

















































































Project/Site: Lemoyne-Midway	138 kV Projec	;t	City/County: Wood Co	ounty	Sampling Date: 8/5/2014		
Applicant/Owner: ATSI				State: Ohio	Sampling Point: SP-1		
Investigator(s): Richards, Gut	man		Section, Townsh	ip, Range: T6N,	R12E, S15		
Landform (hillslope, terrace, etc.)) ditch		Local relief (concave, conv	·			
Subregion (LRR or MLRA): L) ditor.	Lat: 41.475			Datum: NAD83		
,	loom 0 to						
		2 percent slopes			sification: N/A		
Are climate/hydrologic conditions	s on the site ty			o (If no, explain	in Remarks)		
	etation Sc	- ´ - ~´	Are "Normal Circur	notanose" nresent?	? ⊠ Yes □ No		
- 9		_		olain any answers in i			
, , , , , , , , , , , , , , , , , , , ,		_		-			
SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.							
	,	Yes No	Remarks: Sample plot locate	d in PEM W-1.			
Hydrophytic Vegetation Present?	?						
Hydric Soil Present?							
Wetland Hydrology Present?							
Is the Sampled Area within a V	Vetland?						
HYDROLOGY							
Wetland Hydrology Indicators:	:			Secondary	Indicators (minimum of two required)		
Primary Indicators (minimum of o		check all that ap	o <u>ly)</u>	☐ Surface	Soil Cracks (B6)		
☐ Surface Water (A1)		☐ Water-Sta	ned Leaves (B9)		e Patterns (B10)		
☐ High Water Table (A2)		☐ Aquatic Fa	` '	_	im Lines (B16)		
☐ Saturation (A3)		☐ Marl Depo			son Water Table (C2)		
☐ Water Marks (B1)			Sulfide Odor (C1)		Burrows (C8)		
☐ Sediment Deposits (B2)			Rhizospheres on Living Roots (on Visible on Aerial Imagery (C9)		
☐ Drift Deposits (B3)			of Reduced Iron (C4)		or Stressed Plants (D1)		
☐ Algal Mat or Crust (B4)			n Reduction in Tilled Soils (C6)		phic Position (D2)		
☐ Iron Deposits (B5)		☐ Thin Muck			Aquitard (D3)		
☐ Inundation Visible on Aerial Ir	magery (B7)		plain in Remarks)		ographic Relief (D4)		
☐ Sparsely Vegetated Concave	Surface (B8)		•		utral Test (D5)		
		Depth	Dosariba Recorded Data		nitoring well, aerial photos, previous		
Field Observations:	Yes No		inspections, etc.), if availa		Altoring well, aerial priolos, previous		
Surface Water Present?							
Water Table Present?		4					
Saturation Present?		2					
(includes capillary fringe)							
Wetland Hydrology Present?							
Remarks: Hydrology indicators	A2, A3, D2, ar	nd D5 are presen	t.				
1							

EGETATION - Use scient	ific names of plants	Sampling Point: SP-1			
Tree Stratum	(Plot size: <u>30'</u>)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
	,				Number of Dominant Species that are OBL, FACW, or FAC: 2 (A)
1.					Total Number of Dominant
2.					Species Across All Strata: 2 (B)
3 4		- /0			Percent of Dominant Species
5		- / %			that are OBL, FACW, or FAC: 100% (A/B)
6.		%			
7.		%			Prevalence Index worksheet:
			= Total Cover		Total % Cover of: Multiply by:
					OBL species5 % x 1 =5
Sapling/Shrub Stratum	(Plot size: <u>15'</u>)				FACW species 60 % x 2 = 120
1		%			
2		%			FAC species
3		%			FACU species 0 % x 4 = 0
4		%			UPL species 0 % x 5 = 0
5		%			Column Totals:85 % (A)185 (B)
6		%_			Prevalence Index = B/A = 2.18
7		%_			Trevalence mack = B/A =
			= Total Cover		Hydrophytic Vegetation Indicators:
Herb Stratum	(Plot size: <u>5'</u>)				☐ 1 - Rapid Test for Hydrophytic Vegetation
		60.0/	V	EACW	
 Eleocharis tenuis Carex sp. 		60 % 20 %	<u> </u>	FACW FAC*	
Leersia oryzoides		5 %			□ 3 - Prevalence Index is ≤3.0¹
4					☐ 4 - Morphological Adaptations¹ (Provide
5.		- / %			supporting data in Remarks or on a separate sheet)
6.		%			☐ Problematic Hydrophytic Vegetation¹ (Explain)
7.		%			
8.		%			Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic
9.		%			
10		%			Definitions of Vegetation Strata:
11		%			Tree – Woody plants 3 in. (7.6 cm) or more in
12		%			diameter at breast height (DBH), regardless of height.
		85 % =	= Total Cover		Sapling/Shrub – Woody plants less than 3 in. DBH
Woody Vine Stratum	(Plot size: 30')				and greater than 3.28 ft (1 m) tall.
	,	%			Herb – All herbaceous (non-woody) plants, regardless
1 2					of size, and woody plants less than 3.28 ft tall.
3.					Woody vine – All woody vines greater than 3.28 ft in
4.		%			height.
		0 % =	= Total Cove		
					Hydrophytic Vegetation Present? ☑ Yes ☐ No
Remarks (include photo numb or OBL. Dominance and preval		0 % =	= Total Cover		Hydrophytic Vegetation Present? Yes No necause most Carex sp. in the region are FAC, FACW

SOIL Sampling Point: SP-1 SP-1

Profile Desc	ription: (Describe to	the de	epth needed to docu	ment the	e indicator or	confirm t	the absence of indicators.)		
Depth	Matrix		_ <u> </u>	Redox Fe			_		
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks	
0-12	10YR 4/2	95	10YR 5/6	5		M	clay loam 		
12-24	10YR 5/2	95	10YR 5/3	5	C	M	clay loam		
	· 								
						-			
1Type: C=Cc	oncentration, D=Deplet	tion RI	M-Reduced Matrix M	S-Maska	ed Sand Grain			M-Matrix	
	·	tion, ixi	vi–iveduced ivialitix, ivi	0-Mask	eu Sanu Gran	15			
Hydric Soil I			_				Indicators for Problematic Hydri —		
☐ Histosol (/			☐ Dark Surface (S7				☐ 2 cm Muck (A10) (LRR K, L, M		
☐ Histic Epip	, ,		☐ Polyvalue Below				☐ Coast Prairie Redox (A16) (LR		
☐ Black Hist	, ,		☐ Thin Dark Surfac			149B)	5 cm Mucky Peat or Peat (S3)	(LRR K, L, R)	
Hydrogen			Loamy Mucky Mi	•			☐ Dark Surface (S7) (LRR K, L)	(100 K 1)	
☐ Stratified		١.4.4\	☐ Loamy Gleyed M)		☐ Polyvalue Below Surface (S8) (
☐ Depleted Below Dark Surface (A11) ☐ Depleted Matrix (F3)							☐ Thin Dark Surface (S9) (LRR, I		
	k Surface (A12)		Redox Dark Surf		7)			☐ Iron-Manganese Masses (F12) (LRR, K, L) ☐ Piedmont Floodplain Soils (F19) (MLRA 149B)	
	ucky Mineral (S1) eyed Matrix (S4)		☐ Depleted Dark Si☐ Redox Depression		7)		☐ Mesic Spodic (TA6) (MLRA 14		
☐ Sandy Re			☐ Kedox Depressio) iis (I-O)			Red Parent Material (F21)	4A, 143, 143B)	
☐ Stripped N							☐ Very Shallow Dark Surface (TF	-12)	
- Outploor	victiix (00)						☐ Other (Explain in Remarks)	12)	
³ Indicators of	hydrophytic vegetatio	n and v	wetland hydrology mu	st be pre	sent. unless c	listurbed o	, ,		
	_ayer (if observed):		, ,,	<u> </u>			Hydric Soil Present?		
Type:	iayor (ii oboorrou).		Depth (inches):				⊠ Yes □ No		
	ydric soil indicator F3	ic proc							
Remarks.	yulic soil illuicator F3	is pres	ent.						

Project/Site: Lemoyne-Midway 1:	38 kV Project		City/County: Wood County	Sampling Date: 8/5/2014				
Applicant/Owner: ATSI			Sta	e: Ohio Sampling Point: SP-2				
Investigator(s): Richards, Gutm	nan		Section, Township, R	ange: T6N, R12E, R15				
Landform (hillslope, terrace, etc.)			Local relief (concave, convex, n					
Subregion (LRR or MLRA): L		Lat: 41.4758	_		-			
,	ee loam, 0 to 2 p			NWI Classification: N/A				
Are climate/hydrologic conditions								
			e or year? ⊠ res ∟ ino	(If no, explain in Remarks)				
Vege Significantly Disturbed?	tation Soil ☐ ⊠	Hydrology	Are "Normal Circumsta	ces" present? ☐ Yes ☐ No				
Naturally Problematic?				any answers in Remarks)				
	_	_	line maint legations tron					
SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.								
l	Yes		Remarks: This is an upland plot a	djacent to W-1.				
Hydrophytic Vegetation Present?								
Hydric Soil Present?								
Wetland Hydrology Present?								
Is the Sampled Area within a We	etland?							
HYDROLOGY								
Wetland Hydrology Indicators:				Secondary Indicators (minimum of two requ	<u> uired)</u>			
Primary Indicators (minimum of or	<u>ne required; che</u>	eck all that app	o <u>ly)</u>	☐ Surface Soil Cracks (B6)				
☐ Surface Water (A1)		☐ Water-Stair	ned Leaves (B9)	☐ Drainage Patterns (B10)				
☐ High Water Table (A2)		☐ Aquatic Fau	una (B13)	☐ Moss Trim Lines (B16)				
☐ Saturation (A3)		☐ Marl Depos	sits (B15)	☐ Dry-Season Water Table (C2)				
☐ Water Marks (B1)			Sulfide Odor (C1)	☐ Crayfish Burrows (C8)				
☐ Sediment Deposits (B2)			hizospheres on Living Roots (C3)	☐ Saturation Visible on Aerial Imagery (C9))			
☐ Drift Deposits (B3)			of Reduced Iron (C4)	☐ Stunted or Stressed Plants (D1)	,			
☐ Algal Mat or Crust (B4)		☐ Recent Iron	Reduction in Tilled Soils (C6)	Geomorphic Position (D2)				
☐ Iron Deposits (B5)		☐ Thin Muck		☐ Shallow Aquitard (D3)				
☐ Inundation Visible on Aerial Im	agery (B7)	Other (Expl	lain in Remarks)	☐ Microtopographic Relief (D4)				
☐ Sparsely Vegetated Concave S	Surface (B8)			☐ FAC-Neutral Test (D5)				
		Depth	Describe Recorded Data (strea	m gauge, monitoring well, aerial photos, previ	ious			
Field Observations:	Yes No	(inches):	inspections, etc.), if available:	gg.,,,,				
Surface Water Present?								
Water Table Present?								
Saturation Present? (includes capillary fringe)								
Wetland Hydrology Present?								
Remarks: Hydrology indicators ar								
Remarks. Trydrology maleators ar	e not present.							

		Absolute	Dominant	Indicator	Dominance Test worksheet:
<u>Tree Stratum</u>	(Plot size: <u>30'</u>)	% Cover	Species?	Status	Number of Dominant Species
1		%			that are OBL, FACW, or FAC: 0 (A)
2		<u></u> %			Total Number of Dominant
3		<u></u> %			Species Across All Strata:1_(B)
4		%			Percent of Dominant Species that are OBL, FACW, or FAC: 0% (A/B)
5		%			that are oble, i how, of i ho.
6		%			Prevalence Index worksheet:
7					Total % Cover of: Multiply by:
		0 % =	= Total Cover		
Sapling/Shrub Stratum	(Plot size: <u>15'</u>)				OBL species0 % x 1 =0
	`	0/_			FACW species15 % x 2 =30
1					FAC species <u>2</u> % x 3 = <u>6</u>
3.					FACU species 2 % x 4 = 8
4.		%			UPL species 65 % x 5 = 325
5.		%			Column Totals: <u>84</u> % (A) <u>369</u> (B)
6.		%			
7.		%			Prevalence Index = B/A = 4.39
			= Total Cover		Hydrophytic Vegetation Indicators:
Herb Stratum	(Plot size: 5')				☐ 1 - Rapid Test for Hydrophytic Vegetation
1. Bromus inermis	`	60 %	Υ	UPL	
Elymus virginicus		15 %	N	FACW	2 - Dominance Test is >50%
3. Asclepias syriaca			N	UPL	☐ 3 - Prevalence Index is ≤3.0 ¹
		0.04		FAC	☐ 4 - Morphological Adaptations¹ (Provide
E Ambrosis ortomisiifolis		2.0/		FACU	supporting data in Remarks or on a separate sheet)
6.					☐ Problematic Hydrophytic Vegetation¹ (Explain)
7.					
8		%			Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic
9					
10		%			Definitions of Vegetation Strata:
11		%			Tree – Woody plants 3 in. (7.6 cm) or more in
12		%			diameter at breast height (DBH), regardless of height.
		84 % =	= Total Cover		Sapling/Shrub – Woody plants less than 3 in. DBH
Woody Vine Stratum	(Plot size: <u>30'</u>)				and greater than 3.28 ft (1 m) tall.
1		%			Herb - All herbaceous (non-woody) plants, regardless
2.					of size, and woody plants less than 3.28 ft tall.
3.		%			Woody vine – All woody vines greater than 3.28 ft in
4.					height.
		0 % =	= Total Cover		Hydrophytic Vegetation Present? ☐ Yes ☒ No
Daniel Cartedon Later work and have		Dist	0.0.11	h. Carraga	
Remarks (include photo numbers here	or on a separate sr	<i>ieet)</i> : Photo	C-2. Hydrop	nytic vegeta	ation is not present.

Sampling Point: SP-2

SOIL Sampling Point: SP-2 SP-2

Motrix	epth needed to document the indicator or confirm to Redox Features	the absence of indicators.)
Depth Matrix		
(inches) Color (moist) % 0-12 10YR 4/3 100	Color (moist) % Type ¹ Loc ²	
0-12 10YR 4/3 100		clay loam
·		
		
¹ Type: C=Concentration, D=Depletion, R	M=Reduced Matrix, MS=Masked Sand Grains	² Location: PL=Pore Lining, M=Matrix
Hydric Soil Indicators:		Indicators for Problematic Hydric Soils ³ :
☐ Histosol (A1)	☐ Dark Surface (S7) (LRR R, MLRA 149B)	☐ 2 cm Muck (A10) (LRR K, L, MLRA 149B)
☐ Histic Epipedon (A2)	☐ Polyvalue Below Surface (S8) (MLRA 147, 148)	☐ Coast Prairie Redox (A16) (LRR K, L, R)
☐ Black Histic (A3)	☐ Thin Dark Surface (S9) (LRR R, MLRA 149B)	☐ 5 cm Mucky Peat or Peat (S3) (LRR K, L, R)
☐ Hydrogen Sulfide (A4)	☐ Loamy Mucky Mineral (F1) (LRR K, L)	☐ Dark Surface (S7) (LRR K, L)
☐ Stratified Layers (A5)	☐ Loamy Gleyed Matrix (F2)	☐ Polyvalue Below Surface (S8) (LRR, K, L)
☐ Depleted Below Dark Surface (A11)	☐ Depleted Matrix (F3)	☐ Thin Dark Surface (S9) (LRR, K, L)
☐ Thick Dark Surface (A12)	Redox Dark Surface (F6)	☐ Iron-Manganese Masses (F12) (LRR, K, L)
☐ Sandy Mucky Mineral (S1)	☐ Depleted Dark Surface (F7)	☐ Piedmont Floodplain Soils (F19) (MLRA 149B)
☐ Sandy Gleyed Matrix (S4)	☐ Redox Depressions (F8)	☐ Mesic Spodic (TA6) (MLRA 144A, 145, 149B)
☐ Sandy Redox (S5)		☐ Red Parent Material (F21)
☐ Stripped Matrix (S6)		☐ Very Shallow Dark Surface (TF12)
		☐ Other (Explain in Remarks)
³ Indicators of hydrophytic vegetation and	wetland hydrology must be present, unless disturbed of	r problematic
Restrictive Layer (if observed):		Hydric Soil Present?
Type: gravel	Depth (inches): 12	☐ Yes ☒ No
Remarks: Hydric soil indicators are not p	present.	

Project/Site: Lemoyne-Midway 138 kV Project	City/Cc	unty: Wood County	Sar	mpling Date: <u>8/5/2014</u>
Applicant/Owner: ATSI		State:	Ohio	Sampling Point: SP-3
Investigator(s): Richards, Gutman		Section, Township, Ran	nge: <u>T6N, R12E</u>	:, S15
Landform (hillslope, terrace, etc.) <u>depression</u>	Local relie	ef (concave, convex, non	ne): concave	Slope (%):1
Subregion (LRR or MLRA): L Lat:	41.475739	Long: <u>-83.469</u>		Datum: NAD83
Soil Map Unit Name: Hoytville clay loam, 0 to 1 pe	rcent slopes		NWI Classificati	on: N/A
Are climate/hydrologic conditions on the site typical for	r this time of year?	⊠ Yes □ No (If	no, explain in Re	emarks)
Vegetation Soil H	lydrology			
Significantly Disturbed?	ш	re "Normal Circumstance		Yes No
Naturally Problematic?		(If needed, explain any	y answers in Remari	KS)
SUMMARY OF FINDINGS – Attach site map sh	owing sampling pe	oint locations, transe	ects, important	t features, etc.
Yes	No Remarks : S	ample plot located in PE	M W-3.	
Hydrophytic Vegetation Present?				
Hydric Soil Present?				
Wetland Hydrology Present?				
Is the Sampled Area within a Wetland?				
HYDROLOGY				
Wetland Hydrology Indicators:			Secondary Indica	ators (minimum of two required)
Primary Indicators (minimum of one required; check al	<u>ll that apply)</u>		☐ Surface Soil C	cracks (B6)
,	ater-Stained Leaves (39)	☐ Drainage Patte	erns (B10)
	quatic Fauna (B13)		☐ Moss Trim Lin	ies (B16)
_ ` '	larl Deposits (B15)		☐ Dry-Season W	/ater Table (C2)
	ydrogen Sulfide Odor (☐ Crayfish Burro	ows (C8)
	xidized Rhizospheres	-	☐ Saturation Vis	ible on Aerial Imagery (C9)
_	resence of Reduced Ir			ressed Plants (D1)
	ecent Iron Reduction in		☐ Geomorphic P	,
	hin Muck Surface (C7)		☐ Shallow Aquita	
_	ther (Explain in Remar		☐ Microtopograp	
Sparsely Vegetated Concave Surface (B8)				Test (D5)
		Recorded Data (stream ons, etc.), if available:	gauge, monitorin	ng well, aerial photos, previous
Surface Water Present?		ine, etery, ii aranaerei		
Water Table Present?				
Saturation Present?				
(includes capillary fringe) Wetland Hydrology Present? □				
Remarks: Hydrology indicators C3, D2, and D5 are pr	resent			
remarks. Trydrology indicators C3, D2, and D3 are pr	esent.			

Tree Stratum (Plot size: 30') 1.	% % % %	Dominant Species?		Dominance Test worksheet: Number of Dominant Species that are OBL, FACW, or FAC: 3 (A) Total Number of Dominant Species Across All Strata: 3 (B) Percent of Dominant Species that are OBL, FACW, or FAC: 100% (A/B)
2	% % % % %			that are OBL, FACW, or FAC: 3 (A) Total Number of Dominant Species Across All Strata: 3 (B) Percent of Dominant Species
2.	% % % % %			Species Across All Strata: 3 (B) Percent of Dominant Species
3	% % % %			Percent of Dominant Species
4	% % % %			
5	% %			that are OBL, FACW, or FAC: 100% (A/B)
6	%			
Sapling/Shrub Stratum (Plot size: 15') 1. Cornus alba 2.	<u> </u>			Prevalence Index worksheet:
1. Cornus alba 2.				
1. Cornus alba 2.		= Total Cover		Total % Cover of: Multiply by:
2.				OBL species 20 % x 1 = 20 FACW species 70 % x 2 = 140
2	5 %	Y	FACW	FAC species 0 % x 3 = 0
3.	%			
<u> </u>	%			FACU species15 % x 4 =60
4	%			UPL species0 % x 5 =0
5	%			Column Totals:105 % (A)220(B)
6	<u>%</u>			Prevalence Index = B/A =2.1
7	<u>%</u>			
Llorb Ctroture (Dict size: 51)	<u>5 %</u> =	= Total Cover		Hydrophytic Vegetation Indicators:
Herb Stratum (Plot size: <u>5'</u>)				□ 1 - Rapid Test for Hydrophytic Vegetation
Phragmites australis	60 %		FACW	□ 2 - Dominance Test is >50%
2. Persicaria amphibia	20 %	Y	OBL	3 - Prevalence Index is ≤3.0¹
3. Rubus allegheniensis		N	FACU	4 - Morphological Adaptations ¹ (Provide
Solidago altissima Platanus occidentalis	5 %		FACU	supporting data in Remarks or on a separate sheet)
	5 %		FACW	
6 7	%			☐ Problematic Hydrophytic Vegetation¹ (Explain)
8	%			Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic
9.	%			present, unless disturbed of problematic
10.	%			Definitions of Vegetation Strata:
11.	%			Tree – Woody plants 3 in. (7.6 cm) or more in
2.	%			diameter at breast height (DBH), regardless of height.
Woody Vine Stratum (Plot size: 30')	100 % =	= Total Cover		Sapling/Shrub – Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall.
	21			Herb – All herbaceous (non-woody) plants, regardless
1	%			of size, and woody plants less than 3.28 ft tall.
2	%			Woody vine – All woody vines greater than 3.28 ft in
3	<u>//</u>			height.
		= Total Cover		Hydrophytic Vegetation Present? ☐ Yes ☐ No

SOIL Sampling Point: SP-3

Profile Desc	ription: (Describe t	to the de	epth needed to docu	ment the	indicator or	confirm t	the absence of indicators.)			
Depth	Matrix		_ <u> </u>	Redox Fe			_			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks		
0-12	10YR 4/2	95	10YR 5/6	5		M	clay loam			
12-24	10YR 4/2	93	10YR 5/3	<u>5</u> 2		M M	clay loam			
		-	10YR 5/6			IVI	<u> </u>			
	·									
			<u> </u>							
4										
¹Type: C=Co	oncentration, D=Depl	etion, R	M=Reduced Matrix, M	IS=Maske	ed Sand Grair	าร	² Location: PL=Pore Lining	g, M=Matrix		
Hydric Soil I	ndicators:						Indicators for Problematic Hydr	ric Soils³:		
☐ Histosol (/	A1)		☐ Dark Surface (S7	7) (LRR R	R, MLRA 1491	B)	☐ 2 cm Muck (A10) (LRR K, L, I	MLRA 149B)		
☐ Histic Epip	pedon (A2)		☐ Polyvalue Below	Surface	(S8) (MLRA 1	147, 148)	☐ Coast Prairie Redox (A16) (LF	RR K, L, R)		
☐ Black Hist	tic (A3)		☐ Thin Dark Surfac	e (S9) (L	RR R, MLRA	149B)	☐ 5 cm Mucky Peat or Peat (S3)) (LRR K, L, R)		
☐ Hydrogen	Sulfide (A4)		☐ Loamy Mucky Mi	ineral (F1) (LRR K, L)		Dark Surface (S7) (LRR K, L)			
☐ Stratified	Layers (A5)		☐ Loamy Gleyed M	latrix (F2))		☐ Polyvalue Below Surface (S8)	(LRR, K, L)		
☐ Depleted Below Dark Surface (A11) ☐ Depleted Matrix (F3)							☐ Thin Dark Surface (S9) (LRR,	K, L)		
	k Surface (A12)		☐ Redox Dark Surf					☐ Iron-Manganese Masses (F12) (LRR, K, L)		
	ıcky Mineral (S1)		☐ Depleted Dark S		7)		☐ Piedmont Floodplain Soils (F1			
-	eyed Matrix (S4)		☐ Redox Depression	ons (F8)			☐ Mesic Spodic (TA6) (MLRA 14	44A, 145, 149B)		
☐ Sandy Re							Red Parent Material (F21)			
☐ Stripped N	Matrix (S6)						☐ Very Shallow Dark Surface (T	F12)		
							☐ Other (Explain in Remarks)			
³ Indicators of	hydrophytic vegetati	on and	wetland hydrology mu	st be pre	sent, unless o	disturbed o	or problematic			
Restrictive L	ayer (if observed):						Hydric Soil Present?			
Туре:			Depth (inches):	-			⊠ Yes □ No			
Remarks: H	ydric soil indicator F3	3 is pres	ent.							

Project/Site: Lemoyne-Midway 1	38 kV Project		City/County: _	Wood County		Sampling Date: 8/5	5/2014
Applicant/Owner: ATSI				State:	Ohio	Sampling Point:	SP-4
Investigator(s): Richards, Gutm	nan		Section	, Township, Rang	e: T6N, F	 R12E, S15	
Landform (hillslope, terrace, etc.)	terrace		Local relief (conca			Slope (%)	: 0
Subregion (LRR or MLRA): L		Lat: 41.4757		.ong: -83.46910		Datum: NAD8	
,	clay loam, 0 to					ication: N/A	
Are climate/hydrologic conditions	•				no, explain i	·	
			roiyeai: 🖂 ies	□ NO (# f	ιο, εχριαιτ ι	Titemarks)	
~_	tation Soil	Hydrology □	Are "Norn	nal Circumstances	s" present?	⊠ Yes □ No	
			(If n	needed, explain any	answers in R	emarks)	
	ttaab sita ms	n chowing c	compling point los	otions transac	oto impor	tant factures ata	
SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.							
I I I I I I I I I I I I I I I I I I I	Ye		Remarks: This is an	n upland plot adjac	cent to PEM	W-3.	
Hydrophytic Vegetation Present?							
Hydric Soil Present?							
Wetland Hydrology Present?							
Is the Sampled Area within a We	etland?						
HYDROLOGY							
Wetland Hydrology Indicators:				<u>S</u>	Secondary Ir	ndicators (minimum of	two required)
Primary Indicators (minimum of or	<u>ne required; ch</u>	eck all that app	oly)		Surface S	oil Cracks (B6)	
☐ Surface Water (A1)		☐ Water-Stair	ned Leaves (B9)		Drainage	Patterns (B10)	
☐ High Water Table (A2)		☐ Aquatic Fa	una (B13)			Lines (B16)	
☐ Saturation (A3)		☐ Marl Depos	sits (B15)		Dry-Seaso	on Water Table (C2)	
☐ Water Marks (B1)		☐ Hydrogen \$	Sulfide Odor (C1)			Burrows (C8)	
☐ Sediment Deposits (B2)			hizospheres on Living			Visible on Aerial Imag	aerv (C9)
☐ Drift Deposits (B3)			of Reduced Iron (C4)			r Stressed Plants (D1)	. , ,
☐ Algal Mat or Crust (B4)		☐ Recent Iron	Reduction in Tilled S			nic Position (D2)	
☐ Iron Deposits (B5)		☐ Thin Muck			_ '	quitard (D3)	
☐ Inundation Visible on Aerial Im	agery (B7)	☐ Other (Exp	lain in Remarks)			graphic Relief (D4)	
☐ Sparsely Vegetated Concave S	Surface (B8)					ral Test (D5)	
		Depth	Describe Record			toring well, aerial phot	os previous
Field Observations:	Yes No	(inches):	inspections, etc.)		gaago,o	normig from, domai priot	, p. 01. 040
Surface Water Present?							
Water Table Present?							
Saturation Present? (includes capillary fringe)							
Wetland Hydrology Present?							
Remarks: Hydrology indicators ar							
Nemarks. Trydrology indicators ar	e not present.						

/EGETATION – Use scientific	c names of plants	Sampling Point: SP-4			
Tree Stratum	(Plot size: <u>30'</u>)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1			Ореспез :		Number of Dominant Species that are OBL, FACW, or FAC: 0 (A)
2.		%			Total Number of Dominant
3		%			Species Across All Strata: 2 (B)
4		%_			Percent of Dominant Species that are OBL, FACW, or FAC: 100% (A/B)
5.					, ,
6					Prevalence Index worksheet:
··			= Total Cover		Total % Cover of: Multiply by:
			- 1 otal 00101		OBL species0% x 1 =0
Sapling/Shrub Stratum	(Plot size: <u>15'</u>)				FACW species 0 % x 2 = 0
					FAC species 0 % x 3 = 0
2		%			
3.		%_			· —
4					UPL species0% x 5 =0
5					Column Totals: <u>85</u> % (A) <u>340</u> (B)
7.		- // %			Prevalence Index = B/A =4
		15 % :	= Total Cover		Hydrophytic Vegetation Indicators
Llowb Ctrotum	(Diet eize, El)				Hydrophytic Vegetation Indicators:
Herb Stratum	(Plot size: <u>5'</u>)				1 - Rapid Test for Hydrophytic Vegetation
			<u>Y</u> N		2 - Dominance Test is >50%
2. Rubus allegheniensis		10 %		FACU	☐ 3 - Prevalence Index is ≤3.0¹
3 4					☐ 4 - Morphological Adaptations¹ (Provide
5.		- / %			supporting data in Remarks or on a separate sheet)
6.		%			☐ Problematic Hydrophytic Vegetation¹ (Explain)
7		%			¹ Indicators of hydric soil and wetland hydrology must be
8		%_			present, unless disturbed or problematic
9		%_			Definitions of Vegetation Strata:
10		%			Definitions of Vegetation Strata.
11 12.		- <u>%</u> %			Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
			= Total Cove		
Woody Vine Stratum	(Plot size: <u>30'</u>)	10 /6	- Total Cove		Sapling/Shrub – Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall.
1		%			Herb – All herbaceous (non-woody) plants, regardless
2		%			of size, and woody plants less than 3.28 ft tall.
3.		0.4			Woody vine – All woody vines greater than 3.28 ft in height.
4					
		0%:	= Total Cover	•	Hydrophytic Vegetation Present? ☐ Yes ☒ No
Remarks (include photo numbers	s here or on a separate s	heet): Photo	C-4. Hydrop	hytic vegeta	ation is not present.

SOIL Sampling Point: SP-4

Profile Desc	ription: (Describe t	to the d	epth needed to docu	ment the	indicator or	confirm t	the absence of indicators.)		
Depth	Matrix		_ <u> </u>	Redox Fe			_		
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks	
0-12	10YR 3/2	95	10YR 5/6	5		M	clay loam		
12-24	10YR 5/2	93	10YR 5/3	<u>5</u> 2		M M	clay loam		
	· ———		10YR 5/6			IVI	<u> </u>		
4									
Type: C=Co	oncentration, D=Depl	etion, R	M=Reduced Matrix, M	IS=Maske	ed Sand Grair	าร	² Location: PL=Pore Lining	g, M=Matrix	
Hydric Soil I	ndicators:						Indicators for Problematic Hydi	ric Soils³:	
☐ Histosol (/	A1)		☐ Dark Surface (S7	7) (LRR R	R, MLRA 1491	B)	☐ 2 cm Muck (A10) (LRR K, L, I	MLRA 149B)	
☐ Histic Epip	pedon (A2)		☐ Polyvalue Below	Surface	(S8) (MLRA 1	147, 148)	☐ Coast Prairie Redox (A16) (LF	RR K, L, R)	
☐ Black Hist	, ,		☐ Thin Dark Surfac	e (S9) (L	RR R, MLRA	149B)	☐ 5 cm Mucky Peat or Peat (S3)) (LRR K, L, R)	
☐ Hydrogen	Sulfide (A4)		☐ Loamy Mucky Mi	ineral (F1) (LRR K, L)		☐ Dark Surface (S7) (LRR K, L)		
☐ Stratified	Layers (A5)		☐ Loamy Gleyed M	latrix (F2))		☐ Polyvalue Below Surface (S8)	(LRR, K, L)	
-	Below Dark Surface	(A11)	☐ Depleted Matrix				☐ Thin Dark Surface (S9) (LRR,		
	k Surface (A12)		Redox Dark Surf				☐ Iron-Manganese Masses (F12		
	ucky Mineral (S1)		☐ Depleted Dark S		7)		Piedmont Floodplain Soils (F19) (MLRA 149B)		
-	eyed Matrix (S4)		☐ Redox Depression	ons (F8)			☐ Mesic Spodic (TA6) (MLRA 14	44A, 145, 149B)	
☐ Sandy Re							Red Parent Material (F21)		
☐ Stripped N	Matrix (S6)						☐ Very Shallow Dark Surface (T	F12)	
							☐ Other (Explain in Remarks)		
³ Indicators of	hydrophytic vegetati	ion and	wetland hydrology mu	st be pre	sent, unless o	disturbed o	or problematic		
Restrictive L	ayer (if observed):						Hydric Soil Present?		
Туре:			Depth (inches):	-			⊠ Yes □ No		
Remarks: H	lydric soil indicator F6	6 is pres	ent.						

Project/Site: Lemoyne-Midway 138 k	«V Project	City/County: Wood County	Sampling Date: <u>8/5/2014</u>				
Applicant/Owner: ATSI		Sta	te: Ohio Sampling Point: SP-5				
Investigator(s): Richards, Gutman		Section, Township, R	ange: T6N, R12E, S15				
	terrace	Local relief (concave, convex, r					
Subregion (LRR or MLRA): L	Lat: 41.4756	 667	3733 Datum: NAD83				
Soil Map Unit Name: Hoytville cla	ly loam, 0 to 1 percent slo	Des	NWI Classification: N/A				
Are climate/hydrologic conditions on t	the site typical for this time	e of year? X Yes No	(If no, explain in Remarks)				
Vegetatio							
Significantly Disturbed?		Are "Normal Circumsta	nces" present? 🛛 Yes 🗌 No				
Naturally Problematic?		(If needed, explain	any answers in Remarks)				
SUMMARY OF FINDINGS – Attac	ch site man showing s	sampling point locations, tran	sects, important features, etc.				
Johnny C. Thibuto Audi	Yes No		djacent to W-4 located in an agricultural field.				
Hydrophytic Vegetation Present?		Nemarks. This is all upland plot a	ujaceni to W-4 located in an agricultural neid.				
Hydric Soil Present?							
Wetland Hydrology Present?							
Is the Sampled Area within a Wetla							
is the Sampled Area within a Wetla	nd? □ ⊠						
HYDROLOGY							
Wetland Hydrology Indicators:			Secondary Indicators (minimum of two required)				
Primary Indicators (minimum of one r	equired; check all that app	<u>oly)</u>	☐ Surface Soil Cracks (B6)				
☐ Surface Water (A1)	☐ Water-Stai	ned Leaves (B9)	☐ Drainage Patterns (B10)				
☐ High Water Table (A2)	☐ Aquatic Fa	una (B13)	☐ Moss Trim Lines (B16)				
☐ Saturation (A3)	☐ Dry-Season Water Table (C2)						
☐ Water Marks (B1)	☐ Crayfish Burrows (C8)						
☐ Sediment Deposits (B2)	☐ Oxidized R	hizospheres on Living Roots (C3)	on Living Roots (C3) Saturation Visible on Aerial Imagery (C9)				
☐ Drift Deposits (B3)	☐ Presence of	of Reduced Iron (C4)	☐ Stunted or Stressed Plants (D1)				
☐ Algal Mat or Crust (B4)	☐ Recent Iro	n Reduction in Tilled Soils (C6)	☐ Geomorphic Position (D2)				
☐ Iron Deposits (B5)	☐ Thin Muck		☐ Shallow Aquitard (D3)				
☐ Inundation Visible on Aerial Image		lain in Remarks)	☐ Microtopographic Relief (D4)				
☐ Sparsely Vegetated Concave Surf		,	☐ FAC-Neutral Test (D5)				
. , , ,	Depth	Describe Recorded Data (stres	am gauge, monitoring well, aerial photos, previous				
Field Observations: Yes		inspections, etc.), if available:	am gauge, montoring well, aerial protes, previous				
Surface Water Present?	<u> </u>	, ,					
Water Table Present? □							
Saturation Present?							
(includes capillary fringe)	1 57						
Wetland Hydrology Present?							
Remarks: Hydrology indicators are n	ot present.						

t worksheet: nant Species ACW, or FAC:		
ACW, or FAC:		
All Strata:1_(B) nant Species ACW, or FAC:0%_(A/B) Ex worksheet: ver of:0 Multiply by: 0 %		
mant Species ACW, or FAC:		
ACW, or FAC:		
Multiply by:		
wer of: Multiply by: 0% x 1 = 0 0% x 2 = 0 0% x 3 = 0 0% x 4 = 0 2% x 5 = 10 2% (A) 10 (B) ex = B/A = 5 getation Indicators: st for Hydrophytic Vegetation se Test is >50%		
Multiply by:		
0% x1 = 0 0% x2 = 0 0% x3 = 0 0% x4 = 0 2% x5 = 10 2% (A) 10 (B) ex = B/A = 5 getation Indicators: at for Hydrophytic Vegetation be Test is >50%		
0% x 2 = 0 0% x 3 = 0 0% x 4 = 0 2% x 5 = 10 2% (A) 10 (B) ex = B/A = 5 getation Indicators: at for Hydrophytic Vegetation the Test is >50%		
0% x3 = 0 0% x4 = 0 2% x5 = 10 2% (A) 10 (B) ex = B/A = 5 getation Indicators: at for Hydrophytic Vegetation the Test is >50%		
0 % x 4 = 0 2 % x 5 = 10 2 % (A) 10 (B) ex = B/A = 5 getation Indicators: at for Hydrophytic Vegetation the Test is >50%		
2 % x 5 = 10 2 % (A) 10 (B) ex = B/A = 5 getation Indicators: at for Hydrophytic Vegetation the Test is >50%		
2 % (A) 10 (B) ex = B/A = 5 getation Indicators: et for Hydrophytic Vegetation ee Test is >50%		
getation Indicators: st for Hydrophytic Vegetation se Test is >50%		
getation Indicators: et for Hydrophytic Vegetation ee Test is >50%		
getation Indicators: et for Hydrophytic Vegetation ee Test is >50%		
et for Hydrophytic Vegetation ee Test is >50%		
re Test is >50%		
e Index is <3 01		
0 11100A 10 =0.0		
gical Adaptations ¹ (Provide		
supporting data in Remarks or on a separate sheet)		
Hydrophytic Vegetation ¹ (Explain)		
c soil and wetland hydrology must be turbed or problematic		
tarbed of problematic		
egetation Strata:		
ints 3 in. (7.6 cm) or more in		
t height (DBH), regardless of height.		
Woody plants less than 3 in. DBH 3.28 ft (1 m) tall.		
eous (non-woody) plants, regardless		
y plants less than 3.28 ft tall.		
woody vines greater than 3.28 ft in		
woody vines greater than 3.20 it in		
etation Present? Yes No		
c d		

SOIL Sampling Point: SP-5

Profile Descri	ption: (Describe to the	depth needed to docu	ment the i	ndicator or co	onfirm ti	he absence of indicators.)	
Depth _	Matrix	<u> </u>	Redox Feat	ures		_	
(inches)	Color (moist) %	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-12	10YR 3/2 80	10YR 4/2	20	D	М	clay loam	
	· ·		-				
		_				·	
-			-				·
	<u> </u>		-				
¹ Type: C=Con	centration, D=Depletion, F	RM=Reduced Matrix, M	IS=Masked	Sand Grains		² Location: PL=Pore Lining, N	1=Matrix
Hydric Soil Inc	dicators:					Indicators for Problematic Hydric	Soils ³ :
☐ Histosol (A1		☐ Dark Surface (S	7) (LRR R.	MLRA 149B)		2 cm Muck (A10) (LRR K, L, MLF	RA 149B)
☐ Histic Epipe	,	☐ Polyvalue Below			7. 148)	☐ Coast Prairie Redox (A16) (LRR	,
☐ Black Histic	, ,	☐ Thin Dark Surfac				☐ 5 cm Mucky Peat or Peat (S3) (L	-
☐ Hydrogen S	, ,	☐ Loamy Mucky M			,	☐ Dark Surface (S7) (LRR K, L)	, ,
☐ Stratified La		☐ Loamy Gleyed M	fatrix (F2)	,		☐ Polyvalue Below Surface (S8) (LI	RR, K, L)
	elow Dark Surface (A11)	☐ Depleted Matrix				☐ Thin Dark Surface (S9) (LRR, K,	•
☐ Thick Dark	Surface (A12)	Redox Dark Surf	ace (F6)			☐ Iron-Manganese Masses (F12) (L	.RR, K, L)
☐ Sandy Mucl	ky Mineral (S1)	☐ Depleted Dark S	urface (F7)			☐ Piedmont Floodplain Soils (F19)	(MLRA 149B)
☐ Sandy Gley	☐ Sandy Gleyed Matrix (S4) ☐ Redox Depressions (F8)					☐ Mesic Spodic (TA6) (MLRA 144A	i, 145, 149B)
☐ Sandy Redo	ox (S5)					☐ Red Parent Material (F21)	
☐ Stripped Ma	atrix (S6)					☐ Very Shallow Dark Surface (TF12	<u>?</u>)
						☐ Other (Explain in Remarks)	
³ Indicators of h	ydrophytic vegetation and	wetland hydrology mu	st be prese	ent, unless dist	urbed or	r problematic	
Restrictive La	yer (if observed):					Hydric Soil Present?	
Type: cor	npact soil	Depth (inches):	12			☐ Yes No	
	hydric soil indicators are t			ack of redox co	ncentra	tions, F7 is not met because redox de	nletions need
to have a value		resent. For lot flot flot		don or redox or	onoonia	mone, i / ie net met bedaase reaex de	pictions need

Project/Site: Lemoyne-Midway	138 kV Project		City/County: Wood County Sampling Date: 8/5/2014	
Applicant/Owner: ATSI			State: Ohio Sampling Point: SP-6	
Investigator(s): Richards, Gut	man		Section, Township, Range: T6N, R12E, S18	
Landform (hillslope, terrace, etc.) depressio	n	Local relief (concave, convex, none): concave Slope (%): 1	
Subregion (LRR or MLRA): L		Lat: 41.475		
,	e clav loam. 0	to 1 percent slo		
Are climate/hydrologic conditions	-			
Veg Significantly Disturbed?	etation So □ □	. , _ ;,	y Are "Normal Circumstances" present? ☐ Yes ☐ No	
Naturally Problematic?			(If needed, explain any answers in Remarks)	
		_	sampling point locations, transects, important features, etc.	
SUMMAKT OF FINDINGS - A			T	
11 december (1- Manadation Propositi		′es No ⊠ □	Remarks: Sample plot located in PEM W-4.	
Hydrophytic Vegetation Present?				
Hydric Soil Present?				
Wetland Hydrology Present?				
Is the Sampled Area within a V	/etland?			
HYDROLOGY				
Wetland Hydrology Indicators:			Secondary Indicators (minimum of two requ	uired)
Primary Indicators (minimum of	one required; c	:heck all that ap	oply) Surface Soil Cracks (B6)	
☐ Surface Water (A1)		☐ Water-Stai	ained Leaves (B9) ☐ Drainage Patterns (B10)	
☐ High Water Table (A2)		☐ Aquatic Fa		
☐ Saturation (A3)		osits (B15)		
☐ Water Marks (B1)		n Sulfide Odor (C1)		
☐ Sediment Deposits (B2)			Rhizospheres on Living Roots (C3) Saturation Visible on Aerial Imagery (C9))
☐ Drift Deposits (B3)			e of Reduced Iron (C4) Stunted or Stressed Plants (D1)	,
☐ Algal Mat or Crust (B4)		☐ Recent Iro	on Reduction in Tilled Soils (C6) Geomorphic Position (D2)	
☐ Iron Deposits (B5)			k Surface (C7) Shallow Aquitard (D3)	
☐ Inundation Visible on Aerial Ir	nagery (B7)	☐ Other (Exp	cplain in Remarks)	
☐ Sparsely Vegetated Concave	Surface (B8)		☐ FAC-Neutral Test (D5)	
		Depth	Describe Recorded Data (stream gauge, monitoring well, aerial photos, prev	ious
Field Observations:	Yes No	(inches):	inspections, etc.), if available:	1000
Surface Water Present?			_	
Water Table Present?			_	
Saturation Present? (includes capillary fringe)			_	
Wetland Hydrology Present?				
		E oro propont		
Remarks: Hydrology indicators	310, D2, and L	o are present.		

2	er Species? Species. Spe		Dominance Test worksheet: Number of Dominant Species that are OBL, FACW, or FAC: 1 (A) Total Number of Dominant Species Across All Strata: 1 (B) Percent of Dominant Species that are OBL, FACW, or FAC: 100% (A/B) Prevalence Index worksheet: Total % Cover of: Multiply by:		
1.	Total Cover		that are OBL, FACW, or FAC: 1 (A) Total Number of Dominant Species Across All Strata: 1 (B) Percent of Dominant Species that are OBL, FACW, or FAC: 100% (A/B) Prevalence Index worksheet:		
2	= Total Cover		Total Number of Dominant Species Across All Strata: Percent of Dominant Species that are OBL, FACW, or FAC: 1 (B) Prevalence Index worksheet:		
3.	= Total Cover		Species Across All Strata: 1 (B) Percent of Dominant Species that are OBL, FACW, or FAC: 100% (A/B) Prevalence Index worksheet:		
4	= Total Cover		Percent of Dominant Species that are OBL, FACW, or FAC: 100% (A/B) Prevalence Index worksheet:		
5. % 6. % 7. % Sapling/Shrub Stratum (Plot size: 15') 1. % 2. % 3. % 4. %	Total Cover		that are OBL, FACW, or FAC: 100% (A/B) Prevalence Index worksheet:		
6	= Total Cover				
7.	= Total Cover				
Sapling/Shrub Stratum (Plot size: 15') 1. % 2. % 3. % 4. %	_= Total Cover		Total % Cover of: Multiply by:		
Sapling/Shrub Stratum (Plot size: 15') 1. % 2. % 3. % 4. %	<u> </u>	•	indiciply by:		
1.	<u> </u>				
1.)		OBL species0 % x 1 =0		
2. % 3. % 4. %			FACW species100 % x 2 =200		
3			FAC species0 % x 3 =0		
4			FACU species 5 % x 4 =20		
4			UPL species 0 % x 5 = 0		
5					
5			Column Totals:105 % (A)220(B)		
6			Prevalence Index = B/A = 2.1		
	= Total Cover		Hydrophytic Vegetation Indicators:		
Herb Stratum (Plot size: <u>5'</u>)			□ 1 - Rapid Test for Hydrophytic Vegetation		
1. Phalaris arundinacea 100 %	<u>Y</u>	FACW			
	N				
	<u> </u>		□ 3 - Prevalence Index is ≤3.0¹		
4			4 - Morphological Adaptations ¹ (Provide		
5	<u> </u>		supporting data in Remarks or on a separate sheet)		
6	<u> </u>		☐ Problematic Hydrophytic Vegetation¹ (Explain)		
7	<u> </u>				
8)		Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic		
9)				
10	<u> </u>		Definitions of Vegetation Strata:		
11	<u> </u>		Tree – Woody plants 3 in. (7.6 cm) or more in		
12	<u> </u>		diameter at breast height (DBH), regardless of height.		
	_= Total Cover		Sapling/Shrub – Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall.		
Woody Vine Stratum (Plot size: 30')					
	<u> </u>		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.		
2					
3	<u> </u>		Woody vine – All woody vines greater than 3.28 ft in height.		
4			neight.		
	= Total Cover		Hydrophytic Vegetation Present? ⊠ Yes ☐ No		

SOIL Sampling Point: SP-6 SP-6

Profile Desc	ription: (Describe to th	e depth neede	d to document	the indicator o	r confirm	the absence of indicators.)			
Depth	Matrix		Redox	Features					
(inches)	Color (moist)	% Color (moist) %	Type ¹	Loc ²	_ Texture	Remarks		
0-12	10YR 3/2	95 10YF	R 5/6 5	С	М	clay loam			
12-24	10YR 5/2	96 10YF	R 5/3 2	C	M	clay loam			
		10 Y	R 5/6 2	C	M				
					. —				
¹Type: C=Co	oncentration, D=Depletion	. RM=Reduced	Matrix MS=Ma	sked Sand Grai	ins	- ² Location: PL=Pore Lining	n. M=Matrix		
Hydric Soil I		.,				Indicators for Problematic Hydr			
			((07) / D	D D MI DA 440	· D \				
Histosol (A	,		urface (S7) (LRI		•	2 cm Muck (A10) (LRR K, L, MLRA 149B)			
☐ Histic Epip			lue Below Surfac			☐ Coast Prairie Redox (A16) (LRR K, L, R) ☐ 5 cm Mucky Peat or Peat (S3) (LRR K, L, R)			
☐ Black Histic (A3) ☐ Thin Dark Surface (S9) (LRR R, MLRA 149B)									
☐ Hydrogen Sulfide (A4) ☐ Loamy Mucky Mineral (F1) (LRR K, L)						☐ Dark Surface (S7) (LRR K, L)			
☐ Stratified Layers (A5) ☐ Loamy Gleyed Matrix (F2)						☐ Polyvalue Below Surface (S8)	, , , ,		
☐ Depleted Below Dark Surface (A11) ☐ Depleted Matrix (F3)						☐ Thin Dark Surface (S9) (LRR,	•		
☐ Thick Dark Surface (A12) ☐ Redox Dark Surface (F6)						☐ Iron-Manganese Masses (F12			
☐ Sandy Mucky Mineral (S1) ☐ Depleted Dark Surface (F7)						☐ Piedmont Floodplain Soils (F1	, ,		
☐ Sandy Gleyed Matrix (S4) ☐ Redox Depressions (F8)						☐ Mesic Spodic (TA6) (MLRA 14	14A, 145, 149B)		
☐ Sandy Re						Red Parent Material (F21)			
☐ Stripped N	Matrix (S6)					☐ Very Shallow Dark Surface (TF12)			
☐ Other (Explain in Remarks)									
³ Indicators of	hydrophytic vegetation a	ind wetland hyd	rology must be p	oresent, unless	disturbed o	or problematic			
Restrictive Layer (if observed):						Hydric Soil Present?			
Туре:		Depth	(inches):			⊠ Yes □ No			
Remarks: H	ydric soil indicator F6 is p	present.							

Project/Site: Lemoyne-Midway 1	38 kV Project		City/County:	Wood County	Sa	ampling Date: <u>8/5/2014</u>	
Applicant/Owner: ATSI				State:	Ohio	Sampling Point: SP-7	
Investigator(s): Richards, Gutman Section, Township, Range: T6N, R12E, S18							
Landform (hillslope, terrace, etc.)	depression		Local relief (cond	ave, convex, non	e): concave	Slope (%):1	
Subregion (LRR or MLRA): L		Lat: 41.4758	348	Long: <u>-83.5263</u>	63	Datum: NAD83	
Soil Map Unit Name: Hoytville	clay loam, 0 to	o 1 percent slop	oes		NWI Classifica	ation: N/A	
Are climate/hydrologic conditions	on the site typi	cal for this time	e of year?	s □ No (If	no, explain in F	Remarks)	
	tation Soil	Hydrology		_ ,	.,	,	
<u> </u>			Are "Nor	mal Circumstance	es" present?	⊠ Yes □ No	
Naturally Problematic?			(If	needed, explain any	y answers in Rem	arks)	
SUMMARY OF FINDINGS – A	ttach site ma	ap showing s	sampling point lo	cations, transe	ects, importa	nt features, etc.	
	Ye		Remarks: Sample				
Hydrophytic Vegetation Present?	\boxtimes		•	•			
Hydric Soil Present?	\boxtimes						
Wetland Hydrology Present?	\boxtimes						
Is the Sampled Area within a W	etland?						
HYDROLOGY							
Wetland Hydrology Indicators:					Secondary India	cators (minimum of two required)	
Primary Indicators (minimum of o	ne reauired: ch	eck all that app	olv)		•	• •	
☐ Surface Water (A1)			ned Leaves (B9)		☐ Surface Soil Cracks (B6)☒ Drainage Patterns (B10)		
☐ High Water Table (A2)		☐ Aquatic Fa	, ,		☐ Moss Trim Lines (B16)		
☐ Saturation (A3)			☐ Dry-Season Water Table (C2)				
 ☐ Water Marks (B1) ☐ Hydrogen Sulfide Odor (C1) ☐ Crayfish Burrows (C8) ☐ Sediment Deposits (B2) ☐ Oxidized Rhizospheres on Living Roots (C3) ☐ Saturation Visible on Aerial Imagery (Carried Property of Carried Property (Carried Property (C							
☐ Drift Deposits (B3) ☐ Presence of Reduced Iron (C4) ☐ Stunted or Stressed Plants (D1)							
☐ Algal Mat or Crust (B4)			☐ Geomorphic Position (D2)				
☐ Iron Deposits (B5)	☐ Thin Muck			☐ Shallow Aqu	, ,		
☐ Inundation Visible on Aerial Im	lain in Remarks)						
☐ Sparsely Vegetated Concave Surface (B8) ☐ FAC-Neutral Test (D5)							
		Depth	Describe Recor	ded Data (stream	gauge, monitor	ring well, aerial photos, previous	
Field Observations:	Yes No	(inches):	inspections, etc		gg-,		
Surface Water Present?							
Water Table Present?							
Saturation Present? (includes capillary fringe)							
Wetland Hydrology Present?							
Remarks: Hydrology indicators B	 10, D2, and D5	are present.	I				
,							

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in

Case No(s). 17-1566-EL-BLN

Summary: Application (Part 10) Exhibit 6-2 for the Dowling-Midway 138kV Transmission Line Reconductor Project filed by FirstEnergy, S. Humphrys electronically filed by Docketing Staff on behalf of Docketing