.0%		including herbaceous vines, regardless of size, and woody
2.	0	0.0%		species, except woody vines, less than approximately 3 ft (1 m) in height.
3	0	0.0%		Woody vines – Consists of all woody vines, regardless of
4		0.0%		height.
 5		0.0%		
6.	0	0.0%		Hydrophytic Vegetation
o		= Total Cove		Present? Yes No •
				1

Soil Sampling Point: UP-BCR-042817-02

Depth	Matrix		Re	dox Featu				
(inches)	Color (moist)	%	Color (moist)	%_	Tvpe 1	Loc2	Texture	Remarks
0-16	10YR 5/3	55	10YR 4/8	30			Sandy Loam	
			10YR 6/2	15			Sandy Loam	
	-					-		
				-	-	-	-	
vpe: C=Con	centration. D=Depletion	n. RM=Redu	ced Matrix, CS=Cover	ed or Coate	ed Sand Gra	ains ² Loca	tion: PL=Pore Lining. M=M	atrix
ydric Soil I								
Histosol (Dark Surface ((\$7)				ematic Hydric Soils ³ :
_	pedon (A2)		Polyvalue Belo		(S8) (MLRA	147 148)	2 cm Muck (A10)	(MLRA 147)
Black Hist			☐ Thin Dark Surf				Coast Prairie Redo	ox (A16)
_	Sulfide (A4)		Loamy Gleyed			. 10)	(MLRA 147,148)	
_	Layers (A5)		Depleted Matri		,		Piedmont Floodpl (MLRA 136, 147)	ain Soils (F19)
_	k (A10) (LRR N)		Redox Dark Su				Very Shallow Dark	Curfaco (TE12)
_	Below Dark Surface (A	.11)	Depleted Dark	` '	7)			
	k Surface (A12)	,	Redox Depress		,		Other (Explain in	Remarks)
_	ıck Mineral (S1) (LRR N	N.	Iron-Manganes		(F12) (LRR	N,		
MLRA 147	7, 148)	•,	MLRA 136)					
Sandy Gle	eyed Matrix (S4)		Umbric Surface	e (F13) (MI	LRA 136, 1	22)	3	
Sandy Re	dox (S5)		Piedmont Floo	dplain Soils	s (F19) (ML	RA 148)	Indicators of wetland by:	hydrophytic vegetation and lrology must be present,
Stripped N	Matrix (S6)		Red Parent Ma	nterial (F21)) (MLRA 12	7, 147)		sturbed or problematic.
	('6 - b b)							
	ayer (if observed):							
Type:							Hydric Soil Present?	Yes O No •
	hes):						,	103 0 110 0
Remarks:								

Project/Site: Carrollton-Sunnyside		City/County: Stark County	Sampling Date: 28-Apr-17
Applicant/Owner: AEP		State: OH	
Investigator(s): PJR, LCB		Section, Township, Range: S	15 T 17N R 7W
Landform (hillslope, terrace, etc.):	Terrace	Local relief (concave, convex, n	one): convex Slope: 4.0% / 2.3 °
Subregion (LRR or MLRA):	Lat.:	40.687116 Lo n	ng.: -81.243573
Soil Map Unit Name: WrB			NWI classification: N/A
Are climatic/hydrologic conditions of	n the site typical for this time of yea	nr? Yes • No O (If no.	explain in Remarks.)
Are Vegetation , Soil .			Circumstances" present? Yes No
Are Vegetation, Soil	, or Hydrology naturally pr		explain any answers in Remarks.)
,		(s, transects, important features, etc.
Hydrophytic Vegetation Present?	Yes O No •		
Hydric Soil Present?	Yes O No •	Is the Sampled Area	Yes ○ No ●
Wetland Hydrology Present?	Yes ○ No •	within a Wetland?	ies C NO C
Remarks: Upland data point for W-pjr-04281	17-02		
Hydrology			
Wetland Hydrology Indicators:			Secondary Indicators (minimum of two required)
Primary Indicators (minimum of or Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial Imager Water-Stained Leaves (B9) Aquatic Fauna (B13) Field Observations: Surface Water Present? Water Table Present? Yes Water Table Present? Yes (includes capillary fringe) Describe Recorded Data (stream gates)	True Aquatic Plants Hydrogen Sulfide Or Oxidized Rhizospher Presence of Reduce Recent Iron Reducti Thin Muck Surface (Other (Explain in Reserve) No Depth (inches): Depth (inches): Depth (inches):	dor (C1) res along Living Roots (C3) d Iron (C4) on in Tilled Soils (C6) (C7) remarks) Wetland Hydi	Surface Soil Cracks (B6) Sparsely Vegetated Concave Surface (B8) Drainage Patterns (B10) Moss Trim Lines (B16) Dry Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Stunted or Stressed Plants (D1) Geomorphic Position (D2) Shallow Aquitard (D3) Microtopographic Relief (D4) FAC-neutral Test (D5)

					Sampling Point: UP-PJR-042817-02
Tree Stratum (Plot size:)	Absolute % Cover		rat.	Indicator Status	
1	0	0.	.0%		Number of Dominant Species That are OBL, FACW, or FAC: O (A)
2		0.	.0%		Total Number of Dominant
3		0.	.0%		Species Across All Strata:1(B)
4		0.	.0%		
5		0.	.0%		Percent of dominant Species That Are OBL, FACW, or FAC: 0.0% (A/B)
6		0.	.0%		That the obe, then, of the
7		\Box	.0%		Prevalence Index worksheet:
8			.0%		Total % Cover of: Multiply by:
Sapling-Sapling/Shrub Stratum (Plot size:) =	= Total	Cover		OBL species 0 x 1 = 0
1		0.	.0%		FACW species 0 x 2 = 0
2		0.	.0%		FAC species $0 \times 3 = 0$
3	0	0.	.0%		FACU speciles $90 \times 4 = 360$
4	0	0.	.0%		UPL speci es $0 \times 5 = 0$
5		0.	.0%		Column Totals: 90 (A) 360 (B)
6		0.	.0%		Prevalence Index = B/A = 4.000
7		0.	.0%		Hydrophytic Vegetation Indicators:
8	0	0.	.0%		Rapid Test for Hydrophytic Vegetation
9	0	0.	.0%		Dominance Test is > 50%
0	0	0.	.0%		Prevalence Index is ≤3.0 ¹
Shrub Stratum (Plot size:)	=	= Total	Cover		Morphological Adaptations ¹ (Provide supporting
1	0	0.	.0%		data in Remarks or on a separate sheet)
2	0	0.	.0%		Problematic Hydrophytic Vegetation ¹ (Explain)
3		0.	.0%		¹ Indicators of hydric soil and wetland hydrology must
4	0	0.	.0%		be present, unless disturbed or problematic.
5	0	0.	.0%		Definition of Vegetation Strata:
6	0	0.	.0%		Four Vegetation Strata:
7	0	0.	.0%		Tree stratum – Consists of woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH),
Herb Stratum (Plot size:)		= Total	Cover		regardless of height.
1. Trifolium repens	85	94	.4%	FACU	Sapling/shrub stratum – Consists of woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.
2. Plantago major	5	5.	.6%	FACU	Herb stratum – Consists of all herbaceous (non-woody) plants,
3	0	0.	.0%		regardless of size, and all other plants less than 3.28 ft tall.
4		0.	.0%		Woody vines – Consists of all woody vines greater than 3.28 ft in height.
5		0.	.0%		in noight.
6	0	0.	.0%		Five Vegetation Strata:
7	0	0.	.0%		Tree - Woody plants, excluding woody vines, approximately 20
8	0	0.	.0%		ft (6 m) or more in height and 3 in. (7.6 cm) or larger in
9	0	0.	.0%		diameter at breast height (DBH). Sapling stratum – Consists of woody plants, excluding woody
0		0.	.0%		vines, approximately 20 ft (6 m) or more in height and less
1	0	0.	.0%		than 3 in. (7.6 cm) DBH.
2	0		.0%		Shrub stratum – Consists of woody plants, excluding woody vines, approximately 3 to 20 ft (1 to 6 m) in height.
Woody Vine Stratum (Plot size:)	90 =	= Total	Cover		Herb stratum – Consists of all herbaceous (non-woody) plants,
1		0.	.0%		including herbaceous vines, regardless of size, and woody species, except woody vines, less than approximately 3 ft (1
2	0	0.	.0%		m) in height.
3	0	0.	.0%		Woody vines – Consists of all woody vines, regardless of
4	0	0.	.0%		height.
5		0.	.0%		Hydrophytic
6	0	0.	.0%		Hydrophytic Vegetation
		= Total	Cove		Present? Yes No •

Soil Sampling Point: UP-PJR-042817-02

Profile Descr	iption: (Describe to	the depth ne	eded to document	t the indica	ator or co	nfirm the a	bsence of indicators.)	
Depth	Matrix		Re	dox Featu				
(inches)	Color (moist)		Color (moist)	%	Type 1	Loc2	Texture	Remarks
0-16	10YR 5/6	100					Sandy Loam	
			-	_				
							-	
¹ Type: C=Cond	centration. D=Depletion	n. RM=Reduce	ed Matrix, CS=Cover	ed or Coate	d Sand Gra	ins ² Loca	tion: PL=Pore Lining. M=Ma	atrix
Hydric Soil I	indicators:						Indicators for Proble	ematic Hydric Soils ³ :
Histosol (A	A1)		Dark Surface ((S7)			2 cm Muck (A10)	
Histic Epip	pedon (A2)		Polyvalue Belo	w Surface (S8) (MLRA	147,148)		
☐ Black Hist			Thin Dark Surf				Coast Prairie Redo (MLRA 147,148)	ox (A16)
Hydrogen	Sulfide (A4)		Loamy Gleyed					sin Caile (F10)
Stratified	Layers (A5)		Depleted Matri				Piedmont Floodpla (MLRA 136, 147)	ain Soils (F19)
2 cm Mucl	k (A10) (LRR N)		Redox Dark Su				Very Shallow Dark	Surface (TF12)
	Below Dark Surface (A	11)	Depleted Dark	Surface (F7)			
	k Surface (A12)	,	Redox Depress		,		Other (Explain in	Remarks)
	ck Mineral (S1) (LRR N	ı	☐ Iron-Manganes	, ,	12) (LRR I	N.		
MLRA 147	7, 148)	,	MLRA 136)					
	eyed Matrix (S4)		Umbric Surfac				3 Indicators of I	nydrophytic vegetation and
Sandy Red	dox (S5)		Piedmont Floo				wetland hyd	rology must be present,
Stripped N	Matrix (S6)		Red Parent Ma	iterial (F21)	(MLRA 12	7, 147)	unless dis	turbed or problematic.
Restrictive La	ayer (if observed):							
Type:								
Depth (incl	hes):						Hydric Soil Present?	Yes O No 💿
Remarks:	, .							
Remarks.								

Project/Site: Carrollton-Sunnyside		City/County: Stark County	Sampling Date: 28-Apr-17
Applicant/Owner: AEP		State: OH	Sampling Point: UP-PJR-042817-01
Investigator(s): PJR, LCB		Section, Township, Range: S	T 17N R 7W
Landform (hillslope, terrace, etc.):	Terrace	ocal relief (concave, convex, r	none): concave Slope: 2.0% / 1.1 °
Subregion (LRR or MLRA):	Lat.:	40.690811 Lo i	ng.: -81.248532
Soil Map Unit Name: PIB		10.070011	NWI classification: N/A
Are climatic/hydrologic conditions on	the site typical for this time of year	nr? Yes • No O (If no	, explain in Remarks.)
Are Vegetation, Soil	, or Hydrology significantly	•	I Circumstances" present? Yes No
			Present
•	, or Hydrology	,	explain any answers in Remarks.) 1s, transects, important features, etc.
Hydrophytic Vegetation Present?	Yes O No O	7 31	
Hydric Soil Present?	Yes O No •	Is the Sampled Area	
-	Yes O No •	within a Wetland?	Yes ○ No •
Wetland Hydrology Present? Remarks:	103 © 110 ©		
Upland data point for W-pjr-042817	7-01		
Hydrology			
Wetland Hydrology Indicators:			Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one	e required; check all that apply)		Surface Soil Cracks (B6)
Surface Water (A1)	True Aquatic Plants	(B14)	Sparsely Vegetated Concave Surface (B8)
High Water Table (A2)	Hydrogen Sulfide O	. ,	Drainage Patterns (B10)
Saturation (A3)		es along Living Roots (C3)	Moss Trim Lines (B16)
Water Marks (B1)	Presence of Reduce	• •	Dry Season Water Table (C2)
Sediment Deposits (B2)		on in Tilled Soils (C6)	Crayfish Burrows (C8)
Drift deposits (B3)	☐ Thin Muck Surface (,	Saturation Visible on Aerial Imagery (C9)
Algal Mat or Crust (B4) Iron Deposits (B5)	Other (Explain in Re	emarks)	Stunted or Stressed Plants (D1)
Inundation Visible on Aerial Imagery	(R7)		Geomorphic Position (D2) Shallow Aquitard (D3)
Water-Stained Leaves (B9)	(67)		Microtopographic Relief (D4)
Aquatic Fauna (B13)			FAC-neutral Test (D5)
Field Observations:			
Surface Water Present? Yes	No Depth (inches):		
Water Table Present? Yes	No Depth (inches):		
Saturation Present? (includes capillary frings) Yes	_	Wetland Hyd	rology Present? Yes O No 💿
(includes capillary fringe) Describe Recorded Data (stream gau			ilabla
Describe Recorded Data (stream gat	uge, monitoring well, aerial photos	, previous inspections), ii avai	nable:
Remarks:			
Remarks.			

		Cominant		Sampling Point:	UF-F3K-0420	17-01
Tree Stratum (Plot size:)	Absolute % Cover	14011061461	Indicator Status	Dominance Test worksheet:		
1	0	0.0%		Number of Dominant Species That are OBL, FACW, or FAC:	0	(A)
2		0.0%		Total Number of Dominant		
3		0.0%		Species Across All Strata:	1	(B)
4						
5	0	0.0%		Percent of dominant Species That Are OBL, FACW, or FAC:	0.0%	(A/B)
6	0	0.0%		That are OBL, FACW, OF FAC.	0.070	(1.1.2)
7	0	0.0%		Prevalence Index worksheet:		
8	0	0.0%		Total % Cover of: Mu	ultiply by:	
Sapling-Sapling/Shrub Stratum (Plot size:	, =	= Total Cover		OBL speci es 0 x	1 = 0	
	_	0.0%		FACW species0 x 2	2 = 0	
1		0.0%		FAC species0 x :	3 = 0	
2		0.0%		FACU species 95 x	4 = 380	
3				UPL species 0 x !	5 = 0	
4		0.0%		Column Totals: 95 (A)		(B)
5		0.0%		Cordini rotars (A		(-)
5				Prevalence Index = B/A =	4.000	
7				Hydrophytic Vegetation Indicator	's:	
3				Rapid Test for Hydrophytic \	/egetation	
9		0.0%		☐ Dominance Test is > 50%		
)		0.0%		Prevalence Index is ≤3.0 ¹		
Shrub Stratum (Plot size:)	0=	= Total Cover		Morphological Adaptations ¹	(Provide suppo	orting
l	0	0.0%		data in Remarks or on a sep		
2.		0.0%		Problematic Hydrophytic Ve	getation 1 (Expl	ain)
3.	0	0.0%		¹ Indicators of hydric soil and w	etland hydrolog	y must
4		0.0%		be present, unless disturbed or p		
5		0.0%		Definition of Vegetation Stra	ata:	
5		0.0%		Four Vegetation Strata:		
		0.0%		Tree stratum – Consists of woody pl		rines, 3 in.
7		= Total Cover		(7.6 cm) or more in diameter at breat regardless of height.	st height (DBH),	
Herb Stratum (Plot size:)			FACIL	Sapling/shrub stratum – Consists of		
Schizachyrium scoparium		100.0%	FACU	vines, less than 3 in. DBH and greate	•	•
2.				Herb stratum – Consists of all herba regardless of size, and all other plan		
3	0	0.0%		Woody vines – Consists of all woody		
1				in height.	, tillee greater til	0.20
5		0.0%				
5		0.0%		Five Vegetation Strata:		
7.		0.0%		Tree - Woody plants, excluding woo		
3				ft (6 m) or more in height and 3 in. (7 diameter at breast height (DBH).	'.6 cm) or larger i	n
)		0.0%		Sapling stratum – Consists of wood	y plants, excludir	ng woody
)		0.0%		vines, approximately 20 ft (6 m) or m		
1		0.0%		than 3 in. (7.6 cm) DBH.	nlante avalualia-	wood.
2		0.0%		Shrub stratum – Consists of woody vines, approximately 3 to 20 ft (1 to 6		woody
Woody Vine Stratum (Plot size:)	95=	= Total Cover		Herb stratum – Consists of all herba	, .	dy) plants,
1	0	0.0%		including herbaceous vines, regardl		
2	0	0.0%		species, except woody vines, less the m) in height.	ıan approximatel	у 3 п (1
3	0	0.0%		Woody vines – Consists of all woody	y vines, regardles	ss of
4		0.0%		height.	, 3	
5		0.0%				
		0.0%		Hydrophytic		
6		= Total Cover		Vegetation Present? Yes \(\cap \) No \(\cap \)		
	()	a over		1		

Soil Sampling Point: UP-PJR-042817-01

Depth -	Matrix		Red	lox Features			
(inches)	Color (moist)	%	Color (moist)	<u> % T</u>	vpe 1 Loc2	Texture	Remarks
0-16	10YR 6/6	100				Sandy Loam	
	ь.						
						-	
vpe: C=Conce	entration, D=Depletio	n. RM=Redu	ced Matrix. CS=Covere	d or Coated Sa	and Grains ² Loca	ation: PL=Pore Lining. M=f	∕/atrix
ydric Soil In			ood man my oo oo toro	u o. ooutou o.	2000		
Histosol (A			Dark Surface (S	:7)		Indicators for Prob	lematic Hydric Soils ³ :
Histic Epipe			= '	,	(MLRA 147,148)	2 cm Muck (A10) (MLRA 147)
Black Histic			Thin Dark Surfa			Coast Prairie Re	
_	Sulfide (A4)		Loamy Gleyed N		117, 110)	(MLRA 147,148)	
Stratified L			Depleted Matrix			Piedmont Flood (MLRA 136, 147	olain Soils (F19)
\neg	(A10) (LRR N)		Redox Dark Sur				
_	Below Dark Surface (A	11)	Depleted Dark S	. ,		✓ Very Shallow Dark Surface (TF12)✓ Other (Explain in Remarks)	
	Surface (A12)	111)	Redox Depressi			Utner (Explain II	n Remarks)
_	k Mineral (S1) (LRR N	ı	☐ Iron-Manganes		(LRR N,		
MLRA 147,	. 148)	ν,	MLRA 136)				
Sandy Gley	yed Matrix (S4)		Umbric Surface	(F13) (MLRA	136, 122)	2	
	ov (S5)		Piedmont Flood	plain Soils (F1	9) (MLRA 148)	³ Indicators o	f hydrophytic vegetation and drology must be present,
Sandy Red	OX (33)				DA 407 447)	wettanang	idiology must be present,
Sandy Red			Red Parent Mat	erial (F21) (MI	-RA 127, 147)	unless o	listurbed or problematic.
Stripped M	atrix (S6)		Red Parent Mat	erial (F21) (MI	_RA 127, 147)	unless o	listurbed or problematic.
Stripped Ma	yer (if observed):			erial (F21) (MI	.RA 127, 147)	unless o	listurbed or problematic.
Stripped M. estrictive La Type:	yer (if observed):			erial (F21) (MI			
estrictive La Type: Depth (inche	yer (if observed):			erial (F21) (MI	.RA 127, 147)	unless of Hydric Soil Present?	Yes No •
estrictive La Type: Depth (inche	yer (if observed):			erial (F21) (MI	.RA 127, 147)		
estrictive La Type: Depth (inche	yer (if observed):			erial (F21) (MI	.RA 127, 147)		
estrictive La Type: Depth (inche	yer (if observed):			erial (F21) (MI	.RA 127, 147)		
estrictive La Type: Depth (inche	yer (if observed):			erial (F21) (MI	.RA 127, 147)		
estrictive La Type: Depth (inche	yer (if observed):			erial (F21) (MI	.RA 127, 147)		
estrictive La Type: Depth (inche	yer (if observed):			erial (F21) (MI	.RA 127, 147)		
Stripped M. estrictive La Type: Depth (inche	yer (if observed):			erial (F21) (MI	.RA 127, 147)		
estrictive La Type: Depth (inche	yer (if observed):			erial (F21) (MI	RA 127, 147)		
estrictive La Type: Depth (inche	yer (if observed):			erial (F21) (MI	.RA 127, 147)		
estrictive La Type: Depth (inche	yer (if observed):			erial (F21) (MI	RA 127, 147)		
Stripped M. estrictive La Type: Depth (inche	yer (if observed):			erial (F21) (MI	RA 127, 147)		
estrictive La Type: Depth (inche	yer (if observed):			erial (F21) (MI	RA 127, 147)		
estrictive La Type: Depth (inche	yer (if observed):			erial (F21) (MI	RA 127, 147)		
estrictive La Type: Depth (inche	yer (if observed):			erial (F21) (MI	RA 127, 147)		
Stripped M. estrictive La Type: Depth (inches	yer (if observed):			erial (F21) (MI	.RA 127, 147)		
Stripped M. estrictive La Type:	yer (if observed):			erial (F21) (MI	.RA 127, 147)		
Stripped M. estrictive La Type: Depth (inches	yer (if observed):			erial (F21) (MI	.RA 127, 147)		
Stripped M. estrictive La Type: Depth (inches	yer (if observed):			erial (F21) (MI	RA 127, 147)		
estrictive La Type: Depth (inche	yer (if observed):			erial (F21) (MI	RA 127, 147)		
estrictive La Type: Depth (inche	yer (if observed):			erial (F21) (MI	RA 127, 147)		

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Carrollton-Sunnyside	City/Co	ounty: Stark	Sampling Date: 01-May-17
Applicant/Owner: AEP		State: OH	Sampling Point: upl-jbl-050117-01
Investigator(s): JBL, JTT	Sec	tion, Township, Range:	s. 15 t. 17N R. 7W
Landform (hillslope, terrace, etc.): Hillside	Local r	elief (concave, convex, n	one): none Slope: 0.0 % / 0.0
Subregion (LRR or MLRA): LRR N	Lat.: 40.692	2695646 Long	
Soil Map Unit Name: Bogart silt loam, 6 to 12 p	ercent slopes		NWI classification: N/A
Are climatic/hydrologic conditions on the site ty	pical for this time of year?	Yes ● No ○	(If no, explain in Remarks.)
Are Vegetation , Soil , or Hydrole		rbed? Are "Normal	Circumstances" present? Yes No
Are Vegetation , Soil , or Hydrold			explain any answers in Remarks.)
		,	s, transects, important features, etc
Hydrophytic Vegetation Present? Yes	No •		s, cransces, important reacures, etc
, , ,	No •	Is the Sampled Area	
,	No •	within a Wetland?	Yes ○ No ●
Wetland Hydrology Present? Yes Remarks: (Explain alternative procedures here			
Hydrology Wetland Hydrology Indicators:			Secondary Indicators (minimum of 2 required)
Primary Indicators (minimum of one required;	check all that apply)		Surface Soil Cracks (B6)
Surface Water (A1)	Water-Stained Leaves (B9)		Drainage Patterns (B10)
High Water Table (A2)	Aquatic Fauna (B13)		Moss Trim Lines (B16)
Saturation (A3)	Marl Deposits (B15)		Dry Season Water Table (C2)
Water Marks (B1)	☐ Hydrogen Sulfide Odor (C1		Crayfish Burrows (C8)
Sediment Deposits (B2) Drift deposits (B3)	Oxidized Rhizospheres alor		Saturation Visible on Aerial Imagery (C9)
Algal Mat or Crust (B4)	Presence of Reduced Iron Recent Iron Reduction in T	•	Stunted or Stressed Plants (D1) Geomorphic Position (D2)
Iron Deposits (B5)	Thin Muck Surface (C7)	illed Solis (Co)	Shallow Aguitard (D3)
Inundation Visible on Aerial Imagery (B7)	Other (Explain in Remarks)		Microtopographic Relief (D4)
Sparsely Vegetated Concave Surface (B8)			FAC-neutral Test (D5)
Field Observations:			
Surface Water Present? Yes No	Depth (inches):		
Water Table Present? Yes No •	Depth (inches):		
Saturation Present? (includes capillary frings) Yes No No	Depth (inches):	Wetland Hydr	ology Present? Yes O No •
(includes capillary fringe) Describe Recorded Data (stream gauge, monitor	oring well, aerial photos, prev	ious inspections), if avail	able:
	3 / 1 /1	1 //	
Demonto			
Remarks:			

VEGETATION - Use scientific names of plants

VEGETATION - OSE SCIENTIFIC Harries of pie	11103			Sampling Point: upl-jbl-050117-01
Tree Stratum (Plot size:)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
				Number of Dominant Species
1. Acer saccharum		✓	FACU	That are OBL, FACW, or FAC:1 (A)
2. Prunus serotina			FACU	Total Number of Dominant
3				Species Across All Strata:6(B)
4				
5				Percent of dominant Species That Are OBL, FACW, or FAC:
6	0			That Are Obl., I ACW, Of I AC.
7	0			Prevalence Index worksheet:
Sapling/Shrub Stratum (Plot size:)	60 =	= Total Cove	r	Total % Cover of: Multiply by:
1 Rosa multiflora	15	✓	FACU	0BL speci es x 1 =0
2. Asimina triloba	10	✓	FAC	FACW species
3				FAC speci es x 3 = 30
			-	FACU species x 4 =
4				UPL species $\frac{30}{100} \times 5 = \frac{150}{100}$
5				Column Totals: 145 (A) 600 (B)
6				
7				Prevalence Index = B/A =4.138
Herb Stratum (Plot size:)	25 =	= Total Cove	r	Hydrophytic Vegetation Indicators:
				Rapid Test for Hydrophytic Vegetation
1Trillium grandiflorum		✓	UPL	Dominance Test is > 50%
2. Podophyllum peltatum	15	✓	FACU	Prevalence Index is ≤3.0 ¹
3Viola hastata			UPL	Morphological Adaptations ¹ (Provide supporting
4. Solidago canadensis	15	✓	FACU	data in Remarks or on a separate sheet)
5	0			Problematic Hydrophytic Vegetation ¹ (Explain)
6	0			
7				¹ Indicators of hydric soil and wetland hydrology must
8				be present, unless disturbed or problematic.
9				Definitions of Vegetation Strata:
0				Tree Weeds plants 2 in (7.6 cm) or more in diameter
1				Tree - Woody plants, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
2				
۷		 = Total Cove		Sapling/shrub - Woody plants less than 3 in. DBH and
Woody Vine Stratum (Plot size:)		- Total Cove		greater than 3.28 ft (1m) tall
1	0			Herb - All herbaceous (non-woody) plants, regardless of
2	0			size, and woody plants less than 3.28 ft tall.
3				Manda de la Allega de la Caracter de
J	0			Woody vine - All woody vines greater than 3.28 ft in height.
4		= Total Cove		Thoight.
	=	= Total Cove	Γ	
				Hydrophytic
				Vegetation
				Present? Yes No
Remarks: (Include photo numbers here or on a separate sh	eet.)			

^{*}Indicator suffix = National status or professional decision assigned because Regional status not defined by FWS.

Soil Sampling Point: upl-jbl-050117-01

Profile Descri	ption: (Descril	be to the depth	needed to document	the indica	tor or co	nfirm the a	absence of indicators.)	
Depth Matrix			lox Featui					
(inches)	Color (moi	st) %	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-11	10YR	4/3 100					Sandy Loam	
-	-			-				
				p-			-	-
				-				-
							-	
1 Type: C=Conc	entration. D=De	epletion. RM=Red	duced Matrix, CS=Covere	d or Coated	d Sand Gra	ins ² Loca	tion: PL=Pore Lining. M=N	Matrix
Hydric Soil Ir			,					
Histosol (A			Polyvalue Below	/ Surface (88) (LRR R			ematic Hydric Soils: 3
Histic Epipe	•		MLRA 149B)		, (2,			(LRR K, L, MLRA 149B)
Black Histic			☐ Thin Dark Surfa	ce (S9) (L	RR R, MLR	A 149B)		ox (A16) (LRR K, L, R)
	Sulfide (A4)		Loamy Mucky M	Mineral (F1)	LRR K, L)			or Peat (S3) (LRR K, L, R)
Stratified L			Loamy Gleyed N	Matrix (F2)			Dark Surface (S7)	
	Below Dark Surfa	ace (A11)	Depleted Matrix	(F3)				Surface (S8) (LRR K, L)
	Surface (A12)		Redox Dark Sur	face (F6)			Thin Dark Surface	
	ck Mineral (S1)		Depleted Dark S	Surface (F7)			Masses (F12) (LRR K, L, R)
	yed Matrix (S4)		Redox Depressi	ons (F8)				ain Soils (F19) (MLRA 149B)
Sandy Red							Red Parent Mater	6) (MLRA 144A, 145, 149B)
Stripped M							Very Shallow Dark	
	ice (S7) (LRR R,	MLRA 149B)					Other (Explain in	
			and hydrology must be p	rocont unl	oo diaturb	d or proble		remarks)
			and nydrology must be p	resent, uni	ess disturb	ed of proble	emauc.	
Restrictive La	yer (if observe	ed):						
Type:							Hydric Soil Present?	Yes ○ No ●
Depth (inch	nes):						nyuric son Present?	Yes ○ No ●
Remarks:								
1								
1								
ı								
ı								
İ								

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Carrollton-Sunnyside		City/County:	Stark	Samplir	ng Date: 02-May-17
Applicant/Owner: AEP			State: OH	Sampling Point:	upl-jbl-050217-04
Investigator(s): JBL, JTT		Section, To	wnship, Range:	s. 10 t. 17N	R. 7W
Landform (hillslope, terrace, etc.): Mound		Local relief (co	ncave, convex, n	one):	Slope: 0.0 % / 0.0 °
Subregion (LRR or MLRA):	Lat.:	40.694141	Long	-81.252605	Datum: NAD 83
Soil Map Unit Name: Shoals silt loam				NWI classification:	N/A
Are climatic/hydrologic conditions on the si	te typical for this time of v	ρας? Yes	s ● No ○	(If no, explain in Remarks)	e)
		tly disturbed?		Circumstances" present?	Yes No
		•		-	
		problematic?	-	explain any answers in Rei	-
Summary of Findings - Attach		sampling po	oint location	s, transects, impo	rtant reatures, etc
Hydrophytic Vegetation Present? Yes		To the	Sampled Area		
Hydric Soil Present? Yes			a Wetland?	Yes O No •	
Wetland Hydrology Present? Yes	○ No ●				
Hydrology					
Wetland Hydrology Indicators:				Secondary Indicators (minim	num of 2 required)
Primary Indicators (minimum of one requi	red; check all that apply)			Surface Soil Cracks (B6)	
Surface Water (A1)	Water-Stained Lea	aves (B9)		Drainage Patterns (B10))
High Water Table (A2)	Aquatic Fauna (B1			Moss Trim Lines (B16)	
Saturation (A3) Water Marks (B1)	Marl Deposits (B1			Dry Season Water Table	e (C2)
Sediment Deposits (B2)	Hydrogen Sulfide	neres along Living	Poots (C3)	Crayfish Burrows (C8) Saturation Visible on Ae	rial Imagery (C9)
Drift deposits (B3)	Presence of Redu		KOOIS (G3)	Stunted or Stressed Plan	
Algal Mat or Crust (B4)		ction in Tilled Soils	s (C6)	Geomorphic Position (D	
Iron Deposits (B5)	Thin Muck Surface	e (C7)		Shallow Aquitard (D3)	
Inundation Visible on Aerial Imagery (B7)	Other (Explain in	Remarks)		Microtopographic Relief	(D4)
Sparsely Vegetated Concave Surface (B8)				FAC-neutral Test (D5)	
Field Observations:					
Surface Water Present? Yes O No	Depth (inches):				
Water Table Present? Yes O No	Depth (inches):			(·
Saturation Present? (includes capillary fringe) Yes No	Depth (inches):		Wetland Hydr	ology Present? Yes	○ No •
Describe Recorded Data (stream gauge, m	onitoring well, aerial photo	os, previous insp	pections), if avail	able:	
Remarks:					

VEGETATION - Use scientific names of plants

vegeration - use scientific names of pla	IILS			Sampling Point: upl-jbl-050217-04
/Plot size	Absolute	Dominant Species?	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size:)	% Cover		Status	Number of Dominant Species
1 Fagus grandifolia	-	✓	FACU	That are OBL, FACW, or FAC: O (A)
2				Total Number of Dominant
3				Species Across All Strata:6(B)
4				Percent of dominant Species
5				That Are OBL, FACW, or FAC: 0.0% (A/B)
6				
7				Prevalence Index worksheet:
Sapling/Shrub Stratum (Plot size:)	5 =	= Total Cove	r	Total % Cover of: Multiply by: OBL species 0 x 1 = 0
1 Sassafras albidum	25	✓	FACU	
2. Rubus allegheniensis	10	✓	FACU	FACW species
3. Prunus serotina	4.0	✓	FACU	FAC speciles $0 \times 3 = 0$
4	0			FACU species x 4 =
5				UPL speci es $0 \times 5 = 0$
6				Column Totals: 130 (A) 490 (B)
7.				Prevalence Index = B/A = 3.769
(8)	45	= Total Cove	r	Hydrophytic Vegetation Indicators:
Herb Stratum (Plot size:)	-			Rapid Test for Hydrophytic Vegetation
1 Bromus arvensis	20	✓	FACU	Dominance Test is > 50%
2. Dichanthelium clandestinum	15		FACW	Prevalence Index is ≤3.0 ¹
3. Poa pratensis	35	✓	FACU	Morphological Adaptations ¹ (Provide supporting
4. Allium canadense	10		FACU	data in Remarks or on a separate sheet)
5	0			Problematic Hydrophytic Vegetation ¹ (Explain)
6	0			
7	0			Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
8	0			
9				Definitions of Vegetation Strata:
10				Tree - Woody plants, 3 in. (7.6 cm) or more in diameter
11				at breast height (DBH), regardless of height.
12				Sapling/shrub - Woody plants less than 3 in. DBH and
	80 =	= Total Cove	r	greater than 3.28 ft (1m) tall
	0			Herb - All herbaceous (non-woody) plants, regardless of
1	0			size, and woody plants less than 3.28 ft tall.
2	0			l
4	0			Woody vine - All woody vines greater than 3.28 ft in height.
4		= Total Cove		Tiolynt.
		- Total Cove	•	
				Hydrophytic
				Vegetation Present? Yes ○ No ●
				Present? 103 0 NO 0
				<u> </u>
Remarks: (Include photo numbers here or on a separate she	eet.)			

^{*}Indicator suffix = National status or professional decision assigned because Regional status not defined by FWS.

Soil Sampling Point: upl-jbl-050217-04

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)										
Depth	THE TAXABLE TO THE TA						_			
(inches)	Color (ı		%	Color (moist)		Type ¹	Loc ²	Texture	disturbed soils	rks
0-4	7.5YR	4/4	100					Sandy Loam	aisturbea soiis	
4-8	10YR	3/3	100					Sandy Loam		
			-							
			-							
		-	-							
¹ Type: C=Cond	centration. D	=Depletio	n. RM=Re	duced Matrix, CS=Cov	ered or Coat	ed Sand Gra	ains ² Loca	tion: PL=Pore Lining. M=	Matrix	
Hydric Soil I	ndicators:							Indicators for Pro	olematic Hydric S	Soils: 3
Histosol (A	A1)			Polyvalue Be		(S8) (LRR F	2,) (LRR K, L, MLRA	
Histic Epip	pedon (A2)			MLRA 149B)					dox (A16) (LRR K,	
☐ Black Histi	ic (A3)			☐ Thin Dark Su					it or Peat (S3) (LRF	
Hydrogen	Sulfide (A4)			Loamy Muck					7) (LRR K, L, M)	(K, L, K)
Stratified I	Layers (A5)			Loamy Gleye		2)			Surface (S8) (LRR	K. I.)
Depleted I	Below Dark S	urface (A	11)	Depleted Ma					ce (S9) (LRR K, L)	Ν, Ε)
Thick Dark	k Surface (A1	2)		Redox Dark	, ,				Masses (F12) (LRI	R K. L. R)
Sandy Mu	ck Mineral (S	1)		Depleted Da		7)			olain Soils (F19) (M	
Sandy Gle	yed Matrix (S	64)		Redox Depre	essions (F8)				A6) (MLRA 144A, 1	
Sandy Red	dox (S5)							Red Parent Mate		, ,
Stripped N	Matrix (S6)								rk Surface (TF12)	
☐ Dark Surfa	ace (S7) (LRF	R R, MLRA	149B)					Other (Explain in		
³ Indicators of	hvdrophvtic	vegetatio	n and wetl	and hydrology must b	e present, ur	nless disturb	ed or proble		•	
Restrictive La				, 3,						
Type:	ayei (ii obse	erveu).								
Depth (inch	hoc).							Hydric Soil Present?	Yes O	No 💿
•	les):									
Remarks:										

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Carrollton-Sunnyside	Ci	ty/County:	Stark		Samplir	ng Date: 02-May-17
Applicant/Owner: AEP			State: OH		Sampling Point:	upl-jbl-050217-03
Investigator(s): JBL, JTT		Section, To	wnship, Range:	s. 10	T. 17N	R. 7W
Landform (hillslope, terrace, etc.): Hillside	Lo	ocal relief (co	ncave, convex, n	one):		Slope: 0.0 % / 0.0 °
Subregion (LRR or MLRA): LRR N	Lat.: 4(0.695214	Long	- .8181.	.253859	Datum: NAD 83
Soil Map Unit Name: Chili silt loam, 2 to 6 perc		0.0702			VI classification:	
Are climatic/hydrologic conditions on the site to		ra Yes	● No ○		explain in Remark	
Are Vegetation , Soil , or Hydro				,	•	Yes No
	· ,				stances" present?	
Are Vegetation, Soil, or Hydro				-	nny answers in Re	-
Summary of Findings - Attach site		mpling po	int location	s, trai	nsects, impo	rtant features, etc
Hydrophytic Vegetation Present? Yes	No 💿	To the	Commissi Ames			
Hydric Soil Present? Yes	No 💿		Sampled Area a Wetland?	Yes	○ No •	
Wetland Hydrology Present? Yes	No •					
Hydrology						
Wetland Hydrology Indicators:				Seconda	ary Indicators (minim	num of 2 required)
Primary Indicators (minimum of one required	check all that apply)			Sur	face Soil Cracks (B6))
Surface Water (A1)	Water-Stained Leaves	s (B9)			inage Patterns (B10))
High Water Table (A2) Saturation (A3)	Aquatic Fauna (B13)				ss Trim Lines (B16)	(20)
Water Marks (B1)	✓ Marl Deposits (B15)✓ Hydrogen Sulfide Odd	or (C1)			Season Water Table yfish Burrows (C8)	e (C2)
Sediment Deposits (B2)	Oxidized Rhizosphere		Roots (C3)		uration Visible on Ae	rial Imagery (C9)
Drift deposits (B3)	Presence of Reduced		.0010 (00)		nted or Stressed Plan	
Algal Mat or Crust (B4)	Recent Iron Reduction	n in Tilled Soils	(C6)	Geo	omorphic Position (D	2)
Iron Deposits (B5)	Thin Muck Surface (C	7)			Illow Aquitard (D3)	
Inundation Visible on Aerial Imagery (B7)	Other (Explain in Rem	narks)			rotopographic Relief	(D4)
Sparsely Vegetated Concave Surface (B8)				☐ FAC	C-neutral Test (D5)	
Field Observations:						
Surface Water Present? Yes No •	Depth (inches):					
Water Table Present? Yes No •	Depth (inches):				resent? Yes	○ No •
Saturation Present? (includes capillary fringe) Yes No No	Depth (inches):		Wetland Hydr	ology Pr	resent? Yes	O NO O
Describe Recorded Data (stream gauge, monit	oring well, aerial photos,	previous insp	ections), if avail	able:		
Remarks:						

VEGETATION - Use scientific names of plants

VEGETATION - Ose scientific fiames of μ	idito			Sampling Point: upl-jbl-050217-03
Tree Stratum (Plot size:)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
		Бреслев.	Status	Number of Dominant Species
1				That are OBL, FACW, or FAC: (A)
2				Total Number of Dominant
3				Species Across All Strata: 3 (B)
4	0			
5	0			Percent of dominant Species That Are OBL, FACW, or FAC: 0.0% (A/B)
6	0			That Are OBL, FACW, OF FAC:
7				Prevalence Index worksheet:
Sapling/Shrub Stratum (Plot size:)	0 =	Total Cove		Total % Cover of: Multiply by:
1	0			0BL speci es x 1 =
				FACW species
2				FAC speciles x 3 = 0
3				FACU species60 x 4 =240
4				UPL speci es $\frac{20}{100}$ x 5 = $\frac{100}{100}$
5				Col umn Total s: 95 (A) 370 (B)
6				Column locals. 93 (A) 370
7	0			Prevalence Index = B/A = 3.895
Herb Stratum (Plot size:)		Total Cove		Hydrophytic Vegetation Indicators:
Herb Stratum (1 lot size.				Rapid Test for Hydrophytic Vegetation
1Andropogon virginicus	40	✓	FACU	Dominance Test is > 50%
2. Daucus carota		✓	UPL	Prevalence Index is ≤3.0 ¹
3. Bromus arvensis	20	✓	FACU	Morphological Adaptations ¹ (Provide supporting
4. Phalaris arundinacea	15		FACW	data in Remarks or on a separate sheet)
5				Problematic Hydrophytic Vegetation ¹ (Explain)
6	0			
7				¹ Indicators of hydric soil and wetland hydrology must
8				be present, unless disturbed or problematic.
9				Definitions of Vegetation Strata:
0		$\overline{\Box}$		Tree Message Size (7.0 cm) or recording dispression
1				Tree - Woody plants, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
2				at broadt Holght (BBH), rogardioce of Holght.
۷٠,		L Cauca		Sapling/shrub - Woody plants less than 3 in. DBH and
Woody Vine Stratum (Plot size:)	95 =	: Total Cove		greater than 3.28 ft (1m) tall
1	0			Herb - All herbaceous (non-woody) plants, regardless of
2	0	$\overline{\Box}$		size, and woody plants less than 3.28 ft tall.
3		$\overline{\Box}$		Manda de la Allega de la lactica de la Constitución
J		$\overline{\Box}$		Woody vine - All woody vines greater than 3.28 ft in height.
4		: Total Cove		Tieight.
		i i otal Covel	-	
				Hydrophytic
				Vegetation
				Present? Yes No •
Remarks: (Include photo numbers here or on a separate	sheet.)			

^{*}Indicator suffix = National status or professional decision assigned because Regional status not defined by FWS.

Soil Sampling Point: upl-jbl-050217-03

Denth			the depth		the indicator or confire	m the abs	sence of indicators.)			
		Matrix Redox Features or (moist) % Color (moist) % Type 1 Loc2				002	Texture Remarks			
0-2	10YR	3/3	100	Color (Illoist)	70 Type L		Silt Loam	Remarks		
2-8	7.5YR	4/4	100	-			Sandy Clay			
				-						
				-						
				-						
				-						
Type: C=Conc	entration. D=I	Depletio	n. RM=Red	uced Matrix, CS=Covere	d or Coated Sand Grains	² Location	n: PL=Pore Lining. M=Ma	atrix		
lydric Soil I				<u> </u>						
Histosol (A				Polyvalue Belov	Surface (S8) (LRR R,			ematic Hydric Soils: 3		
Histic Epip	•			MLRA 149B)	Ç , Ç			LRR K, L, MLRA 149B)		
Black Histi				Thin Dark Surfa	ce (S9) (LRR R, MLRA 14	19B)		x (A16) (LRR K, L, R)		
\neg	Sulfide (A4)				lineral (F1) LRR K, L)		Dark Surface (S7)	r Peat (S3) (LRR K, L, R)		
Stratified L	Layers (A5)			Loamy Gleyed I				urface (S8) (LRR K, L)		
Depleted F	Below Dark Su	rface (A	11)	Depleted Matrix			Thin Dark Surface			
Thick Dark	Surface (A12)	.)		Redox Dark Sur				asses (F12) (LRR K, L, R)		
Sandy Muc	ck Mineral (S1))		Depleted Dark				in Soils (F19) (MLRA 149B)		
Sandy Gle	yed Matrix (S4	1)		Redox Depressi	ons (F8)			(MLRA 144A, 145, 149B)		
Sandy Red							Red Parent Material (F21) Very Shallow Dark Surface (TF12)			
Stripped M										
Dark Surfa	ace (S7) (LRR I	R, MLRA	149B)				Other (Explain in R	emarks)		
³ Indicators of	hydrophytic ve	egetatio	n and wetla	and hydrology must be p	resent, unless disturbed o	r problema	atic.			
estrictive La	yer (if obser	rved):								
Type:	· `									
Depth (inch	nes):					1	Hydric Soil Present?	Yes O No 💿		
Remarks:				<u> </u>						
.cmarks.										

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Carrollton-Sunnyside	City/	County: Stark	Samplin	g Date: 02-May-17
Applicant/Owner: AEP		State: OH	Sampling Point:	upl-jbl-050217-01,02
Investigator(s): JBL, JTT	Si	ection, Township, Range:	s. 10 T. 17N	R. 7W
Landform (hillslope, terrace, etc.): Mound	Local	relief (concave, convex, n	one): convex	Slope: 0.0 % / 0.0 °
Subregion (LRR or MLRA): LRR N	Lat.: 40.69	978956 Long	-81.256309	Datum: NAD 83
Soil Map Unit Name: Sebring silt loam, 0 to 2 p	percent slopes		NWI classification:	N/A
Are climatic/hydrologic conditions on the site ty	pical for this time of year?	Yes No	(If no, explain in Remarks	•
Are Vegetation $\ \square$, Soil $\ \square$, or Hydrol	logy significantly dist	curbed? Are "Normal	Circumstances" present?	Yes No
Are Vegetation , Soil , or Hydrol	logy 🔲 naturally problem	matic? (If needed, e	explain any answers in Ren	narks.)
Summary of Findings - Attach site	map showing samp	oling point location	s, transects, impor	tant features, etc
Hydrophytic Vegetation Present? Yes	No •			
Hydric Soil Present? Yes	No •	Is the Sampled Area within a Wetland?	Yes O No •	
Wetland Hydrology Present? Yes	No •			
Hydrology				
Wetland Hydrology Indicators:				
Primary Indicators (minimum of one required;	check all that apply)		Secondary Indicators (minim Surface Soil Cracks (B6)	um of 2 required)
Surface Water (A1)	Water-Stained Leaves (B9	9)	Drainage Patterns (B10)	
High Water Table (A2)	Aquatic Fauna (B13)	•	Moss Trim Lines (B16)	
Saturation (A3)	Marl Deposits (B15)		Dry Season Water Table	(C2)
Water Marks (B1)	Hydrogen Sulfide Odor (C	•	Crayfish Burrows (C8)	
Sediment Deposits (B2) Drift deposits (B3)	Oxidized Rhizospheres ald		Saturation Visible on Aer	
Algal Mat or Crust (B4)	Presence of Reduced Iron Recent Iron Reduction in	` '	Stunted or Stressed Plan Geomorphic Position (D2	` '
Iron Deposits (B5)	Thin Muck Surface (C7)	Tilled Soils (Co)	Shallow Aquitard (D3)	2)
Inundation Visible on Aerial Imagery (B7)	Other (Explain in Remark	·c)	Microtopographic Relief	(D4)
Sparsely Vegetated Concave Surface (B8)		3)	FAC-neutral Test (D5)	
Field Observations:				
Surface Water Present? Yes No No	Depth (inches):			
Water Table Present? Yes No •	Depth (inches):		- V (
Saturation Present? (includes capillary fringe) Yes No •	Depth (inches):	Wetland Hydr	ology Present? Yes) No ●
Describe Recorded Data (stream gauge, monit	oring well, aerial photos, pre	vious inspections), if avail	able:	
Remarks:				

VEGETATION - Use scientific names of plants

VEGETATION - Ose scientific fiames of pla	1163			Sampling Point: upl-jbl-050217-01,02
	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
			Status	Number of Dominant Species
1				That are OBL, FACW, or FAC:1 (A)
2				Total Number of Dominant
3				Species Across All Strata:3(B)
4				
5	0			Percent of dominant Species That Are OBL, FACW, or FAC: 33.3% (A/B)
6	0			That Are OBE, I AGW, OF FAC.
7	0			Prevalence Index worksheet:
Sapling/Shrub Stratum (Plot size:)		= Total Cove		Total % Cover of: Multiply by:
1 Rosa multiflora	60	✓	FACU	0BL speci es x 1 =0
2				FACW species 0 x 2 = 0
				FAC speciles <u>25</u> x 3 = <u>75</u>
3				FACU species 125 x 4 = 500
4				UPL species $0 \times 5 = 0$
5				Col umn Total s: 150 (A) 575 (B)
6				
7	0			Prevalence Index = $B/A = 3.833$
Herb Stratum (Plot size:)	60 =	Total Cove	•	Hydrophytic Vegetation Indicators:
				Rapid Test for Hydrophytic Vegetation
1. Solidago altissima		✓	FACU	Dominance Test is > 50%
2. Equisetum arvense		✓	FAC	Prevalence Index is ≤3.0 ¹
3	0			Morphological Adaptations ¹ (Provide supporting
4	0			data in Remarks or on a separate sheet)
5	0			Problematic Hydrophytic Vegetation ¹ (Explain)
6	0			
7				¹ Indicators of hydric soil and wetland hydrology must
8				be present, unless disturbed or problematic.
9.				Definitions of Vegetation Strata:
10		$\overline{\Box}$		Tree Meady plants 2 in (7.6 cm) or mare in diameter
11				Tree - Woody plants, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
12				
12		 = Total Cove		Sapling/shrub - Woody plants less than 3 in. DBH and
Woody Vine Stratum (Plot size:)		- Total Covel		greater than 3.28 ft (1m) tall
1	0			Herb - All herbaceous (non-woody) plants, regardless of
2	0			size, and woody plants less than 3.28 ft tall.
3	0			Mankarian Allacentarian areaton than 2.20 ft in
4	0			Woody vine - All woody vines greater than 3.28 ft in height.
7	0 =	= Total Cove		
		- Total Covel		
				Hydrophytic
				Vegetation
				Present? Yes No •
Remarks: (Include photo numbers here or on a separate she	eet.)			

^{*}Indicator suffix = National status or professional decision assigned because Regional status not defined by FWS.

Soil Sampling Point: upl-jbl-050217-01,02

Profile Descri	iption: (De	scribe to	the depth	needed to	document	the indic	ator or co	onfirm the a	absence of indicators.)	
Depth (in chas)	1100000			_		_					
(inches)			%	Color	(moist)	%	Type ¹	Loc²	Texture	Re	marks
0-6	10YR	3/3	100						Clay Loam		
6-12	10YR	4/1	95	10YR	4/6	5			Sandy Clay Loam	fill dirt	
									-		
	-					-		-	-		
			-								
						-					
									-		
			-								
										_	
J.		D=Depletio	n. RM=Red	duced Matrix,	CS=Cover	ed or Coate	ed Sand Gr	ains ² Loca	tion: PL=Pore Lining. M=		
Hydric Soil I									Indicators for Pro	blematic Hydı	ric Soils: 3
Histosol (A	,				yvalue Belo RA 149B)	w Surface	(S8) (LRR F	₹,	2 cm Muck (A1	O) (LRR K, L, ML	_RA 149B)
Histic Epip					n Dark Surf	ace (S9) (I	LRR R. MLF	RA 149B)	Coast Prairie Re	edox (A16) (LRR	R K, L, R)
Black Histi					my Mucky				5 cm Mucky Pe	at or Peat (S3) ((LRR K, L, R)
	Sulfide (A4) Layers (A5)	1			ımy Gleyed					57) (LRR K, L, M	
	Below Dark	Surface (A	11)		oleted Matri				Polyvalue Belov		
	k Surface (A		11)		dox Dark Su				Thin Dark Surfa		
	ck Mineral (☐ Dep	oleted Dark	Surface (F	7)			e Masses (F12)	
	yed Matrix (Rec	dox Depress	sions (F8)			Piedmont Flood		
Sandy Rec		,							Mesic Spodic (T		A, 145, 149B)
Stripped M									Red Parent Mat		12)
	ace (S7) (LR	R R, MLRA	149B)								12)
³ Indicators of				and budralag	w must be r	rocont un	loce dieturk	and or proble		II Kelliaiks)	
			ii and weti	and flydrolog	y must be p	oresent, un	iless distuit	bed of proble	inatic.		
Restrictive La	ayer (IT obs	servea):									
Type:	haa).								Hydric Soil Present	? Yes ○	No 💿
Depth (inch	les)								-		
Remarks:											
disturbed soil											

Project/Site: Carrollton Sunnyside		City/County: Stark	Sampling Date: 03-May-17
Applicant/Owner: AEP		State: OH	Sampling Point: upl-jbl-050317-01
Investigator(s): Jbl, Jtt		Section, Township, Range: S	4 T 17N R 7W
Landform (hillslope, terrace, etc.):	Hillside	Local relief (concave, convex, no	ne): convex Slope: 0.0% / 0.0 °
Subregion (LRR or MLRA): LRR	N Lat.:	40.705117 Long	- NAD 02
Soil Map Unit Name: Glenford silt	loam, 6 to 12 percent slopes		NWI classification: N/A
Are climatic/hydrologic conditions of	on the site typical for this time of v	ear? Yes No (If no, e	explain in Remarks.)
Are Vegetation, Soil			Circumstances" present? Yes No
Are Vegetation . , Soil .			splain any answers in Remarks.)
Summary of Findings - A	ttach site map showing s	sampling point locations	, transects, important features, etc.
Hydrophytic Vegetation Present?	Yes ○ No •		
Hydric Soil Present?	Yes O No 💿	Is the Sampled Area	∕es ○ No ●
Wetland Hydrology Present?	Yes O No 💿	within a Wetland?	es U NO U
ypland forbwetland 1			
Hydrology			
Wetland Hydrology Indicators:			Secondary Indicators (minimum of two required)
Primary Indicators (minimum of c	one required; check all that apply)		Surface Soil Cracks (B6)
Surface Water (A1)	True Aquatic Plant	ts (B14)	Sparsely Vegetated Concave Surface (B8)
High Water Table (A2)	Hydrogen Sulfide		Drainage Patterns (B10)
Saturation (A3)		neres along Living Roots (C3)	Moss Trim Lines (B16)
Water Marks (B1)	Presence of Reduc		Dry Season Water Table (C2)
Sediment Deposits (B2)		ction in Tilled Soils (C6)	Crayfish Burrows (C8)
Drift deposits (B3) Algal Mat or Crust (B4)	☐ Thin Muck Surface		Saturation Visible on Aerial Imagery (C9)
Iron Deposits (B5)	Other (Explain in I	Remarks)	Stunted or Stressed Plants (D1) Geomorphic Position (D2)
Inundation Visible on Aerial Image	erv (R7)		Shallow Aquitard (D3)
Water-Stained Leaves (B9)	A J (21)		Microtopographic Relief (D4)
Aquatic Fauna (B13)			FAC-neutral Test (D5)
Field Observations:			
Surface Water Present? Yes	No Depth (inches):		
Water Table Present? Yes	O No Depth (inches):		
Saturation Present? (includes capillary frings) Yes		Wetland Hydro	logy Present? Yes O No 🖲
(includes capillally fringe)	gauge, monitoring well, aerial photo	os previous inspections) if availat	hle:
Dosoribo Rosordou Bata (stroum g	jaage, memoring wen, denar pries	os, providus inspections), ii availai	
Remarks:			

		Dominant		Sampling Point: upl-jbl-050317-01
Tree Stratum (Plot size:)	Absolute % Cover	-Species? - Rel.Strat. Cover	Indicator Status	
1	0	0.0%		Number of Dominant Species That are OBL, FACW, or FAC: 0 (A)
	0	0.0%		
	0	0.0%		Total Number of Dominant Species Across All Strata: 4 (B)
		0.0%		
	0	0.0%		Percent of dominant Species That Are OBL_FACW_or_FAC: 0.0% (A/B)
	_	0.0%		That Are OBL, FACW, or FAC: 0.0% (A/B)
	0	0.0%		Prevalence Index worksheet:
	0	0.0%		Total % Cover of: Multiply by:
(Diot size:	,0 =	Total Cove	•	0BL speci es x 1 =0
apling-Sapling/Shrub Stratum (Plot size:	_	0.0%		FACW species 0 x 2 = 0
				FAC speci es
		0.0%		FACU speci es 125 x 4 = 500
	_	0.0%		UPL species $0 \times 5 = 0$
				Col umn Total s: 125 (A) 500 (B)
-		0.0%		
,		0.0%		Prevalence Index = B/A = 4.000
		0.0%		Hydrophytic Vegetation Indicators:
		0.0%		Rapid Test for Hydrophytic Vegetation
		0.0%		☐ Dominance Test is > 50%
		0.0%		Prevalence Index is ≤3.0 ¹
hrub Stratum (Plot size:)		= Total Cove		Morphological Adaptations ¹ (Provide supporting
Rubus allegheniensis		100.0%	FACU	data in Remarks or on a separate sheet)
		0.0%		Problematic Hydrophytic Vegetation ¹ (Explain)
		0.0%		¹ Indicators of hydric soil and wetland hydrology must
	0	0.0%		be present, unless disturbed or problematic.
	0	0.0%		Definition of Vegetation Strata:
		0.0%		Four Vegetation Strata:
		0.0%		Tree stratum – Consists of woody plants, excluding vines, 3 in (7.6 cm) or more in diameter at breast height (DBH),
erb Stratum (Plot size:)		Total Cove		regardless of height.
Andropogon virginicus	30	✓ 31.6%	FACU	Sapling/shrub stratum – Consists of woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.
Bromus arvensis	30	31.6%	FACU	Herb stratum – Consists of all herbaceous (non-woody) plants
Poa pratensis		21.1%	FACU	regardless of size, and all other plants less than 3.28 ft tall.
Festuca arundinacea	15	15.8%	FACU	Woody vines – Consists of all woody vines greater than 3.28 f
	0	0.0%		in height.
	0	0.0%		Five Vegetation Strata:
	0	0.0%		I -
	_	0.0%		Tree - Woody plants, excluding woody vines, approximately 2 ft (6 m) or more in height and 3 in. (7.6 cm) or larger in
	0	0.0%		diameter at breast height (DBH).
	0	0.0%		Sapling stratum – Consists of woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and less
		0.0%		than 3 in. (7.6 cm) DBH.
	0	0.0%		Shrub stratum – Consists of woody plants, excluding woody
		Total Cove		vines, approximately 3 to 20 ft (1 to 6 m) in height.
Oody Vine Stratum (Plot size:)	0	0.0%		Herb stratum – Consists of all herbaceous (non-woody) plants including herbaceous vines, regardless of size, and woody
				species, except woody vines, less than approximately 3 ft (1
-		0.0%		m) in height.
		0.0%		Woody vines – Consists of all woody vines, regardless of height.
	0	0.0%		
		0.0%		Hydrophytic
		0.0%		Vegetation Present? Yes No No
	0 :	= Total Cove		i resent:

Soil Sampling Point: upl-jbl-050317-01

Depth	Matrix		Red	ox Featur				
(inches)	Color (moist)	%	Color (moist)	%	Tvpe 1	Loc ²	Texture	Remarks
0-2	10YR 3/2	100					Loam	
2-11	10YR 4/3	100					Sandy Loam	
							-	
		on. RM=Redu	iced Matrix, CS=Covered	d or Coated	Sand Gra	ins ² Loca	tion: PL=Pore Lining. M=Ma	atrix
lydric Soil 1							Indicators for Proble	matic Hydric Soils ³ :
Histosol (Dark Surface (S	,	-> 4		2 cm Muck (A10)	(MLRA 147)
_	pedon (A2)		Polyvalue Below				Coast Prairie Redo	
Black Hist			☐ Thin Dark Surfa		.RA 147, 1	48)	(MLRA 147,148)	· · · · ·
_	Sulfide (A4) Layers (A5)		Loamy Gleyed N				Piedmont Floodpla	ain Soils (F19)
_	k (A10) (LRR N)		☐ Depleted Matrix☐ Redox Dark Sur				(MLRA 136, 147)	
_		\11\	Depleted Dark S					
	Below Dark Surface (A k Surface (A12)	A11)	Redox Depression				Other (Explain in	Remarks)
_	ick Mineral (S1) (LRR I	N	☐ Iron-Manganese		12) (LRR I	٧.		
MLRA 147	7, 148)	N,	MLRA 136)	, masses (i	, (-1		
Sandy Gle	eyed Matrix (S4)		Umbric Surface	(F13) (MLR	A 136, 12	2)	2	
Sandy Re	dox (S5)		☐ Piedmont Flood	plain Soils ((F19) (MLF	RA 148)	³ Indicators of I	nydrophytic vegetation and rology must be present,
Stripped I	Matrix (S6)		Red Parent Mat	erial (F21)	(MLRA 127	, 147)		turbed or problematic.
) octrictivo I	ayer (if observed):							
Type:	ayei (ii observeu).							
• • • • • • • • • • • • • • • • • • • •	hes):						Hydric Soil Present?	Yes O No 💿
Remarks:	1103)							
terriarks.								

Project/Site: Carrollton Sunnyside		City/County: Stark	Sampling Date: 03-May-17
Applicant/Owner: AEP		State: 0	
Investigator(s): Jbl, Jtt		Section, Township, Range: S	
Landform (hillslope, terrace, etc.):	Hillside	Local relief (concave, convex,	none): flat Slope: 0.0% / 0.0 °
Subregion (LRR or MLRA): LRR N			ng.: -81.266283
Soil Map Unit Name: Glenford silt lo		40.700213	NWI classification: N/A
Are climatic/hydrologic conditions on	the site typical for this time	of year? Yes No (If no	o, explain in Remarks.)
Are Vegetation, Soil	, or Hydrology signifi	cantly disturbed? Are "Norma	I Circumstances" present? Yes ● No ○
Are Vegetation, Soil	, or Hydrology natura		explain any answers in Remarks.)
,	, ,	,	ns, transects, important features, etc.
Hydrophytic Vegetation Present?	Yes O No 💿		
Hydric Soil Present?	Yes O No 💿	Is the Sampled Area	Yes ○ No ●
Wetland Hydrology Present?	Yes O No 💿	within a Wetland?	res UNU U
Remarks:			
Hydrology			
Wetland Hydrology Indicators:			Secondary Indicators (minimum of two required)
Primary Indicators (minimum of on	e required; check all that app	oly)	Surface Soil Cracks (B6)
Surface Water (A1)	True Aquatic	Plants (B14)	Sparsely Vegetated Concave Surface (B8)
☐ High Water Table (A2)		fide Odor (C1)	Drainage Patterns (B10)
Saturation (A3)		ospheres along Living Roots (C3)	Moss Trim Lines (B16)
Water Marks (B1)		Reduced Iron (C4)	Dry Season Water Table (C2)
Sediment Deposits (B2)		Reduction in Tilled Soils (C6)	Crayfish Burrows (C8)
Drift deposits (B3)	☐ Thin Muck Su	• •	Saturation Visible on Aerial Imagery (C9)
Algal Mat or Crust (B4)	Other (Explain	n in Remarks)	Stunted or Stressed Plants (D1)
☐ Iron Deposits (B5)☐ Inundation Visible on Aerial Imagery	(D7)		Geomorphic Position (D2)
Water-Stained Leaves (B9)	y (D7)		☐ Shallow Aquitard (D3) ☐ Microtopographic Relief (D4)
Aquatic Fauna (B13)			FAC-neutral Test (D5)
Field Observations:			TAC-fledital fest (D3)
Surface Water Present? Yes	No Depth (inch	es):	
Water Table Present? Yes	No Depth (inch	es):	
Saturation Present? (includes capillary frings) Yes	_	Wetland Hyd	rology Present? Yes O No 💿
(includes capillary fringe) Describe Recorded Data (stream ga			ilable:
Describe Necorded Bata (stream ga	age, monitoring well, denait p	motos, previous inspections), ii uva	idable.
Remarks:			

		Dominant Engaine?		Sampling Point:	api ibi occo	7-02,03
Tree Stratum (Plot size:)	Absolute % Cover		Indicator Status			
1		0.0%		Number of Dominant Species That are OBL, FACW, or FAC:	0	(A)
2	0	0.0%		Total Number of Deminent		
3		0.0%		Total Number of Dominant Species Across All Strata:	4	(B)
4		0.0%				
5		0.0%		Percent of dominant Species	0.0%	(A/B)
6		0.0%		That Are OBL, FACW, or FAC:	0.078	(A/D)
7	0	0.0%		Prevalence Index worksheet:		
3	0	0.0%		Total % Cover of: Mu	Itiply by:	
Sapling-Sapling/Shrub Stratum (Plot size:) =	= Total Cove	r	OBL species0 x 1		
1		0.0%		FACW species 0 x 2	= 0	
)		0.0%		FAC species0 x 3	= 0	
		0.0%		FACU species 60 x 4	= 240	
3		0.0%		UPL species 50 x 5	250	
1		0.0%		Column Totals: 110 (A)	490	(B)
5		0.0%			-	
5		0.0%		Prevalence Index = B/A =	4.455	
7				Hydrophytic Vegetation Indicators	s:	
3		0.0%		Rapid Test for Hydrophytic V	egetation	
9		0.0%		☐ Dominance Test is > 50%		
)		0.0%		Prevalence Index is ≤3.0 ¹		
Shrub Stratum (Plot size:)	0=	= Total Cove	r	Morphological Adaptations 1		orting
1. Rosa multiflora	10	50.0%	FACU	data in Remarks or on a sepa	-	
2. Rubus argutus	10	✓ 50.0%	FACU	Problematic Hydrophytic Veg	jetation 1 (Exp	lain)
3	0	0.0%		¹ Indicators of hydric soil and we		y must
4		0.0%		be present, unless disturbed or p	roblematic.	
5		0.0%		Definition of Vegetation Stra	ta:	
5.		0.0%		Four Vegetation Strata:		
7		0.0%		Tree stratum – Consists of woody pla		vines, 3 in.
		= Total Cove	r	(7.6 cm) or more in diameter at breas regardless of height.	t height (DBH),	
Herb Stratum (Plot size:)				Sapling/shrub stratum – Consists of	woody plants, e	excluding
Bromus sterilis		55.6%	UPL	vines, less than 3 in. DBH and greate	•	,
2 Andropogon virginicus		44.4%	FACU	Herb stratum – Consists of all herbac regardless of size, and all other plans		
3		0.0%		Woody vines – Consists of all woody		
1		0.0%		in height.	villes greater ti	nan 3.20 it
5		0.0%				
5		0.0%		Five Vegetation Strata:		
7		0.0%		Tree - Woody plants, excluding wood	ly vines, approx	imately 20
3		0.0%		ft (6 m) or more in height and 3 in. (7) diameter at breast height (DBH).	.6 cm) or larger	in
)		0.0%		Sapling stratum – Consists of woody	plants. excludi	na woodv
)		0.0%		vines, approximately 20 ft (6 m) or m		
1	0	0.0%		than 3 in. (7.6 cm) DBH.		
2		0.0%		Shrub stratum – Consists of woody provines, approximately 3 to 20 ft (1 to 6		g woody
Noody Vine Stratum (Plot size:)	90 =	= Total Cove	r	Herb stratum – Consists of all herbac	, ,	dy) plants.
1	0	0.0%		including herbaceous vines, regardle	ess of size, and	woody
2.		0.0%		species, except woody vines, less them) in height.	an approximate	ıy 3 ft (1
3.		0.0%		Woody vines – Consists of all woody	vines, regardle	ss of
1		0.0%		height.	, gai allo	
		0.0%				
5			-	Hydrophytic		
6		0.0%		Vegetation Present? Yes No •	1	
		= Total Cove				

Soil Sampling Point: upl-jbl-050317-02,03

Profile Descr		the depth				nfirm the a	absence of indicators.)	
Depth	Matrix			lox Featu	res 1	1 2	Tand	Domester
(inches) 0-3	Color (moist) 10YR 3/3	100	Color (moist)	%	Type 1	Loc²	Texture	Remarks
		100		-			Loam	
3-9	10YR 4/4	100					Silt Loam	
	-						-	
							-	
-				-	-		-	
¹ Type: C=Con	centration. D=Depletion	on. RM=Redu	iced Matrix, CS=Covere	d or Coate	ed Sand Gra	ains ² Loca	tion: PL=Pore Lining. M=Ma	atrix
Hydric Soil 1	Indicators:						Indicators for Proble	matic Hydric Soils ³ :
Histosol (A1)		Dark Surface (S	57)			2 cm Muck (A10)	
Histic Epi	pedon (A2)		Polyvalue Belov	v Surface ((S8) (MLRA	147,148)	Coast Prairie Redo	
Black Hist			Thin Dark Surfa	nce (S9) (N	1LRA 147, 1	148)	(MLRA 147,148)	x (A10)
	Sulfide (A4)		Loamy Gleyed I	Matrix (F2)			Piedmont Floodpla	ain Soils (F19)
	Layers (A5)		Depleted Matrix				(MLRA 136, 147)	, ,
2 cm Muc	k (A10) (LRR N)		Redox Dark Sui				Very Shallow Dark	Surface (TF12)
Depleted	Below Dark Surface (A	A11)	Depleted Dark		7)		Other (Explain in I	Remarks)
Thick Dar	k Surface (A12)		Redox Depress					
Sandy Mu MLRA 14	ıck Mineral (S1) (LRR I 7, 148)	N,	Iron-Manganes MLRA 136)	e Masses ((F12) (LRR	N,		
Sandy Gle	eyed Matrix (S4)		Umbric Surface	(F13) (ML	RA 136, 12	22)	2	
Sandy Re	dox (S5)		☐ Piedmont Flood	dplain Soils	(F19) (ML	RA 148)	Indicators of h	nydrophytic vegetation and rology must be present,
Stripped I	Matrix (S6)		Red Parent Ma	terial (F21)	(MLRA 12	7, 147)	unless dis	turbed or problematic.
Doetrietive I	aver (if chaomical).							
	ayer (if observed):							
Depth (inc							Hydric Soil Present?	Yes ○ No •
	1163)							
Remarks:								
ı								
ı								

Project/Site: Carrollton Sunnyside		City/County: Stark	Sampling Date: 03-May-17
Applicant/Owner: AEP		State: OH	Sampling Point: upl-jbl-050317-04
Investigator(s): Jbl, Jtt		Section, Township, Range: S	4 T 17N R 7W
Landform (hillslope, terrace, etc.):	Hillside	Local relief (concave, convex, no	one):none
Subregion (LRR or MLRA): LRR	N Lat.:	: 40.709424 Long	-81.269361 Datum: NAD 83
Soil Map Unit Name: Glenford silt	loam, 6 to 12 percent slopes		NWI classification: N/A
Are climatic/hydrologic conditions o	on the site typical for this time of y	rear? Yes No (If no, e	explain in Remarks.)
Are Vegetation , Soil			Circumstances" present? Yes No
Are Vegetation . , Soil .	, or Hydrology $\ \ \square$ naturally	problematic? (If needed, ex	xplain any answers in Remarks.)
Summary of Findings - A	ttach site map showing	sampling point locations	s, transects, important features, etc.
Hydrophytic Vegetation Present?	Yes ○ No •		
Hydric Soil Present?	Yes O No 💿	Is the Sampled Area	Yes ○ No •
Wetland Hydrology Present?	Yes O No 💿	within a Wetland?	ies O NO O
Hydrology			
Wetland Hydrology Indicators:		-	Secondary Indicators (minimum of two required)
	one required; check all that apply)		Surface Soil Cracks (B6)
Surface Water (A1)	☐ True Aquatic Plan		Sparsely Vegetated Concave Surface (B8)
High Water Table (A2) Saturation (A3)	Hydrogen Sulfide	Odor (C1) neres along Living Roots (C3)	Drainage Patterns (B10) Moss Trim Lines (B16)
Water Marks (B1)	Presence of Redu		Dry Season Water Table (C2)
Sediment Deposits (B2)		action in Tilled Soils (C6)	Crayfish Burrows (C8)
Drift deposits (B3)	☐ Thin Muck Surfac		Saturation Visible on Aerial Imagery (C9)
Algal Mat or Crust (B4)	Other (Explain in	1	Stunted or Stressed Plants (D1)
Iron Deposits (B5)		,	Geomorphic Position (D2)
Inundation Visible on Aerial Image	ery (B7)		Shallow Aquitard (D3)
Water-Stained Leaves (B9)			Microtopographic Relief (D4)
Aquatic Fauna (B13)			FAC-neutral Test (D5)
Field Observations: Surface Water Present? Yes	No Depth (inches):		
Water Table Present? Yes			
		Wetland Hydro	ology Present? Yes O No 💿
(includes capillary fringe) Yes			
Describe Recorded Data (stream g	jauge, monitoring well, aerial phot	os, previous inspections), if availa	ble:
Damada			
Remarks:			

		Dominant		Sampling Point: upl-jbl-050317-04
Tree Stratum (Plot size:)	Absolute % Cover	-Species? Rel.Strat. Cover	Indicator Status	
1	0	0.0%		Number of Dominant Species That are OBL, FACW, or FAC: (A)
).	0	0.0%		
3		0.0%		Total Number of Dominant Species Across All Strata: 5 (B)
·,		0.0%		
	0	0.0%		Percent of dominant Species That Are OBL_FACW_or_FAC: 0.0% (A/B)
	0	0.0%		That Are OBL, FACW, or FAC: 0.0% (A/B)
	0	0.0%		Prevalence Index worksheet:
		0.0%		Total % Cover of: Multiply by:
apling-Sapling/Shrub Stratum (Plot size:) =	= Total Cove	r	0BL speci es x 1 = 0
	_	0.0%		FACW species 0 x 2 = 0
		0.0%		FAC speci es x 3 = 0
		0.0%		FACU species 125 x 4 = 500
		0.0%		UPL species $0 \times 5 = 0$
		0.0%		Column Total s: 125 (A) 500 (B)
		0.0%		Prevalence Index = B/A = 4.000
		0.0%		
		0.0%		Hydrophytic Vegetation Indicators:
		0.0%		Rapid Test for Hydrophytic Vegetation
		0.0%		☐ Dominance Test is > 50%
		= Total Cove	r	Prevalence Index is ≤3.0 ¹
hrub Stratum (Plot size:)	10	✓ 33.3%	FACU	Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
Elaeagnus angustifolia		✓ 66.7%	FACU	Problematic Hydrophytic Vegetation ¹ (Explain)
Rosa multiflora		0.0%	FACU	
		0.0%		¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
		0.0%		Definition of Vegetation Strata:
		0.0%		Four Vegetation Strata:
		0.0%		Tree stratum – Consists of woody plants, excluding vines, 3 in
•		= Total Cove		(7.6 cm) or more in diameter at breast height (DBH), regardless of height.
erb Stratum (Plot size:)		_		Sapling/shrub stratum – Consists of woody plants, excluding
Poa pratensis		31.6%	FACU	vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.
Festuca rubra		36.8%	FACU	Herb stratum – Consists of all herbaceous (non-woody) plant regardless of size, and all other plants less than 3.28 ft tall.
Andropogon virginicus		21.1%	FACU	Woody vines – Consists of all woody vines greater than 3.28 f
Solidago canadensis		10.5%_	FACU	in height.
		0.0%		
		0.0%		Five Vegetation Strata:
	_	0.0%		Tree - Woody plants, excluding woody vines, approximately 2
		0.0%		ft (6 m) or more in height and 3 in. (7.6 cm) or larger in diameter at breast height (DBH).
		0.0%		Sapling stratum – Consists of woody plants, excluding wood
-		0.0%		vines, approximately 20 ft (6 m) or more in height and less than 3 in. (7.6 cm) DBH.
		0.0%		Shrub stratum – Consists of woody plants, excluding woody
	0			vines, approximately 3 to 20 ft (1 to 6 m) in height.
oody Vine Stratum (Plot size:)	95=	– Total Cove	•	Herb stratum – Consists of all herbaceous (non-woody) plant
		0.0%		including herbaceous vines, regardless of size, and woody species, except woody vines, less than approximately 3 ft (1
	0	0.0%		m) in height.
		0.0%		Woody vines – Consists of all woody vines, regardless of
		0.0%		height.
	0	0.0%		Hydrophytic
	0	0.0%_		Vegetation
	0 :	= Total Cove		Present? Yes V No V

Soil Sampling Point: upl-jbl-050317-04

Depth (inches)	Matrix		Red	ox Feature				
	Color (moist)	<u>%</u>	Color (moist)	%	Type 1	Loc ²	Texture	Remarks
0-13	10YR 3/3	100					Sandy Clay Loam	_
							-	
				-				
Typo: C-Cope	ontration D_Donlotion	n DM_Doduc	and Matrix CS_Covered	d or Coatod	Sand Grai	as 21 ocat	tion: PL=Pore Lining. M=N	Matrix
		II. KIVI–Keuud	ced Matrix, C3=Covered	d of Coated	Sariu Grai	is -Lucai		
lydric Soil In			Dark Surface (S	7)			Indicators for Prob	lematic Hydric Soils ³ :
☐ Histosol (A				,) (MI DA 1	47 140)	2 cm Muck (A10) (MLRA 147)
☐ Histic Epipe			Polyvalue Below				Coast Prairie Red	
 Black Histic Hydrogen S			Thin Dark Surfac		KA 147, 14	18)	(MLRA 147,148)	
Stratified La			Loamy Gleyed N				Piedmont Floody	olain Soils (F19)
_			Depleted Matrix Redox Dark Surf				(MLRA 136, 147	,
_	(A10) (LRR N)	14)	Depleted Dark S					rk Surface (TF12)
_ ·	elow Dark Surface (A1	11)	Redox Depression				Other (Explain in	n Remarks)
_	Surface (A12)		Iron-Manganese		2) (I DD N			
J Sandy Mucle MLRA 147, —	k Mineral (S1) (LRR N 148)	ı	MLRA 136)					
Sandy Gley	red Matrix (S4)		Umbric Surface	(F13) (MLR	A 136, 122	2)	3	f hydrophytic vegetation and
	ox (S5)		☐ Piedmont Flood	plain Soils (F	F19) (MLR	A 148)	wetland hy	drology must be present,
Sandy Redo	()			1 1 (504) (MIDA 127	147)	, ,	disturbed or problematic.
Sandy Redo Stripped Ma			Red Parent Mate	erial (F21) (I	VILKA 127	147)	unless o	isturbed or problematic.
Stripped Ma	atrix (S6)		Red Parent Mate	erial (F21) (I	WILKA 127	147)	unless c	isturbed of problematic.
Stripped Ma	yer (if observed):			erial (F21) (I	WILKA 127	. 147)	unless c	
Stripped Ma	yer (if observed):			eriai (F21) (i	VILINA 127		Hydric Soil Present?	Yes No •
estrictive Lay Type: Depth (inche	yer (if observed):			erial (F21) (I	VILIA 127			
estrictive Lay Type: Depth (inche	yer (if observed):			erial (F21) (I	VILNA 127			
estrictive Lay Type: Depth (inche	yer (if observed):			erial (F21) (i	VILNA 127			
estrictive Lay Type: Depth (inche	yer (if observed):			erial (F27) (I	VIERA 127			
estrictive Lay Type: Depth (inche	yer (if observed):			erial (F27) (I	VIERA 127			
estrictive Lay Type: Depth (inche	yer (if observed):			erial (F27) (i	VILNA 127			
estrictive Lay Type: Depth (inche	yer (if observed):			erial (F21) (i	VILLA 127			
Stripped Marketrictive Lay Type: Depth (inche	yer (if observed):			erial (F21) (I	VILLA 127			
estrictive Lay Type: Depth (inche	yer (if observed):			erial (F27) (I	VILLA 127			
estrictive Lay Type: Depth (inche	yer (if observed):			erial (F21) (I	VILLA 127			
estrictive Lay Type: Depth (inche	yer (if observed):			erial (F21) (i	VILLA 127			
estrictive Lay Type: Depth (inche	yer (if observed):			erial (F21) (i	VILLA 127			
estrictive Lay Type: Depth (inche	yer (if observed):			erial (F21) (I	VILLA 127			
estrictive Lay Type: Depth (inche	yer (if observed):			erial (F21) (I	VILLA 127			
Stripped Markestrictive Lay Type: Depth (inches	yer (if observed):			erial (F21) (I	VILLA 127			
Stripped Markestrictive Lay	yer (if observed):			erial (F21) (I	VILLA 127			
Stripped Marketictive Lay Type: Depth (inches	yer (if observed):			erial (F21) (I	VILLA 127			
Stripped Marketrictive Lay Type: Depth (inches	yer (if observed):			erial (F21) (I	VILLA 127			
Stripped Markestrictive Lay Type: Depth (inches	yer (if observed):			erial (F21) (I	VILLA 127			
estrictive Lay Type: Depth (inche	yer (if observed):			erial (F21) (I	VILLA 127			
estrictive Lay Type: Depth (inches	yer (if observed):			erial (F21) (I	VILLA 127			

Project/Site: Carrollton Sunnyside		City/County: Stark	Sampling Date: 03-May-17
Applicant/Owner: AEP		State: OH	Sampling Point: upl-jbl-050317-05
Investigator(s): Jbl, Jtt		Section, Township, Range: S 4	T 17N R 7W
Landform (hillslope, terrace, etc.):	Hillside	Local relief (concave, convex, none)	Slope:/ 0.0 °
Subregion (LRR or MLRA): LRR	N Lat.:	40.71451 Long.:	-81.274456 Datum: NAD 83
Soil Map Unit Name: Wayland silt	loam		NWI classification: N/A
Are climatic/hydrologic conditions of	on the site typical for this time of y	ear? Yes No (If no, exp	lain in Remarks.)
Are Vegetation, Soil	, or Hydrology significant	tly disturbed? Are "Normal Circ	umstances" present? Yes No
Are Vegetation . , Soil .	, or Hydrology 🔲 naturally	problematic? (If needed, expla	ain any answers in Remarks.)
Summary of Findings - A	ttach site map showing s	sampling point locations, t	ransects, important features, etc.
Hydrophytic Vegetation Present?	Yes O No 💿		
Hydric Soil Present?	Yes O No 💿	Is the Sampled Area	○ No ●
Wetland Hydrology Present?	Yes O No 💿	within a Wetland?	- NO -
Hydrology			
Wetland Hydrology Indicators:		Sec	ondary Indicators (minimum of two required)
	one required; check all that apply)		Surface Soil Cracks (B6)
Surface Water (A1)	☐ True Aquatic Plan		Sparsely Vegetated Concave Surface (B8)
High Water Table (A2) Saturation (A3)	☐ Hydrogen Sulfide		Drainage Patterns (B10) Moss Trim Lines (B16)
Water Marks (B1)	Presence of Redu		Dry Season Water Table (C2)
Sediment Deposits (B2)			Crayfish Burrows (C8)
☐ Drift deposits (B3)	Thin Muck Surface	e (C7)	Saturation Visible on Aerial Imagery (C9)
Algal Mat or Crust (B4)	Other (Explain in	Remarks)	Stunted or Stressed Plants (D1)
Iron Deposits (B5)			Geomorphic Position (D2)
Inundation Visible on Aerial Image	ery (B7)		Shallow Aquitard (D3)
Water-Stained Leaves (B9) Aquatic Fauna (B13)			Microtopographic Relief (D4) FAC-neutral Test (D5)
Field Observations:			FAC-neutral rest (D5)
Surface Water Present? Yes	No Depth (inches):		
Water Table Present? Yes	No Depth (inches):		
Saturation Present? (includes capillary frings) Yes	1 , ,	Wetland Hydrolog	y Present? Yes O No 💿
(includes capillally fringe)		on provious inspections) if available	
Describe Recorded Data (stream g	jauge, monitoring well, aeriai priote	os, previous inspections), if available	:
Remarks:			

		–Species? -		
	Absolute	. conociaci	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size:)	% Cover	Cover	Status	Number of Dominant Species
1	0	0.0%		That are OBL, FACW, or FAC:1(A)
2		0.0%		
3		0.0%		Total Number of Dominant Species Across All Strata: 3 (B)
4		0.0%		Species Across Air Strata.
5		0.0%		Percent of dominant Species
		0.0%		That Are OBL, FACW, or FAC: 33.3% (A/B)
6		0.0%		Prevalence Index worksheet:
7		0.0%		Total % Cover of: Multiply by:
8				
Sapling-Sapling/Shrub Stratum (Plot size:) =	= Total Cove	r	0BL speci es 0 x 1 = 0
1		0.0%		FACW species
2		0.0%		FAC speci es x 3 = 0
		0.0%		FACU species80 x 4 =320
3		0.0%		UPL speci es $\frac{15}{}$ x 5 = $\frac{75}{}$
4		0.0%		Column Totals: 110 (A) 425 (B)
5				
6		0.0%		Prevalence Index = B/A = 3.864
7		0.0%		Hydrophytic Vegetation Indicators:
8		0.0%		Rapid Test for Hydrophytic Vegetation
9				☐ Dominance Test is > 50%
0	0	0.0%		Prevalence Index is ≤3.0 ¹
Shrub Stratum (Plot size:)		= Total Cove	r	Morphological Adaptations ¹ (Provide supporting
Rubus allegheniensis	75	✓ 83.3%	FACU	data in Remarks or on a separate sheet)
Lonicera maackii	15	16.7%	UPL	Problematic Hydrophytic Vegetation ¹ (Explain)
		0.0%		¹ Indicators of hydric soil and wetland hydrology must
3		0.0%		be present, unless disturbed or problematic.
4		\neg		Definition of Vegetation Strata:
5		0.0%		Definition of Vegetation Strata:
6		0.0%		Four Vegetation Strata: Tree stratum – Consists of woody plants, excluding vines, 3 in.
7	0	0.0%		(7.6 cm) or more in diameter at breast height (DBH),
Herb Stratum (Plot size:)	90 =	= Total Cove	r	regardless of height.
Phalaris arundinacea	15	1 00.0%	FACW	Sapling/shrub stratum – Consists of woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.
2.		0.0%		Herb stratum – Consists of all herbaceous (non-woody) plants,
3	0	0.0%		regardless of size, and all other plants less than 3.28 ft tall.
•		0.0%		Woody vines – Consists of all woody vines greater than 3.28 ft
4		0.0%		in height.
5		0.0%		
6				Five Vegetation Strata:
7		0.0%		Tree - Woody plants, excluding woody vines, approximately 20
8		0.0%		ft (6 m) or more in height and 3 in. (7.6 cm) or larger in diameter at breast height (DBH).
9		0.0%		Sapling stratum – Consists of woody plants, excluding woody
0		0.0%		vines, approximately 20 ft (6 m) or more in height and less
1	0	0.0%		than 3 in. (7.6 cm) DBH.
2	0	0.0%		Shrub stratum – Consists of woody plants, excluding woody vines, approximately 3 to 20 ft (1 to 6 m) in height.
Woody Vine Stratum (Plot size:)	15 =	= Total Cove	r	Herb stratum – Consists of all herbaceous (non-woody) plants,
1. Lonicera japonica	5	✓ 100.0%	FACU	including herbaceous vines, regardless of size, and woody
		\Box	17.00	species, except woody vines, less than approximately 3 ft (1
2		0.0%		m) in height.
3		0.0%		Woody vines – Consists of all woody vines, regardless of height.
4		0.0%		_
5	0	0.0%		Hydrophytic
6	0	0.0%		Vegetation Present? Yes No No
•.				

Soil Sampling Point: upl-jbl-050317-05

Profile Descr	iption: (Describe to t	the depth nee	ded to document	the indica	ator or co	nfirm the a	bsence of indicators.)	
Depth	Matrix		Re	dox Featu				
(inches)	Color (moist)		Color (moist)	%	Tvpe 1	Loc ²	Texture	Remarks
0-13	10YR 3/3						Silt Loam	
				-				
¹ Type: C=Cond	centration. D=Depletion	n. RM=Reduced	Matrix, CS=Covere	ed or Coate	d Sand Gra	ins ² Loca	tion: PL=Pore Lining. M=Ma	atrix
Hydric Soil I	ndicators:						Indicators for Proble	matic Hydric Soile ³ :
Histosol (/			Dark Surface (S7)				
	pedon (A2)		Polyvalue Belov	•	S8) (MLRA	147,148)	2 cm Muck (A10)	(MLRA 147)
Black Hist			Thin Dark Surfa				Coast Prairie Redo	x (A16)
	Sulfide (A4)		Loamy Gleyed			,	(MLRA 147,148)	
	Layers (A5)		Depleted Matri				Piedmont Floodpla	ain Soils (F19)
	k (A10) (LRR N)		Redox Dark Su				(MLRA 136, 147)	
			Depleted Dark		`		Very Shallow Dark	
	Below Dark Surface (A1	1)	Redox Depress)		Other (Explain in	Remarks)
	k Surface (A12)				-10) (LDD L			
Sandy Mu MLRA 147	ck Mineral (S1) (LRR N, 7, 148)	,	MLRA 136)					
Sandy Gle	yed Matrix (S4)		Umbric Surface	e (F13) (ML	RA 136, 12	2)	3	
Sandy Red	dox (S5)		☐ Piedmont Floo	dplain Soils	(F19) (MLF	RA 148)	vetland hyd	nydrophytic vegetation and rology must be present,
Stripped N	Matrix (S6)		Red Parent Ma	terial (F21)	(MLRA 12	7, 147)		turbed or problematic.
Restrictive L	ayer (if observed):							
Type:	ayer (ii observea).							
Depth (incl							Hydric Soil Present?	Yes O No 💿
	103).							
Remarks:								
ĺ								

Project/Site: Sunnyside Carrollton		City/County: Stark County	Sampling Date: 02-May-17
Applicant/Owner: AEP		State: OF	Sampling Point: UP-PJR-050217-7,8,9
Investigator(s): PJR, LCB		Section, Township, Range: S	5 5 T 17N R 7W
Landform (hillslope, terrace, etc.):	Hillside	Local relief (concave, convex, r	none): convex Slope: 35.0% / 19.3 °
Subregion (LRR or MLRA):		40.719297 Lo i	ng.: -81.278512
Soil Map Unit Name: Sb	2001	10.717277	NWI classification: N/A
	on the site typical for this time of ye	ear? Yes No (If no	o, explain in Remarks.)
Are Vegetation, Soil			I Circumstances" present? Yes No
Are Vegetation, Soil	, or Hydrology 🔲 naturally p	roblematic? (If needed,	explain any answers in Remarks.)
Summary of Findings - A	Attach site map showing s		ns, transects, important features, etc.
Hydrophytic Vegetation Present?			
Hydric Soil Present?	Yes ○ No ●	Is the Sampled Area	Yes ○ No ●
Wetland Hydrology Present?	Yes O No 💿	within a Wetland?	163 0 140 0
Remarks:			
Underland			
Hydrology			
Wetland Hydrology Indicators:			Secondary Indicators (minimum of two required)
	one required; check all that apply)		Surface Soil Cracks (B6)
Surface Water (A1)	☐ True Aquatic Plants		Sparsely Vegetated Concave Surface (B8)
☐ High Water Table (A2)☐ Saturation (A3)	☐ Hydrogen Sulfide C	, ,	Drainage Patterns (B10)
Water Marks (B1)	Presence of Reduc	eres along Living Roots (C3)	☐ Moss Trim Lines (B16) ☐ Dry Season Water Table (C2)
Sediment Deposits (B2)		tion in Tilled Soils (C6)	Crayfish Burrows (C8)
Drift deposits (B3)	Thin Muck Surface		Saturation Visible on Aerial Imagery (C9)
Algal Mat or Crust (B4)	Other (Explain in R	• •	Stunted or Stressed Plants (D1)
☐ Iron Deposits (B5)		······································	Geomorphic Position (D2)
Inundation Visible on Aerial Imag	gery (B7)		Shallow Aquitard (D3)
Water-Stained Leaves (B9)			Microtopographic Relief (D4)
Aquatic Fauna (B13)			FAC-neutral Test (D5)
Field Observations: Surface Water Present? Yes	O No Depth (inches):		
	0 0		
6 1 11 5 10		Wetland Hyd	rology Present? Yes O No 💿
(includes capillary fringe) Yes	No Depth (inches):		
Describe Recorded Data (stream	gauge, monitoring well, aerial photo	s, previous inspections), if avai	ilable:
Remarks:			

		Domin		Samping i onic.	UP-PJR-050217-7	7,0,3
Tree Stratum (Plot size:)	Absolute % Cover					
1. Prunus serotina	65	100	.0% FACU	Number of Dominant Species That are OBL, FACW, or FAC:	0(A))
2		0.0	0%	Total Number of Dominant		
3	0	0.0	0%	Species Across All Strata:	3(B))
4		0.0	0%	-		
5		0.0	0%	Percent of dominant Species That Are OBL, FACW, or FAC:	0.0% (A/	/B)
ô	0	0.0	0%	- Indiatale ODL, FACW, OF FAC.		
7		0.0	0%	Prevalence Index worksheet:		
8	0	0.0	0%	Total % Cover of: M	ultiply by:	
Sapling-Sapling/Shrub Stratum (Plot size:)65 :	= Total (Cover	OBL speci es 0 x	1 = 0	
	25	1 00	.0% FACU	FACW species0 x	2 = 0	
Prunus serotina		\neg	0%	FAC species 0 x	3 = 0	
2		$\overline{}$	0% 0%	FACU species 95 x	4 = 380	
3		$\overline{}$		UPL speciles 0 x	5 = 0	
4		$\overline{}$	0%	Column Totals: 95 (A	,	(B)
5		\equiv	0%	-		•
5		$\overline{}$	0%	Prevalence Index = B/A =	4.000	
7		$\overline{}$	0%	Hydrophytic Vegetation Indicato	rs:	
3		\neg	0%	Rapid Test for Hydrophytic	Vegetation	
9		$\overline{}$	0%	☐ Dominance Test is > 50%		
O			0%	Prevalence Index is ≤3.0 ¹		
Shrub Stratum (Plot size:)	25:	= Total (Cover	Morphological Adaptations		ıg
1	0	0.0	0%	data in Remarks or on a sep	•	
2		0.0	0%	Problematic Hydrophytic Ve	getation ¹ (Explain))
3	0	0.0	0%	¹ Indicators of hydric soil and w		ust
4		0.0	0%	be present, unless disturbed or	problematic.	
5		0.0	0%	Definition of Vegetation Str	ata:	
5		0.0	0%	Four Vegetation Strata:		
7		0.0	0%	Tree stratum – Consists of woody p (7.6 cm) or more in diameter at brea		s, 3 in.
Herb Stratum (Plot size:)		= Total (Cover	regardless of height.		
1. Parthenocissus quinquefolia	5	100	.0% FACU	Sapling/shrub stratum – Consists o vines, less than 3 in. DBH and great		
2	0	0.0	0%	Herb stratum – Consists of all herba	` '	
3	0	0.0	0%	regardless of size, and all other plan	nts less than 3.28 ft tal	ıII.
1	0	0.0	0%	Woody vines – Consists of all wood	ly vines greater than 3.	.28 ft
5	0	0.0	0%	in height.		
5	0	0.0	0%	Five Vegetation Strata:		
7	0	0.0	0%	Tree - Woody plants, excluding woo	ndy vines annovimes	പ്പ വ
3	0	0.0	0%	ft (6 m) or more in height and 3 in. (JIY ZU
9	0		0%	diameter at breast height (DBH).		
). 		0.0	0%	Sapling stratum – Consists of wood vines, approximately 20 ft (6 m) or n		
1	0	0.0	0%	than 3 in. (7.6 cm) DBH.	g	
2.	0	0.0	0%	Shrub stratum – Consists of woody		ody
Woody Vine Stratum (Plot size:)	5 :	= Total C	Cover	vines, approximately 3 to 20 ft (1 to	, •	alante
	0		0%	Herb stratum – Consists of all herba including herbaceous vines, regard		
1	0	$\overline{}$	0% 0%	species, except woody vines, less the	nan approximately 3 ft	t (1
2		$\overline{}$		m) in height.	ly vince receptions of	
3		$\overline{}$	0% 	Woody vines – Consists of all wood height.	y vines, regardless of	
4		$\overline{}$	0%	-		
5			0%	Hydrophytic		
5			0% -	Vegetation Yes No		
	0	= Total	Cover	riesent: .55 - 110 c		

Soil Sampling Point: UP-PJR-050217-7,8,9

Profile Descr	iption: (Describe to	the depth ne	eded to document	t the indica	ator or co	nfirm the a	absence of indicators.)	
Depth	Matrix		Re	dox Featu				
(inches)	Color (moist)		Color (moist)	%	Tvpe 1	Loc ²	Texture	Remarks
0-16	10YR 5/4	100		_			Sandy Loam	
			-					
			и-	-			-	
				_				
¹ Type: C=Cond	centration. D=Depletion	n. RM=Reduce	ed Matrix. CS=Cover	ed or Coate	d Sand Gra	ins ² Locat	tion: PL=Pore Lining. M=Ma	atrix
Hydric Soil I		II. KWI—KCGGC	Ja Wattik, 00-00ver	- Cu or courter				
Histosol (A			Dark Surface ((57)			Indicators for Proble	ematic Hydric Soils ³ :
	pedon (A2)		Polyvalue Belo		SO) (MI DA	147 140)	2 cm Muck (A10)	(MLRA 147)
Black Hist			Thin Dark Surf				Coast Prairie Redo	ox (A16)
	Sulfide (A4)		Loamy Gleyed		LIXA 147, 1	40)	(MLRA 147,148)	
	Layers (A5)		Depleted Matri				Piedmont Floodpla	ain Soils (F19)
	k (A10) (LRR N)		Redox Dark Su				(MLRA 136, 147)	0.6 (77.10)
	Below Dark Surface (A	11\	Depleted Dark)			
	k Surface (A12)	11)	Redox Depress		,		Other (Explain in	Remarks)
	• •		☐ Iron-Manganes	, ,	=12) (I RR I	VI		
MLRA 147	ck Mineral (S1) (LRR N ⁷ , 148)	l,	MLRA 136)					
	yed Matrix (S4)		Umbric Surface				3 Indicators of	hydrophytic vegetation and
Sandy Red	dox (S5)		Piedmont Floo				wetland hyd	rology must be present,
☐ Stripped N	Matrix (S6)		Red Parent Ma	iterial (F21)	(MLRA 12	7, 147)	unless dis	sturbed or problematic.
Restrictive La	ayer (if observed):							
Type:								
Depth (incl	nes):						Hydric Soil Present?	Yes O No
Remarks:								
ı								

Project/Site: Sunnyside Carrollton		City/County: Stark County	Sampling Date: 02-May-17
Applicant/Owner: AEP		State: O	
Investigator(s): PJR, LCB		Section, Township, Range: S	
Landform (hillslope, terrace, etc.):	Hillside	Local relief (concave, convex,	
Subregion (LRR or MLRA):			ng.: -81.288051
Soil Map Unit Name: TIC	Latin	40.727333	NWI classification: N/A
		ar? Yes No (If no	
Are climatic/hydrologic conditions of			o, explain in Remarks.)
Are Vegetation , Soil ,			- on cambrances present.
Are Vegetation, Soil	, or Hydrology	oblematic? (If needed,	explain any answers in Remarks.)
Summary of Findings - At	tach site map showing sa	ampling point location	ns, transects, important features, etc.
Hydrophytic Vegetation Present?	Yes ○ No •		
Hydric Soil Present?	Yes ○ No •	Is the Sampled Area	Yes ○ No ●
Wetland Hydrology Present?	Yes ○ No •	within a Wetland?	res UNU U
Remarks:		I	
Hydrology			
Wetland Hydrology Indicators:			Secondary Indicators (minimum of two required)
Primary Indicators (minimum of or			Surface Soil Cracks (B6)
Surface Water (A1)	True Aquatic Plants		Sparsely Vegetated Concave Surface (B8)
High Water Table (A2)	☐ Hydrogen Sulfide O	• •	Drainage Patterns (B10)
Saturation (A3)		res along Living Roots (C3)	Moss Trim Lines (B16)
Water Marks (B1) Sediment Deposits (B2)	Presence of Reduce	• •	Dry Season Water Table (C2)
Drift deposits (B3)		ion in Tilled Soils (C6)	☐ Crayfish Burrows (C8) ☐ Saturation Visible on Aerial Imagery (C9)
Algal Mat or Crust (B4)	Thin Muck Surface	•	Stunted or Stressed Plants (D1)
Iron Deposits (B5)	U Other (Explain in Re	emarks)	Geomorphic Position (D2)
Inundation Visible on Aerial Imager	·y (B7)		Shallow Aquitard (D3)
Water-Stained Leaves (B9)			Microtopographic Relief (D4)
Aquatic Fauna (B13)			FAC-neutral Test (D5)
Field Observations:) (a)		
Surface Water Present? Yes			
Water Table Present? Yes	No Depth (inches):	Watland Hyd	rology Present? Yes O No •
Saturation Present? (includes capillary fringe) Yes	No Depth (inches):		TOO ON THE PROPERTY OF THE OWNER OWNER
Describe Recorded Data (stream ga	auge, monitoring well, aerial photos	s, previous inspections), if ava	ilable:
Remarks:			

		Dominant Species?		Sampling Point: <u>UP-PJF</u>	(-030217- 4 ,3,0
Tree Stratum (Plot size:)	Absolute % Cover		Indicator Status	Dominance Test worksheet:	
 1		0.0%		Number of Dominant Species That are OBL, FACW, or FAC: 0	(A)
2	0	0.0%		Total Number of Dominant	
3		0.0%		Total Number of Dominant Species Across All Strata: 1	(B)
		0.0%			
5	0	0.0%		Percent of dominant Species That Are OBL FACW or FAC: 0.0	% (A/B)
5		0.0%		That Are OBL, FACW, or FAC: 0.0	70 (707)
·	0	0.0%		Prevalence Index worksheet:	
3	0	0.0%		Total % Cover of: Multiply by:	
Sapling-Sapling/Shrub Stratum (Plot size:) =	= Total Cover	•	0BL species3 x 1 =	
		0.0%		FACW species x 2 =	0
)		0.0%		FAC speci es0 x 3 =	0
		0.0%		FACU species x 4 =	388
		0.0%		UPL speci es x 5 =	0
i		0.0%		Column Totals: 100 (A)	391 (B)
		0.0%			
) 		0.0%		Prevalence Index = B/A = 3.9	10_
		0.0%		Hydrophytic Vegetation Indicators:	
3		0.0%		Rapid Test for Hydrophytic Vegetatio	n
)				☐ Dominance Test is > 50%	
)	0	0.0%		Prevalence Index is ≤3.0 ¹	
Shrub Stratum (Plot size:)		= Total Cover	•	Morphological Adaptations ¹ (Provide	
				data in Remarks or on a separate she	•
2.				Problematic Hydrophytic Vegetation	Explain)
3		0.0%		¹ Indicators of hydric soil and wetland hy	
ł		0.0%		be present, unless disturbed or problemat	ic.
5	0	0.0%		Definition of Vegetation Strata:	
S	0	0.0%		Four Vegetation Strata:	
7	0	0.0%		Tree stratum – Consists of woody plants, excl (7.6 cm) or more in diameter at breast height (
lerb Stratum (Plot size:)		= Total Cover		regardless of height.	
Trifolium repens	5	5.0%	FACU	Sapling/shrub stratum – Consists of woody pl vines, less than 3 in. DBH and greater than 3.2	
Galium tinctorium	3	3.0%	OBL	Herb stratum – Consists of all herbaceous (no	` '
Achillea millefolium	2	2.0%	FACU	regardless of size, and all other plants less the	an 3.28 ft tall.
Taraxacum officinale	10	10.0%	FACU	Woody vines – Consists of all woody vines gro	eater than 3.28 ft
Festuca arundinacea	80	80.0%	FACU	in height.	
)	0	0.0%		Five Vegetation Strata:	
7.	0	0.0%		Five Vegetation Strata:	
3.		0.0%		Tree - Woody plants, excluding woody vines, a ft (6 m) or more in height and 3 in. (7.6 cm) or	
· -		0.0%		diameter at breast height (DBH).	
)		0.0%		Sapling stratum – Consists of woody plants, e vines, approximately 20 ft (6 m) or more in hei	
		0.0%		than 3 in. (7.6 cm) DBH.	giit aliu less
	0	0.0%		Shrub stratum – Consists of woody plants, ex	
		= Total Cover		vines, approximately 3 to 20 ft (1 to 6 m) in hei	-
Noody Vine Stratum (Plot size:)				Herb stratum – Consists of all herbaceous (no including herbaceous vines, regardless of size	*/ 1
		0.0%		species, except woody vines, less than approx	
2				m) in height.	
b		0.0%		Woody vines – Consists of all woody vines, re height.	gardless of
				_ · • • • • • • • • • • • • • • • • • •	
5		0.0%		Hydrophytic	
5		0.0%		Vegetation	
	0	= Total Cove	_	Present? Yes Vo V	

Soil Sampling Point: UP-PJR-050217-4,5,6

Profile Descr		the depth i				nfirm the a	absence of indicators.)	
Depth	Matrix	0/		dox Featu	res	1 2	Toutere	Dorosolo
(inches) 0-16	Color (moist) 10YR 3/3	% 100	Color (moist)	%	Tvpe 1	Loc ²	Texture Silt Loam	Remarks
	101K 3/3						Siit Loaiii	
								•
				-			-	
		n. RM=Redu	ced Matrix, CS=Covere	ed or Coate	d Sand Gra	ins ² Locat	tion: PL=Pore Lining. M=M	atrix
Hydric Soil							Indicators for Proble	ematic Hydric Soils ³ :
Histosol (Dark Surface (,			2 cm Muck (A10)	(MLRA 147)
	pedon (A2)		Polyvalue Belov				Coast Prairie Red	ox (A16)
Black His			☐ Thin Dark Surfa			48)	(MLRA 147,148)	
	Sulfide (A4)		Loamy Gleyed				Piedmont Floodp	
	Layers (A5)		Depleted Matrix Redox Dark Su				(MLRA 136, 147)	
I —	k (A10) (LRR N)	44)	Depleted Dark	` ,	7)		☐ Very Shallow Dar	
	Below Dark Surface (A k Surface (A12)	.11)	Redox Depress		')		Other (Explain in	Remarks)
I —	• •		☐ Iron-Manganes		F12) (LRR I	V.		
MLRA 14	ıck Mineral (S1) (LRR N 7, 148)	Ν,	MLRA 136)					
	eyed Matrix (S4)		Umbric Surface				³ Indicators of	hydrophytic vegetation and
Sandy Re			☐ Piedmont Flood				wetland hyd	drology must be present,
Stripped	Matrix (S6)		Red Parent Ma	terial (F21)	(MLRA 127	7, 147)	unless di	sturbed or problematic.
Restrictive L	ayer (if observed):							
Туре:								
Depth (inc	hes):						Hydric Soil Present?	Yes O No •
Remarks:								

Project/Site: Sunnyside Carrollton		City/County: Stark County	Sampling Date: 02-May-17
Applicant/Owner: AEP		State: 0	H Sampling Point: P-PJR-050217-01,02,0
Investigator(s): PJR, LCB		Section, Township, Range: S	32 T 18N R 7W
Landform (hillslope, terrace, etc.):	Hillside	Local relief (concave, convex,	none): none Slope: 10.0% / 5.7 °
Subregion (LRR or MLRA):		40.730128 Lo	ng.: -81.2909876
Soil Map Unit Name: TIC	Lucii	40.730120	NWI classification: N/A
	the site terminal for this time of war	ar? Yes • No O (If no	
Are climatic/hydrologic conditions o Are Vegetation			o, explain in Remarks.) Il Circumstances" present? Yes No
Are Vegetation, Soil	, or Hydrology 🔲 naturally pr	oblematic? (If needed,	explain any answers in Remarks.)
Summary of Findings - At	ttach site map showing sa		ns, transects, important features, etc.
Hydrophytic Vegetation Present?	Yes O No 💿		
Hydric Soil Present?	Yes O No 💿	Is the Sampled Area	Yes ○ No ●
Wetland Hydrology Present?	Yes O No 💿	within a Wetland?	163 C NO C
Remarks:			
Hydrology			
Wetland Hydrology Indicators:			Secondary Indicators (minimum of two required)
Primary Indicators (minimum of o			Surface Soil Cracks (B6)
Surface Water (A1)	True Aquatic Plants		Sparsely Vegetated Concave Surface (B8)
High Water Table (A2)	☐ Hydrogen Sulfide O	• •	Drainage Patterns (B10)
Saturation (A3)		res along Living Roots (C3)	Moss Trim Lines (B16)
Water Marks (B1)	Presence of Reduce	• •	Dry Season Water Table (C2)
Sediment Deposits (B2) Drift deposits (B3)		ion in Tilled Soils (C6)	Crayfish Burrows (C8)
Algal Mat or Crust (B4)	☐ Thin Muck Surface (Saturation Visible on Aerial Imagery (C9) Stunted or Stressed Plants (D1)
Iron Deposits (B5)	U Other (Explain in Re	emarks)	Geomorphic Position (D2)
Inundation Visible on Aerial Image	rv (B7)		Shallow Aquitard (D3)
Water-Stained Leaves (B9)	., (=-,		Microtopographic Relief (D4)
Aquatic Fauna (B13)			FAC-neutral Test (D5)
Field Observations:			
Surface Water Present? Yes	No Depth (inches):		
Water Table Present? Yes	No Depth (inches):		
Saturation Present? (includes capillary frings) Yes	_	Wetland Hyd	Irology Present? Yes O No 💿
(includes capillally milige)	lauge, monitoring well, aerial photos		ilable:
Describe Recorded Data (stream g	auge, monitoring well, aerial photos	s, previous inspections), ir ava	nabic.
Remarks:			

		Dominant English		Sampling Point: <u>UP-PJR-050217-01,02</u>
Tree Stratum (Plot size:)	Absolute % Cover		Indicator Status	
1	0	0.0%		Number of Dominant Species That are OBL, FACW, or FAC:0(A)
2	0	0.0%		Total Number of Densirent
3		0.0%		Total Number of Dominant Species Across All Strata:1 (B)
4		0.0%		
5	0	0.0%		Percent of dominant Species That Are OBL, FACW, or FAC: 0.0% (A/B)
6	0	0.0%		That Are Obl., FACW, or FAC.
7	0	0.0%		Prevalence Index worksheet:
8		0.0%		Total % Cover of: Multiply by:
Sapling-Sapling/Shrub Stratum (Plot size:) =	= Total Cove	r	0BL species x 1 =0
 1		0.0%		FACW species 0 x 2 = 0
2.		0.0%		FAC speci es $0 \times 3 = 0$
3		0.0%		FACU species x 4 =400
4		0.0%		UPL speci es $0 \times 5 = 0$
5		0.0%		Column Total s: 100 (A) 400 (B)
6	0	0.0%		Prevalence Index = B/A =4.000_
7		0.0%		Hydrophytic Vegetation Indicators:
8	0	0.0%		Rapid Test for Hydrophytic Vegetation
9		0.0%		Dominance Test is > 50%
0		0.0%		Prevalence Index is ≤3.0 ¹
Shrub Stratum_ (Plot size:)		= Total Cove	r	Morphological Adaptations ¹ (Provide supporting
1	0	0.0%		data in Remarks or on a separate sheet)
2.	0	0.0%		Problematic Hydrophytic Vegetation ¹ (Explain)
3.		0.0%		¹ Indicators of hydric soil and wetland hydrology must
4.		0.0%		be present, unless disturbed or problematic.
5		0.0%		Definition of Vegetation Strata:
6		0.0%		Four Vegetation Strata:
7		0.0%		Tree stratum – Consists of woody plants, excluding vines, 3 in (7.6 cm) or more in diameter at breast height (DBH),
Herb Stratum (Plot size:)		= Total Cove	r	regardless of height.
1. Poa pratensis	95	✓ 95.0%	FACU	Sapling/shrub stratum – Consists of woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.
2. Alliaria petiolata		5.0%	FACU	Herb stratum – Consists of all herbaceous (non-woody) plants
3.	0	0.0%		regardless of size, and all other plants less than 3.28 ft tall.
4	0	0.0%		Woody vines – Consists of all woody vines greater than 3.28 ft
5	0	0.0%		in height.
6		0.0%		Five Vegetation Strata:
7		0.0%		
8	0	0.0%		Tree - Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and 3 in. (7.6 cm) or larger in
9	0	0.0%		diameter at breast height (DBH).
0	0	0.0%		Sapling stratum – Consists of woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and less
1	0	0.0%		than 3 in. (7.6 cm) DBH.
2.	0	0.0%		Shrub stratum – Consists of woody plants, excluding woody
Woody Vine Stratum (Plot size:)	100 =	= Total Cove	r	vines, approximately 3 to 20 ft (1 to 6 m) in height. Herb stratum – Consists of all herbaceous (non-woody) plants
1	0	0.0%		including herbaceous vines, regardless of size, and woody
2.	0	0.0%		species, except woody vines, less than approximately 3 ft (1 m) in height.
3		0.0%		Woody vines – Consists of all woody vines, regardless of
5 4		0.0%		height.
 5		0.0%		
5 6.		0.0%		Hydrophytic Vegetation
o		= Total Cove	er	Present? Yes No No
	U			

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6/26/2017 1:52:41 PM

in

Case No(s). 17-1318-EL-BLN

Summary: Letter of Notification continuation of filing electronically filed by Mr. Ryan F.M. Aguiar on behalf of AEP Ohio Transmission Company, Inc.