Appendix B

Routine Wetland Determination Forms

Project/Site: Mohawk Solar	City/County: Marshville/ Mongtomery Sampling Date: 11/12/18				
Applicant/Owner: Avantgrid	State: NY Sampling Point: w@wetRespansion				
Investigator(s): B. Roosa, R. Wojcikiewicz	Section, Township, Range: Canajoharie				
Landform (hillside, terrace, etc.): Swale	Local relief (concave, convex, none): Concave Slope %: 0				
Subregion (LRR or MLRA): LRR R, MLRA 144A Lat	t: <u>42.875078</u> Long: <u>-74.628594</u> Datum: <u>NAD83</u>				
Soil Map Unit Name: Fluvaquents	NWI classification: PEM				
Are climatic / hydrologic conditions on the site typical for	or this time of year? Yes X No (If no, explain in Remarks.)				
Are Vegetation, Soil, or Hydrology	significantly disturbed? Are "Normal Circumstances" present? Yes X No				
Are Vegetation, Soil, or Hydrology	naturally problematic? (If needed, explain any answers in Remarks.)				
SUMMARY OF FINDINGS – Attach site ma	ap showing sampling point locations, transects, important features, etc.				
Hydrophytic Vegetation Present? Yes X	No Is the Sampled Area				
Hydric Soil Present? Yes x	No within a Wetland? Yes X No				
Wetland Hydrology Present? Yes X	No If yes, optional Wetland Site ID:				
Remarks: (Explain alternative procedures here or in a	separate report.)				

Wetland Hydrology Indicators:			Secondary Indicators (minimum of two required)	
Primary Indicators (minimum of one is require	Surface Soil Cracks (B6)			
X Surface Water (A1)	X Drainage Patterns (B10)			
X 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)	Oxidized Rhizospheres on Living Ro	oots (C3)	Saturation Visible on Aerial Imagery (C9)	
Drift Deposits (B3)	Presence of Reduced Iron (C4)		Stunted or Stressed Plants (D1)	
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soils	s (C6)	Geomorphic Position (D2)	
Iron Deposits (B5)	Thin Muck Surface (C7)		Shallow Aquitard (D3)	
Inundation Visible on Aerial Imagery (B7	Other (Explain in Remarks)		Microtopographic Relief (D4)	
Sparsely Vegetated Concave Surface (B	8)		X FAC-Neutral Test (D5)	
Field Observations:				
Surface Water Present? Yes X	No Depth (inches): 2			
Water Table Present? Yes X	No Depth (inches): 0			
Saturation Present? Yes X	No Depth (inches): 0	Wetlan	d Hydrology Present? Yes X No	
(in cloud on constituence friends)	ludes capillary fringe)			
(includes capillary fringe)				
(Includes capillary fringe) Describe Recorded Data (stream gauge, mor	nitoring well, aerial photos, previous inspe	ctions), if a	available:	
· · · · · · · · · · · · · · · · · · ·	nitoring well, aerial photos, previous inspe	ctions), if a	available:	
· · · · · · · · · · · · · · · · · · ·	nitoring well, aerial photos, previous inspe	ctions), if a	available:	
· · · · · · · · · · · · · · · · · · ·	nitoring well, aerial photos, previous inspe	ctions), if a	available:	
Describe Recorded Data (stream gauge, mor	nitoring well, aerial photos, previous inspe	ctions), if a	available:	
Describe Recorded Data (stream gauge, mor	nitoring well, aerial photos, previous inspe	ctions), if a	available:	
Describe Recorded Data (stream gauge, mor	nitoring well, aerial photos, previous inspe	ctions), if a	available:	
Describe Recorded Data (stream gauge, mor	nitoring well, aerial photos, previous inspe	ctions), if a	available:	
Describe Recorded Data (stream gauge, mor	nitoring well, aerial photos, previous inspe	ctions), if a	available:	
Describe Recorded Data (stream gauge, mor	nitoring well, aerial photos, previous inspe	ctions), if a	available:	
Describe Recorded Data (stream gauge, mor	nitoring well, aerial photos, previous inspe	ctions), if a	available:	
Describe Recorded Data (stream gauge, mor	nitoring well, aerial photos, previous inspe	ctions), if a	available:	

Sampling Point: @wetRexpansi

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1				Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)
3. 4.				Total Number of Dominant Species Across All Strata: 1 (B)
5. 6.				Percent of Dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B)
7.				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15)				OBL species 20 x 1 = 20
1				FACW species 85 x 2 = 170
2.				FAC species $0 \times 3 = 0$
3.				FACU species 45 x 4 = 180
4				UPL species 5 x 5 = 25
5				Column Totals: 155 (A) 395 (B)
6				Prevalence Index = $B/A = 2.55$
7.				Hydrophytic Vegetation Indicators:
··		=Total Cover		
Horb Stratum (Distaire) 5				1 - Rapid Test for Hydrophytic Vegetation X 2 - Dominance Test is >50%
Herb Stratum (Plot size: 5)	00	Mar	EA 014/	
1. Phalaris arundinacea	80	Yes	FACW	X 3 - Prevalence Index is $\leq 3.0^{1}$
2. Phleum pratense	20	No	FACU	4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
3. Juncus effusus	10	No	OBL	
4. Carex lurida	10	No	OBL	Problematic Hydrophytic Vegetation ¹ (Explain)
5. Galium mollugo	20	No	FACU	¹ Indicators of hydric soil and wetland hydrology must
6. Vicia cracca	5	No	UPL	be present, unless disturbed or problematic.
7. Trifolium pratense	5	No	FACU	Definitions of Vegetation Strata:
8. Onoclea sensibilis	5	No	FACW	Tree – Woody plants 3 in. (7.6 cm) or more in
9				diameter at breast height (DBH), regardless of height.
10				Sapling/shrub – Woody plants less than 3 in. DBH
11				and greater than or equal to 3.28 ft (1 m) tall.
12.				Herb – All herbaceous (non-woody) plants, regardless
	155	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30)				Weedu vince All weedu vince greater than 2.29 ft in
1				Woody vines – All woody vines greater than 3.28 ft in height.
2.				
3.				Hydrophytic
				Vegetation Present? Yes X No
4		=Total Cover		
Remarks: (Include photo numbers here or on a sepa				
Tremarks. (include photo numbers here of on a sepa	arate sheet.)			

Depth	Matrix	to the de		x Featur		ILUF OF C	onfirm the absence o	or multators.
(inches)	Color (moist)	%	Color (moist)	% N	Type ¹	Loc ²	Texture	Remarks
0-16	10YR 4/2	97	10YR 4/6		<u> </u>	М		Prominent redox concentrations
0-10	101R 4/2	97	101K 4/0	3	<u> </u>	IVI	Loamy/Clayey	
¹ Type C=C	oncentration, D=Depl	etion R	M=Reduced Matrix M	IS=Mas	ked Sand	Grains	² Location: F	PL=Pore Lining, M=Matrix.
Hydric Soil								for Problematic Hydric Soils ³ :
Histosol			Polyvalue Belo	w Surfa	ce (S8) (I	LRR R,		uck (A10) (LRR K, L, MLRA 149B)
Histic Ep	pipedon (A2)		MLRA 149B)			Coast F	Prairie Redox (A16) (LRR K, L, R)
Black Hi	istic (A3)		Thin Dark Surfa	ace (S9) (LRR R,	, MLRA [·]	149B) 5 cm M	ucky Peat or Peat (S3) (LRR K, L, R)
Hydroge	en Sulfide (A4)		High Chroma S	Sands (S	611) (LRF	R K, L)	Polyvalı	ue Below Surface (S8) (LRR K, L)
	d Layers (A5)		Loamy Mucky			R K, L)		ark Surface (S9) (LRR K, L)
	d Below Dark Surface	e (A11)	Loamy Gleyed		(F2)			nganese Masses (F12) (LRR K, L, R)
	ark Surface (A12)		X Depleted Matri		-0)			nt Floodplain Soils (F19) (MLRA 149B)
	Aucky Mineral (S1)		Redox Dark Su	•	,			Spodic (TA6) (MLRA 144A, 145, 149B)
	Bleyed Matrix (S4)		Depleted Dark Redox Depress					rent Material (F21) nallow Dark Surface (F22)
	Redox (S5) I Matrix (S6)		Marl (F10) (LR	``	0)			Explain in Remarks)
	rface (S7)			κ κ, ε <i>)</i>				
³ Indicators o	f hvdrophvtic vegetat	ion and v	vetland hvdrologv mu	ust be pi	resent. ur	nless dist	turbed or problematic.	
	Layer (if observed):		, , , , , , , , , , , , , , , , , , , ,		,			
Type:	N/A	١						
Depth (i	nches):						Hydric Soil Prese	ent? Yes X No
Remarks:	/						,	
	m is revised from No	rthcentra	al and Northeast Regi	ional Su	Ipplement	t Version	2.0 to include the NR	CS Field Indicators of Hydric Soils,
	2015 Errata. (http://w							,

Project/Site: Mohawk Solar	City/County: Marshville/ Mongtomery Sampling Date: 8/24/2					
Applicant/Owner: Avantgrid	State: NY Sampling Point: ugwetReepansion					
Investigator(s): B. Roosa, R. Wojcikiewicz	Section, Township, Range: Canajoharie					
Landform (hillside, terrace, etc.): Mound Loca	al relief (concave, convex, none): <u>Convex</u> Slope %: <u>0</u>					
Subregion (LRR or MLRA): LRR R, MLRA 144A Lat: 42.87505	Long: <u>-74.628615</u> Datum: <u>NAD83</u>					
Soil Map Unit Name: Fluvaquents	NWI classification: N/A					
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes X No (If no, explain in Remarks.)					
Are Vegetation, Soil, or Hydrologysignificantly dist	urbed? Are "Normal Circumstances" present? Yes X No					
Are Vegetation, Soil, or Hydrologynaturally problem	natic? (If needed, explain any answers in Remarks.)					
SUMMARY OF FINDINGS – Attach site map showing sa	mpling point locations, transects, important features, etc.					

Hydrophytic Vegetation Present?	Yes	No X	Is the Sampled Area				
Hydric Soil Present?	Yes	No X	within a Wetland? Yes No X				
Wetland Hydrology Present?	Yes	No X	If yes, optional Wetland Site ID:				
Remarks: (Explain alternative procedures here or in a separate report.)							

Wetland Hydrology Indicators:		Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one	is 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)	Oxidized Rhizospheres on Living R	Roots (C3) Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3)	Presence of Reduced Iron (C4)	Stunted or Stressed Plants (D1)
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soil	ils (C6) Geomorphic Position (D2)
Iron Deposits (B5)	Thin Muck Surface (C7)	Shallow Aquitard (D3)
Inundation Visible on Aerial Ima	agery (B7) Other (Explain in Remarks)	Microtopographic Relief (D4)
Sparsely Vegetated Concave S	urface (B8)	FAC-Neutral Test (D5)
Field Observations:		
Surface Water Present? Yes	No X Depth (inches):	
Water Table Present? Yes	No X Depth (inches):	
Saturation Present? Yes	No X Depth (inches):	Wetland Hydrology Present? Yes No X
(includes capillary fringe)		
Describe Recorded Data (stream ga	auge, monitoring well, aerial photos, previous inspe	pections), if available:
Remarks:		

Sampling Point: @wetRexpansi

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:	
1		·		Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A))
3 4		·		Total Number of Dominant Species Across All Strata: 2 (B))
5. 6.				Percent of Dominant Species That Are OBL, FACW, or FAC: 0.0% (A/	/B)
7.				Prevalence Index worksheet:	
		=Total Cover		Total % Cover of: Multiply by:	
Sapling/Shrub Stratum (Plot size: 15)				OBL species 0 x 1 = 0	
1				FACW species 10 x 2 = 20	
2.				FAC species 0 x 3 = 0	
3.				FACU species 110 x 4 = 440	
4.				UPL species 25 x 5 = 125	
5.				Column Totals: 145 (A) 585 ((B)
6.				Prevalence Index = B/A = 4.03	
7.				Hydrophytic Vegetation Indicators:	
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation	
Herb Stratum (Plot size: 5)				2 - Dominance Test is >50%	
1. Phleum pratense	35	Yes	FACU	3 - Prevalence Index is ≤3.0 ¹	
2. Phalaris arundinacea	10	No	FACW	4 - Morphological Adaptations ¹ (Provide support	ting
3. Poa pratensis	40	Yes	FACU	data in Remarks or on a separate sheet)	-
4. Galium mollugo	25	No	FACU	Problematic Hydrophytic Vegetation ¹ (Explain)	
5. Vicia cracca	15	No	UPL		
6. Taraxacum officinale	10	No	FACU	¹ Indicators of hydric soil and wetland hydrology mus be present, unless disturbed or problematic.	st
7. Pastinaca sativa	10	No	UPL	Definitions of Vegetation Strata:	
8.				-	
9.				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height	ht.
10 11		·		Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.	I
12	145	=Total Cover		Herb – All herbaceous (non-woody) plants, regardle of size, and woody plants less than 3.28 ft tall.	ess
Woody Vine Stratum (Plot size: 30)				Woody vines – All woody vines greater than 3.28 ft	t in
1		·		height.	
2		·		Hydrophytic	
3				Vegetation	
4		=Total Cover		Present? Yes <u>No X</u>	
Remarks: (Include photo numbers here or on a sepa	arate sheet)	-		J	

Depth	Matrix			x Featur			onfirm the absence of	- ,	
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Ren	narks
	· · · ·				<u></u>				
0-16	10YR 4/2	100					Loamy/Clayey		
		·							
		. <u> </u>							
		·							
		·							
4		·							
	oncentration, D=Dep	letion, RN	Reduced Matrix, N	/IS=Mas	ked Sand	d Grains.		=Pore Lining, M=I	
Hydric Soil I								Problematic Hy	
Histosol			Polyvalue Belo		ce (S8) (I	LRR R,		k (A10) (LRR K, I	-
	pipedon (A2)		MLRA 149B	,				iirie Redox (A16) (
Black Hi			Thin Dark Surf					ky Peat or Peat (S	
	n Sulfide (A4)		High Chroma S					Below Surface (S	
	l Layers (A5)		Loamy Mucky			R K, L)		Surface (S9) (LR	
	Below Dark Surface	e (A11)	Loamy Gleyed		F2)			janese Masses (F	
	ark Surface (A12)		Depleted Matri					Floodplain Soils (
	lucky Mineral (S1)		Redox Dark Su		-			odic (TA6) (MLRA	144A, 145, 149B
	leyed Matrix (S4)		Depleted Dark					nt Material (F21)	
	edox (S5)		Redox Depres		8)			low Dark Surface	(F22)
	Matrix (S6)		Marl (F10) (LR	R K, L)			Other (Ex	plain in Remarks)	
Dark Su	rface (S7)								
•									
			etland hydrology mu	ust be pi	resent, ur	nless dist	urbed or problematic.		
Restrictive I	Layer (if observed):								
Type:	N//	A							
Depth (ir	nches):						Hydric Soil Present	? Yes	<u>No X</u>
Remarks:									
	m is revised from No	orthcentral	and Northeast Reg	ional Su	Ipplemen	t Version	2.0 to include the NRC	S Field Indicators	of Hydric Soils,
Version 7.0,	2015 Errata. (http://v	www.nrcs.	usda.gov/Internet/F	SE_DOO	CUMENT	S/nrcs14	2p2_051293.docx)		

Project/Site: Mohawk S	Solar				City/County: C	Canajo	harie/Montgomery	Sampling Date:	04/11/2019
Applicant/Owner: N	lohawk Sola	ar, LLC					State: NY	Sampling Poin	t: 1W@ BF-AA
Investigator(s): Benjam	in Feinberg				Section	on, To	wnship, Range: <u>Town of I</u>	Marshville	
Landform (hillside, terrad	ce, etc.):	floodplain		Local r	elief (concave,	conve	x, none): concave	Slop	e %: 0-3
Subregion (LRR or MLR	A): <u>LRR F</u>	R, MLRA 144A	Lat:	42.87764589		Long:	-74.62294918	Datum:	NAD83
Soil Map Unit Name: N	ladalin silty	clay loam, 0 to 3	3 perc	ent slopes			NWI classification:	PFO	
Are climatic / hydrologic	conditions	on the site typica	al for t	his time of year?	Yes	Х	No (If no, e	xplain in Remark	(s.)
Are Vegetation,	Soil	, or Hydrology		significantly disturb	ed? Are	"Norn	nal Circumstances" prese	ent? Yes X	No
Are Vegetation,	Soil	, or Hydrology		naturally problemation	tic? (If r	needeo	l, explain any answers in	Remarks.)	
SUMMARY OF FIN	DINGS -	Attach site	map	showing sam	pling point	locat	ions, transects, im	portant featu	res, etc.
Hydrophytic Vegetation	Present?	Yes	х	No	Is the Samp	led A	rea		
Hydric Soil Present?		Yes	Х	No	within a We	tland	? Yes <u>X</u>	No	
Wetland Hydrology Pre	sent?	Yes	Х	No	If yes, optior	nal We	tland Site ID: BF-AA		

Remarks: (Explain alternative procedures here or in a separate report.)

Wetland Hydrology Indicators:		Secondary Indicators (minimum of two required)				
Primary Indicators (minimum of one is required; c	Surface Soil Cracks (B6)					
Surface Water (A1) X	Surface Water (A1) X Water-Stained Leaves (B9)					
X High Water Table (A2)	_ Aquatic Fauna (B13)	Moss Trim Lines (B16)				
X Saturation (A3)	Marl Deposits (B15)	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 (C9)				
Drift Deposits (B3) X	Presence of Reduced Iron (C4)	Stunted or Stressed Plants (D1)				
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soils (C	6) X Geomorphic Position (D2)				
Iron Deposits (B5)	– Thin Muck Surface (C7)	Shallow Aquitard (D3)				
Inundation Visible on Aerial Imagery (B7)	– Other (Explain in Remarks)	Microtopographic Relief (D4)				
Sparsely Vegetated Concave Surface (B8)		X FAC-Neutral Test (D5)				
Field Observations:						
Surface Water Present? Yes No	X Depth (inches):					
Water Table Present? Yes X No						
		Netland Hydrology Present? Yes X No				
Saturation Present? Yes X No		Netland Hydrology Present? Yes X No				
	Depth (inches): 0					
Saturation Present? Yes X No (includes capillary fringe)	Depth (inches): 0					
Saturation Present? Yes X No (includes capillary fringe)	Depth (inches): 0					
Saturation Present? Yes X No (includes capillary fringe)	Depth (inches): 0					
Saturation Present? Yes X No (includes capillary fringe)	Depth (inches): 0					
Saturation Present? Yes X No (includes capillary fringe)	Depth (inches): 0					
Saturation Present? Yes X No (includes capillary fringe)	Depth (inches): 0					
Saturation Present? Yes X No (includes capillary fringe)	Depth (inches): 0					
Saturation Present? Yes X No (includes capillary fringe)	Depth (inches): 0					
Saturation Present? Yes X No (includes capillary fringe)	Depth (inches): 0					
Saturation Present? Yes X No (includes capillary fringe)	Depth (inches): 0					
Saturation Present? Yes X No (includes capillary fringe)	Depth (inches): 0					

Sampling Point: 1W@ BF-AA

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. Fraxinus pennsylvanica	45	Yes	FACW	
2. Carya ovata	10	No	FACU	Number of Dominant SpeciesThat Are OBL, FACW, or FAC:3(A)
3.				Total Number of Dominant
4.				Species Across All Strata: <u>3</u> (B)
5.				Percent of Dominant Species
6				That Are OBL, FACW, or FAC: 100.0% (A/B)
7				Prevalence Index worksheet:
	55	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15)				OBL species 20 x 1 = 20
1				FACW species 110 x 2 = 220
2				FAC species x 3 =
3				FACU species <u>10</u> x 4 = <u>40</u>
4				UPL species x 5 =
5				Column Totals: 140 (A) 280 (B)
6				Prevalence Index = B/A = 2.00
7				Hydrophytic Vegetation Indicators:
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5)				X 2 - Dominance Test is >50%
1. Onoclea sensibilis	65	Yes	FACW	X_3 - Prevalence Index is ≤3.0 ¹
2. Carex lurida	20	Yes	OBL	4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
3				
4.				Problematic Hydrophytic Vegetation ¹ (Explain)
5				¹ Indicators of hydric soil and wetland hydrology must
6.				be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8				Tree – Woody plants 3 in. (7.6 cm) or more in
9				diameter at breast height (DBH), regardless of height.
10				Sapling/shrub – Woody plants less than 3 in. DBH
11 12.				and greater than or equal to 3.28 ft (1 m) tall.
12.	85	=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
<u>Woody Vine Stratum</u> (Plot size: 30)				
1.				Woody vines – All woody vines greater than 3.28 ft in height.
				noight.
3.				Hydrophytic
4.				Vegetation Present? Yes X No
		=Total Cover		
Remarks: (Include photo numbers here or on a sepa				1
	,			

Profile Desc	cription: (Describe	to the de	pth needed to doc	ument tl	he indica	ator or c	onfirm the absence of	indicators.)		
Depth Matrix Redox Features										
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks		
0-6	10YR 2/1	100					Mucky Loam/Clay			
6-18	5Y 4/1	60	10YR 4/6	40	RM	М	Loamy/Clayey			
		. <u> </u>								
		· <u> </u>								
		. <u> </u>								
		· <u> </u>								
	oncentration, D=Dep	letion, RN	I=Reduced Matrix, N	/IS=Mas	ked Sand	d Grains		=Pore Lining, M=Matrix.		
Hydric Soil			Daharaha Dah	0.5				r Problematic Hydric Soils ³ :		
Histosol			Polyvalue Belo		ce (58) (I	LRR R,		k (A10) (LRR K, L, MLRA 149B)		
	pipedon (A2) istic (A3)		MLRA 149B Thin Dark Surf	,				airie Redox (A16) (LRR K, L, R)		
	en Sulfide (A4)		High Chroma S				149B)5 cm Mucky Peat or Peat (S3) (LRR K, L, R) Polyvalue Below Surface (S8) (LRR K, L)			
	d Layers (A5)		Loamy Mucky					Surface (S9) (LRR K, L)		
	d Below Dark Surface	ο (Λ11)	Loamy Gleyed			Κ Κ, Ε)		ganese Masses (F12) (LRR K, L, R)		
	ark Surface (A12)	e (ATT)	X Depleted Matri		[2]					
	lucky Mineral (S1)		Redox Dark Su		6)		Piedmont Floodplain Soils (F19) (MLRA 149B) Mesic Spodic (TA6) (MLRA 144A, 145, 149B)			
	Gleyed Matrix (S4)									
	Redox (S5)		Depleted Dark				Red Parent Material (F21) Very Shallow Dark Surface (F22)			
			Redox Depress Marl (F10) (LR		5)	Other (Explain in Remarks)				
	l Matrix (S6) rface (S7)		Mail (F 10) (LR	κ κ, μ)						
³ Indicators o	f hydrophytic vegetat	tion and w	etland hydrology mu	ust be pr	esent ur	nless dis	sturbed or problematic.			
	Layer (if observed):				,		 			
Type:	N//									
Depth (ir	nches):						Hydric Soil Present	t? Yes No X		
Remarks:							•			
	m is revised from No 2015 Errata. (http://v							S Field Indicators of Hydric Soils,		
- ,			5				1_11			

Project/Site: Mohawk Solar	City/County: Canajoharie/Montgomery Sampling Date: 04/11/2019							
Applicant/Owner: Mohawk Solar LLC	State: NY Sampling Point: 1U@AA							
Investigator(s): Benjamin Feinberg	Section, Township, Range: Town of Marshville							
Landform (hillside, terrace, etc.): flat Local relief (concave, convex, none): none Slope %:								
Subregion (LRR or MLRA): LRR R, MLRA 144A Lat: 42.87759919	Long: <u>-74.62303812</u> Datum: <u>NAD83</u>							
Soil Map Unit Name: Madalin silty clay loam, 0 to 3 percent slopes NWI classification: N/A								
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes X No (If no, explain in Remarks.)							
Are Vegetation, Soil, or Hydrologysignificantly dist	urbed? Are "Normal Circumstances" present? Yes X No							
Are Vegetation, Soil, or Hydrologynaturally problem	natic? (If needed, explain any answers in Remarks.)							
SUMMARY OF FINDINGS – Attach site map showing sa	mpling point locations, transects, important features, etc.							

Hydrophytic Vegetation Present?	Yes	No X	Is the Sampled Area within a Wetland? Yes No X If yes, optional Wetland Site ID:
Hydric Soil Present?	Yes	No X	
Wetland Hydrology Present?	Yes	No X	
Remarks: (Explain alternative procedu	ures here or in a	separate report.)	·

Wetland Hydrology Indicators:		Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is requ	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)	Oxidized Rhizospheres on Living Roo	ts (C3) Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3)	Presence 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 Surface (C7)	? Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B	7) Other (Explain in Remarks)	Microtopographic Relief (D4)
Sparsely Vegetated Concave Surface (B8)	FAC-Neutral Test (D5)
Field Observations:		
Surface Water Present? Yes	No X Depth (inches):	
Water Table Present? Yes	No X Depth (inches):	
Saturation Present? Yes	No X Depth (inches):	Wetland Hydrology Present? Yes No X
(includes capillary fringe)		
Describe Recorded Data (stream gauge, m	onitoring well, aerial photos, previous inspec	tions), if available:
Demoster		
Remarks:		

Sampling Point: 1U@AA

<u>Tree Stratum</u> (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. Fraxinus pennsylvanica	20	Yes	FACW	Dominance rest worksheet.
Carya ovata	20	Yes	FACU	Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A)
3. Tsuga canadensis	15	Yes	FACU	
4.	15	165	FACU	Total Number of DominantSpecies Across All Strata:5(B)
4 5.				
6.				Percent of Dominant Species That Are OBL, FACW, or FAC: 40.0% (A/B)
7.				Prevalence Index worksheet:
	55	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15)				OBL species 0 x 1 = 0
1. Fraxinus pennsylvanica	5	Yes	FACW	FACW species $25 \times 2 = 50$
2. Rosa multiflora	10	Yes	FACU	FAC species 0 x 3 = 0
3.				FACU species 45 x 4 = 180
4.				UPL species 0 x 5 = 0
5.				Column Totals: 70 (A) 230 (B)
6.				Prevalence Index = B/A = 3.29
7.				Hydrophytic Vegetation Indicators:
	15	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5)				2 - Dominance Test is >50%
1				3 - Prevalence Index is ≤3.0 ¹
2				4 - Morphological Adaptations ¹ (Provide supporting
3				data in Remarks or on a separate sheet)
4				Problematic Hydrophytic Vegetation ¹ (Explain)
5				¹ Indicators of hydric soil and wetland hydrology must
6				be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8				Tree – Woody plants 3 in. (7.6 cm) or more in
9				diameter at breast height (DBH), regardless of height.
10				Sapling/shrub – Woody plants less than 3 in. DBH
11				and greater than or equal to 3.28 ft (1 m) tall.
12				Herb – All herbaceous (non-woody) plants, regardless
		=Total Cover		of size, and woody plants less than 3.28 ft tall.
<u>Woody Vine Stratum</u> (Plot size: 30)				Woody vines – All woody vines greater than 3.28 ft in
1				height.
2				Liverante die
3				Hydrophytic Vegetation
4				Present? Yes <u>No X</u>
		=Total Cover		
Remarks: (Include photo numbers here or on a sepa	arate sheet.)			

Profile Desc	cription: (Describe	to the de	pth needed to docu	ument t	he indica	ator or c	onfirm the absence	of indicators.)		
Depth	Matrix	Redo	Redox Features							
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture		Remarks	
0-10	10YR 3/2	100					Mucky Loam/Clay			
		• •								
		• •								
		·								
		·								
¹ Type: C=Co	oncentration, D=Dep	letion, RM	I=Reduced Matrix, N	/IS=Mas	ked Sand	d Grains.	² Location:	PL=Pore Lining,	M=Matrix.	
Hydric Soil	Indicators:							for Problematic		
Histosol			Polyvalue Belo	w Surfa	ce (S8) (LRR R,			K, L, MLRA 149B)	
	oipedon (A2)		MLRA 1498		()(16) (LRR K, L, R)	
	stic (A3)			Thin Dark Surface (S9) (LRR R, MLRA 149B) 5 cm Mucky Peat or Peat (S						
	n Sulfide (A4)		High Chroma Sands (S11) (LRR K, L)				Polyvalue Below Surface (S8) (LRR K, L)			
	d Layers (A5)		Loamy Mucky Mineral (F1) (LRR K, L)				Thin Dark Surface (S9) (LRR K, L)			
	d Below Dark Surface	e (A11)	Loamy Gleyed Matrix (F2)				Iron-Manganese Masses (F12) (LRR K, L, R)			
	ark Surface (A12)	5 (7117)	Depleted Matrix (F3)				Piedmont Floodplain Soils (F19) (MLRA 149B)			
	lucky Mineral (S1)		Redox Dark Surface (F6)				Mesic Spodic (TA6) (MLRA 144A, 145, 149B)			
	Bleyed Matrix (S4)		Depleted Dark Surface (F7)					arent Material (F2		
			Redox Depressions (F8)							
	Redox (S5)						Very Shallow Dark Surface (F22) Other (Explain in Remarks)			
	Matrix (S6)		Marl (F10) (LRR K, L)				Other (Explain in Remarks)			
	rface (S7)									
31	f han dia amban di ana ana da d	e								
			eliand hydrology mu	ist be pr	resent, ur	ness als	turbed or problematic	•		
	Layer (if observed):									
Type:	Roc	СК								
Depth (ir	nches):	10					Hydric Soil Pres	ent? Yes	s NoX	
Remarks:		-		-						
This data for	m is revised from No	orthcentral	and Northeast Regi	ional Su	Ipplemen	t Version	2.0 to include the NF	RCS Field Indicat	tors of Hydric Soils,	
Version 7.0,	2015 Errata. (http://v	www.nrcs.	usda.gov/Internet/F	SE_DOC	CUMENT	S/nrcs14	2p2_051293.docx)			

Project/Site: Mohawk Sol	ar		City/County: Marshv	ille/ Mongtomery	Sam	pling Date:	8/23/2018		
Applicant/Owner: Ava	ntgrid			State:	NY Sa	ampling Point	1Wet@Wet3A		
Investigator(s): B. Roosa,	R. Wojcikiewicz		Section, To	wnship, Range: <u>C</u>	anajoharie 8	& Minden			
Landform (hillside, terrace,	etc.): Channel Aband	oned	Local relief (concave, conve	x, none): <u>Concav</u>	е	Slope	e %: 0		
Subregion (LRR or MLRA):	LRR R, MLRA 144A	Lat: <u>42.8987</u>	Long:	-74.6505		Datum:	NAD83		
Soil Map Unit Name: Mad	alin Silty Clay Loam			NWI classifi	cation: PEI	М			
Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No (If no, explain in Remarks.)									
Are Vegetation, So	il, or Hydrology	significantly	/ disturbed? Are "Norm	nal Circumstance	s" present?	Yes X	No		
Are Vegetation, So	il, or Hydrology	naturally pr	oblematic? (If needed	l, explain any ans	wers in Ren	narks.)			
SUMMARY OF FIND	NGS – Attach site	map showinç	sampling point locat	ions, transec	ts, impor	tant featu	res, etc.		
Hydrophytic Vegetation P	resent? Yes	X No	Is the Sampled A	rea					
Hydric Soil Present?	Yes	X No	No within a Wetland? Yes X No						
Wetland Hydrology Prese	nt? Yes	<u>X</u> No	If yes, optional We	tland Site ID:					
Remarks: (Explain alterna	ative procedures here or	in a separate repo	ort.)						

Primary Indicators (minimum of one is 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) X Saturation (A3) Marl Deposits (B15) X Dry-Season Water Table (C2)
High Water Table (A2) Aquatic Fauna (B13) Moss Trim Lines (B16)
X Saturation (A3) Marl Deposits (B15) X Dry-Season Water Table (C2)
Water Marks (B1)Hydrogen Sulfide Odor (C1)Crayfish Burrows (C8)
Sediment Deposits (B2) X Oxidized Rhizospheres on Living Roots (C3) Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3) Presence 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 Surface (C7) Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Microtopographic Relief (D4)
Sparsely Vegetated Concave Surface (B8) X FAC-Neutral Test (D5)
Field Observations:
Surface Water Present? Yes No X Depth (inches):
Water Table Present? Yes X No Depth (inches): 15
Saturation Present? Yes X No Depth (inches): 6 Wetland Hydrology Present? Yes X No
(includes capillary fringe)
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:
Remarks:

Sampling Point: 1Wet@Wet3A

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. 2.				Number of Dominant Species That Are OBL, FACW, or FAC:1 (A)
3. 4.				Total Number of Dominant Species Across All Strata: 1 (B)
5.				Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100.0%</u> (A/B)
7				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15)				OBL species 15 x 1 = 15
1				FACW species 105 x 2 = 210
2.				FAC species $0 \times 3 = 0$
3.				FACU species 15 x 4 = 60
1				UPL species 0 x 5 = 0
4 5.				Column Totals: 135 (A) 285 (B)
6				Prevalence Index = $B/A = 2.11$
7.				Hydrophytic Vegetation Indicators:
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
<u>Herb Stratum</u> (Plot size: 5)				X 2 - Dominance Test is >50%
1. Phalaris arundinacea	90	Yes	FACW	X 3 - Prevalence Index is $\leq 3.0^{1}$
	15	No	FACW	4 - Morphological Adaptations ¹ (Provide supporting
	10		FACU	data in Remarks or on a separate sheet)
3. Solidago canadensis		No		
4. Cirsium arvense	5	No	FACU	Problematic Hydrophytic Vegetation ¹ (Explain)
 Carex vulpinoidea 	15	No	OBL	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
10				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
12	135	=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
<u>Woody Vine Stratum</u> (Plot size: <u>30</u>) 1				Woody vines – All woody vines greater than 3.28 ft in height.
2				
3				Hydrophytic Vegetation
4.				Present? Yes X No
		=Total Cover		
Remarks: (Include photo numbers here or on a sepa	rate sheet.)			
· · · ·	,			

Profile Desc	ription: (Describe	to the de	pth needed to docu	ument t	he indica	tor or co	onfirm the absence of	f indicators.)			
Depth	Matrix		Redo	x Featur	es						
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks			
0-3	10YR 3/2	100					Loamy/Clayey	Clay Loam			
3-15	10YR 4/1	80	2.5YR 3/6	20	С	PL	Loamy/Clayey	Clay Loam			
	¹ Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. ² Location: PL=Pore Lining, M=Matrix.										
Hydric Soil I			Daharahaa Dala		aa (CO) (I			or Problematic Hydric Soils ³ :			
Histosol	(A1) vipedon (A2)		Polyvalue Belo MLRA 149B		ce (58) (I	LKK K,		rairie Redox (A16) (LRR K, L, MLRA 149B) rairie Redox (A16) (LRR K, L, R)			
Black His			Thin Dark Surf	,		MLRA 1					
	n Sulfide (A4)		High Chroma S	•	, ,		Polyvalue Below Surface (S8) (LRR K, L)				
Stratified	Layers (A5)		Loamy Mucky	Mineral	(F1) (LRI	R K, L)	Thin Dark Surface (S9) (LRR K, L)				
X Depleted	Below Dark Surface	e (A11)	Loamy Gleyed	Gleyed Matrix (F2)				Manganese Masses (F12) (LRR K, L, R)			
	rk Surface (A12)		X Depleted Matrix (F3)				Piedmont Floodplain Soils (F19) (MLRA 149B				
	lucky Mineral (S1)		Redox Dark Surface (F6) Depleted Dark Surface (F7)				Mesic Spodic (TA6) (MLRA 144A, 145, 149B)				
	leyed Matrix (S4)		'		()			ent Material (F21)			
	edox (S5)		Redox Depressions (F8) Marl (F10) (LRR K, L)					allow Dark Surface (F22)			
	Matrix (S6) face (S7)		iviair (F10) (LR	κ κ, L)				xplain in Remarks)			
³ Indicators of	f hydrophytic vegetat	ion and w	etland hydrology mu	ust be pi	resent, ur	nless dist	urbed or problematic.				
	_ayer (if observed):										
Type:	N/#	4									
Depth (ir	iches):						Hydric Soil Preser	nt? Yes <u>X</u> No			
Remarks:	m is revised from No	rthooptrol	and Northagat Pag	ional Su	nnlomon	Voraion	2.0 to include the NPC	28 Field Indicators of Hydric Soils			
	This data form is revised from Northcentral and Northeast Regional Supplement Version 2.0 to include the NRCS Field Indicators of Hydric Soils, Version 7.0, 2015 Errata. (http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs142p2_051293.docx)										

Project/Site: Mohawk Solar			City/Co	unty: Marshvil	le/ Mongtomery		Sampling Date:	8/23/2018	
Applicant/Owner: Avantgrid					State:	NY	Sampling Poi	nt: <u>1Wet@Wet3B</u>	
Investigator(s): B. Roosa, R. Wojc	cikiewicz			Section, Tow	/nship, Range: (Canajoha	arie		
Landform (hillside, terrace, etc.):	Bowl-shaped depre	ssion	Local relief (co	ncave, conve	k, none): <u>concav</u>	/e	Slo	pe %: 0	
Subregion (LRR or MLRA): LRR	R, MLRA 144A Lat	:: <u>42.893037</u>	7	Long:	-74.652416		Datum:	NAD83	
Soil Map Unit Name: Ilion silt loam NWI classification: POW/PEM									
Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No (If no, explain in Remarks.)									
Are Vegetation, Soil, or Hydrologysignificantly disturbed? Are "Normal Circumstances" present? Yes X								No	
Are Vegetation, Soil	, or Hydrology	naturally p	roblematic?	(If needed	, explain any an	swers in	Remarks.)		
SUMMARY OF FINDINGS -	- Attach site ma	p showin	g sampling	oint locati	ons, transeo	cts, im	portant feat	ures, etc.	
Hydrophytic Vegetation Present?	Yes X	No	Is the	e Sampled Ar	ea				
Hydric Soil Present?	Yes X	No	with	n a Wetland?	Yes	Х	No		
Wetland Hydrology Present?	Yes X	No	If yes	, optional Wet	land Site ID:				
Remarks: (Explain alternative pro	cedures here or in a	separate rep	port.)						

Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)		
Primary Indicators (minimum of one is require	Surface Soil Cracks (B6)		
X Surface Water (A1)	Water-Stained Leaves (B9)		Drainage Patterns (B10)
X High Water Table (A2)	X Aquatic Fauna (B13)		Moss Trim Lines (B16)
X Saturation (A3)	Marl Deposits (B15)		Dry-Season Water Table (C2)
Water Marks (B1)	Hydrogen Sulfide Odor (C1)		Crayfish Burrows (C8)
Sediment Deposits (B2)	Oxidized Rhizospheres on Living Ro	ots (C3)	Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3)	Presence of Reduced Iron (C4)		Stunted or Stressed Plants (D1)
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soils	s (C6)	Geomorphic Position (D2)
Iron Deposits (B5)	Thin Muck Surface (C7)		Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks)		Microtopographic Relief (D4)
Sparsely Vegetated Concave Surface (B	8)		X FAC-Neutral Test (D5)
Field Observations:			
Surface Water Present? Yes X	No Depth (inches): 1		
Water Table Present? Yes X	No Depth (inches): 6		
Saturation Present? Yes X	No Depth (inches): 0	Wetlan	d Hydrology Present? Yes X No
Saturation Present? Yes X (includes capillary fringe)	No Depth (inches):0	Wetlan	d Hydrology Present? Yes X No
(includes capillary fringe)			
(includes capillary fringe)			
(includes capillary fringe)			
(includes capillary fringe) Describe Recorded Data (stream gauge, mor			
(includes capillary fringe) Describe Recorded Data (stream gauge, mor			
(includes capillary fringe) Describe Recorded Data (stream gauge, mor			
(includes capillary fringe) Describe Recorded Data (stream gauge, mor			
(includes capillary fringe) Describe Recorded Data (stream gauge, mor			
(includes capillary fringe) Describe Recorded Data (stream gauge, mor			
(includes capillary fringe) Describe Recorded Data (stream gauge, mor			
(includes capillary fringe) Describe Recorded Data (stream gauge, mor			

Sampling Point: 1Wet@Wet3B

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1				Number of Dominant Species
2				That Are OBL, FACW, or FAC:(A)
3				Total Number of Dominant
4				Species Across All Strata:(B)
5 6				Percent of Dominant Species That Are OBL, FACW, or FAC:100.0% (A/B)
7.				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15)				OBL species 15 x 1 = 15
1				FACW species 120 x 2 = 240
2				FAC species 0 x 3 = 0
3				FACU species x 4 =
4				UPL species 0 x 5 = 0
5				Column Totals: 135 (A) 255 (B)
6				Prevalence Index = B/A =1.89
7				Hydrophytic Vegetation Indicators:
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5)				X 2 - Dominance Test is >50%
1. Phragmites australis	100	Yes	FACW	X 3 - Prevalence Index is $\leq 3.0^{1}$
2. Typha latifolia	10	No	OBL	4 - Morphological Adaptations ¹ (Provide supporting
3. Brasenia schreberi	5	No	OBL	data in Remarks or on a separate sheet)
4. Phalaris arundinacea	20	No	FACW	Problematic Hydrophytic Vegetation ¹ (Explain)
5				¹ Indicators of hydric soil and wetland hydrology must
6				be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8				Tree – Woody plants 3 in. (7.6 cm) or more in
9				diameter at breast height (DBH), regardless of height.
10				Sapling/shrub – Woody plants less than 3 in. DBH
11				and greater than or equal to 3.28 ft (1 m) tall.
12	405	-Tatal Cause		Herb – All herbaceous (non-woody) plants, regardless
<u>Woody Vine Stratum</u> (Plot size: 30)	135	=Total Cover		of size, and woody plants less than 3.28 ft tall.
1				Woody vines – All woody vines greater than 3.28 ft in height.
2				Hadavak da
3				Hydrophytic Vegetation
4				Present? Yes X No
		=Total Cover		
Remarks: (Include photo numbers here or on a sepa	rate sheet.)			

Depth	Matrix			x Featu				
inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-10	10YR 4/1	85	10YR 5/6	15	С	Μ	Loamy/Clayey	Prominent redox concentrations
						_		
						_		
Гуре: С=Со	oncentration, D=Depl	etion, RI	M=Reduced Matrix, M	1S=Mas	ked Sand	d Grains.	² Location: P	PL=Pore Lining, M=Matrix.
ydric Soil Histosol	Indicators:		Polyvalue Belo	w Surfa	ice (S8) (I			or Problematic Hydric Soils ³ : uck (A10) (LRR K, L, MLRA 149B)
	pipedon (A2)		MLRA 149B		(00) (Litit it,		rairie Redox (A16) (LRR K, L, R)
	stic (A3)		Thin Dark Surfa	,) (LRR R	. MLRA 1		ucky Peat or Peat (S3) (LRR K, L, F
	n Sulfide (A4)		High Chroma S				· · ·	ie Below Surface (S8) (LRR K, L)
	d Layers (A5)		Loamy Mucky					rk Surface (S9) (LRR K, L)
	d Below Dark Surface	e (A11)	Loamy Gleyed			,,		nganese Masses (F12) (LRR K, L, F
	ark Surface (A12)	()	X Depleted Matri		()			nt Floodplain Soils (F19) (MLRA 14
	lucky Mineral (S1)		Redox Dark Su		-6)			podic (TA6) (MLRA 144A, 145, 149
	Gleyed Matrix (S4)		Depleted Dark		-			rent Material (F21)
	Redox (S5)		Redox Depress					allow Dark Surface (F22)
	Matrix (S6)		 Marl (F10) (LR		- /			Explain in Remarks)
	rface (S7)			, _,				· + ····· /
			vetland hydrology mu	ist be p	resent, ur	nless dist	urbed or problematic.	
Type:	Layer (if observed): N/A							
Depth (ir		·					Hydric Soil Prese	nt? Yes <u>X</u> No
Remarks:							<u>.</u>	
								CS Field Indicators of Hydric Soils,
ersion 7.0,	2015 Errata. (http://w	/ww.nrcs	.usda.gov/Internet/FS	SE_DO	CUMENT	S/nrcs14	2p2_051293.docx)	

Project/Site: Mohawk Solar		City/Count	ty: Marshville/ Mongtomery	Sampling Date: 8/	/23/2018
Applicant/Owner: Avantgrid			State:	NY Sampling Point:	1Up@Wet3B
Investigator(s): B. Roosa, R. Woj	cikiewicz	S	ection, Township, Range: Car	najoharie	
Landform (hillside, terrace, etc.):	bluff	Local relief (conca	ave, convex, none): <u>convex</u>	Slope %	6: 0
Subregion (LRR or MLRA): LRR	R, MLRA 144A Lat:	42.89335	Long: -74.652721	Datum: N	AD83
Soil Map Unit Name: Appleton sil	lt loam		NWI classifica	ation: N/A	
Are climatic / hydrologic conditions	s on the site typical for	this time of year?	Yes X No (If	no, explain in Remarks.)	1
Are Vegetation, Soil	, or Hydrology	significantly disturbed?	Are "Normal Circumstances"	present? Yes X N	lo
Are Vegetation, Soil	, or Hydrology	naturally problematic?	(If needed, explain any answe	ers in Remarks.)	
SUMMARY OF FINDINGS	– Attach site map	showing sampling po	int locations, transects	s, important feature	s, etc.

Hydrophytic Vegetation Present?	Yes	No	Х	Is the Sampled Area
Hydric Soil Present?	Yes	No	Х	within a Wetland? Yes <u>No X</u>
Wetland Hydrology Present?	Yes	No	Х	If yes, optional Wetland Site ID:
Remarks: (Explain alternative procedures h	ere or in a se	eparat	e report.)	

Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)	
Primary Indicators (minimum of one is require	Surface Soil Cracks (B6)	
Surface Water (A1)	Drainage Patterns (B10)	
High Water Table (A2)	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)	Oxidized Rhizospheres on Living Ro	oots (C3) Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3)	Presence of Reduced Iron (C4)	Stunted or Stressed Plants (D1)
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soils	ls (C6) Geomorphic Position (D2)
Iron Deposits (B5)	Thin Muck Surface (C7)	Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7)	Other (Explain in Remarks)	Microtopographic Relief (D4)
Sparsely Vegetated Concave Surface (B8	8)	FAC-Neutral Test (D5)
Field Observations:		
Surface Water Present? Yes	No X Depth (inches):	
Water Table Present? Yes	No X Depth (inches):	
Saturation Present? Yes	No X Depth (inches):	Wetland Hydrology Present? Yes No X
(includes capillary fringe)		
Describe Recorded Data (stream gauge, mon	nitoring well, aerial photos, previous inspec	ections), if available:
Remarks:		

Sampling Point: 1Up@Wet3B

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. 2.				Number of Dominant Species That Are OBL, FACW, or FAC:0 (A)
3. 4.				Total Number of Dominant Species Across All Strata: 2 (B)
5 6				Percent of Dominant Species That Are OBL, FACW, or FAC:0.0% (A/B)
7				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15)				OBL species 0 x 1 = 0
1				FACW species 0 x 2 = 0
2				FAC species 0 x 3 = 0
3.				FACU species 70 x 4 = 280
4.				UPL species 0 x 5 = 0
5.				Column Totals: 70 (A) 280 (B)
6.				Prevalence Index = $B/A = 4.00$
7.				Hydrophytic Vegetation Indicators:
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5)				2 - Dominance Test is >50%
1. Galium mollugo	5	No	FACU	$3 - Prevalence Index is \leq 3.0^{1}$
C Triffe l'entre en tenne e		No	FACU	4 - Morphological Adaptations ¹ (Provide supporting
2 Dec protonoio	25	Yes	FACU	data in Remarks or on a separate sheet)
		Yes		Droblemetic Llydrophytic Versitation ¹ (Evaluation)
4. Taraxacum officinale			FACU	Problematic Hydrophytic Vegetation ¹ (Explain)
5. <u>Fragaria virginiana</u> 6	5	No	FACU	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8 9.				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
10. 11.				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
12.				Herb – All herbaceous (non-woody) plants, regardless
	70	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30) 1.				Woody vines – All woody vines greater than 3.28 ft in height.
2				Under whe die
3				Hydrophytic Vegetation
4				Present? Yes No X
		=Total Cover		
Remarks: (Include photo numbers here or on a sepa	rate sheet.)			

Profile Desc	ription: (Describe	to the de	oth needed to docu	ument th	ne indica	ator or co	onfirm the absence o	f indicators.)	
Depth	Matrix		Redo	x Featur	es				
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Rema	rks
0-3	10YR 3/1	90	7.5YR 4/4	10	С	M	Loamy/Clayey	Prominent redox of	conc. Clay loam
		. <u></u>							
1									
	ncentration, D=Dep	letion, RM	=Reduced Matrix, N	/IS=Masi	ked Sand	d Grains.		L=Pore Lining, M=M	
Hydric Soil I			Daharahaa Dala					or Problematic Hydi	
Histosol	. ,		Polyvalue Belo		ce (58) (I	LRR R,		ick (A10) (LRR K, L,	
	ipedon (A2)		MLRA 149B	<i>,</i>				rairie Redox (A16) (L	
Black His			Thin Dark Surf					icky Peat or Peat (S3	
Hydroger	n Sulfide (A4)		High Chroma S	Sands (S	611) (LRF	R K, L)	Polyvalu	e Below Surface (S8) (LRR K, L)
Stratified	Layers (A5)		Loamy Mucky	Mineral ((F1) (LR	R K, L)	Thin Dar	k Surface (S9) (LRR	K, L)
Depleted	Below Dark Surface	e (A11)	Loamy Gleyed	Matrix (I	F2)		Iron-Mar	nganese Masses (F1)	2) (LRR K, L, R)
	rk Surface (A12)	()	Depleted Matri		/			nt Floodplain Soils (F	
	ucky Mineral (S1)		Redox Dark Su		6)			podic (TA6) (MLRA 1	
				•	,				44 0 , 143, 143D)
	eyed Matrix (S4)		Depleted Dark		` '			ent Material (F21)	
	edox (S5)		Redox Depress	•	3)			allow Dark Surface (F	-22)
	Matrix (S6) face (S7)		Marl (F10) (LR	R K, L)			Other (E	xplain in Remarks)	
			etland hydrology mu	ust be pr	esent, ur	nless dist	urbed or problematic.		
	ayer (if observed):								
Type:	Fil	3					Hudria Sail Brass	at? Vac	No V
Depth (in Remarks:	cnes).	3					Hydric Soil Preser	nt? Yes	NoX
This data forr	n is revised from No 2015 Errata. (http://v						2.0 to include the NR(2p2_051293.docx)	CS Field Indicators of	f Hydric Soils,

Project/Site: Mohawk Solar	City/County: Marshville/ Mongtomery Sampling Date: 8/23/2018
Applicant/Owner: Avantgrid	State: NY Sampling Point: 1Wet@Wet3C
Investigator(s): B. Roosa, R. Wojcikiewicz	Section, Township, Range: Canajoharie
Landform (hillside, terrace, etc.): Swale	Local relief (concave, convex, none): Concave Slope %: 0
Subregion (LRR or MLRA): LRR R, MLRA 144A Lat: 42	2.890414 Long: <u>-74.651253</u> Datum: <u>NAD83</u>
Soil Map Unit Name: Ilion silt loam	NWI classification: PEM
Are climatic / hydrologic conditions on the site typical for this	s time of year? Yes X No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrologysig	gnificantly disturbed? Are "Normal Circumstances" present? Yes X No
Are Vegetation, Soil, or Hydrologyna	aturally problematic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map s	howing sampling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes X	No Is the Sampled Area
Hydric Soil Present? Yes X	No within a Wetland? Yes X No
Wetland Hydrology Present? Yes X	No If yes, optional Wetland Site ID:
Remarks: (Explain alternative procedures here or in a separation of the separation o	arate report.)

Wetland Hydrology Indicators:							Secondary Indicators (mir	nimum of two required)			
Primary Indicators (minimum of one is required; check all that apply)							Surface Soil Cracks (Surface Soil Cracks (B6)			
X Surface Water (A1)			Wate	er-Stained Leaves (B	9)		Drainage Patterns (B	10)			
X High Water Table (A2)			Aqua	atic Fauna (B13)			Moss Trim Lines (B16	6)			
X Saturation (A3)			Marl	Deposits (B15)			Dry-Season Water Ta	ıble (C2)			
Water Marks (B1)			Hydr	ogen Sulfide Odor (C	:1)		Crayfish Burrows (C8)			
Sediment Deposits (B2)			Oxid	ized Rhizospheres or	h Living Ro	oots (C3)	Saturation Visible on	Aerial Imagery (C9)			
Drift Deposits (B3)			Pres	ence of Reduced Iror	n (C4)		Stunted or Stressed F	Plants (D1)			
Algal Mat or Crust (B4)			Rece	ent Iron Reduction in	Tilled Soil	s (C6)	Geomorphic Position	(D2)			
Iron Deposits (B5)			Thin	Muck Surface (C7)			Shallow Aquitard (D3))			
Inundation Visible on Ae	erial Im	agery	(B7) Othe	er (Explain in Remarks	s)		Microtopographic Reli	ief (D4)			
Sparsely Vegetated Cor	icave S	Surface	e (B8)				X FAC-Neutral Test (D5	i)			
Field Observations:											
Surface Water Present?	Yes	Х	No	Depth (inches):	1						
Water Table Present?	Yes	Х	No	Depth (inches):	0						
Saturation Present?	Yes	Х	No	Depth (inches):	0	Wetlan	d Hydrology Present?	Yes X No			
(includes capillary fringe)	-			/ _							
Describe Recorded Data (st	ream g	auge,	monitoring we	ll, aerial photos, prev	ious inspe	ections), if	available:				
Remarks:											

Sampling Point: 1Wet@Wet3C

<u>Tree Stratum</u> (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1	<u></u>	000000		
2.				Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)
3.				
4.				Total Number of Dominant Species Across All Strata: 1 (B)
5.				Percent of Dominant Species
6.				That Are OBL, FACW, or FAC: 100.0% (A/B)
7.				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15)				OBL species x 1 =
1				FACW species 100 x 2 = 200
2				FAC species 0 x 3 = 0
3				FACU species 0 x 4 = 0
4				UPL species 0 x 5 = 0
5				Column Totals: 100 (A) 200 (B)
6				Prevalence Index = B/A = 2.00
7				Hydrophytic Vegetation Indicators:
	:	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5)				X 2 - Dominance Test is >50%
1. Phalaris arundinacea	100	Yes	FACW	X_3 - Prevalence Index is $\leq 3.0^1$
2				4 - Morphological Adaptations ¹ (Provide supporting
3				data in Remarks or on a separate sheet)
4				Problematic Hydrophytic Vegetation ¹ (Explain)
5				¹ Indicators of hydric soil and wetland hydrology must
6				be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8				Tree – Woody plants 3 in. (7.6 cm) or more in
9				diameter at breast height (DBH), regardless of height.
10				Sapling/shrub – Woody plants less than 3 in. DBH
11				and greater than or equal to 3.28 ft (1 m) tall.
12				Herb – All herbaceous (non-woody) plants, regardless
	100	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30)				Woody vines – All woody vines greater than 3.28 ft in
1				height.
2				Hydrophytic
3.				Vegetation
4				Present?
		=Total Cover		
Remarks: (Include photo numbers here or on a sepa	rate sheet.)			

Depth	Cription: (Describe	to the de		u ment t x Featur		ator or c	onfirm the absence of in	ndicators.)
(inches)	Color (moist)	%	Color (moist)	x reatur %	Type ¹	Loc ²	Texture	Remarks
							·	
0-10	10YR 3/2	90	10YR 5/8	10	C	M	Loamy/Clayey	Loam
	·							
¹ Type: C=C	oncentration, D=Depl	etion, RM	I=Reduced Matrix, N	/IS=Mas	ked Sand	d Grains.	² Location: PL=	Pore Lining, M=Matrix.
Hydric Soil								Problematic Hydric Soils ³ :
Histosol	(A1)		Polyvalue Belo	w Surfa	ce (S8) (LRR R,	2 cm Muck	(A10) (LRR K, L, MLRA 149B)
Histic E	pipedon (A2)		MLRA 149B	5)			Coast Prair	rie Redox (A16) (LRR K, L, R)
Black H	istic (A3)		Thin Dark Surf	ace (S9) (LRR R	, MLRA [·]	149B) 5 cm Muck	y Peat or Peat (S3) (LRR K, L, R)
Hydroge	en Sulfide (A4)		High Chroma S	Sands (S	611) (LRI	R K, L)	Polyvalue I	Below Surface (S8) (LRR K, L)
Stratifie	d Layers (A5)		Loamy Mucky	Mineral	(F1) (LR	R K, L)	Thin Dark S	Surface (S9) (LRR K, L)
	d Below Dark Surface	e (A11)	Loamy Gleyed		(F2)		Iron-Manga	anese Masses (F12) (LRR K, L, R)
Thick Da	ark Surface (A12)		X Depleted Matri				Piedmont F	Floodplain Soils (F19) (MLRA 149B)
	/lucky Mineral (S1)		X Redox Dark Su					dic (TA6) (MLRA 144A, 145, 149B)
	Gleyed Matrix (S4)		Depleted Dark					t Material (F21)
	Redox (S5)		Redox Depres	``	8)			w Dark Surface (F22)
	Matrix (S6)		Marl (F10) (LR	R K, L)			Other (Exp	lain in Remarks)
Dark Su	ırface (S7)							
³ Indicatora a	f hydrophytic ycactot	ion and u	atland hydrology m	uct he n	rocont u	aloon diat	turbed or problematic.	
	Layer (if observed):		elianu nyurology mi	usi be p	ieseni, ui			
Type:	N/A							
							Hydric Soil Present?	
	nches):						Hydric Soll Present	Yes <u>X</u> No
Remarks:	una ia navia ad fuana Nia		land North cost Dog	innel Cu		•) /	0.0 to include the NDCC	Field Indiantena of Lludvia Caila
	2015 Errata. (http://w							Field Indicators of Hydric Soils,
			acaalgenneeneer				_poooo.uoo.y	

Project/Site: Mohawk Solar	City/County: Marshville/ Mongtomery Sampling Date: 8/23/2018
Applicant/Owner: Avantgrid	State: NY Sampling Point: 1Up@Wet3C
Investigator(s): B. Roosa, R. Wojcikiewicz	Section, Township, Range: Canajoharie
Landform (hillside, terrace, etc.): Footslope Loc	cal relief (concave, convex, none): none Slope %: 5
Subregion (LRR or MLRA): LRR R, MLRA 144A Lat: 42.890342	Long: -74.651218 Datum: NAD83
Soil Map Unit Name: Ilion silt Ioam	NWI classification: N/A
Are climatic / hydrologic conditions on the site typical for this time of year	? Yes X No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrologysignificantly dis	turbed? Are "Normal Circumstances" present? Yes X No
Are Vegetation, Soil, or Hydrologynaturally proble	ematic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing sa	ampling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No X	Is the Sampled Area
Hydric Soil Present? Yes X No	within a Wetland? Yes No X
Wetland Hydrology Present? Yes No X	If yes, optional Wetland Site ID:
Remarks: (Explain alternative procedures here or in a separate report.)	

Wetland Hydrology Indicators:			Secondary Indicators (minimum of two required)		
Primary Indicators (minimum of one is requir	Surface Soil Cracks (B6)				
Surface Water (A1)	Drainage Patterns (B10)				
High Water Table (A2)	High Water Table (A2) Aquatic Fauna (B13)				
Saturation (A3)	Marl Deposits (B15)		Dry-Season Water Table (C2)		
Water Marks (B1)	Hydrogen Sulfide Odor (C1)		Crayfish Burrows (C8)		
Sediment Deposits (B2)	Oxidized Rhizospheres on Living Ro	oots (C3)	Saturation Visible on Aerial Imagery (C9)		
Drift Deposits (B3)	Presence of Reduced Iron (C4)		Stunted or Stressed Plants (D1)		
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soil	s (C6)	Geomorphic Position (D2)		
Iron Deposits (B5)	Thin Muck Surface (C7)		Shallow Aquitard (D3)		
Inundation Visible on Aerial Imagery (B7	7) Other (Explain in Remarks)		Microtopographic Relief (D4)		
Sparsely Vegetated Concave Surface (B	38)		FAC-Neutral Test (D5)		
Field Observations:					
Surface Water Present? Yes	No X Depth (inches):				
Water Table Present? Yes	No X Depth (inches):				
Saturation Present? Yes	No X Depth (inches):	Wetlan	d Hydrology Present? Yes No X		
(includes capillary fringe)					
Describe Recorded Data (stream gauge, mo	onitoring well, aerial photos, previous inspe	ections), if a	available:		
Remarks:					

Sampling Point: 1Up@Wet3C

Tree Stratum (Plot size:30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. 2.				Number of Dominant Species That Are OBL, FACW, or FAC:1 (A)
3 4				Total Number of Dominant Species Across All Strata: <u>3</u> (B)
5 6				Percent of Dominant Species That Are OBL, FACW, or FAC: <u>33.3%</u> (A/B)
7				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15)				OBL species 0 x 1 = 0
1				FACW species $25 \times 2 = 50$
2.				FAC species 0 x 3 = 0
3.				FACU species 45 x 4 = 180
4.				UPL species 30 x 5 = 150
5.				Column Totals: 100 (A) 380 (B)
6.				Prevalence Index = $B/A = 3.80$
7.				Hydrophytic Vegetation Indicators:
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
<u>Herb Stratum</u> (Plot size: 5)				2 - Dominance Test is >50%
1. Setaria viridis	10	No	UPL	$3 - Prevalence Index is \leq 3.0^1$
	45	Yes	FACU	4 - Morphological Adaptations ¹ (Provide supporting
2 Dhalaria arundinaaaa	25	Yes	FACW	data in Remarks or on a separate sheet)
			UPL	Problematic Hydrophytic Vegetation ¹ (Explain)
		165	UFL	
5				¹ Indicators of hydric soil and wetland hydrology must
6.				be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8 9				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
10.				Sapling/shrub – Woody plants less than 3 in. DBH
11				and greater than or equal to 3.28 ft (1 m) tall.
12		=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size:30) 1.				Woody vines – All woody vines greater than 3.28 ft in height.
2.				
3.				Hydrophytic
4.				Vegetation Present? Yes No X
		=Total Cover		
Remarks: (Include photo numbers here or on a sepa	rate sheet.)			

Profile Desc	ription: (Describe	to the de	epth needed to docu	ıment t	he indica	ator or c	onfirm the absence o	of indicators.)
Depth	Matrix		Redox	k Featur	res			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-8	10YR 2/1	99	7.5YR 5/8	1	С	М	Loamy/Clayey	Prominent redox concentrations
								Loam
		·						
		·						
<u> </u>								
		letion, RI	M=Reduced Matrix, M	IS=Mas	ked Sand	d Grains.		PL=Pore Lining, M=Matrix.
Hydric Soil				~ .				for Problematic Hydric Soils ³ :
Histosol			Polyvalue Belo		ce (S8) (I	LRR R,		uck (A10) (LRR K, L, MLRA 149B)
	bipedon (A2)		MLRA 149B	,				Prairie Redox (A16) (LRR K, L, R)
	stic (A3)		Thin Dark Surfa					ucky Peat or Peat (S3) (LRR K, L, R)
	n Sulfide (A4)		High Chroma S					ue Below Surface (S8) (LRR K, L)
	l Layers (A5) l Below Dark Surface	o (A11)	Loamy Mucky I			κ κ , L)		rk Surface (S9) (LRR K, L)
	ark Surface (A12)	e (ATT)	Loamy Gleyed X Depleted Matrix		FZ)			nganese Masses (F12) (LRR K, L, R) nt Floodplain Soils (F19) (MLRA 149B)
	lucky Mineral (S1)		Redox Dark Su		6)			Spodic (TA6) (MLRA 144A, 145, 149B)
	ileyed Matrix (S4)		Depleted Dark	•	,			rent Material (F21)
					. ,			
	edox (S5)		Redox Depress		0)			nallow Dark Surface (F22)
	Matrix (S6) face (S7)		Marl (F10) (LR	κ κ , l)				Explain in Remarks)
³ Indicators o	f hvdrophvtic vegetat	tion and v	vetland hvdrologv mu	ıst be pı	resent. ur	nless dist	turbed or problematic.	
	_ayer (if observed):		, 3,		,			
Type:	Fil	I						
Depth (ir	1ches):	8					Hydric Soil Prese	nt? Yes X No
Remarks:								
	m is revised from No	orthcentra	I and Northeast Regi	onal Su	pplemen	t Version	2.0 to include the NR	CS Field Indicators of Hydric Soils,
			.usda.gov/Internet/FS					· · · ·

Project/Site: Mohawk Solar		City/County: Marshville/ Mongtomery Sampling Date: 8/23/2018						
Applicant/Owner: Avantgrid				State:	NY	Sampling Poin	t: <u>1Wet@Wet3D</u>	
Investigator(s): B. Roosa, R. Woj	Wojcikiewicz Section, Township, Range: Canajoharie							
Landform (hillside, terrace, etc.):	Swale	Local relief (c	concave, convex,	none): <u>Concav</u>	e	Slope	e %: 0	
Subregion (LRR or MLRA): LRR	R, MLRA 144A Lat:	42.89167	Long: -	74.654117		Datum:	NAD83	
Soil Map Unit Name: Fonda muc	ky silty clay loam			NWI classifi	cation:	PEM		
Are climatic / hydrologic conditions	s on the site typical for	this time of year?	Yes X	No	(If no, ex	plain in Remark	s.)	
Are Vegetation, Soil	, or Hydrology	significantly disturbed?	Are "Norma	I Circumstance	s" preser	nt? Yes <u>X</u>	No	
Are Vegetation, Soil	, or Hydrology	naturally problematic?	(If needed,	explain any ans	wers in I	Remarks.)		
SUMMARY OF FINDINGS	– Attach site map	showing sampling	point locatio	ons, transec	ts, imp	oortant featu	res, etc.	
Hydrophytic Vegetation Present?	Yes X	No Is ti	ne Sampled Area	a				
Hydric Soil Present?	Yes X	No with	nin a Wetland?	Yes	Х	No		
Wetland Hydrology Present?	Yes X	No If ye	es, optional Wetla	and Site ID:				
Remarks: (Explain alternative pr	ocedures here or in a s	eparate report.)						

Wetland Hydrology Indicators:			Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is require	Surface Soil Cracks (B6)		
X Surface Water (A1)	Drainage Patterns (B10)		
X High Water Table (A2)	Aquatic Fauna (B13)		Moss Trim Lines (B16)
X Saturation (A3)	Marl Deposits (B15)		Dry-Season Water Table (C2)
Water Marks (B1)	Hydrogen Sulfide Odor (C1)		Crayfish Burrows (C8)
Sediment Deposits (B2)	Oxidized Rhizospheres on Living Ro	oots (C3)	Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3)	Presence of Reduced Iron (C4)		Stunted or Stressed Plants (D1)
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soils	s (C6)	X Geomorphic Position (D2)
Iron Deposits (B5)	Thin Muck Surface (C7)		Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7)	Other (Explain in Remarks)		Microtopographic Relief (D4)
Sparsely Vegetated Concave Surface (Ba	3)		X FAC-Neutral Test (D5)
Field Observations:			
Surface Water Present? Yes X	No Depth (inches): 1		
Water Table Present? Yes X	No Depth (inches): 1		
Saturation Present? Yes X	No Depth (inches): 0	Wetlan	d Hydrology Present? Yes X No
(includes capillary fringe)			
Describe Recorded Data (stream gauge, mor	itoring well, aerial photos, previous inspe	ctions), if a	available:
Describe Recorded Data (stream gauge, mor	itoring well, aerial photos, previous inspe	ctions), if a	available:
Describe Recorded Data (stream gauge, mor	itoring well, aerial photos, previous inspe	ctions), if a	available:
Describe Recorded Data (stream gauge, mor Remarks:	itoring well, aerial photos, previous inspe	ctions), if a	available:
	itoring well, aerial photos, previous inspe	ctions), if a	available:
	itoring well, aerial photos, previous inspe	ctions), if a	available:
	itoring well, aerial photos, previous inspe	ctions), if a	available:
	itoring well, aerial photos, previous inspe	ctions), if a	available:
	itoring well, aerial photos, previous inspe	ctions), if a	available:
	itoring well, aerial photos, previous inspe	ctions), if a	available:
	itoring well, aerial photos, previous inspe	ctions), if a	available:
	itoring well, aerial photos, previous inspe	ctions), if a	available:

Sampling Point: 1Wet@Wet3D

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1				Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A)
3.				Total Number of Dominant Species Across All Strata: 2 (B)
5.				Percent of Dominant Species
6.				That Are OBL, FACW, or FAC: 100.0% (A/B)
7		Tatal Oam		Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15)				OBL species $60 \times 1 = 60$
1				FACW species 70 x 2 = 140 FAC species 45 45 45
2				FAC species $15 \times 3 = 45$
3				FACU species 0 x 4 = 0
4				UPL species $0 \times 5 = 0$
5.				Column Totals: 145 (A) 245 (B)
6				Prevalence Index = B/A = <u>1.69</u>
7				Hydrophytic Vegetation Indicators:
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5)				X 2 - Dominance Test is >50%
1. Phalaris arundinacea	70	Yes	FACW	X 3 - Prevalence Index is $\leq 3.0^1$
2. Carex vulpinoidea	20	No	OBL	4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
3. Persicaria sagittata	25	Yes	OBL	
4. Solidago rugosa	10	No	FAC	Problematic Hydrophytic Vegetation ¹ (Explain)
5. Leersia oryzoides	15	No	OBL	¹ Indicators of hydric soil and wetland hydrology must
6. Euthamia graminifolia	5	No	FAC	be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8 9.				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
10				Sapling/shrub – Woody plants less than 3 in. DBH
11				and greater than or equal to 3.28 ft (1 m) tall.
12	145	=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
<u>Woody Vine Stratum</u> (Plot size: <u>30</u>) 1.				Woody vines – All woody vines greater than 3.28 ft in height.
1 2				
				Hydrophytic
				Vegetation Present? Yes X No
4		=Total Cover		
Remarks: (Include photo numbers here or on a sepa	rate sheet.)			

Depth	Matrix		Redo	x Featu	res			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-12	10YR 4/1	85	10YR 5/6	15	С	Μ	Loamy/Clayey	Prominent redox concentrations
								Loam
	encentration D-Dan	ation D				Craina	² l acation: D	PL=Pore Lining, M=Matrix.
Hydric Soil	oncentration, D=Depl	euon, Ri	M=Reduced Matrix, N	/IS=IVIAS	ked Sand	Grains.		or Problematic Hydric Soils ³ :
Histosol			Polyvalue Belo	w Surfa	ce (S8) (uck (A10) (LRR K, L, MLRA 149B)
	pipedon (A2)		MLRA 149B					rairie Redox (A16) (LRR K, L, R)
	istic (A3)		Thin Dark Surf	,				ucky Peat or Peat (S3) (LRR K, L, R)
	()							
	en Sulfide (A4)		High Chroma S					le Below Surface (S8) (LRR K, L)
	d Layers (A5)		Loamy Mucky			ΚΚ, L)		rk Surface (S9) (LRR K, L)
·	d Below Dark Surface	e (A11)	Loamy Gleyed		(F2)			nganese Masses (F12) (LRR K, L, R)
Thick Da	ark Surface (A12)		X Depleted Matri	x (F3)			Piedmor	nt Floodplain Soils (F19) (MLRA 149E
Sandy M	/lucky Mineral (S1)		Redox Dark Su	urface (F	=6)		Mesic S	podic (TA6) (MLRA 144A, 145, 149B
Sandy G	Gleyed Matrix (S4)		Depleted Dark	Surface	e (F7)		Red Par	ent Material (F21)
Sandy R	Redox (S5)		Redox Depres	sions (F	8)		Very Sh	allow Dark Surface (F22)
Stripped	Matrix (S6)		Marl (F10) (LR	R K, L)			Other (E	Explain in Remarks)
	rface (S7)			, ,			<u> </u>	, ,
³ Indicators o	f hydrophytic vegetat	ion and v	vetland hvdrology mi	ust be p	resent. ur	nless dist	urbed or problematic.	
	Layer (if observed):		, , , , , , , , , , , , , , , , , , , ,		,			
Type:	N/#	4						
Depth (ii	nches):						Hydric Soil Prese	nt? Yes <u>X</u> No
Remarks:								
								CS Field Indicators of Hydric Soils,
	2015 Errata. (http://w							

Project/Site: Mohawk Solar	City/County: Marshville/ Mongtomery Sampling Date: 8/23/	2018				
Applicant/Owner: Avantgrid	State: NY Sampling Point: 10pi	@Wet3D				
vestigator(s): B. Roosa, R. Wojcikiewicz Section, Township, Range: Canajoharie						
Landform (hillside, terrace, etc.): hillslope	Local relief (concave, convex, none): none Slope %:	5				
Subregion (LRR or MLRA): LRR R, MLRA 144A	Lat: <u>42.891619</u> Long: <u>-74.65413</u> Datum: <u>NAD8</u>	33				
Soil Map Unit Name: Fonda mucky silty clay loam	nNWI classification: N/A					
Are climatic / hydrologic conditions on the site typic	cal for this time of year? Yes X No (If no, explain in Remarks.)					
Are Vegetation, Soil, or Hydrology	significantly disturbed? Are "Normal Circumstances" present? Yes X No					
Are Vegetation, Soil, or Hydrology	naturally problematic? (If needed, explain any answers in Remarks.)					
SUMMARY OF FINDINGS – Attach site	e map showing sampling point locations, transects, important features,	etc.				
Hydrophytic Vegetation Present? Yes	No X Is the Sampled Area					
Hydric Soil Present? Yes	X No within a Wetland? Yes No X					
Wetland Hydrology Present? Yes	No X If yes, optional Wetland Site ID:					
Remarks: (Explain alternative procedures here or	r in a separate report.)					

Wetland Hydrology Indicators:			Secondary Indicators (minimum of two required)			
Primary Indicators (minimum of one is require	Surface Soil Cracks (B6)					
Surface Water (A1)	Drainage Patterns (B10)					
High Water Table (A2)	High Water Table (A2) Aquatic Fauna (B13)					
Saturation (A3)	Marl Deposits (B15)		Dry-Season Water Table (C2)			
Water Marks (B1)	Hydrogen Sulfide Odor (C1)		Crayfish Burrows (C8)			
Sediment Deposits (B2)	Oxidized Rhizospheres on Living Ro	ots (C3)	Saturation Visible on Aerial Imagery (C9)			
Drift Deposits (B3)	Presence 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 Surface (C7)	_	Shallow Aquitard (D3)			
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks)	_	Microtopographic Relief (D4)			
Sparsely Vegetated Concave Surface (B	8)		FAC-Neutral Test (D5)			
Field Observations:		_				
Surface Water Present? Yes	No X Depth (inches):					
Water Table Present? Yes	No X Depth (inches):					
Saturation Present? Yes	No X Depth (inches):	Wetland	Hydrology Present? Yes No X			
(includes capillary fringe)						
Describe Recorded Data (stream gauge, mor	nitoring well, aerial photos, previous inspec	ctions), if a	vailable:			
Describe Recorded Data (stream gauge, mor	nitoring well, aerial photos, previous inspec	ctions), if a	vailable:			
Describe Recorded Data (stream gauge, mo	nitoring well, aerial photos, previous inspec	ctions), if a	vailable:			
Describe Recorded Data (stream gauge, mor Remarks:	nitoring well, aerial photos, previous inspec	ctions), if a	vailable:			
	nitoring well, aerial photos, previous inspec	ctions), if a	vailable:			
	nitoring well, aerial photos, previous inspec	ctions), if a	vailable:			
	nitoring well, aerial photos, previous inspec	tions), if a	vailable:			
	nitoring well, aerial photos, previous inspec	xtions), if a	vailable:			
	nitoring well, aerial photos, previous inspec	xtions), if a	vailable:			
	nitoring well, aerial photos, previous inspec	xtions), if a	vailable:			
	nitoring well, aerial photos, previous inspec	xtions), if a	vailable:			
	nitoring well, aerial photos, previous inspec	xtions), if a	vailable:			

Sampling Point: 1Up@Wet3D

Tree Stratum (Plot size:30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. 2.				Number of Dominant Species That Are OBL, FACW, or FAC:0 (A)
3 4				Total Number of Dominant Species Across All Strata: <u>2</u> (B)
5 6				Percent of Dominant Species That Are OBL, FACW, or FAC: 0.0% (A/B)
7				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15)				OBL species 0 x 1 = 0
1				FACW species 0 x 2 = 0
2.				FAC species 0 x 3 = 0
3.				FACU species 95 x 4 = 380
4.				UPL species 5 x 5 = 25
5.				Column Totals: 100 (A) 405 (B)
6.				Prevalence Index = $B/A = 4.05$
7.				Hydrophytic Vegetation Indicators:
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
<u>Herb Stratum</u> (Plot size: 5)				2 - Dominance Test is >50%
1. Trifolium repens	60	Yes	FACU	3 - Prevalence Index is ≤3.0 ¹
2. Solidago canadensis	20	Yes	FACU	4 - Morphological Adaptations ¹ (Provide supporting
3. Taraxacum officinale	15	No	FACU	data in Remarks or on a separate sheet)
4. Daucus carota	5	No	UPL	Problematic Hydrophytic Vegetation ¹ (Explain)
5.			012	
6.				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
				Definitions of Vegetation Strata:
				Deminions of Vegetation Strata.
8				Tree – Woody plants 3 in. (7.6 cm) or more in
9				diameter at breast height (DBH), regardless of height.
10				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
11				
12		=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size:30) 1.				Woody vines – All woody vines greater than 3.28 ft in height.
2				
3				Hydrophytic Vegetation
4.				Present? Yes No X
		=Total Cover		
Remarks: (Include photo numbers here or on a sepa	rate sheet.)			

Profile Desc	ription: (Describe	to the de	pth needed to doc	ument tl	he indica	ator or co	onfirm the absence	of indicators.)
Depth	Matrix			x Featur				
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-10	10YR 3/2	95	10YR 6/8	5	С	М	Loamy/Clayey	Prominent redox concentrations
								Loam
¹ Type: C=Co	oncentration, D=Depl	letion. RN	/=Reduced Matrix.	/S=Mas	ked Sand	d Grains.	² Location:	PL=Pore Lining, M=Matrix.
Hydric Soil I		,	,					for Problematic Hydric Soils ³ :
Histosol			Polyvalue Belo	ow Surfa	ce (S8) (LRR R,		uck (A10) (LRR K, L, MLRA 149B)
	ipedon (A2)		MLRA 1498		. , .			Prairie Redox (A16) (LRR K, L, R)
Black His			Thin Dark Sur	, face (S9)) (LRR R	, MLRA 1		ucky Peat or Peat (S3) (LRR K, L, R)
	n Sulfide (A4)		High Chroma					ue Below Surface (S8) (LRR K, L)
	Layers (A5)		Loamy Mucky	-				ark Surface (S9) (LRR K, L)
	Below Dark Surface	e (A11)	Loamy Gleyed			. ,		anganese Masses (F12) (LRR K, L, R)
	rk Surface (A12)	()	Depleted Matr		,			ont Floodplain Soils (F19) (MLRA 149B)
	ucky Mineral (S1)		X Redox Dark S		6)			Spodic (TA6) (MLRA 144A, 145, 149B)
	leyed Matrix (S4)		Depleted Dark	•	'			irent Material (F21)
	edox (S5)		Redox Depres					nallow Dark Surface (F22)
	Matrix (S6)		Marl (F10) (LR		- /			Explain in Remarks)
	face (S7)			, _, _,				
³ Indicators of	hydrophytic vegetat	ion and v	vetland hydrology m	ust be pr	resent, ui	nless dist	urbed or problematic.	
	ayer (if observed):		, ,,		,			
Type:	N/A	4						
Depth (ir	iches):						Hydric Soil Prese	ent? Yes X No
Remarks:	·							
	m is revised from No	orthcentra	I and Northeast Red	ional Su	nnlemen	t Version	2.0 to include the NF	CS Field Indicators of Hydric Soils,
	2015 Errata. (http://w							
			-	_			,	

Project/Site: Mohawk Solar	City/County: Marshville/ Mongtomery Sampling Date: 8/24/2018						
Applicant/Owner: Avantgrid	State: NY Sampling Point: 1Wet@WetE						
Investigator(s): B. Roosa, R. Wojcikiewicz	Section, Township, Range: Canajoharie						
Landform (hillside, terrace, etc.): Swale Loca	al relief (concave, convex, none): <u>Concave</u> Slope %: <u>0-2</u>						
Subregion (LRR or MLRA): LRR R, MLRA 144A Lat: 42.896378	Long: <u>-74.638534</u> Datum: <u>NAD83</u>						
Soil Map Unit Name: Fluvaquents, loamy	NWI classification: PEM						
Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No (If no, explain in Remarks.)							
Are Vegetation, Soil, or Hydrologysignificantly distu	urbed? Are "Normal Circumstances" present? Yes X No						
Are Vegetation, Soil, or Hydrologynaturally problem	natic? (If needed, explain any answers in Remarks.)						
SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.							
Hydrophytic Vegetation Present? Yes X No	Is the Sampled Area						
Hydric Soil Present? Yes X No	within a Wetland? Yes X No						
Wetland Hydrology Present? Yes X No	If yes, optional Wetland Site ID:						
Remarks: (Explain alternative procedures here or in a separate report.)							

HYDROLOGY

Wetland Hydrology Indicat	tors:				Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)			Surface Soil Cracks (B6)		
Surface Water (A1)		Water-Stained Leaves (B9)			X Drainage Patterns (B10)
High Water Table (A2)		Aquati	c Fauna (B13)		Moss Trim Lines (B16)
Saturation (A3)		Marl D	eposits (B15)		Dry-Season Water Table (C2)
Water Marks (B1)		Hydrog	gen Sulfide Odor (C1)		Crayfish Burrows (C8)
Sediment Deposits (B2)		Oxidiz	ed Rhizospheres on Living R	oots (C3)	Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3)		Preser	nce of Reduced Iron (C4)		Stunted or Stressed Plants (D1)
Algal Mat or Crust (B4)		Recen	t Iron Reduction in Tilled Soil	ls (C6)	X Geomorphic Position (D2)
Iron Deposits (B5)		Thin M	luck Surface (C7)		Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks)			Microtopographic Relief (D4)		
Sparsely Vegetated Concave Surface (B8)				X FAC-Neutral Test (D5)	
Field Observations:					
Surface Water Present?	Yes	No X	Depth (inches):		
Water Table Present?	Yes	No X	Depth (inches):		
Saturation Present?	Yes	No X	Depth (inches):	Wetland Hydrology Present? Yes X No	
(includes capillary fringe)					
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:					

Remarks:

Wetland mostly sits in a swale, and creeps uphill into a mowed part of the field in the east. Flows as a drainage ditch though a culvert to draining a corn field which it borders to the south.

Sampling Point: 1Wet@WetE

<u>Tree Stratum</u> (Plot size: <u>30</u>)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. 2.				Number of Dominant Species That Are OBL, FACW, or FAC:1 (A)
3 4				Total Number of Dominant Species Across All Strata:1(B)
5. 6.				Percent of Dominant Species That Are OBL, FACW, or FAC:100.0% (A/B)
7				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15)				OBL species 20 x 1 = 20
1				FACW species 110 x 2 = 220
2.				FAC species $0 \times 3 = 0$
3.				FACU species 5 x 4 = 20
4.				UPL species 0 x 5 = 0
5				Column Totals: 135 (A) 260 (B)
				Prevalence Index = $B/A = 1.93$
б 7				Hydrophytic Vegetation Indicators:
··		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5)				X 2 - Dominance Test is >50%
	00	Vee		
1. Phalaris arundinacea	80	Yes	FACW	X 3 - Prevalence Index is $\leq 3.0^{1}$
2. Impatiens capensis	20	No	FACW	4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
3. Onoclea sensibilis	10	No	FACW	
4. <u>Carex lurida</u>	20	No	OBL	Problematic Hydrophytic Vegetation ¹ (Explain)
5. <u>Galium mollugo</u> 6	5	No	FACU	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7.				Definitions of Vegetation Strata:
8				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
				diameter at breast height (DDH), regardless of height.
10 11				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
12	135	=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
<u>Woody Vine Stratum</u> (Plot size: <u>30</u>) 1.				Woody vines – All woody vines greater than 3.28 ft in height.
2				hoight
2				Hydrophytic
				Vegetation
4		=Total Cover		Present? Yes X No
Remarks: (Include photo numbers here or on a sepa	arate sheet.)			

Image:	% Color (moist)	<u>% Type¹ Loc²</u>		Remarks Prominent redox conc. Loam
0-12 10YR 4/2 85 10YR 3/6 15 C PL Loamy/Clayey Prominent redox conc. Loa				
Image: Solution of the second seco	85 10YR 3/6	<u>15</u> <u>C</u> PL	Loamy/Clayey	Prominent redox conc. Loam
Hydric Soil Indicators: Indicators for Problematic Hydric Soils ³ : Histosol (A1) Polyvalue Below Surface (S8) (LRR R, Histic Epipedon (A2) MLRA 149B) Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) Hydrogen Sulfide (A4) High Chroma Sands (S11) (LRR K, L) Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Depleted Below Dark Surface (A11) Loamy Gleyed Matrix (F2) Thick Dark Surface (A12) X Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Sandy Gleyed Matrix (S4) Depleted Dark Surface (F7) Sandy Redox (S5) Redox Depressions (F8) Stripped Matrix (S6) Marl (F10) (LRR K, L) Dark Surface (S7) Other (Explain in Remarks)				
Hydric Soil Indicators: Indicators for Problematic Hydric Soils ³ : Histosol (A1) Polyvalue Below Surface (S8) (LRR R, Histic Epipedon (A2) MLRA 149B) Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) Hydrogen Sulfide (A4) High Chroma Sands (S11) (LRR K, L) Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Depleted Below Dark Surface (A11) Loamy Gleyed Matrix (F2) Thick Dark Surface (A12) X Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Sandy Gleyed Matrix (S4) Depleted Dark Surface (F7) Sandy Redox (S5) Redox Depressions (F8) Stripped Matrix (S6) Marl (F10) (LRR K, L) Dark Surface (S7) Other (Explain in Remarks)				
Hydric Soil Indicators: Indicators for Problematic Hydric Soils ³ : Histosol (A1) Polyvalue Below Surface (S8) (LRR R, Histic Epipedon (A2) MLRA 149B) Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) Hydrogen Sulfide (A4) High Chroma Sands (S11) (LRR K, L) Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Depleted Below Dark Surface (A11) Loamy Gleyed Matrix (F2) Thick Dark Surface (A12) X Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Sandy Gleyed Matrix (S4) Depleted Dark Surface (F7) Sandy Redox (S5) Redox Depressions (F8) Stripped Matrix (S6) Marl (F10) (LRR K, L) Dark Surface (S7) Other (Explain in Remarks)				
Hydric Soil Indicators: Indicators for Problematic Hydric Soils ³ : Histosol (A1) Polyvalue Below Surface (S8) (LRR R, Histic Epipedon (A2) MLRA 149B) Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) Hydrogen Sulfide (A4) High Chroma Sands (S11) (LRR K, L) Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Depleted Below Dark Surface (A11) Loamy Gleyed Matrix (F2) Thick Dark Surface (A12) X Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Sandy Gleyed Matrix (S4) Depleted Dark Surface (F7) Sandy Redox (S5) Redox Depressions (F8) Stripped Matrix (S6) Marl (F10) (LRR K, L) Dark Surface (S7) Other (Explain in Remarks)				
Hydric Soil Indicators: Indicators for Problematic Hydric Soils ³ : Histosol (A1) Polyvalue Below Surface (S8) (LRR R, Histic Epipedon (A2) MLRA 149B) Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) Hydrogen Sulfide (A4) High Chroma Sands (S11) (LRR K, L) Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Depleted Below Dark Surface (A11) Loamy Gleyed Matrix (F2) Thick Dark Surface (A12) X Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Sandy Gleyed Matrix (S4) Depleted Dark Surface (F7) Sandy Redox (S5) Redox Depressions (F8) Stripped Matrix (S6) Marl (F10) (LRR K, L) Dark Surface (S7) Other (Explain in Remarks)				
Hydric Soil Indicators: Indicators for Problematic Hydric Soils ³ : Histosol (A1) Polyvalue Below Surface (S8) (LRR R, Histic Epipedon (A2) MLRA 149B) Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) Hydrogen Sulfide (A4) High Chroma Sands (S11) (LRR K, L) Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Depleted Below Dark Surface (A11) Loamy Gleyed Matrix (F2) Thick Dark Surface (A12) X Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Sandy Gleyed Matrix (S4) Depleted Dark Surface (F7) Sandy Redox (S5) Redox Depressions (F8) Stripped Matrix (S6) Marl (F10) (LRR K, L) Dark Surface (S7) Other (Explain in Remarks)				
Hydric Soil Indicators: Indicators for Problematic Hydric Soils ³ : Histosol (A1) Polyvalue Below Surface (S8) (LRR R, Histic Epipedon (A2) MLRA 149B) Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) Hydrogen Sulfide (A4) High Chroma Sands (S11) (LRR K, L) Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Depleted Below Dark Surface (A11) Loamy Gleyed Matrix (F2) Thick Dark Surface (A12) X Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Sandy Gleyed Matrix (S4) Depleted Dark Surface (F7) Sandy Redox (S5) Redox Depressions (F8) Stripped Matrix (S6) Marl (F10) (LRR K, L) Dark Surface (S7) Other (Explain in Remarks)				
Hydric Soil Indicators: Indicators for Problematic Hydric Soils ³ : Histosol (A1) Polyvalue Below Surface (S8) (LRR R, Histic Epipedon (A2) MLRA 149B) Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) Hydrogen Sulfide (A4) High Chroma Sands (S11) (LRR K, L) Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Depleted Below Dark Surface (A11) Loamy Gleyed Matrix (F2) Thick Dark Surface (A12) X Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Sandy Gleyed Matrix (S4) Depleted Dark Surface (F7) Sandy Redox (S5) Redox Depressions (F8) Stripped Matrix (S6) Marl (F10) (LRR K, L) Dark Surface (S7) Other (Explain in Remarks)				
Hydric Soil Indicators: Indicators for Problematic Hydric Soils ³ : Histosol (A1) Polyvalue Below Surface (S8) (LRR R, Histic Epipedon (A2) Indicators for Problematic Hydric Soils ³ : Black Histic (A3) MLRA 149B) Coast Prairie Redox (A10) (LRR K, L, RL Stratified Layers (A5) Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Polyvalue Below Surface (S8) (LRR K, L) Depleted Below Dark Surface (A11) Loamy Gleyed Matrix (F2) Thin Dark Surface (F6) Sandy Mucky Mineral (S1) Redox Dark Surface (F7) Piedmont Floodplain Soils (F19) (MLRA 144A, 145, 1 Sandy Redox (S5) Redox Depressions (F8) Very Shallow Dark Surface (F22) Stripped Matrix (S6) Marl (F10) (LRR K, L) Other (Explain in Remarks)				
Hydric Soil Indicators: Indicators for Problematic Hydric Soils ³ : Histosol (A1) Polyvalue Below Surface (S8) (LRR R, Histic Epipedon (A2) Indicators for Problematic Hydric Soils ³ : Black Histic (A3) MLRA 149B) Coast Prairie Redox (A10) (LRR K, L, RL Stratified Layers (A5) Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Polyvalue Below Surface (S8) (LRR K, L) Depleted Below Dark Surface (A11) Loamy Gleyed Matrix (F2) Thin Dark Surface (F6) Sandy Mucky Mineral (S1) Redox Dark Surface (F7) Piedmont Floodplain Soils (F19) (MLRA 144A, 145, 1 Sandy Redox (S5) Redox Depressions (F8) Very Shallow Dark Surface (F22) Stripped Matrix (S6) Marl (F10) (LRR K, L) Other (Explain in Remarks)				
Hydric Soil Indicators: Indicators for Problematic Hydric Soils ³ : Histosol (A1) Polyvalue Below Surface (S8) (LRR R, Histic Epipedon (A2) Indicators for Problematic Hydric Soils ³ : Black Histic (A3) MLRA 149B) Coast Prairie Redox (A10) (LRR K, L, RL Stratified Layers (A5) Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Polyvalue Below Surface (S8) (LRR K, L) Depleted Below Dark Surface (A11) Loamy Gleyed Matrix (F2) Thin Dark Surface (F6) Sandy Mucky Mineral (S1) Redox Dark Surface (F7) Piedmont Floodplain Soils (F19) (MLRA 144A, 145, 1 Sandy Redox (S5) Redox Depressions (F8) Very Shallow Dark Surface (F22) Stripped Matrix (S6) Marl (F10) (LRR K, L) Other (Explain in Remarks)				
Hydric Soil Indicators: Indicators for Problematic Hydric Soils ³ : Histosol (A1) Polyvalue Below Surface (S8) (LRR R, Histic Epipedon (A2) Indicators for Problematic Hydric Soils ³ : Black Histic (A3) MLRA 149B) Coast Prairie Redox (A10) (LRR K, L, RL Stratified Layers (A5) Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Polyvalue Below Surface (S8) (LRR K, L) Depleted Below Dark Surface (A11) Loamy Gleyed Matrix (F2) Thin Dark Surface (F6) Sandy Mucky Mineral (S1) Redox Dark Surface (F7) Piedmont Floodplain Soils (F19) (MLRA 144A, 145, 1 Sandy Redox (S5) Redox Depressions (F8) Very Shallow Dark Surface (F22) Stripped Matrix (S6) Marl (F10) (LRR K, L) Other (Explain in Remarks)				
Hydric Soil Indicators: Indicators for Problematic Hydric Soils ³ : Histosol (A1) Polyvalue Below Surface (S8) (LRR R, Histic Epipedon (A2) Indicators for Problematic Hydric Soils ³ : Black Histic (A3) MLRA 149B) Coast Prairie Redox (A10) (LRR K, L, RL Stratified Layers (A5) Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Polyvalue Below Surface (S8) (LRR K, L) Depleted Below Dark Surface (A11) Loamy Gleyed Matrix (F2) Thin Dark Surface (F6) Sandy Mucky Mineral (S1) Redox Dark Surface (F7) Piedmont Floodplain Soils (F19) (MLRA 144A, 145, 1 Sandy Redox (S5) Redox Depressions (F8) Very Shallow Dark Surface (F22) Stripped Matrix (S6) Marl (F10) (LRR K, L) Other (Explain in Remarks)				
Hydric Soil Indicators: Indicators for Problematic Hydric Soils ³ : Histosol (A1) Polyvalue Below Surface (S8) (LRR R, Histic Epipedon (A2) Indicators for Problematic Hydric Soils ³ : Black Histic (A3) MLRA 149B) Coast Prairie Redox (A10) (LRR K, L, RL Stratified Layers (A5) Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Polyvalue Below Surface (S8) (LRR K, L) Depleted Below Dark Surface (A11) Loamy Gleyed Matrix (F2) Thin Dark Surface (F6) Sandy Mucky Mineral (S1) Redox Dark Surface (F7) Piedmont Floodplain Soils (F19) (MLRA 144A, 145, 1 Sandy Redox (S5) Redox Depressions (F8) Very Shallow Dark Surface (F22) Stripped Matrix (S6) Marl (F10) (LRR K, L) Other (Explain in Remarks)		. <u> </u>		
Histosol (A1) Polyvalue Below Surface (S8) (LRR R, 2 cm Muck (A10) (LRR K, L, MLRA 1499) Histic Epipedon (A2) MLRA 149B) 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) High Chroma Sands (S11) (LRR K, L) Polyvalue Below Surface (S8) (LRR K, L) Polyvalue Below Surface (S8) (LRR K, L) Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) Depleted Below Dark Surface (A11) Loamy Gleyed Matrix (F2) Thin Dark Surface (A12) Thick Dark Surface (A12) X Depleted Matrix (F3) Piedmont Floodplain Soils (F19) (MLRA 144A, 145, 1) Sandy Mucky Mineral (S1) Redox Dark Surface (F7) Red Parent Material (F21) Sandy Redox (S5) Redox Depressions (F8) Very Shallow Dark Surface (F22) Marl (F10) (LRR K, L) Other (Explain in Remarks) Other (Explain in Remarks) Bark Surface (S7) 3 Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.	ion, RM=Reduced Matrix, N	MS=Masked Sand Grains.	² Location: PL=Po	re Lining, M=Matrix.
Histic Epipedon (A2) MLRA 149B) 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, Hydrogen Sulfide (A4) High Chroma Sands (S11) (LRR K, L) Polyvalue Below Surface (S8) (LRR K, L) Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) Depleted Below Dark Surface (A11) Loamy Gleyed Matrix (F2) Thin Dark Surface (S9) (LRR K, L) Thick Dark Surface (A12) X Depleted Matrix (F3) Piedmont Floodplain Soils (F19) (MLRA 144A, 145, 1 Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Mesic Spodic (TA6) (MLRA 144A, 145, 1 Sandy Redox (S5) Sandy Redox (S5) Redox Depressions (F8) Very Shallow Dark Surface (F22) Stripped Matrix (S6) Marl (F10) (LRR K, L) Other (Explain in Remarks) Dark Surface (S7) 3 Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.				
Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) 5 cm Mucky Peat or Peat (S3) (LRR K, L Hydrogen Sulfide (A4) High Chroma Sands (S11) (LRR K, L) Polyvalue Below Surface (S8) (LRR K, L Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) Depleted Below Dark Surface (A11) Loamy Gleyed Matrix (F2) Iron-Manganese Masses (F12) (LRR K, L) Thick Dark Surface (A12) X Depleted Matrix (F3) Piedmont Floodplain Soils (F19) (MLRA 144A, 145, 12) Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Mesic Spodic (TA6) (MLRA 144A, 145, 14) Sandy Redox (S5) Redox Depressions (F8) Very Shallow Dark Surface (F22) Stripped Matrix (S6) Marl (F10) (LRR K, L) Other (Explain in Remarks) Dark Surface (S7) 3Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.				
Hydrogen Sulfide (A4) High Chroma Sands (S11) (LRR K, L) Polyvalue Below Surface (S8) (LRR K, L) Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) Depleted Below Dark Surface (A11) Loamy Gleyed Matrix (F2) Iron-Manganese Masses (F12) (LRR K, L) Thick Dark Surface (A12) X Depleted Matrix (F3) Piedmont Floodplain Soils (F19) (MLRA K, 144A, 145, 145, 145, 145, 145, 145, 145, 145		,		
Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) Depleted Below Dark Surface (A11) Loamy Gleyed Matrix (F2) Iron-Manganese Masses (F12) (LRR K, L) Thick Dark Surface (A12) X Depleted Matrix (F3) Piedmont Floodplain Soils (F19) (MLRA Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Mesic Spodic (TA6) (MLRA 144A, 145, 1) Sandy Redox (S5) Redox Depressions (F8) Very Shallow Dark Surface (F22) Stripped Matrix (S6) Marl (F10) (LRR K, L) Other (Explain in Remarks) Dark Surface (S7) 3 Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.				
Depleted Below Dark Surface (A11) Loamy Gleyed Matrix (F2) Iron-Manganese Masses (F12) (LRR K, Thick Dark Surface (A12) X Depleted Matrix (F3) Piedmont Floodplain Soils (F19) (MLRA Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Mesic Spodic (TA6) (MLRA 144A, 145, 1 Sandy Gleyed Matrix (S4) Depleted Dark Surface (F7) Red Parent Material (F21) Sandy Redox (S5) Redox Depressions (F8) Very Shallow Dark Surface (F22) Stripped Matrix (S6) Marl (F10) (LRR K, L) Other (Explain in Remarks) Dark Surface (S7) 3 Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.				
Thick Dark Surface (A12) X Depleted Matrix (F3) Piedmont Floodplain Soils (F19) (MLRA Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Mesic Spodic (TA6) (MLRA 144A, 145, 145, 145, 145, 145, 145, 145, 145				
Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Mesic Spodic (TA6) (MLRA 144A, 145, 1 Sandy Gleyed Matrix (S4) Depleted Dark Surface (F7) Red Parent Material (F21) Sandy Redox (S5) Redox Depressions (F8) Very Shallow Dark Surface (F22) Stripped Matrix (S6) Marl (F10) (LRR K, L) Other (Explain in Remarks) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Image: Comparison of the present is the present in the present is the present is the present in the present is the present is the present in the present in the present in the present is the present in the present is the present in the present in the present is the present in the present is the present in the present in the present in the present is the present in the present in the present in the present is the present in				
Sandy Gleyed Matrix (S4) Depleted Dark Surface (F7) Red Parent Material (F21) Sandy Redox (S5) Redox Depressions (F8) Very Shallow Dark Surface (F22) Stripped Matrix (S6) Marl (F10) (LRR K, L) Other (Explain in Remarks) Dark Surface (S7) 3Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.				
Sandy Redox (S5) Redox Depressions (F8) Very Shallow Dark Surface (F22) Stripped Matrix (S6) Marl (F10) (LRR K, L) Other (Explain in Remarks) Dark Surface (S7) 3 Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.				
Dark Surface (S7) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.			Very Shallow	Dark Surface (F22)
³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.	Marl (F10) (LF	₹R K, L)	Other (Explain	n in Remarks)
	ו and wetland hydrology m	ust be present, unless dist	turbed or problematic.	
Restrictive Layer (if observed):				
				V
Depth (inches): Yes X No			Hydric Soil Present?	Yes <u>^</u> No
Type: N/A Depth (inches): Remarks:		Polyvalue Belo MLRA 149B Thin Dark Surf High Chroma 3 Loamy Mucky A11) Loamy Gleyed X Depleted Matri Redox Dark Su Depleted Dark Redox Depres Marl (F10) (LR	Polyvalue Below Surface (S8) (LRR R , MLRA 149B) Thin Dark Surface (S9) (LRR R, MLRA High Chroma Sands (S11) (LRR K, L) Loamy Mucky Mineral (F1) (LRR K, L) A11) Loamy Gleyed Matrix (F2) X Depleted Matrix (F3) Redox Dark Surface (F6) Depleted Dark Surface (F7) Redox Depressions (F8) Marl (F10) (LRR K, L) h and wetland hydrology must be present, unless dist	Polyvalue Below Surface (S8) (LRR R, 2 cm Muck (A MLRA 149B) 2 cm Muck (A Thin Dark Surface (S9) (LRR R, MLRA 149B) 5 cm Mucky F High Chroma Sands (S11) (LRR K, L) Polyvalue Bel Loamy Mucky Mineral (F1) (LRR K, L) Polyvalue Bel X Depleted Matrix (F3) Piedmont Floo Redox Dark Surface (F6) Mesic Spodic Depleted Dark Surface (F7) Redox Depressions (F8) Marl (F10) (LRR K, L) Other (Explain

Project/Site: Mohaw	k Solar			City/County: Marshv	ille/ Mongtomery		Sampling Date: 8/	24/2018
Applicant/Owner:	Avantgrid				State:	NY	Sampling Point:	1Up@Wet3E
Investigator(s): B. Ro	oosa, R. W	ojcikiewicz		Section, Tov	wnship, Range: <u>C</u>	Canajoh	arie	
Landform (hillside, ter	race, etc.):	Flat	Loca	l relief (concave, conve	x, none): <u>Convex</u>	(Slope %	6: <u>0-1</u>
Subregion (LRR or MI	LRA): LR	R R, MLRA 144A	Lat: 42.896378	Long:	-74.638534		Datum: N	AD83
Soil Map Unit Name:	Fluvaque	nts, loamy			NWI classif	ication:	N/A	
Are climatic / hydrolog	gic conditio	ns on the site typic	al for this time of year?	Yes X	No	(If no, e	explain in Remarks.)	1
Are Vegetation	, Soil	, or Hydrology	significantly distu	urbed? Are "Norm	nal Circumstance	s" pres	ent? Yes <u>X</u> N	1 0
Are Vegetation	, Soil	, or Hydrology	naturally problem	natic? (If needed	l, explain any ans	swers ir	n Remarks.)	
SUMMARY OF F	INDING	6 – Attach site	map showing sar	npling point locat	ions, transec	cts, im	portant feature	s, etc.

Hydrophytic Vegetation Present?	Yes	No X	Is the Sampled Area					
Hydric Soil Present?	Yes	No X	within a Wetland? Yes No X					
Wetland Hydrology Present?	Yes	No X	If yes, optional Wetland Site ID:					
Remarks: (Explain alternative procedures here or in a separate report.)								

Wetland Hydrology Indicators:		Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one	is 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)	Oxidized Rhizospheres on Living R	Roots (C3) Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3)	Presence of Reduced Iron (C4)	Stunted or Stressed Plants (D1)
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soil	ils (C6) Geomorphic Position (D2)
Iron Deposits (B5)	Thin Muck Surface (C7)	Shallow Aquitard (D3)
Inundation Visible on Aerial Ima	agery (B7) Other (Explain in Remarks)	Microtopographic Relief (D4)
Sparsely Vegetated Concave S	urface (B8)	FAC-Neutral Test (D5)
Field Observations:		
Surface Water Present? Yes	No X Depth (inches):	
Water Table Present? Yes	No X Depth (inches):	
Saturation Present? Yes	No X Depth (inches):	Wetland Hydrology Present? Yes No X
(includes capillary fringe)		
Describe Recorded Data (stream ga	auge, monitoring well, aerial photos, previous inspe	pections), if available:
Remarks:		

Sampling Point: 1Up@Wet3E

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. 2.				Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A)
3 4				Total Number of Dominant Species Across All Strata: 1 (B)
5. 6.				Percent of Dominant Species That Are OBL, FACW, or FAC: 0.0% (A/B)
7				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
<u>Sapling/Shrub Stratum</u> (Plot size: 15)				OBL species 0 x 1 = 0
1				FACW species 15 x 2 = 30
2.				FAC species $0 \times 3 = 0$
3.				FACU species 115 x 4 = 460
4				UPL species 0 x 5 = 0
5.				Column Totals: 130 (A) 490 (B)
6				Prevalence Index = $B/A = 3.77$
7.				Hydrophytic Vegetation Indicators:
··		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5)				2 - Dominance Test is >50%
1. Silene flos-cuculi	75	Yes	FACU	$3 - Prevalence Index is \leq 3.0^{1}$
C Tanana afficiants		No	FACU	4 - Morphological Adaptations ¹ (Provide supporting
	20	No	FACU	data in Remarks or on a separate sheet)
	45			
4. Phalaris arundinacea	15	No	FACW	Problematic Hydrophytic Vegetation ¹ (Explain)
5 6				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
				Definitions of Vegetation Strata:
Q				Deminions of Vegetation offata.
9.				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
10				Sapling/shrub – Woody plants less than 3 in. DBH
11				and greater than or equal to 3.28 ft (1 m) tall.
12	130	=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
<u>Woody Vine Stratum</u> (Plot size: <u>30</u>) 1.				Woody vines – All woody vines greater than 3.28 ft in height.
1. 2.				
				Hydrophytic
				Vegetation Present? Yes No X
4		=Total Cover		Present? Yes <u>No X</u>
Remarks: (Include photo numbers here or on a sepa	rate sheet.)			

Profile Desc	ription: (Describe	to the de	pth needed to docu	iment ti	he indica	tor or co	onfirm the absence o	f indicators.)
Depth	Matrix		Redox	Featur	es			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-10	10YR 3/3	95	10YR 5/8	5	С	M	Loamy/Clayey	Prominent redox conc. Loam
·								
¹ Type: C=Co	ncentration, D=Depl	etion, RM	I=Reduced Matrix, M	IS=Mas	ked Sanc	l Grains.		L=Pore Lining, M=Matrix.
Hydric Soil I Histosol			Polyvalue Belov	w Surfa	ce (S8) (I	LRR R,		or Problematic Hydric Soils ³ : ick (A10) (LRR K, L, MLRA 149B)
Histic Ep	ipedon (A2)		MLRA 149B))			Coast Pr	rairie Redox (A16) (LRR K, L, R)
Black His	stic (A3)		Thin Dark Surfa	ace (S9)) (LRR R,	MLRA 1	49B) 5 cm Mu	icky Peat or Peat (S3) (LRR K, L, R)
Hydroger	n Sulfide (A4)		High Chroma S	ands (S	611) (LRF	R K, L)	Polyvalu	e Below Surface (S8) (LRR K, L)
Stratified	Layers (A5)		Loamy Mucky M	Mineral	(F1) (LR	R K, L)	Thin Dar	k Surface (S9) (LRR K, L)
	Below Dark Surface	e (A11)	Loamy Gleyed					nganese Masses (F12) (LRR K, L, R
	rk Surface (A12)	()	Depleted Matrix		,			nt Floodplain Soils (F19) (MLRA 149
	ucky Mineral (S1)		Redox Dark Su		6)			podic (TA6) (MLRA 144A, 145, 149 E
	leyed Matrix (S4)		Depleted Dark	•	,			ent Material (F21)
	edox (S5)		Redox Depress					allow Dark Surface (F22)
					5)			(xplain in Remarks)
	Matrix (S6) face (S7)		Marl (F10) (LRI	κ κ , ι)				
		ion and w	etland hydrology mu	ist he nr	esent ur	nless dist	urbed or problematic.	
	ayer (if observed):		ioliana nyarology ma		coont, ar			
Type:	N/A	λ						
Depth (in	ches):						Hydric Soil Preser	nt? Yes <u>No X</u>
Remarks:								
			I and Northeast Reginusda.gov/Internet/FS					CS Field Indicators of Hydric Soils,

Project/Site: Mohawk Solar		City/County: Marshvi	Ile/ Mongtomery	Sampling Date: 8/24/2018			
Applicant/Owner: Avantgrid			State: NY	Sampling Point: 1Wet@Wet3F			
Investigator(s): B. Roosa, R. Wojciki	iewicz	Section, Tov	vnship, Range: <u>Canajoha</u>	arie			
Landform (hillside, terrace, etc.): C	Channel (active)	Local relief (concave, conve	x, none): <u>concave</u>	Slope %: 5			
Subregion (LRR or MLRA): LRR R,	MLRA 144A Lat: 42	2.895519 Long:	-74.641964	Datum: NAD83			
Soil Map Unit Name: Lansing silt loa	am		NWI classification:	PEM			
Are climatic / hydrologic conditions or	n the site typical for thi	is time of year? Yes X	No (If no, e	explain in Remarks.)			
Are Vegetation, Soil,	or Hydrologysi	ignificantly disturbed? Are "Norm	al Circumstances" prese	ent? Yes X No			
Are Vegetation, Soil,	or Hydrologyn	aturally problematic? (If needed	, explain any answers in	Remarks.)			
SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.							
Hydrophytic Vegetation Present?	Yes X	No Is the Sampled Ar	ea				
Hydric Soil Present?	Yes X	No within a Wetland?	Yes X	No			
Wetland Hydrology Present?	Yes X	No If yes, optional We	tland Site ID:				
Remarks: (Explain alternative proce	dures here or in a sep	parate report.)					

Wetland Hydrology Indicators:		Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; ch	heck all that apply)	Surface Soil Cracks (B6)
Surface Water (A1)	Water-Stained Leaves (B9)	X 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) X	Oxidized Rhizospheres on Living Roc	ots (C3) Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3)	Presence of Reduced Iron (C4)	Stunted or Stressed Plants (D1)
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soils	(C6) X Geomorphic Position (D2)
Iron Deposits (B5)	Thin Muck Surface (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 No	X Depth (inches):	
Water Table Present? Yes No	X Depth (inches):	
Saturation Present? Yes No	X Depth (inches):	Wetland Hydrology Present? Yes X No
(includes capillary fringe)		
Describe Recorded Data (stream gauge, monitorir	ng well, aerial photos, previous inspec	tions), if available:
Remarks:		
Wetland is a blown out drainage of two ag fields a	and sits in a valley	

Sampling Point: 1Wet@Wet3F

1.Ailanthus altissima10YesUPLNumber of Dominant Species2Total Number of Dominant.3Total Number of Dominant45678apling/Shrub Stratum(Plot size: 15)1233456745674567891010 <td< th=""><th><u>Tree Stratum</u> (Plot size: 30)</th><th>Absolute % Cover</th><th>Dominant Species?</th><th>Indicator Status</th><th>Dominance Test worksheet:</th></td<>	<u>Tree Stratum</u> (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
2		10	Yes	UPL	
4.					
6.	1		·		
7. 10 =Total Cover Total % Cover of: Multiply by: 3. 15 0 FACW species 10 x 1 = 0 1.			·		
Saaina/Shrub Stratum (Plot size: 15) 15 15 15 15 1. 1 15 15 15 15 15 2. 15 15 15 15 15 15 3. 15 15 15 15 15 15 4. 15 15 15 15 15 15 6. 15 15 15 15 15 15 7. 1 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 <					Prevalence Index worksheet:
1.		10	=Total Cover		Total % Cover of: Multiply by:
2.	Sapling/Shrub Stratum (Plot size: 15)				OBL species 0 x 1 = 0
3.	1				FACW species 100 x 2 = 200
4.	2				FAC species 15 x 3 = 45
4.	3				FACU species <u>5</u> x 4 = <u>20</u>
5.	4				UPL species 30 x 5 =150
6.					Column Totals: 150 (A) 415 (B)
7.	<u> </u>				Prevalence Index = $B/A = 2.77$
Image: Stratum (Plot size:5_)	7				Hydrophytic Vegetation Indicators:
1. Impatiens capensis 20 No FACW X 3 - Prevalence Index is ≤3.0 ¹ 2. Phalaris arundinacea 80 Yes FACW 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) 3. Urtica dioica 10 No FAC 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) 4. Cirsium vulgare 5 No FACU Problematic Hydrophytic Vegetation ¹ (Explain) 5. Solidago juncea 20 No UPL ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. 6.			=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
2. Phalaris arundinacea 80 Yes FACW 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) 3. Urtica dioica 10 No FAC Problematic Hydrophytic Vegetation ¹ (Explain) 4. Cirsium vulgare 5 No FACU Problematic Hydrophytic Vegetation ¹ (Explain) 5. Solidago juncea 20 No UPL Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. 6.	Herb Stratum (Plot size: 5)				X 2 - Dominance Test is >50%
3. Urtica dioica 10 No FAC data in Remarks or on a separate sheet) 4. Cirsium vulgare 5 No FACU Problematic Hydrophytic Vegetation ¹ (Explain) 5. Solidago juncea 20 No UPL ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. 6.	1. Impatiens capensis	20	No	FACW	X 3 - Prevalence Index is $\leq 3.0^{1}$
3. Onloa dioloa 10 100 1 AC 1 AC 4. Cirsium vulgare 5 No FACU Problematic Hydrophytic Vegetation ¹ (Explain) 5. Solidago juncea 20 No UPL ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. 6.	2. Phalaris arundinacea	80	Yes	FACW	4 - Morphological Adaptations ¹ (Provide supporting
5. Solidago juncea 20 No UPL ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. 6.	3. Urtica dioica	10	No	FAC	data in Remarks or on a separate sheet)
6.	4. Cirsium vulgare	5	No	FACU	Problematic Hydrophytic Vegetation ¹ (Explain)
6.	5. Solidago juncea	20	No	UPL	¹ Indicators of hydric soil and wetland hydrology must
8.	6				
9.	7				Definitions of Vegetation Strata:
10.					
11.			·		diameter at breast height (DBH), regardless of height.
12.			·		
Image: Second			·		
Woody Vine Stratum (Plot size: 30) S Yes FAC Woody vines – All woody vines greater than 3.28 ft in height. 1. Vitis riparia 5 Yes FAC Height. 2.	12.	125	-Total Cavar		
1. Vitis riparia 5 Yes FAC height. 2.	Weady Vina Stratum (Plat size) 20	155			
2.	/	F	Vaa		
3.			res	FAC	neight.
4 Yegetation <u>5</u> =Total Cover Yes X No			·		Hydrophytic
5 =Total Cover					-
	4.				Present? Yes <u>X</u> No
Remarks: (Include photo numbers here or on a separate sheet.)			1		
	Remarks: (Include photo numbers here or on a sepa	rate sheet.)			

(inches) 0-10	Matrix		x Featur				
0-10	Color (moist) %	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
•	10YR 2/2 85	5 10YR 5/8	15	С	PL	Loamy/Clayey	Promoinent redox conc. Loam
Гуре: С=Со	oncentration, D=Depletion,	RM=Reduced Matrix, N	/IS=Mas	ked Sand	Grains.	² Location: P	L=Pore Lining, M=Matrix.
ydric Soil I	ndicators:					Indicators for	or Problematic Hydric Soils ³ :
Histosol		Polyvalue Belo		ce (S8) (I	.RR R,		ck (A10) (LRR K, L, MLRA 149B)
	pipedon (A2)	MLRA 149B	,				airie Redox (A16) (LRR K, L, R)
Black His		Thin Dark Surfa					cky Peat or Peat (S3) (LRR K, L, R
	n Sulfide (A4)	High Chroma S					e Below Surface (S8) (LRR K, L)
	Layers (A5)	Loamy Mucky			R K, L)		k Surface (S9) (LRR K, L)
	Below Dark Surface (A11			F2)			iganese Masses (F12) (LRR K, L, F
	ark Surface (A12)	X Depleted Matrix					t Floodplain Soils (F19) (MLRA 14
	lucky Mineral (S1)	X Redox Dark Su	-	-			bodic (TA6) (MLRA 144A, 145, 149
-	ileyed Matrix (S4)	Depleted Dark					ent Material (F21)
Sandy Re	edox (S5)	Redox Depress		8)			allow Dark Surface (F22)
	Matrix (S6)	Marl (F10) (LR	R K, L)			Other (E	xplain in Remarks)
Dark Sur	face (S7)						
ndicators of	f hydrophytic vegetation an	nd wetland hydrology mu	ust be pr	resent. ur	less dist	urbed or problematic.	
	_ayer (if observed):						
Туре:	N/A						
Depth (in	iches):					Hydric Soil Preser	nt? Yes <u>X</u> No
Remarks:							
This data forr	m is revised from Northcer	ntral and Northeast Regi	ional Su	pplement	Version	2.0 to include the NRC	CS Field Indicators of Hydric Soils,
	m is revised from Northcer 2015 Errata. (http://www.n						CS Field Indicators of Hydric Soils
Version 7.0, 2							
/ersion 7.0, 2							
version 7.0, 2							
/ersion 7.0, ź							
Version 7.0, ź							
/ersion 7.0, ź							
/ersion 7.0, ź							
/ersion 7.0, ź							

Project/Site: Moha	awk Solar		C	City/County: Marshville/ Mongtomer	у	Sampling Date: 8/24/2018
Applicant/Owner:	Avantgri	d		State:	NY	Sampling Point: 1Up@Wet3F
Investigator(s): B. I	Roosa, R. V	Vojcikiewicz		Section, Township, Range:	Canajoh	arie
Landform (hillside, t	errace, etc.): Hillslope	Local rel	ief (concave, convex, none): <u>Conca</u>	ave	Slope %: 15
Subregion (LRR or I	MLRA): L	RR R, MLRA 144A	Lat: 42.895637	Long: -74.641988		Datum: NAD83
Soil Map Unit Name	: Lansing	silt loam		NWI class	ification:	N/A
Are climatic / hydrol	ogic conditi	ons on the site typic	al for this time of year?	Yes X No	(If no, e	explain in Remarks.)
Are Vegetation	, Soil	, or Hydrology	significantly disturbe	d? Are "Normal Circumstanc	es" pres	ent? Yes X No
Are Vegetation	, Soil	, or Hydrology	naturally problematic	? (If needed, explain any a	nswers ir	Remarks.)
SUMMARY OF	FINDING	S – Attach site	map showing sampl	ing point locations, transe	cts, im	portant features, etc.

Hydrophytic Vegetation Present?	Yes	No X	Is the Sampled Area
Hydric Soil Present?	Yes	No X	within a Wetland? Yes No X
Wetland Hydrology Present?	Yes	No X	If yes, optional Wetland Site ID:
Remarks: (Explain alternative procedures	here or in a s	eparate report.)	

Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)	
Primary Indicators (minimum of one is require	Surface Soil Cracks (B6)	
Surface Water (A1)	Drainage Patterns (B10)	
High Water Table (A2)	Moss Trim Lines (B16)	
Saturation (A3)	Dry-Season Water Table (C2)	
Water Marks (B1)	Crayfish Burrows (C8)	
Sediment Deposits (B2)	Oxidized Rhizospheres on Living Ro	oots (C3) Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3)	Presence of Reduced Iron (C4)	Stunted or Stressed Plants (D1)
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soils	ls (C6) Geomorphic Position (D2)
Iron Deposits (B5)	Thin Muck Surface (C7)	Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7)	Other (Explain in Remarks)	Microtopographic Relief (D4)
Sparsely Vegetated Concave Surface (B8	8)	FAC-Neutral Test (D5)
Field Observations:		
Surface Water Present? Yes	No X Depth (inches):	
Water Table Present? Yes	No X Depth (inches):	
Saturation Present? Yes	No X Depth (inches):	Wetland Hydrology Present? Yes No X
(includes capillary fringe)		
Describe Recorded Data (stream gauge, mon	nitoring well, aerial photos, previous inspec	ections), if available:
Remarks:		

Sampling Point: 1Up@Wet3F

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. 2.		·		Number of Dominant Species That Are OBL, FACW, or FAC:1 (A)
3. 4.				Total Number of Dominant Species Across All Strata:5(B)
5. 6.				Percent of Dominant Species That Are OBL, FACW, or FAC:
7				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15)				OBL species 0 x 1 = 0
1.				FACW species 20 x 2 = 40
2.				FAC species 0 x 3 = 0
3.				FACU species 50 x 4 = 200
4.				UPL species 50 x 5 = 250
<i>E</i>				Column Totals: 120 (A) 490 (B)
6				Prevalence Index = $B/A = 4.08$
7				Hydrophytic Vegetation Indicators:
/		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
<u>Herb Stratum</u> (Plot size: 5)				2 - Dominance Test is >50%
1. Setaria viridis	30	Yes	UPL	3 - Prevalence Index is $\leq 3.0^{1}$
				4 - Morphological Adaptations ¹ (Provide supporting
2. Phalaris arundinacea	20	Yes	FACW	data in Remarks or on a separate sheet)
3. Trifolium repens	30	Yes	FACU	
4. Lotus corniculatus	20	Yes	FACU	Problematic Hydrophytic Vegetation ¹ (Explain)
5. Avena sativa 6.	20	Yes	UPL	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7.				Definitions of Vegetation Strata:
8.				Tree – Woody plants 3 in. (7.6 cm) or more in
9.				diameter at breast height (DBH), regardless of height.
10.				Conting/objub Weady plants less than 2 in DDU
11				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
12.				
	120	=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30)				
1,,				Woody vines – All woody vines greater than 3.28 ft in height.
2.				
				Hydrophytic
				Vegetation Present? Yes No X
4		=Total Cover		
Demositor (Include photo numbero horo er en e con	rate aboat)			
Remarks: (Include photo numbers here or on a sepa	arate sheet.)			

Profile Desc	ription: (Describe	to the dep	oth needed to docu	ument t	he indica	tor or co	onfirm the absence of ind	icators.)	
Depth	Matrix			x Featur					
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Rema	rks
0-8	10YR 4/3	100					Loamy/Clayey	Loar	n
1 Type: C=Cc	ncentration, D=Dep	etion RM	=Reduced Matrix	IS=Mas	ked Sand	Grains	² Location: PL=P	ore Lining M=Ma	atrix
Hydric Soil I						orano.	Indicators for Pr	-	
Histosol			Polyvalue Belo	w Surfa	ce (S8) (I	RR R		(LRR K, L,	
	ipedon (A2)		MLRA 149B					Redox (A16) (LI	,
Black His			Thin Dark Surfa	,		MI RA 1		Peat or Peat (S3	-
	n Sulfide (A4)		High Chroma S					low Surface (S8)	
	Layers (A5)		Loamy Mucky					rface (S9) (LRR	
	Below Dark Surface	e (A11)	Loamy Gleyed			, =/		ese Masses (F12	
	rk Surface (A12)	,,,,,,	Depleted Matri)			-	19) (MLRA 149B)
	ucky Mineral (S1)		Redox Dark Su		-6)				44A, 145, 149B)
	leyed Matrix (S4)		Depleted Dark		-		Red Parent N		,
	edox (S5)		Redox Depress					Dark Surface (F	(22)
	Matrix (S6)		Marl (F10) (LR	•	-)			n in Remarks))
	face (S7)			, _/					
³ Indicators of	hydrophytic vegetat	ion and w	etland hvdrology mu	ust be pr	resent. ur	nless dist	urbed or problematic.		
	ayer (if observed):		, , ,	•	,				
Type:	Roc								
Depth (in	ches):	8					Hydric Soil Present?	Yes	No X
		0						163	
Remarks:	n is revised from No	rtheoptrol	and Northagat Dag	ional Cu	nnlamani	Waraian	2.0 to include the NDCS F	iald Indiantara of	Lludria Caila
	2015 Errata. (http://v						2.0 to include the NRCS F	ield indicators of	Hydric Solis,
V 0101011 7.0, 7		///////////////////////////////////////			SOMENT	0/11/00 14/	202_001200.00000		

Project/Site: Mohawk Solar		City/0	County: Marshville, Montgomery	Sampling Date: 9/4/2018
Applicant/Owner: Avantgrid			State: NY	Sampling Point: 1wet@wet3H
Investigator(s): SZ, SB			Section, Township, Range: Town o	of Canajoharie
Landform (hillside, terrace, etc.):	Swale	Local relief (concave, convex, none): Concave	Slope %: 2
Subregion (LRR or MLRA): LRR	R, MLRA 144A Lat:	42.896859	Long: <u>-74.617312</u>	Datum: NAD 83
Soil Map Unit Name: Ilion silt loar	m		NWI classification	I: PEM
Are climatic / hydrologic conditions	s on the site typical for	this time of year?	Yes X No (If no,	, explain in Remarks.)
Are Vegetation, Soil	, or Hydrology	significantly disturbed?	Are "Normal Circumstances" pres	sent? Yes X No
Are Vegetation, Soil	_, or Hydrology	naturally problematic?	(If needed, explain any answers i	in Remarks.)
SUMMARY OF FINDINGS	– Attach site map	showing sampling	g point locations, transects, in	nportant features, etc.
Hydrophytic Vegetation Present?	Yes X	No Is t	the Sampled Area	
Hydric Soil Present?	Yes X	No wit	thin a Wetland? Yes <u>X</u>	No
Wetland Hydrology Present?	Yes X	No If y	es, optional Wetland Site ID:	
Remarks: (Explain alternative pro	ocedures here or in a s	separate report.)		

Wetland Hydrology Indicators:			Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is requi	Surface Soil Cracks (B6)		
X Surface Water (A1)	Drainage Patterns (B10)		
High Water Table (A2)	Aquatic Fauna (B13)		Moss Trim Lines (B16)
X Saturation (A3)	Marl Deposits (B15)		Dry-Season Water Table (C2)
Water Marks (B1)	Hydrogen Sulfide Odor (C1)		Crayfish Burrows (C8)
Sediment Deposits (B2)	Oxidized Rhizospheres on Livin	g Roots (C3)	Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3)	Presence 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 Surface (C7)		X Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B	7) Other (Explain in Remarks)		Microtopographic Relief (D4)
Sparsely Vegetated Concave Surface (B8)		X FAC-Neutral Test (D5)
Field Observations:			
Surface Water Present? Yes X	No Depth (inches): 1		
Water Table Present? Yes	No X Depth (inches):	-	
Saturation Present? Yes X	No Depth (inches): 0		nd Hydrology Present? Yes X No
(includes capillary fringe)		-	
Describe Recorded Data (stream gauge, mo	onitoring well, aerial photos, previous ir	spections), if	available:
Remarks:			

Sampling Point: 1wet@wet3H

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
/	% Cover	Species?	Status	Dominance rest worksheet.
1				Number of Dominant Species
2				That Are OBL, FACW, or FAC: 1 (A)
3			·	Total Number of Dominant
4				Species Across All Strata: 1 (B)
5				Percent of Dominant Species
6				That Are OBL, FACW, or FAC: 100.0% (A/B)
7				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
<u>Sapling/Shrub Stratum</u> (Plot size: 15)				OBL species 5 x 1 = 5
1.				FACW species 90 x 2 = 180
2.				FAC species $0 \times 3 = 0$
				FACU species 0 x 4 = 0
				UPL species $0 \times 5 = 0$
				Column Totals: 95 (A) 185 (B)
6.				Prevalence Index = B/A = <u>1.95</u>
7				Hydrophytic Vegetation Indicators:
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5)				X 2 - Dominance Test is >50%
1. Phalaris arundinacea	80	Yes	FACW	X_3 - Prevalence Index is ≤3.0 ¹
2. Polygonum sagittatum	5	No	OBL	4 - Morphological Adaptations ¹ (Provide supporting
3. Eupatorium perfoliatum	5	No	FACW	data in Remarks or on a separate sheet)
4. Verbena hastata	5	No	FACW	Problematic Hydrophytic Vegetation ¹ (Explain)
5.				
				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
				Definitions of Vegetation Strata:
o				
				Tree – Woody plants 3 in. (7.6 cm) or more in
9				diameter at breast height (DBH), regardless of height.
10				Sapling/shrub – Woody plants less than 3 in. DBH
11				and greater than or equal to 3.28 ft (1 m) tall.
12				Herb – All herbaceous (non-woody) plants, regardless
	95	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30)				Woody vines – All woody vines greater than 3.28 ft in
1				height.
2.				
3.				Hydrophytic Vegetation
4.				Present? Yes X No
		=Total Cover		
Remarks: (Include photo numbers here or on a sepa	rate sheet)			

Profile Desc	ription: (Describe	to the de	pth needed to docu	ument ti	he indica	ator or co	onfirm the absence of i	ndicators.)
Depth	Matrix		Redox	x Featur	es			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-6	10YR 2/1	90	7.5YR 5/8	10	С	М	Loamy/Clayey	Prominent redox concentrations
17 0.0						<u> </u>	21 11 51	B
Hydric Soil I		etion, RI	/I=Reduced Matrix, N	/IS=Masi	ked Sand	d Grains.		Pore Lining, M=Matrix.
Histosol			Polyvalue Belo	w Surfa	ce (S8) (Problematic Hydric Soils ³ : (A10) (LRR K, L, MLRA 149B)
	ipedon (A2)		MLRA 149B		ce (30) (LKK K,		rie Redox (A16) (LRR K, L, R)
Black His			Thin Dark Surf	/				ky Peat or Peat (S3) (LRR K, L, R)
	n Sulfide (A4)		High Chroma S		-			Below Surface (S8) (LRR K, L)
	Layers (A5)		Loamy Mucky					Surface (S9) (LRR K, L)
	Below Dark Surface	(11)	Loamy Gleyed			Κ Κ, Ε)		anese Masses (F12) (LRR K, L, R)
· · ·		= (ATT)	Depleted Matri		[2]			
	rk Surface (A12)		X Redox Dark Su		()			Floodplain Soils (F19) (MLRA 149B)
	ucky Mineral (S1)				,			dic (TA6) (MLRA 144A, 145, 149B)
	leyed Matrix (S4)		Depleted Dark					nt Material (F21)
	edox (S5) Matrix (S6)		Redox Depress		0)			ow Dark Surface (F22) blain in Remarks)
	Matrix (S6) face (S7)		Marl (F10) (LR	κ κ, ι)				
	Tace (37)							
³ Indicators of	hydrophytic vegetat	ion and v	vetland hydrology mi	ist be pr	resent u	nless dist	urbed or problematic.	
	ayer (if observed):							
Type:	Clay com							
Depth (ir	iches):	6					Hydric Soil Present	? Yes X No
Remarks:	/						,	
	m is revised from No	rthcentra	I and Northeast Reg	ional Su	pplemen	t Version	2.0 to include the NRCS	Field Indicators of Hydric Soils,
			.usda.gov/Internet/FS					· · · · · · · · · · · · · · · · · · ·

Project/Site: Mohaw	/k Solar				City/County: Marshvi	ille, Montgomer	у	Sampling Date: 9/4/2018
Applicant/Owner:	Avantgrid					State:	: NY	Sampling Point: 1Up@wet3H
Investigator(s): SZ, S	SB				Section, Tov	wnship, Range:	Town of	f Canajoharie
Landform (hillside, ter	race, etc.):	Hillslope		Local re	elief (concave, conve	x, none): <u>Conv</u>	ex	Slope %: <u>3-5</u>
Subregion (LRR or MI	LRA): LRR	R, MLRA 144A	Lat:	42.896964	Long:	-74.617311		Datum: NAD 83
Soil Map Unit Name:	Ilion silt loan	n				NWI class	sification	: PEM
Are climatic / hydrolog	gic conditions	on the site typic	al for	this time of year?	Yes X	No	(If no,	explain in Remarks.)
Are Vegetation	, Soil	, or Hydrology		significantly disturb	ed? Are "Norm	nal Circumstand	ces" pres	sent? Yes X No
Are Vegetation	, Soil	, or Hydrology		naturally problemat	tic? (If needed	l, explain any a	nswers i	n Remarks.)
SUMMARY OF F	INDINGS -	- Attach site	map	showing same	pling point locat	ions, transe	ects, in	nportant features, etc.
Hydrophytic Vegetati	ion Present?	Yes	х	No	Is the Sampled Ar	rea		

Hydrophytic Vegetation Present?	Yes No		within a Wetland? Yes No X
Wetland Hydrology Present?	Yes No		If yes, optional Wetland Site ID:
Remarks: (Explain alternative procedure	s here or in a separa	ate report.)	·

Wetland Hydrology Indicators:		Secondary Indicators (minimum of two required)
Primary Indicators (minimum of on	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)	Oxidized Rhizospheres on Living F	g Roots (C3) Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3)	Presence of Reduced Iron (C4)	Stunted or Stressed Plants (D1)
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled So	Soils (C6) Geomorphic Position (D2)
Iron Deposits (B5)	Thin Muck Surface (C7)	Shallow Aquitard (D3)
Inundation Visible on Aerial Im	nagery (B7) Other (Explain in Remarks)	Microtopographic Relief (D4)
Sparsely Vegetated Concave S	Surface (B8)	X FAC-Neutral Test (D5)
Field Observations:		
Surface Water Present? Yes	No X Depth (inches):	
Water Table Present? Yes	No X Depth (inches):	-
Saturation Present? Yes	No X Depth (inches):	Wetland Hydrology Present? Yes No X
(includes capillary fringe)		-
Describe Recorded Data (stream g	gauge, monitoring well, aerial photos, previous insp	spections), if available:
Remarks:		

Sampling Point: 1Up@wet3H

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. 2.				Number of Dominant Species That Are OBL, FACW, or FAC:1 (A)
3 4				Total Number of Dominant Species Across All Strata:1(B)
5 6				Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100.0%</u> (A/B)
7				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
<u>Sapling/Shrub Stratum</u> (Plot size: 15)				OBL species 0 x 1 = 0
1				FACW species $40 \times 2 = 80$
2.				FAC species 0 x 3 = 0
3.				FACU species 20 x 4 = 80
				UPL species $15 \times 5 = 75$
5				Column Totals: 75 (A) 235 (B)
6				Prevalence Index = B/A = <u>3.13</u>
7				Hydrophytic Vegetation Indicators:
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5)				X 2 - Dominance Test is >50%
1. Phalaris arundinacea	40	Yes	FACW	3 - Prevalence Index is ≤3.0 ¹
2. Vicia cracca	10	No	UPL	4 - Morphological Adaptations ¹ (Provide supporting
3. Taraxacum officinale	5	No	FACU	data in Remarks or on a separate sheet)
4. Trifolium repens	5	No	FACU	Problematic Hydrophytic Vegetation ¹ (Explain)
5. Galium mollugo	10	No	FACU	¹ Indicators of hydric soil and wetland hydrology must
6. Asclepias syriaca	5	No	UPL	be present, unless disturbed or problematic.
7.				Definitions of Vegetation Strata:
8.				
9.				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
10.				
11				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
12				Herb – All herbaceous (non-woody) plants, regardless
	75	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size:30) 1.				Woody vines – All woody vines greater than 3.28 ft in height.
2.				
3.				Hydrophytic
4.				Vegetation Present? Yes X No
		=Total Cover		
Demonitor (include abote numbers berg en en e				
Remarks: (Include photo numbers here or on a sepa	arate sheet.)			

Profile Desc	ription: (Describe	o the de				tor or co	onfirm the absence o	f indicators.)		
Depth	Matrix			x Featur		2				
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Rem	arks	
0-16	10YR 3/2	98	7.5YR 3/2	2	С	М	Loamy/Clayey	Faint redox co	oncentration	IS
							·			
·			·							
¹ Type: C=Co	oncentration, D=Depl	etion, RN	I=Reduced Matrix, M	1S=Mas	ked Sand	l Grains.	² Location: P	L=Pore Lining, M=M	latrix.	
Hydric Soil I	Indicators:						Indicators for	or Problematic Hyd	lric Soils ³ :	
Histosol	(A1)		Polyvalue Belo	w Surfa	ce (S8) (I	LRR R,	2 cm Mu	ck (A10) (LRR K, L	, MLRA 149	9B)
Histic Ep	oipedon (A2)		MLRA 149B)			Coast Pr	airie Redox (A16) (I	RR K, L, R	R)
Black Hi	stic (A3)		Thin Dark Surfa	ace (S9) (LRR R	, MLRA 1	49B) 5 cm Mu	cky Peat or Peat (S	3) (LRR K,	L, R)
Hydroge	n Sulfide (A4)		High Chroma S	Sands (S	611) (LRF	R K, L)	Polyvalu	e Below Surface (S	B) (LRR K, I	L)
Stratified	l Layers (A5)		Loamy Mucky	Mineral	(F1) (LRI	R K, L)	Thin Dar	k Surface (S9) (LRF	R K, L)	
Depleted	Below Dark Surface	e (A11)	Loamy Gleyed	Matrix (F2)		Iron-Mar	nganese Masses (F1	12) (LRR K ,	L, R)
Thick Da	ark Surface (A12)		Depleted Matri	x (F3)			Piedmon	nt Floodplain Soils (F	⁼ 19) (MLRA	149B)
Sandy M	lucky Mineral (S1)		Redox Dark Su	ırface (F	-6)			podic (TA6) (MLRA	144A, 145,	149B)
Sandy G	ileyed Matrix (S4)		Depleted Dark	Surface	e (F7)			ent Material (F21)		
Sandy R	edox (S5)		Redox Depress	sions (F	8)		Very Shallow Dark Surface (F22)			
Stripped	Matrix (S6)		Marl (F10) (LR	R K, L)			Other (E	xplain in Remarks)		
Dark Sur	face (S7)									
³ Indicators of	f hydrophytic vegetat	ion and w	etland hydrology mι	ist be pi	resent, ur	iless dist	urbed or problematic.			
	_ayer (if observed):									
Type:	N/A	\								
Depth (ir	nches):						Hydric Soil Preser	nt? Yes	No	Х
Remarks:										
							2.0 to include the NRC	CS Field Indicators of	of Hydric So	oils,
Version 7.0,	2015 Errata. (http://w	ww.nrcs.	usda.gov/Internet/FS	SE_DOO	CUMENT	S/nrcs14	2p2_051293.docx)			

Project/Site: Mohawk Solar	City/County: Marshville, Montgomery Sampling Date: 9/4/20	018
Applicant/Owner: Avantgrid	State: NY Sampling Point: 1wet	t@wet3I
Investigator(s): SZ, SB	Section, Township, Range: Town of Canajoharie	
Landform (hillside, terrace, etc.): Hillside seep	Local relief (concave, convex, none): Concave Slope %:	0-2
Subregion (LRR or MLRA): LRR R, MLRA 144A L	Lat: <u>42.888599</u> Long: <u>-74.612746</u> Datum: <u>NAD</u> 8	83
Soil Map Unit Name: Darien silt loam	NWI classification: PEM	
Are climatic / hydrologic conditions on the site typical	al for this time of year? Yes X No (If no, explain in Remarks.)	
Are Vegetation, Soil, or Hydrology	significantly disturbed? Are "Normal Circumstances" present? Yes X No	
Are Vegetation, Soil, or Hydrology	naturally problematic? (If needed, explain any answers in Remarks.)	
SUMMARY OF FINDINGS – Attach site m	map showing sampling point locations, transects, important features, e	etc.
Hydrophytic Vegetation Present? Yes	X No Is the Sampled Area	
Hydric Soil Present? Yes	X No within a Wetland? Yes X No	
Wetland Hydrology Present? Yes	X No If yes, optional Wetland Site ID:	
Remarks: (Explain alternative procedures here or in	n a separate report.)	

Wetland Hydrology Indicators:			Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required	Surface Soil Cracks (B6)		
X Surface Water (A1)	Water-Stained Leaves (B9)		Drainage Patterns (B10)
X 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)	Oxidized Rhizospheres on Living Ro	ots (C3)	Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3)	Presence of Reduced Iron (C4)		Stunted or Stressed Plants (D1)
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soils	s (C6)	Geomorphic Position (D2)
Iron Deposits (B5)	Thin Muck Surface (C7)		Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7)	Other (Explain in Remarks)		Microtopographic Relief (D4)
Sparsely Vegetated Concave Surface (B8))		X FAC-Neutral Test (D5)
Field Observations:			
Surface Water Present? Yes X	No Depth (inches): 1		
Water Table Present? Yes X	No Depth (inches): 0		
	d Ubuduala au Duas aut? Vas V Na		
Saturation Present? Yes X	No Depth (inches): 0	Wetlan	d Hydrology Present? Yes X No
(includes capillary fringe)		Wetlan	a Hydrology Present? Tes 🗼 No
			· · · · · · · · · · · · · · · · · · ·
(includes capillary fringe)			· · · · · · · · · · · · · · · · · · ·
(includes capillary fringe)			· · · · · · · · · · · · · · · · · · ·
(includes capillary fringe)			· · · · · · · · · · · · · · · · · · ·
(includes capillary fringe) Describe Recorded Data (stream gauge, moni			· · · · · · · · · · · · · · · · · · ·
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(includes capillary fringe) Describe Recorded Data (stream gauge, moni			· · · · · · · · · · · · · · · · · · ·

Sampling Point: 1wet@wet3I

<u>Tree Stratum</u> (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. <u> </u>				
2.				Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A)
3				Total Number of Dominant
4				Species Across All Strata: 2 (B)
5 6				Percent of Dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B)
7.				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15)				OBL species 30 x 1 = 30
1.				FACW species 50 x 2 = 100
2.				FAC species $0 \times 3 = 0$
3.				FACU species 0 x 4 = 0
4.				UPL species 0 x 5 = 0
5.				Column Totals: 80 (A) 130 (B)
6.				Prevalence Index = B/A = 1.63
7.				Hydrophytic Vegetation Indicators:
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5)				X 2 - Dominance Test is >50%
1. Typha angustifolia	20	Yes	OBL	X_3 - Prevalence Index is ≤3.0 ¹
2. Symphyotrichum novae-angliae	25	Yes	FACW	4 - Morphological Adaptations ¹ (Provide supporting
3. Eupatorium perfoliatum	15	No	FACW	data in Remarks or on a separate sheet)
4. Carex lurida	10	No	OBL	Problematic Hydrophytic Vegetation ¹ (Explain)
5. Onoclea sensibilis	10	No	FACW	¹ Indicators of hydric soil and wetland hydrology must
6				be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8 9				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
10.				Senting/shuth Wesdy plants loss than 2 in DDU
11.				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
12	80	=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30)				Woody vines – All woody vines greater than 3.28 ft in
1				height.
2				
3				Hydrophytic Vegetation
4				Present? Yes X No
		=Total Cover		
Remarks: (Include photo numbers here or on a sepa	rate sheet.)			

Profile Desc	ription: (Describe	to the de	pth needed to docu	ument t	he indica	tor or co	onfirm the absence o	of indicators.)
Depth	Matrix		Redox	x Featur	res			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-16	10YR 2/1	90	7.5YR 5/8	10	С	М	Loamy/Clayey	Prominent redox concentrations
·								
·								
	r							
¹ Type: C=Co	oncentration, D=Depl	etion, RN	/I=Reduced Matrix, M	/IS=Mas	ked Sand	l Grains.	² Location: F	PL=Pore Lining, M=Matrix.
Hydric Soil I	ndicators:						Indicators f	or Problematic Hydric Soils ³ :
Histosol	(A1)		Polyvalue Belo	w Surfa	ce (S8) (I	LRR R,	2 cm M	uck (A10) (LRR K, L, MLRA 149B)
Histic Ep	ipedon (A2)		MLRA 149B)			Coast P	rairie Redox (A16) (LRR K, L, R)
Black His			Thin Dark Surfa				49B) 5 cm M	ucky Peat or Peat (S3) (LRR K, L, R)
Hydroger	n Sulfide (A4)		High Chroma S	Sands (S	611) (LRF	R K, L)	Polyvalı	ue Below Surface (S8) (LRR K, L)
	Layers (A5)		Loamy Mucky I			R K, L)		rk Surface (S9) (LRR K, L)
	Below Dark Surface	e (A11)	Loamy Gleyed		F2)			nganese Masses (F12) (LRR K, L, R)
	rk Surface (A12)		Depleted Matrix					nt Floodplain Soils (F19) (MLRA 149B)
	ucky Mineral (S1)		X Redox Dark Su		-			podic (TA6) (MLRA 144A, 145, 149B)
	leyed Matrix (S4)		Depleted Dark					rent Material (F21)
	edox (S5)		Redox Depress		8)			allow Dark Surface (F22)
	Matrix (S6)		Marl (F10) (LR	r r, l)				Explain in Remarks)
	face (S7)							
³ Indicators of	bydrophytic vegetat	ion and y	etland hydrology mu	ist ha ni	recent ur	loce dist	urbed or problematic.	
	aver (if observed):		ioliana nyarology ma	101 DO PI	icoont, ai			
Type:	N/A	\						
							Hydric Soil Prese	nt? Yes X No
Depth (in							Hydric Soli Prese	
Remarks:								
			usda.gov/Internet/FS					CS Field Indicators of Hydric Soils,
Version 7.0, 7		///////////////////////////////////////				0/11/03 14/	2p2_001200.000x)	

Project/Site: Moha	awk Solar		Cit	y/County: Marshville, Montgomery	Sampling Date: 8/1/18
Applicant/Owner:	Avant	grid		State:	NY Sampling Point: 1Up@wet31
Investigator(s): SZ	, SB			Section, Township, Range: To	own of Canajoharie
Landform (hillside, t	errace, e	tc.): Hillslope	Local relie	f (concave, convex, none): <u>Concave</u>	e Slope %: 2
Subregion (LRR or	MLRA):	LRR R, MLRA 144A	Lat: 42.888837	Long: -74.612900	Datum: NAD 83
Soil Map Unit Name	e: Darier	n silt loam		NWI classific	cation: PEM
Are climatic / hydrol	ogic cond	litions on the site typic	al for this time of year?	Yes <u>X</u> No(If no, explain in Remarks.)
Are Vegetation	, Soil	, or Hydrology	significantly disturbed	? Are "Normal Circumstances	s" present? Yes X No
Are Vegetation	, Soil	, or Hydrology	naturally problematic?	(If needed, explain any answ	wers in Remarks.)
SUMMARY OF	FINDIN	IGS – Attach site	map showing samplin	ng point locations, transect	s, important features, etc.

Hydrophytic Vegetation Present?	Yes	No	Х	Is the Sampled Area			
Hydric Soil Present?	Yes	No	Х	within a Wetland?	Yes	No	Х
Wetland Hydrology Present?	Yes	No	Х	If yes, optional Wetland Sit	e ID:		
Remarks: (Explain alternative procedures here or in a separate report.)							

Wetland Hydrology Indicators:		Secondary Indicators (min	imum of two required)		
Primary Indicators (minimum of one is requi	Surface Soil Cracks (B6)				
Surface Water (A1)	Surface Water (A1) Water-Stained Leaves (B9)				
High Water Table (A2)	Aquatic Fauna (B13)	_	Moss Trim Lines (B16)	
Saturation (A3)	Marl Deposits (B15)		Dry-Season Water Ta	ble (C2)	
Water Marks (B1)	Hydrogen Sulfide Odor (C1)		Crayfish Burrows (C8))	
Sediment Deposits (B2)	Oxidized Rhizospheres on Living Ro	oots (C3)	Saturation Visible on A	Aerial Imagery (C9)	
Drift Deposits (B3)	Presence of Reduced Iron (C4)		Stunted or Stressed P	Plants (D1)	
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soils	s (C6)	Geomorphic Position	(D2)	
Iron Deposits (B5)	Thin Muck Surface (C7)	-	Shallow Aquitard (D3)		
Inundation Visible on Aerial Imagery (B	7) Other (Explain in Remarks)		Microtopographic Reli	ef (D4)	
Sparsely Vegetated Concave Surface (B8)		FAC-Neutral Test (D5)	
Field Observations:					
Surface Water Present? Yes	No X Depth (inches):				
Water Table Present? Yes	No X Depth (inches):				
Saturation Present? Yes	No X Depth (inches):	Wetland	d Hydrology Present?	Yes No X	
(includes capillary fringe)					
Describe Recorded Data (stream gauge, mo	onitoring well, aerial photos, previous inspe	ections), if a	vailable:		
Remarks:					

Sampling Point: 1Up@wet3I

<u>Tree Stratum</u> (Plot size: <u>30</u>)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. 2.				Number of Dominant Species That Are OBL, FACW, or FAC:0 (A)
3 4				Total Number of Dominant Species Across All Strata: 1 (B)
5				Percent of Dominant Species That Are OBL, FACW, or FAC: 0.0% (A/B)
7				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15)				OBL species 0 x 1 = 0
1				FACW species 0 x 2 = 0
2				FAC species 5 x 3 = 15
3.				FACU species 15 x 4 = 60
4.				UPL species 65 x 5 = 325
5.				Column Totals: 85 (A) 400 (B)
6.				Prevalence Index = B/A = 4.71
7.				Hydrophytic Vegetation Indicators:
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5)				2 - Dominance Test is >50%
1. Solidago canadensis	15	No	FACU	3 - Prevalence Index is ≤3.0 ¹
2. Centaurea stoebe	60	Yes	UPL	4 - Morphological Adaptations ¹ (Provide supporting
3. Asclepias syriaca	5	No	UPL	data in Remarks or on a separate sheet)
4. Apocynum cannabinum	5	No	FAC	Problematic Hydrophytic Vegetation ¹ (Explain)
5.				
				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
6 7				Definitions of Vegetation Strata:
8.				
9.				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
10 11				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
12	85	=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size:30)				Woody vines – All woody vines greater than 3.28 ft in
1				height.
2				
3				Hydrophytic Vegetation
4.				Present? Yes No X
		=Total Cover		
Remarks: (Include photo numbers here or on a sepa	arate sheet.)			
L				

(inches) Color (moist)			x Featur				
	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-16 10YR 3/2	100					Loamy/Clayey	
.							
						<u> </u>	
· ·							
· ·							
						<u> </u>	
¹ Type: C=Concentration, D=Deplet	tion, RM=	Reduced Matrix, M	1S=Mas	ked Sand	Grains.	² Location: PL=P	ore Lining, M=Matrix.
Hydric Soil Indicators:						Indicators for P	roblematic Hydric Soils ³ :
Histosol (A1)		Polyvalue Belo	w Surfa	ce (S8) (I	.RR R,	2 cm Muck (A10) (LRR K, L, MLRA 149B)
Histic Epipedon (A2)		MLRA 149B)			Coast Prairie	e Redox (A16) (LRR K, L, R)
Black Histic (A3)		Thin Dark Surf	ace (S9) (LRR R,	MLRA 1	49B)5 cm Mucky	Peat or Peat (S3) (LRR K, L, R)
Hydrogen Sulfide (A4)		High Chroma S	Sands (S	611) (LRF	R K, L)	Polyvalue Be	elow Surface (S8) (LRR K, L)
Stratified Layers (A5)	_	Loamy Mucky	Mineral	(F1) (LR	R K, L)	Thin Dark Su	ırface (S9) (LRR K, L)
Depleted Below Dark Surface ((A11)	Loamy Gleyed	Matrix (F2)		Iron-Mangan	ese Masses (F12) (LRR K, L, R)
Thick Dark Surface (A12)		Depleted Matri	x (F3)			Piedmont Fle	oodplain Soils (F19) (MLRA 149E
Sandy Mucky Mineral (S1)		Redox Dark Su	-	-			c (TA6) (MLRA 144A, 145, 149B
Sandy Gleyed Matrix (S4)	_	Depleted Dark					Material (F21)
Sandy Redox (S5)	_	Redox Depress		8)			/ Dark Surface (F22)
Stripped Matrix (S6)	_	Marl (F10) (LR	R K, L)			Other (Expla	in in Remarks)
Dark Surface (S7)							
3							
³ Indicators of hydrophytic vegetatio	n and wet	iand hydrology mu	ist be pi	resent, ur	iiess dist	urbed or problematic.	
Restrictive Layer (if observed):							
Type: N/A							
						Hydric Soil Present?	Yes No X

Project/Site: Mohawk Solar		City	y/County: Marshville, Montgomery	Sampling Date: 9/5/2018
Applicant/Owner: Avantgrid			State: NY	Sampling Point: 1wet@wet3L
Investigator(s): SZ, SB			Section, Township, Range: Town o	of Canajoharie
Landform (hillside, terrace, etc.):	Hillslope	Local relie	f (concave, convex, none): Concave	Slope %: 0-2
Subregion (LRR or MLRA): LRR	R, MLRA 144A Lat:	42.876706	Long: <u>-74.636409</u>	Datum: NAD 83
Soil Map Unit Name: Fluvaquents	s, loamy		NWI classification	ו: PSS
Are climatic / hydrologic conditions	s on the site typical for	this time of year?	Yes X No (If no,	, explain in Remarks.)
Are Vegetation, Soil	, or Hydrology	significantly disturbed?	Are "Normal Circumstances" pre	sent? Yes X No
Are Vegetation, Soil	, or Hydrology	naturally problematic?	(If needed, explain any answers	in Remarks.)
SUMMARY OF FINDINGS	– Attach site mar	showing samplir s	ng point locations, transects, ir	mportant features, etc.
Hydrophytic Vegetation Present?	Yes X	No	s the Sampled Area	
Hydric Soil Present?	Yes X	No	vithin a Wetland? Yes X	No
Wetland Hydrology Present?	Yes X	No If	yes, optional Wetland Site ID:	
Remarks: (Explain alternative pro	ocedures here or in a s	separate report.)		

Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)				
Primary Indicators (minimum of one is require	Surface Soil Cracks (B6)				
Surface Water (A1)	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)	Oxidized Rhizospheres on Living Ro	oots (C3)	Saturation Visible on Aerial Imagery (C9)		
Drift Deposits (B3)	Presence of Reduced Iron (C4)		Stunted or Stressed Plants (D1)		
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soil	s (C6)	X Geomorphic Position (D2)		
Iron Deposits (B5)	Thin Muck Surface (C7)		Shallow Aquitard (D3)		
Inundation Visible on Aerial Imagery (B7	 Other (Explain in Remarks) 		Microtopographic Relief (D4)		
Sparsely Vegetated Concave Surface (E	38)		X FAC-Neutral Test (D5)		
Field Observations:		ſ			
Surface Water Present? Yes	No X Depth (inches):				
Water Table Present? Yes	No X Depth (inches):				
Saturation Present? Yes	No X Depth (inches):	Wetlan	d Hydrology Present? Yes X No		
Saturation Present? Yes (includes capillary fringe)	No X Depth (inches):	Wetlan	d Hydrology Present? Yes X No		
			· · · ·		
(includes capillary fringe)			· · · ·		
(includes capillary fringe)			· · · ·		
(includes capillary fringe)			· · · ·		
(includes capillary fringe) Describe Recorded Data (stream gauge, mo			· · · ·		
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(includes capillary fringe) Describe Recorded Data (stream gauge, mo			· · · ·		
(includes capillary fringe) Describe Recorded Data (stream gauge, mo			· · · ·		

Sampling Point: 1wet@wet3L

Tree Stratum (Plot size:30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. 2.				Number of Dominant Species That Are OBL, FACW, or FAC:1 (A)
3 4				Total Number of Dominant Species Across All Strata: 1 (B)
5. 6.				Percent of Dominant Species That Are OBL, FACW, or FAC:100.0% (A/B)
7				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15)				OBL species <u>5</u> x 1 = <u>5</u>
1				FACW species 80 x 2 = 160
2.				FAC species 0 x 3 = 0
3.				FACU species 0 x 4 = 0
4				UPL species 0 x 5 = 0
				Column Totals: 85 (A) 165 (B)
6				Prevalence Index = $B/A = 1.94$
_				Hydrophytic Vegetation Indicators:
7		=Total Cover		
		- Total Cover		1 - Rapid Test for Hydrophytic Vegetation
<u>Herb Stratum</u> (Plot size: <u>5</u>)			=	X 2 - Dominance Test is >50%
1. Phalaris arundinacea	70	Yes	FACW	X 3 - Prevalence Index is $≤3.0^{1}$
2. Eupatorium perfoliatum	5	No	FACW	4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
3. Eutrochium maculatum	5	No	OBL	
4. Onoclea sensibilis	5	No	FACW	Problematic Hydrophytic Vegetation ¹ (Explain)
5				¹ Indicators of hydric soil and wetland hydrology must
6				be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8				Tree – Woody plants 3 in. (7.6 cm) or more in
9.				diameter at breast height (DBH), regardless of height.
10.				One line of a breacher of the second states of the
11				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
12.				
	85	=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30)	00			
				Woody vines – All woody vines greater than 3.28 ft in
1				height.
2				Hydrophytic
3				Vegetation
4				Present? Yes <u>X</u> No
		=Total Cover		
Remarks: (Include photo numbers here or on a separ	rate sheet.)			

Profile Descr	iption: (Describe	o the de	pth needed to docu	ument ti	he indica	tor or co	onfirm the absence o	f indicators.)
Depth	Matrix		Redox	k Featur	es			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-16	10YR 3/1	85	7.5YR 5/6	15			Loamy/Clayey	Prominent redox concentrations
							·	
							·	
	ncentration D=Depl	etion RM	I=Reduced Matrix, M	IS=Mas	ked Sand	Grains	² Location: P	L=Pore Lining, M=Matrix.
Hydric Soil Ir Histosol (Histic Epi Black His Hydrogen Stratified Depleted Thick Dar Sandy Mu Sandy Glu Sandy Re	ndicators: A1) pedon (A2) tic (A3) Sulfide (A4) Layers (A5) Below Dark Surface k Surface (A12) ucky Mineral (S1) eyed Matrix (S4) edox (S5) Matrix (S6)		Polyvalue Belo MLRA 149B Thin Dark Surfa High Chroma S Loamy Mucky I Loamy Gleyed Depleted Matri: X Redox Dark Su Depleted Dark Redox Depress Marl (F10) (LR	w Surfa) ace (S9) Sands (S Mineral Matrix (Matrix ((F3) urface (F Surface sions (F8	ce (S8) (I) (LRR R 611) (LRF (F1) (LRF F2) (F7)	LRR R, , MLRA 1 R K, L)	Indicators for 2 cm Mu Coast Pr Dolyvalu Thin Dar Iron-Mar Mesic Sp Red Pare Very Sha	or Problematic Hydric Soils ³ : uck (A10) (LRR K, L, MLRA 149B) rairie Redox (A16) (LRR K, L, R) ucky Peat or Peat (S3) (LRR K, L, R) the Below Surface (S8) (LRR K, L) rk Surface (S9) (LRR K, L) rhganese Masses (F12) (LRR K, L, R) the Floodplain Soils (F19) (MLRA 149B) podic (TA6) (MLRA 144A, 145, 149B) tent Material (F21) allow Dark Surface (F22) Explain in Remarks)
	ayer (if observed): N/A		/etiand hydrology mu	ist be pr	esent, ur	ness dist	urbed or problematic.	nt? Yes X No
			l and Northeast Regi usda.gov/Internet/FS					CS Field Indicators of Hydric Soils,

Project/Site: Mohawk Solar	City/County: Marshville, Montgomery Sampling Date: 9/5/2018
Applicant/Owner: Avantgrid	State: NY Sampling Point: 1Up@wet3L
Investigator(s): SZ, SB	Section, Township, Range: Town of Canajoharie
Landform (hillside, terrace, etc.): Hillslope Loc	al relief (concave, convex, none): Convex Slope %: 0-2
Subregion (LRR or MLRA): LRR R, MLRA 144A Lat: 42.876923	Long: -74.636381 Datum: NAD 83
Soil Map Unit Name: Fluvaquents	NWI classification: N/A
Are climatic / hydrologic conditions on the site typical for this time of year	? Yes X No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrologysignificantly dis	turbed? Are "Normal Circumstances" present? Yes X No
Are Vegetation, Soil, or Hydrologynaturally proble	matic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing sa	mpling point locations, transects, important features, etc.

No X	within a Wetland? Yes No X
No X	If yes, optional Wetland Site ID:

Wetland Hydrology Indicators:	Wetland Hydrology Indicators:						
Primary Indicators (minimum of one is requi	Surface Soil Cracks (B6)						
Surface Water (A1)	Drainage Patterns (B10)						
High Water Table (A2)		Moss Trim Lines (B16)					
Saturation (A3)	Marl Deposits (B15)		Dry-Season Water Table (C2)				
Water Marks (B1)		Crayfish Burrows (C8)					
Sediment Deposits (B2)	Oxidized Rhizospheres on Living Ro	oots (C3)	Saturation Visible on Aerial Imagery (C9)				
Drift Deposits (B3)	Presence of Reduced Iron (C4)		Stunted or Stressed Plants (D1)				
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soils	s (C6)	Geomorphic Position (D2)				
Iron Deposits (B5)	Thin Muck Surface (C7)	•	Shallow Aquitard (D3)				
Inundation Visible on Aerial Imagery (B	7) Other (Explain in Remarks)	•	Microtopographic Relief (D4)				
Sparsely Vegetated Concave Surface (38)		FAC-Neutral Test (D5)				
Field Observations:							
Surface Water Present? Yes	No X Depth (inches):						
Water Table Present? Yes	No X Depth (inches):						
Saturation Present? Yes	No X Depth (inches):	Wetland	Hydrology Present? Yes No X				
(includes capillary fringe)							
Describe Recorded Data (stream gauge, me	onitoring well, aerial photos, previous inspe	ctions), if a	vailable:				
Describe Recorded Data (stream gauge, mo	onitoring well, aerial photos, previous inspe	ctions), if a	vailable:				
	onitoring well, aerial photos, previous inspe	ctions), if a	vailable:				
Describe Recorded Data (stream gauge, mo Remarks:	onitoring well, aerial photos, previous inspe	ctions), if a	vailable:				
	onitoring well, aerial photos, previous inspe	ctions), if a	vailable:				
	onitoring well, aerial photos, previous inspe	ctions), if a	vailable:				
	onitoring well, aerial photos, previous inspe	ctions), if a	vailable:				
	onitoring well, aerial photos, previous inspe	ctions), if a	vailable:				
	onitoring well, aerial photos, previous inspe	ctions), if a	vailable:				
	onitoring well, aerial photos, previous inspe	ctions), if a	vailable:				
	onitoring well, aerial photos, previous inspe	ctions), if a	vailable:				
	onitoring well, aerial photos, previous inspe	ctions), if a	vailable:				

Sampling Point: 1Up@wet3L

<u>Tree Stratum</u> (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1.		<u></u>		
2.				Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)
3.				Total Number of Dominant
4.				Species Across All Strata: 2 (B)
5.				Percent of Dominant Species
6.				That Are OBL, FACW, or FAC:
7.				Prevalence Index worksheet:
	;	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15)				OBL species 0 x 1 = 0
1				FACW species 0 x 2 = 0
2				FAC species <u>5</u> x 3 = <u>15</u>
3				FACU species 75 x 4 = 300
4				UPL species 5 x 5 = 25
5				Column Totals: 85 (A) 340 (B)
6				Prevalence Index = B/A =4.00
7				Hydrophytic Vegetation Indicators:
	:	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5)				2 - Dominance Test is >50%
1. Poa pratensis	60	Yes	FACU	3 - Prevalence Index is ≤3.0 ¹
2. Cirsium vulgare	5	No	FACU	4 - Morphological Adaptations ¹ (Provide supporting
3. Taraxacum officinale	5	No	FACU	data in Remarks or on a separate sheet)
4. Plantago lanceolata	5	No	FACU	Problematic Hydrophytic Vegetation ¹ (Explain)
5. Daucus carota	5	No	UPL	¹ Indicators of hydric soil and wetland hydrology must
6				be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8				Tree – Woody plants 3 in. (7.6 cm) or more in
9				diameter at breast height (DBH), regardless of height.
10				Sapling/shrub – Woody plants less than 3 in. DBH
11				and greater than or equal to 3.28 ft (1 m) tall.
12				Herb – All herbaceous (non-woody) plants, regardless
	80	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30)				Woody vines – All woody vines greater than 3.28 ft in
1. Toxicodendron radicans	5	Yes	FAC	height.
2				11. Januaria Ala
3				Hydrophytic Vegetation
4				Present? Yes No X
	5	=Total Cover		
Remarks: (Include photo numbers here or on a separ	rate sheet.)			

Depth	Profile Description: (Describe to the depth needed to document the indicator of Depth Matrix Redox Features						, ,				
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks			
· · · · ·		·									
0-16	10YR 4/2	100			·		Loamy/Clayey				
					·						
					. <u> </u>						
					·						
					. <u> </u>						
					·						
		·			·						
					·						
1											
1		. <u> </u>			. <u> </u>		2				
	Concentration, D=Dep	letion, RM	=Reduced Matrix, N	MS=Mas	ked Sand	d Grains.		=Pore Lining, M=Matrix.			
-	Indicators:				(- -) (Problematic Hydric Soils ³ :			
Histoso			Polyvalue Belo		ice (S8) (LRR R,		(A10) (LRR K, L, MLRA 149B)			
	pipedon (A2)		MLRA 149B	,				irie Redox (A16) (LRR K, L, R)			
	listic (A3)		Thin Dark Sur					ky Peat or Peat (S3) (LRR K, L, R)			
	en Sulfide (A4)		High Chroma	-				Below Surface (S8) (LRR K, L)			
	ed Layers (A5)		Loamy Mucky			R K, L)		Surface (S9) (LRR K, L)			
	ed Below Dark Surface	e (A11)	Loamy Gleyed		(F2)			anese Masses (F12) (LRR K, L, R)			
	ark Surface (A12)		Depleted Matr					Floodplain Soils (F19) (MLRA 149B)			
	Mucky Mineral (S1)		Redox Dark S	•	,			odic (TA6) (MLRA 144A, 145, 149B)			
	Gleyed Matrix (S4)		Depleted Dark					nt Material (F21)			
	Redox (S5)		Redox Depres	```	8)			ow Dark Surface (F22)			
	d Matrix (S6)		Marl (F10) (LR	RR K, L)			Other (Exp	olain in Remarks)			
Dark Su	urface (S7)										
2											
			etland hydrology m	ust be p	resent, u	nless dist	urbed or problematic.				
_	Layer (if observed):										
Type:	N//	Ą									
Depth (inches):						Hydric Soil Present	? Yes <u>No X</u>			
Remarks:							•				
This data fo	orm is revised from No	orthcentral	and Northeast Reg	jional Su	ıpplemen	t Version	2.0 to include the NRCS	Field Indicators of Hydric Soils,			
Version 7.0	, 2015 Errata. (http://v	www.nrcs.	usda.gov/Internet/F	SE_DO	CUMENT	S/nrcs14	2p2_051293.docx)				

Project/Site: Mohav	vk Solar				City/Cou	unty: Marshv	ille, Montgomery	у	Sampli	ng Date:	9/5/2018
Applicant/Owner:	Avantgrid						State:	NY	Samp	oling Poi	nt: 1wet@wet3N
Investigator(s): SZ,	SB					Section, To	wnship, Range:	Town of	Minden		
Landform (hillside, te	rrace, etc.):	Footslope		Loc	al relief (cor	icave, conve	ex, none): <u>Conc</u> a	ave		Slop	pe %: <u>1</u>
Subregion (LRR or M	ILRA): LRR	R, MLRA 144A	Lat:	42.897721		Long:	-74.658014			Datum:	NAD 83
Soil Map Unit Name:	Appleton sil	t loam					NWI class	ification:	PEM		
Are climatic / hydrolo	gic conditions	on the site typica	al for	this time of year	?	Yes X	No	(If no, e	explain i	n Remar	rks.)
Are Vegetation	, Soil	, or Hydrology		significantly dist	urbed?	Are "Norm	nal Circumstanc	es" prese	ent?	res X	No
Are Vegetation	, Soil	, or Hydrology		naturally probler	matic?	(If needeo	d, explain any ar	swers in	ו Remar	ks.)	
SUMMARY OF F		- Attach site	maŗ	showing sa	mpling p	oint locat	ions, transe	cts, im	iporta	nt feat	ures, etc.
Hydrophytic Vegetat	tion Present?	Yes	х	No	Is the	Sampled A	rea				
Hydric Soil Present?	?	Yes	Х	No	within	n a Wetland	? Yes	s_X_	No		
Wetland Hydrology	Present?	Yes	Х	No	If yes,	optional We	etland Site ID:				
Remarks: (Explain	alternative pro	ocedures here or	in a s	eparate report.)							

Wetland Hydrology Indicators:			Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is require	Surface Soil Cracks (B6)		
X Surface Water (A1)	Drainage Patterns (B10)		
High Water Table (A2)	Aquatic Fauna (B13)		Moss Trim Lines (B16)
X Saturation (A3)	Marl Deposits (B15)		Dry-Season Water Table (C2)
Water Marks (B1)	Hydrogen Sulfide Odor (C1)		Crayfish Burrows (C8)
Sediment Deposits (B2)	Oxidized Rhizospheres on Living Ro	oots (C3)	Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3)	Presence of Reduced Iron (C4)		Stunted or Stressed Plants (D1)
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soils	s (C6)	X Geomorphic Position (D2)
Iron Deposits (B5)	Thin Muck Surface (C7)		X Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7)	Other (Explain in Remarks)		Microtopographic Relief (D4)
Sparsely Vegetated Concave Surface (B8	3)		X FAC-Neutral Test (D5)
Field Observations:			
Surface Water Present? Yes X	No Depth (inches): 5		
Water Table Present? Yes	No X Depth (inches):		
Saturation Present? Yes X	No Depth (inches): 0	Wetlan	d Hydrology Present? Yes X No
Saturation Present? Yes X (includes capillary fringe)		Wetlan	d Hydrology Present? Yes X No
	No Depth (inches): 0		· · · · · · · · · · · · · · · · · · ·
(includes capillary fringe)	No Depth (inches): 0		· · · · · · · · · · · · · · · · · · ·
(includes capillary fringe)	No Depth (inches): 0		· · · ·
(includes capillary fringe)	No Depth (inches): 0		· · · ·
(includes capillary fringe) Describe Recorded Data (stream gauge, mon	No Depth (inches): 0		· · · ·
(includes capillary fringe) Describe Recorded Data (stream gauge, mon	No Depth (inches): 0		· · · ·
(includes capillary fringe) Describe Recorded Data (stream gauge, mon	No Depth (inches): 0		· · · ·
(includes capillary fringe) Describe Recorded Data (stream gauge, mon	No Depth (inches): 0		· · · ·
(includes capillary fringe) Describe Recorded Data (stream gauge, mon	No Depth (inches): 0		· · · ·
(includes capillary fringe) Describe Recorded Data (stream gauge, mon	No Depth (inches): 0		· · · ·
(includes capillary fringe) Describe Recorded Data (stream gauge, mon	No Depth (inches): 0		· · · ·
(includes capillary fringe) Describe Recorded Data (stream gauge, mon	No Depth (inches): 0		· · · ·

Sampling Point: 1wet@wet3N

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. 2.				Number of Dominant Species That Are OBL, FACW, or FAC: <u>3</u> (A)
3 4				Total Number of Dominant Species Across All Strata: <u>3</u> (B)
5. 6.				Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100.0%</u> (A/B)
7				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15)				OBL species 50 x 1 = 50
1. Salix nigra	10	Yes	OBL	FACW species 70 x 2 = 140
2.				FAC species 0 x 3 = 0
3.				FACU species 0 x 4 = 0
4.				UPL species $0 \times 5 = 0$
5				Column Totals: 120 (A) 190 (B)
6				Prevalence Index = $B/A = 1.58$
7.				Hydrophytic Vegetation Indicators:
/:		-Tatal Causer		
	10	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5)				X 2 - Dominance Test is >50%
1. Typha angustifolia	30	Yes	OBL	X_3 - Prevalence Index is ≤3.0 ¹
2. Phalaris arundinacea	55	Yes	FACW	4 - Morphological Adaptations ¹ (Provide supporting
3. Impatiens capensis	15	No	FACW	data in Remarks or on a separate sheet)
4. Lythrum salicaria	5	No	OBL	Problematic Hydrophytic Vegetation ¹ (Explain)
5. Glyceria striata	5	No	OBL	¹ Indicators of hydric soil and wetland hydrology must
6.				be present, unless disturbed or problematic.
7.				Definitions of Vegetation Strata:
8.				
9.				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
10.				
11.				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
12.				
	110	=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
<u>Woody Vine Stratum</u> (Plot size: 30)				
,				Woody vines – All woody vines greater than 3.28 ft in
1				height.
2				Hydrophytic
3				Vegetation
4				Present? Yes <u>X</u> No
		=Total Cover		
Remarks: (Include photo numbers here or on a sepa	arate sheet.)			

Profile Desc	ription: (Describe	to the de	pth needed to docu	ument t	he indica	ator or c	onfirm the absence	of indicators.)		
Depth	Matrix		Redo	x Featur	res					
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks		
0-10	10YR 2/1	100					Mucky Loam/Clay			
	1011(2/1	100					Mucky Loan/Clay			
		·								
		·								
		·								
		·								
¹ Type: C=Co	ncentration, D=Dep	letion, RN	/=Reduced Matrix, N	1S=Mas	ked Sand	d Grains.	² Location:	PL=Pore Lining, M=Matrix.		
Hydric Soil I		,	,					for Problematic Hydric Soils ³ :		
X Histosol			Polyvalue Belo	w Surfa	ce (S8) (LRR R.		/luck (A10) (LRR K, L, MLRA 149B)		
	ipedon (A2)		MLRA 149B		(-/(,		Prairie Redox (A16) (LRR K, L, R)		
Black His			Thin Dark Surf	,) (LRR R	. MLRA		/lucky Peat or Peat (S3) (LRR K, L, R)		
	n Sulfide (A4)		High Chroma S					lue Below Surface (S8) (LRR K, L)		
	Layers (A5)		Loamy Mucky					ark Surface (S9) (LRR K, L)		
	Below Dark Surface	e (A11)	Loamy Gleyed			, _,		anganese Masses (F12) (LRR K, L, R)		
	rk Surface (A12)		Depleted Matri		/			ont Floodplain Soils (F19) (MLRA 149B)		
	ucky Mineral (S1)		Redox Dark Su		-6)		Mesic Spodic (TA6) (MLRA 144A, 145, 149B)			
	leyed Matrix (S4)		Depleted Dark	•	'		Red Parent Material (F21)			
	edox (S5)		Redox Depress				Very Shallow Dark Surface (F22)			
	Matrix (S6)		Marl (F10) (LR		0)			(Explain in Remarks)		
	face (S7)			IX IX, L)						
³ Indiactors of	hydrophytic vogotat	tion and u	untional hydrology my	uat ha ni	rocont ur	aloog dig	turbed or problematic			
			vetiand hydrology mit	ist be pi	ieseni, ui	liess uis				
	. ayer (if observed): Grav									
Туре:										
Depth (in	ches):	10					Hydric Soil Pres	ent? Yes <u>X</u> No		
Remarks:							-			
								RCS Field Indicators of Hydric Soils,		
Version 7.0, 2	2015 Errata. (http://v	www.nrcs.	usda.gov/Internet/F	SE_DOO	CUMENT	S/nrcs14	12p2_051293.docx)			
1										

Project/Site: Mo	hawk Solar			City/County: Marshville,	Montgomery	Sampling Date: 8/1/18			
Applicant/Owner:	Avantgrid				State: NY	Sampling Point: 1Up@wet3N			
Investigator(s): SZ, SB Section, Township, Range: Town of Minden									
Landform (hillside	, terrace, etc.):	Hillslope	Loca	l relief (concave, convex, n	one): <u>Convex</u>	Slope %: 3			
Subregion (LRR c	or MLRA): LRR	R, MLRA 144A	Lat: 42.897804	Long: -74	1.658085	Datum: NAD 83			
Soil Map Unit Nar	ne: Appleton silt	loam			NWI classification:	N/A			
Are climatic / hydr	rologic conditions	on the site typica	al for this time of year?	Yes X	No (If no, e	explain in Remarks.)			
Are Vegetation	, Soil	, or Hydrology	significantly distu	rbed? Are "Normal C	Circumstances" pres	ent? Yes X No			
Are Vegetation	, Soil	, or Hydrology	naturally problem	natic? (If needed, ex	xplain any answers ir	ו Remarks.)			
SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.									
Hydrophytic Veg	etation Present?	Ves	No X	Is the Sampled Area					

Hydrophytic Vegetation Present?	Yes	No X	Is the Sampled Area
Hydric Soil Present?	Yes	No X	within a Wetland? Yes No X
Wetland Hydrology Present?	Yes	No X	If yes, optional Wetland Site ID:
Remarks: (Explain alternative procedu	ures here or in a	separate report.)	

Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)					
Primary Indicators (minimum of one is requi	Surface Soil Cracks (B6)					
Surface Water (A1)	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)	Oxidized Rhizospheres on Living Ro	oots (C3)	Saturation Visible on Aerial Imagery (C9)			
Drift Deposits (B3)	Presence of Reduced Iron (C4)		Stunted or Stressed Plants (D1)			
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soils	s (C6)	Geomorphic Position	(D2)		
Iron Deposits (B5)	Thin Muck Surface (C7)		Shallow Aquitard (D3)	Shallow Aquitard (D3)		
Inundation Visible on Aerial Imagery (B	7) Other (Explain in Remarks)		Microtopographic Relief (D4)			
Sparsely Vegetated Concave Surface (I	38)		FAC-Neutral Test (D5)			
Field Observations:						
Surface Water Present? Yes	No X Depth (inches):					
Water Table Present? Yes	No X Depth (inches):					
Saturation Present? Yes	No X Depth (inches):	Wetlar	nd Hydrology Present?	Yes No X		
(includes capillary fringe)						
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:						
Remarks:						

Sampling Point: <u>1Up@wet3N</u>

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. 2.				Number of Dominant Species That Are OBL, FACW, or FAC:(A)
3 4				Total Number of Dominant Species Across All Strata: 7 (B)
5 6				Percent of Dominant Species That Are OBL, FACW, or FAC: <u>14.3%</u> (A/B)
7				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15)				OBL species x 1 =
1. Lonicera morrowii	10	Yes	FACU	FACW species 10 x 2 = 20
2.				FAC species 0 x 3 = 0
3.				FACU species 65 x 4 = 260
4.				UPL species 10 x 5 = 50
5.				Column Totals: 85 (A) 330 (B)
6.				Prevalence Index = B/A = 3.88
7.				Hydrophytic Vegetation Indicators:
··	10	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
	10			
Herb Stratum (Plot size: 5)	10			2 - Dominance Test is >50%
1. Rubus allegheniensis	10	Yes	FACU	3 - Prevalence Index is ≤3.0 ¹
2. Solidago canadensis	20	Yes	FACU	4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
3. Cirsium arvense	5	No	FACU	data in Remarks of on a separate sheet)
4. Phalaris arundinacea	10	Yes	FACW	Problematic Hydrophytic Vegetation ¹ (Explain)
5. Lotus corniculatus	10	Yes	FACU	¹ Indicators of hydric soil and wetland hydrology must
6. Trifolium repens	10	Yes	FACU	be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8.				Tree – Woody plants 3 in. (7.6 cm) or more in
9.				diameter at breast height (DBH), regardless of height.
10.				
11				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
12.				
12.	65	=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
	05			of size, and woody plants less than 3.20 it tail.
<u>Woody Vine Stratum</u> (Plot size: <u>30</u>)				Woody vines – All woody vines greater than 3.28 ft in
1. Vitis vinifera	10	Yes	UPL	height.
2				Hydrophytic
3				Vegetation
4.				Present? Yes <u>No X</u>
	10	=Total Cover		
Remarks: (Include photo numbers here or on a separ	ate sheet.)			

Profile Des	cription: (Describe	to the de	oth needed to doc	ument t	he indica	ator or co	onfirm the absence o	f indicators.)	
Depth	Matrix			x Featur					
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks	
0-16	10YR 3/2	100					Loamy/Clayey		
		<u> </u>							
<u> </u>									
¹ Type: C=C	oncentration, D=Dep	letion, RM	=Reduced Matrix, N	∕IS=Mas	ked Sand	d Grains.	² Location: P	L=Pore Lining, M=Matrix.	
Hydric Soil	Indicators:						Indicators for	or Problematic Hydric So	oils³:
Histosol	(A1)		Polyvalue Belo	ow Surfa	ce (S8) (LRR R,	2 cm Mu	ck (A10) (LRR K, L, MLR	A 149B)
Histic E	pipedon (A2)		MLRA 149B	5)			Coast Pr	airie Redox (A16) (LRR K	ί, L, R)
Black H	istic (A3)		Thin Dark Surf	face (S9) (LRR R	, MLRA 1	1 49B) 5 cm Mu	cky Peat or Peat (S3) (LR	≀R K, L, R)
Hydroge	en Sulfide (A4)		High Chroma	Sands (S	S11) (LRI	R K, L)	Polyvalu	e Below Surface (S8) (LR	R K, L)
Stratifie	d Layers (A5)		Loamy Mucky	Mineral	(F1) (LR	R K, L)	Thin Dar	k Surface (S9) (LRR K, L)
Deplete	d Below Dark Surface	e (A11)	Loamy Gleyed	Matrix ((F2)		Iron-Mar	nganese Masses (F12) (LF	RR K, L, R)
Thick Da	ark Surface (A12)		Depleted Matri	ix (F3)			Piedmon	nt Floodplain Soils (F19) (I	MLRA 149B)
Sandy N	/lucky Mineral (S1)		Redox Dark Si	urface (F	=6)		Mesic Sp	odic (TA6) (MLRA 144A ,	145, 149B)
Sandy C	Gleyed Matrix (S4)		Depleted Dark	Surface	e (F7)		Red Pare	ent Material (F21)	
Sandy F	Redox (S5)		Redox Depres	sions (F	8)		Very Sha	allow Dark Surface (F22)	
Stripped	l Matrix (S6)		Marl (F10) (LR	RK, L)			Other (E	xplain in Remarks)	
Dark Su	Irface (S7)								
³ Indicators o	of hydrophytic vegetat	ion and w	etland hydrology m	ust be pi	resent, u	nless dist	urbed or problematic.		
	Layer (if observed):								
Type:	N/A	A							
Depth (i	nches).						Hydric Soil Preser	nt? Yes	No <u>X</u>
Remarks:									
	2015 Errata. (http://v							CS Field Indicators of Hyd	ric Solis,
VCISION 7.0,		www.mcs.	usua.gov/memet/1			0/11/0314	2p2_001200.000x)		

Project/Site: Mohawk Solar		City/Co	unty: Marshville, Montgomery	Sampling Date: 8/1/18	
Applicant/Owner: Avantgrid			State: N	IY Sampling Point: 1wet@wet30	
Investigator(s): SZ, SB			Section, Township, Range: Tow	n of Canajoharie	
Landform (hillside, terrace, etc.):	Toeslope	Local relief (cc	ncave, convex, none): <u>Concave</u>	Slope %: <u>1-2</u>	
Subregion (LRR or MLRA): LR	R R, MLRA 144A Lat:	42.899787	Long: <u>-74.641163</u>	Datum: NAD 83	
Soil Map Unit Name: Ilion silt lo	am		NWI classificat	ion: PEM	
Are climatic / hydrologic condition	ns on the site typical for	this time of year?	Yes X No (If	no, explain in Remarks.)	
Are Vegetation, Soil	, or Hydrology	significantly disturbed?	Are "Normal Circumstances" p	present? Yes X No	
Are Vegetation, Soil	, or Hydrology	naturally problematic?	(If needed, explain any answe	rs in Remarks.)	
SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.					
Hydrophytic Vegetation Present	t? Yes X	No Is the	e Sampled Area		
Hydric Soil Present?	Yes X	No withi	n a Wetland? Yes_>	< No	
Wetland Hydrology Present?	Yes X	No If yes	, optional Wetland Site ID:		
Remarks: (Explain alternative p	procedures here or in a s	eparate report.)			

Wetland Hydrology Indicators:			Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is require	Surface Soil Cracks (B6)		
Surface Water (A1)	X 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)	Oxidized Rhizospheres on Living Ro	oots (C3)	Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3)	Presence of Reduced Iron (C4)		Stunted or Stressed Plants (D1)
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soils	s (C6)	Geomorphic Position (D2)
Iron Deposits (B5)	Thin Muck Surface (C7)		Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7)	Other (Explain in Remarks)		Microtopographic Relief (D4)
Sparsely Vegetated Concave Surface (B	8)		X FAC-Neutral Test (D5)
Field Observations:			
Surface Water Present? Yes	No X Depth (inches):		
Water Table Present? Yes	No X Depth (inches):		
Saturation Present? Yes X	No Depth (inches): 4	Wetlan	d Hydrology Present? Yes X No
(includes capillary fringe)	No Depth (inches):4	Wetlan	a Hydrology Present? Yes X No
(includes capillary fringe)			
(includes capillary fringe)			
(includes capillary fringe)			
(includes capillary fringe) Describe Recorded Data (stream gauge, mor			
(includes capillary fringe) Describe Recorded Data (stream gauge, mor			
(includes capillary fringe) Describe Recorded Data (stream gauge, mor			
(includes capillary fringe) Describe Recorded Data (stream gauge, mor			
(includes capillary fringe) Describe Recorded Data (stream gauge, mor			
(includes capillary fringe) Describe Recorded Data (stream gauge, mor			
(includes capillary fringe) Describe Recorded Data (stream gauge, mor			
(includes capillary fringe) Describe Recorded Data (stream gauge, mor			

Sampling Point: 1wet@wet3O

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1 2.				Number of Dominant Species That Are OBL, FACW, or FAC: 5 (A)
3.		·		Total Number of Dominant
5.		·		Percent of Dominant Species
6				That Are OBL, FACW, or FAC: 83.3% (A/B)
7				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15)	10	N		OBL species 90 x1 = 90 54.01/(models) 95 90 50
1. Salix nigra	10	Yes	OBL	FACW species 25 x 2 = 50
2. Lonicera tatarica	10	Yes	FACU	FAC species 15 $x = 45$
3. <u>Frangula alnus</u>	10	Yes	FAC	FACU species 10 x 4 = 40
4.		·		UPL species $0 \times 5 = 0$
5				Column Totals: 140 (A) 225 (B)
6				Prevalence Index = B/A =
7				Hydrophytic Vegetation Indicators:
	30	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5)				X 2 - Dominance Test is >50%
1. Symphyotrichum puniceum	40	Yes	OBL	X 3 - Prevalence Index is $\leq 3.0^{1}$
2. Onoclea sensibilis	25	Yes	FACW	4 - Morphological Adaptations ¹ (Provide supporting
3. Equisetum arvense	5	No	FAC	data in Remarks or on a separate sheet)
4. Eutrochium maculatum	30	Yes	OBL	Problematic Hydrophytic Vegetation ¹ (Explain)
5. Typha angustifolia	10	No	OBL	
6				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7		. <u> </u>		Definitions of Vegetation Strata:
				Deminitions of Vegetation Strata.
8 9		·		Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
10.				Sapling/shrub – Woody plants less than 3 in. DBH
11.				and greater than or equal to 3.28 ft (1 m) tall.
12				Herb – All herbaceous (non-woody) plants, regardless
	110	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30)				Woody vines – All woody vines greater than 3.28 ft in
1		·		height.
2		·		Hydrophytic
3		·		Vegetation
4				Present? Yes X No
	I	=Total Cover		
Remarks: (Include photo numbers here or on a sepa	rate sheet.)			

Profile Desc	ription: (Describe	to the de	pth needed to docu	ument t	he indica	ator or co	onfirm the absence of indi	icators.)
Depth	Matrix	Redox Features						
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-1	10YR 2/1	100					Peat	
1-16	10YR 2/1	95	7.5YR 5/6	5		M		
1-10	10 f R 2/1	95	7.518 5/6	5	<u> </u>	IVI	Loamy/Clayey	
						. <u> </u>		
						·		
1Turney 0-0						Creine	² l and internet	no Lining M-Matrix
Hydric Soil	oncentration, D=Dep			10-Ivias	keu Sano	i Grains.		ore Lining, M=Matrix. oblematic Hydric Soils ³ :
Histosol			Polyvalue Belo	w Surfa	ce (S8) (I	LRR R.		10) (LRR K, L, MLRA 149B)
	bipedon (A2)		MLRA 149B			,		Redox (A16) (LRR K, L, R)
Black Hi			Thin Dark Surfa	,) (LRR R	, MLRA 1		Peat or Peat (S3) (LRR K, L, R)
Hydroge	n Sulfide (A4)		High Chroma S	Sands (S	611) (LRF	R K, L)	Polyvalue Bel	ow Surface (S8) (LRR K, L)
Stratified	l Layers (A5)		Loamy Mucky	Mineral	(F1) (LRI	R K, L)	Thin Dark Sur	face (S9) (LRR K, L)
	d Below Dark Surface	e (A11)	Loamy Gleyed		F2)			ese Masses (F12) (LRR K, L, R)
	ark Surface (A12)		Depleted Matri					odplain Soils (F19) (MLRA 149B)
	lucky Mineral (S1)		X Redox Dark Su	`	,			(TA6) (MLRA 144A, 145, 149B)
	Bleyed Matrix (S4) Redox (S5)		Depleted Dark Redox Depress				Red Parent M	Dark Surface (F22)
	Matrix (S6)		Marl (F10) (LR		0)			n in Remarks)
	rface (S7)			, _/				i in rionano)
—								
³ Indicators of	f hydrophytic vegetat	tion and w	etland hydrology mι	ust be pr	resent, ur	nless dist	urbed or problematic.	
Restrictive I	Layer (if observed):							
Туре:	N//	4						
Depth (ir	nches):						Hydric Soil Present?	Yes X No
Remarks:							-	
								eld Indicators of Hydric Soils,
version 7.0,	2015 Errata. (http://v	ww.mcs.	usua.gov/internet/F3			5/nrcs14	2p2_051295.docx)	

Project/Site: Mohawk Solar		City/Co	ounty: Marshville, Montgomery	Sampling Date: 9/19/2018
Applicant/Owner: Avantgri	d		State: N	IY Sampling Point: 10p@wet30
Investigator(s): SZ, SB			Section, Township, Range: Tow	n of Canajoharie
Landform (hillside, terrace, etc.): Hillslope	Local relief (co	oncave, convex, none): <u>Convex</u>	Slope %: 3
Subregion (LRR or MLRA):	RR R, MLRA 144A Lat	42.899540	Long: -74.640629	Datum: NAD 83
Soil Map Unit Name: Madalin	silty clay loam		NWI classificat	ion: PEM
Are climatic / hydrologic conditi	ons on the site typical fo	r this time of year?	Yes X No (If	no, explain in Remarks.)
Are Vegetation, Soil	, or Hydrology	significantly disturbed?	Are "Normal Circumstances"	present? Yes X No
Are Vegetation, Soil	, or Hydrology	naturally problematic?	(If needed, explain any answe	rs in Remarks.)
SUMMARY OF FINDING	iS – Attach site ma	p showing sampling p	point locations, transects	, important features, etc.

Hydrophytic Vegetation Present?	Yes	No X	Is the Sampled Area					
Hydric Soil Present?	Yes	No X	within a Wetland?	Yes	No X			
Wetland Hydrology Present?	Yes	No X	If yes, optional Wetland Site ID:					
Remarks: (Explain alternative procedures here or in a separate report.)								

Wetland Hydrology Indicators:	Secondary Indica	Secondary Indicators (minimum of two required)			
Primary Indicators (minimum of one is require	Surface Soil	Surface Soil Cracks (B6)			
Surface Water (A1)	Drainage Pa	Drainage Patterns (B10)			
High Water Table (A2)	Moss Trim L	Moss Trim Lines (B16)			
Saturation (A3)	Marl Deposits (B15)	Dry-Season	Dry-Season Water Table (C2)		
Water Marks (B1)	Hydrogen Sulfide Odor (C1)	Crayfish Bur	rows (C8)		
Sediment Deposits (B2)	Oxidized Rhizospheres on Living Ro	s (C3) Saturation V	isible on Aerial Imagery (C9)		
Drift Deposits (B3)	Presence of Reduced Iron (C4)	Stunted or S	tressed Plants (D1)		
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soils	C6) Geomorphic	Position (D2)		
Iron Deposits (B5)	Thin Muck Surface (C7)	Shallow Aqu	itard (D3)		
Inundation Visible on Aerial Imagery (B7	7) Other (Explain in Remarks)	Microtopogra	aphic Relief (D4)		
Sparsely Vegetated Concave Surface (E	38)	FAC-Neutral	Test (D5)		
Field Observations:					
Surface Water Present? Yes	No X Depth (inches):				
Water Table Present? Yes	No X Depth (inches):				
Saturation Present? Yes	No X Depth (inches):	Wetland Hydrology Pres	sent? Yes No X		
(includes capillary fringe)					
Describe Recorded Data (stream gauge, mo	pnitoring well, aerial photos, previous inspe	ons), if available:			
Remarks:					

Sampling Point: 1Up@wet3O

<u>Tree Stratum</u> (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. Acer saccharum	20	Yes	FACU	
2.				Number of Dominant Species That Are OBL, FACW, or FAC: 3 (A)
3				Total Number of Dominant
4				Species Across All Strata: 10 (B)
5				Percent of Dominant Species
6				That Are OBL, FACW, or FAC: 30.0% (A/B)
7				Prevalence Index worksheet:
	20	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15)				OBL species 0 x 1 = 0
1. Lonicera tatarica	30	Yes	FACU	FACW species 10 x 2 = 20
2. Rosa multiflora	10	Yes	FACU	FAC species 50 x 3 = 150
3. Frangula alnus	10	Yes	FAC	FACU species 80 x 4 = 320
4.				UPL species 25 x 5 = 125
5.				Column Totals: 165 (A) 615 (B)
6.				Prevalence Index = $B/A = 3.73$
7.				Hydrophytic Vegetation Indicators:
	50	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5)				2 - Dominance Test is >50%
1. Solidago sp.	40	Yes	FAC	3 - Prevalence Index is ≤3.0 ¹
2. Lotus corniculatus	10	Yes	FACU	4 - Morphological Adaptations ¹ (Provide supporting
3. Symphyotrichum racemosum	10	Yes	FACW	data in Remarks or on a separate sheet)
4. Daucus carota	10	Yes	UPL	Problematic Hydrophytic Vegetation ¹ (Explain)
5. Cirsium arvense	10	Yes	FACU	
6	10	Tes	FACU	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8				Tree – Woody plants 3 in. (7.6 cm) or more in
9				diameter at breast height (DBH), regardless of height.
10				Sapling/shrub – Woody plants less than 3 in. DBH
11				and greater than or equal to 3.28 ft (1 m) tall.
12.				Herb – All herbaceous (non-woody) plants, regardless
	80	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30)				Weedunings All weedunings greater than 2.29 ft in
1. Vitis vinifera	15	Yes	UPL	Woody vines – All woody vines greater than 3.28 ft in height.
2.				
3.				Hydrophytic
4.				Vegetation Present? Yes No X
	15	=Total Cover		
Remarks: (Include photo numbers here or on a sepa				

Profile Desc	ription: (Describe	to the de	epth needed to docu	ument t	he indica	ator or co	onfirm the absence of indi	cators.)		
Depth	Matrix			x Featu	4					
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Rema	rks	
0-16	10YR 3/2	100					Loamy/Clayey			
					. <u> </u>		·			
					·					
					· <u> </u>		·			
					·					
<u> </u>					· <u> </u>	·				
1							2			
		etion, RN	M=Reduced Matrix, M	/IS=Mas	ked Sand	Grains.	² Location: PL=Po			
Hydric Soil I							Indicators for Pro	-		
Histosol			Polyvalue Belo		ice (S8) (I	LRR R,		10) (LRR K, L,		
	pipedon (A2)		MLRA 149B	,				Redox (A16) (L		
Black Hi			Thin Dark Surf					eat or Peat (S3		
	n Sulfide (A4)		High Chroma S					ow Surface (S8		, L)
	I Layers (A5)		Loamy Mucky			R K, L)		face (S9) (LRR		
	Below Dark Surface	e (A11)	Loamy Gleyed		(F2)			se Masses (F12		-
	ark Surface (A12)		Depleted Matri					odplain Soils (F		
	lucky Mineral (S1)		Redox Dark Su		-			(TA6) (MLRA 1	44A, 145	, 149B)
	ileyed Matrix (S4)		Depleted Dark				Red Parent M			
	edox (S5)		Redox Depress	``	8)			Dark Surface (F	-22)	
	Matrix (S6)		Marl (F10) (LR	R K, L)			Other (Explain	i in Remarks)		
Dark Su	rface (S7)									
<u> </u>										
		ion and v	wetland hydrology mu	ist be p	resent, ur	nless dist	urbed or problematic.			
	_ayer (if observed):									
Type:	N/A	1								
Depth (ir	nches):						Hydric Soil Present?	Yes	No	Х
Remarks:										
	m is revised from No	rthcentra	al and Northeast Reg	ional Su	Ipplemen	t Version	2.0 to include the NRCS Fig	eld Indicators of	Hydric S	oils,
Version 7.0,	2015 Errata. (http://w	ww.nrcs	.usda.gov/Internet/FS	SE_DO	CUMENT	S/nrcs14	2p2_051293.docx)		-	

Project/Site: Mohaw	k Solar				City/County: Marshv	ille, Montgomery	1	Sampling Date: 8/1/18	
Applicant/Owner:	Avantgrid					State:	NY	Sampling Point: 1wet@wet3Q	
nvestigator(s): SZ, SB Section, Township, Range: Town of Canajoharie									
Landform (hillside, ter	race, etc.):	Flat		Local r	al relief (concave, convex, none): <u>None</u> Slope %: <u>0-1</u>				
Subregion (LRR or ML	_RA): <u>LRR</u>	R, MLRA 144A	Lat:	42.895036	Long:	-74.622895		Datum: NAD 83	
Soil Map Unit Name:	Madalin silty	/ clay loam				NWI classi	fication:	PEM	
Are climatic / hydrolog	jic conditions	on the site typic	al for	this time of year?	Yes X	No	(If no, e	explain in Remarks.)	
Are Vegetation	, Soil	, or Hydrology		significantly disturb	ed? Are "Norm	nal Circumstance	əs" prese	ent? Yes X No	
Are Vegetation	, Soil	, or Hydrology		_naturally problemat	tic? (If needed	d, explain any an	swers in	Remarks.)	
SUMMARY OF F	INDINGS -	- Attach site	map	showing same	pling point locat	ions, transe	cts, im	portant features, etc.	
Hydrophytic Vegetati	ion Present?	Yes	х	No	Is the Sampled A	rea			
Hydric Soil Present?		Yes	Х	No	within a Wetland	? Yes	Х	No	
Wetland Hydrology F	'resent?	Yes	Х	No	lf yes, optional We	etland Site ID:			
Remarks: (Explain alternative procedures here or in a separate report.)									

Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)			
Primary Indicators (minimum of one is require	Surface Soil Cracks (B6)			
X Surface Water (A1)	X Drainage Patterns (B10)			
High Water Table (A2)	Moss Trim Lines (B16)			
Saturation (A3)	Dry-Season Water Table (C2)			
Water Marks (B1)	Crayfish Burrows (C8)			
Sediment Deposits (B2)	Saturation Visible on Aerial Imagery (C9)			
Drift Deposits (B3)	Presence of Reduced Iron (C4)		Stunted or Stressed Plants (D1)	
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soils	s (C6)	Geomorphic Position (D2)	
Iron Deposits (B5)	Thin Muck Surface (C7)		Shallow Aquitard (D3)	
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks)		Microtopographic Relief (D4)	
Sparsely Vegetated Concave Surface (B	8)		X FAC-Neutral Test (D5)	
Field Observations:				
Surface Water Present? Yes X	No Depth (inches): 1			
Water Table Present? Yes	No X Depth (inches):			
		land Hydrology Present? Yes X No		
Saturation Present? Yes X	No Depth (inches): 0	Wetlan	d Hydrology Present? Yes X No	
Saturation Present? Yes X (includes capillary fringe)	No Depth (inches): 0	Wetlan	d Hydrology Present? Yes X No	
(includes capillary fringe)				
(includes capillary fringe)				
(includes capillary fringe)				
(includes capillary fringe) Describe Recorded Data (stream gauge, mor				
(includes capillary fringe) Describe Recorded Data (stream gauge, mor				
(includes capillary fringe) Describe Recorded Data (stream gauge, mor				
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(includes capillary fringe) Describe Recorded Data (stream gauge, mor				
(includes capillary fringe) Describe Recorded Data (stream gauge, mor				
(includes capillary fringe) Describe Recorded Data (stream gauge, mor				

Sampling Point: 1wet@wet3Q

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. 2.		·		Number of Dominant Species That Are OBL, FACW, or FAC:2 (A)
3. 4.				Total Number of Dominant Species Across All Strata: <u>3</u> (B)
5. 6.				Percent of Dominant Species That Are OBL, FACW, or FAC: <u>66.7%</u> (A/B)
7				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15)		-		OBL species 40 x 1 = 40
1				FACW species 55 x 2 = 110
2.				FAC species 0 x 3 = 0
3.				FACU species 0 x 4 = 0
4.				UPL species 30 x 5 = 150
5				Column Totals: 125 (A) 300 (B)
				Prevalence Index = $B/A = 2.40$
o 7		·		Hydrophytic Vegetation Indicators:
/:		=Total Cover		
Harb Stratum (Dist size) E				1 - Rapid Test for Hydrophytic Vegetation X 2 - Dominance Test is >50%
Herb Stratum (Plot size: 5)	05	Ma a	EA 014/	
1. Phalaris arundinacea	35	Yes	FACW	X 3 - Prevalence Index is $\leq 3.0^{1}$
2. Bidens frondosa	20	No	FACW	4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
3. Polygonum sagittatum	10	No	OBL	
4. <u>Setaria viridis</u>	30	Yes	UPL	Problematic Hydrophytic Vegetation ¹ (Explain)
 <u>Glyceria striata</u> 6. 	30	Yes	OBL	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7.				Definitions of Vegetation Strata:
8.				
9.		·		Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
10.		·		
11.				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
12	125	=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size:30) 1.				Woody vines – All woody vines greater than 3.28 ft in height.
2.				
		·		Hydrophytic
		·		Vegetation Present? Yes X No
4		=Total Cover		Present? Yes <u>X</u> No
Remarks: (Include photo numbers here or on a sepa				

Profile Desc	ription: (Describe	to the de	pth needed to docu	ument t	he indica	ator or co	onfirm the absence o	of indicators.)
Depth	Matrix		Redo	x Featur	es			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-1	10YR 2/1	100					Loamy/Clayey	
1-16	10YR 3/1	98	7.5YR 5/6	2	С	М	Loamy/Clayey	
———								
¹ Type: C=C	oncentration, D=Dep	letion RM	Reduced Matrix M	/S=Mas	ked Sand	Grains	² Location:	PL=Pore Lining, M=Matrix.
Hydric Soil								for Problematic Hydric Soils ³ :
Histosol			Polyvalue Belo	w Surfa	ce (S8) (I	LRR R,		uck (A10) (LRR K, L, MLRA 149B)
	oipedon (A2)		 MLRA 149B		(-/(,		Prairie Redox (A16) (LRR K, L, R)
	stic (A3)		Thin Dark Surfa	,) (LRR R	, MLRA 1		ucky Peat or Peat (S3) (LRR K, L, R)
	n Sulfide (A4)		High Chroma S	•	<i>,</i> ,			ue Below Surface (S8) (LRR K, L)
	Layers (A5)		Loamy Mucky					rk Surface (S9) (LRR K, L)
	Below Dark Surface	e (A11)	Loamy Gleyed	Matrix (F2)		Iron-Ma	nganese Masses (F12) (LRR K, L, R)
Thick Da	ark Surface (A12)		Depleted Matri	x (F3)			Piedmo	nt Floodplain Soils (F19) (MLRA 149B)
Sandy M	lucky Mineral (S1)		X Redox Dark Su	urface (F	-6)		Mesic S	podic (TA6) (MLRA 144A, 145, 149B)
Sandy G	leyed Matrix (S4)		Depleted Dark	Surface	e (F7)		Red Pa	rent Material (F21)
Sandy R	edox (S5)		Redox Depress	sions (F	8)		Very Sh	allow Dark Surface (F22)
Stripped	Matrix (S6)		Marl (F10) (LR	R K, L)			Other (E	Explain in Remarks)
Dark Su	rface (S7)							
³ Indicators o	f hydrophytic vegetat	tion and w	etland hydrology mι	ust be pi	resent, ur	nless dist	urbed or problematic.	
Restrictive I	Layer (if observed):							
Type:	N//	4						
Depth (ir	nches):						Hydric Soil Prese	nt? Yes <u>X</u> No
Remarks:							•	
								CS Field Indicators of Hydric Soils,
Version 7.0,	2015 Errata. (http://v	ww.nrcs.	usda.gov/Internet/F	SE_DOU	JUMENT	S/nrcs14	2p2_051293.docx)	

Project/Site: Mohawk Sola	r	City/Cou	nty: Marshville, Montgomery	Sampling Date: 9/21/2018
Applicant/Owner: Avan	tgrid		State: NY	Sampling Point: 1Up@wet3Q
Investigator(s): SZ, SB			Section, Township, Range: <u>Town c</u>	of Canajoharie
Landform (hillside, terrace, e	etc.): Flat	Local relief (cond	cave, convex, none): <u>None</u>	Slope %: 0-1
Subregion (LRR or MLRA):	LRR R, MLRA 144A Lat:	42.894974	Long: <u>-74.623035</u>	Datum: NAD 83
Soil Map Unit Name: Mada	lin silty clay loam		NWI classification	ו: <u>N/A</u>
Are climatic / hydrologic con	ditions on the site typical for	this time of year?	Yes X No (If no	, explain in Remarks.)
Are Vegetation, Soil	, or Hydrology	significantly disturbed?	Are "Normal Circumstances" pre	sent? Yes X No
Are Vegetation, Soil	, or Hydrology	naturally problematic?	(If needed, explain any answers	in Remarks.)
SUMMARY OF FINDI	NGS – Attach site map	o showing sampling po	pint locations, transects, in	mportant features, etc.

Hydrophytic Vegetation Present?	Yes	No X	Is the Sampled Area within a Wetland? Yes No X If yes, optional Wetland Site ID:			
Hydric Soil Present?	Yes	No X				
Wetland Hydrology Present?	Yes	No X				
Remarks: (Explain alternative procedures here or in a separate report.)						

Wetland Hydrology Indicate	ors:	Secondary Indicators (min	imum of two required)				
Primary Indicators (minimum	of one is requi	Surface Soil Cracks (E	Surface Soil Cracks (B6)				
Surface Water (A1)		Drainage Patterns (B10)					
High Water Table (A2)		Moss Trim Lines (B16)				
Saturation (A3)		Dry-Season Water Ta	ble (C2)				
Water Marks (B1)		Hydrog	en Sulfide Odor (C1)		Crayfish Burrows (C8)		
Sediment Deposits (B2)		Oxidize	ed Rhizospheres on Living Re	oots (C3)	Saturation Visible on A	Aerial Imagery (C9)	
Drift Deposits (B3)		Presen	ce of Reduced Iron (C4)		Stunted or Stressed P	lants (D1)	
Algal Mat or Crust (B4)		Recent	Iron Reduction in Tilled Soil	s (C6)	Geomorphic Position ((D2)	
Iron Deposits (B5)		Thin M	uck Surface (C7)		Shallow Aquitard (D3)		
Inundation Visible on Ae	rial Imagery (B	7) Other (Explain in Remarks)		Microtopographic Reli	ef (D4)	
Sparsely Vegetated Con	cave Surface (I	38)			FAC-Neutral Test (D5))	
Field Observations:							
Surface Water Present?	Yes						
Water Table Present?	Yes	No X	Depth (inches):				
Saturation Present?	Yes	No X	Depth (inches):	Wetlar	nd Hydrology Present?	Yes No X	
(includes capillary fringe)							
Describe Recorded Data (str	eam gauge, mo	onitoring well,	aerial photos, previous inspe	ections), if	available:		
Remarks:							

Sampling Point: 1Up@wet3Q

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1				Number of Dominant Species
2				That Are OBL, FACW, or FAC:(A)
3 4				Total Number of Dominant Species Across All Strata: 2 (B)
5 6				Percent of Dominant Species That Are OBL, FACW, or FAC: 50.0% (A/B)
7.				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15)				OBL species 0 x 1 = 0
1				FACW species 10 x 2 = 20
2.				FAC species 25 x 3 = 75
3.				FACU species 5 x 4 = 20
1				UPL species 45 x 5 = 225
				Column Totals: 85 (A) 340 (B)
6				Prevalence Index = $B/A = 4.00$
o 7.				Hydrophytic Vegetation Indicators:
···		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Horb Stratum (Dist size: 5)		- Total Cover		2 - Dominance Test is >50%
Herb Stratum (Plot size: 5)	-	NI.	FA 0)4/	
1. Phalaris arundinacea	5	No	FACW	3 - Prevalence Index is ≤3.0 ¹
2. Bidens frondosa		No	FACW	4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
3. Polygonum sp.		No		
4. <u>Setaria viridis</u>	45	Yes	UPL	Problematic Hydrophytic Vegetation ¹ (Explain)
5. Rumex crispus	25	Yes	FAC	¹ Indicators of hydric soil and wetland hydrology must
6. Taraxacum officinale	5	No	FACU	be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8				Tree – Woody plants 3 in. (7.6 cm) or more in
9				diameter at breast height (DBH), regardless of height.
10.				Sapling/shrub – Woody plants less than 3 in. DBH
11.				and greater than or equal to 3.28 ft (1 m) tall.
12.				
	90	=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30)				
1				Woody vines – All woody vines greater than 3.28 ft in height.
2				Hydrophytic
1				Vegetation Present? Yes No X
4				Present? Yes <u>No X</u>
		=Total Cover		
Remarks: (Include photo numbers here or on a sepa	arate sheet.)			

Profile Desc	ription: (Describe	to the de	epth needed to docu	ument t	he indica	ator or c	onfirm the absence of	indicators.)
Depth	Matrix		Redo	x Featur	es			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-16	10YR 3/2	98	7.5YR 5/6	2	<u> </u>	<u>M</u>	Loamy/Clayey	Prominent redox concentrations
	ncentration D=Den	letion R	M=Reduced Matrix, N	 1S=Mas	ked Sand	Grains	² l ocation: Pl	=Pore Lining, M=Matrix.
Hydric Soil I				10-11103	Keu Oan			r Problematic Hydric Soils ³ :
Histosol			Polyvalue Belo	w Surfa	ce (S8) (LRR R,		k (A10) (LRR K, L, MLRA 149B)
	ipedon (A2)		MLRA 149B		()(airie Redox (A16) (LRR K, L, R)
Black His			Thin Dark Surf) (LRR R	, MLRA [·]		ky Peat or Peat (S3) (LRR K, L, R)
	n Sulfide (A4)		High Chroma S					Below Surface (S8) (LRR K, L)
	Layers (A5)		Loamy Mucky					Surface (S9) (LRR K, L)
	Below Dark Surface	e (A11)	Loamy Gleyed			. ,		ganese Masses (F12) (LRR K, L, R)
	rk Surface (A12)		Depleted Matri		/			Floodplain Soils (F19) (MLRA 149B)
	ucky Mineral (S1)		Redox Dark Su		6)			odic (TA6) (MLRA 144A, 145, 149B)
	leyed Matrix (S4)		Depleted Dark	•	,			nt Material (F21)
					. ,			()
	edox (S5)		Redox Depress	`	8)			llow Dark Surface (F22)
	Matrix (S6)		Marl (F10) (LR	R K, L)			Other (Ex	plain in Remarks)
Dark Sur	face (S7)							
³ Indicators of	hydrophytic vegetat	ion and v	vetland hydrology mu	ust be pi	resent, ui	nless dist	urbed or problematic.	
Restrictive L	ayer (if observed):							
Type:	N/A	4						
Depth (in	iches):						Hydric Soil Present	t? Yes <u>No X</u>
Remarks:								
			al and Northeast Reg .usda.gov/Internet/FS					S Field Indicators of Hydric Soils,

Project/Site: Mohawk Solar			City/County: Montgomery County	Sampling Date: 10/19/17
Applicant/Owner: Mohawk S	olar LLC		State: NY	Sampling Point: <u>1wet@wetA</u>
Investigator(s): John Wojcikiewie	z, Shelby Zemken		Section, Township, Range: Town	of Canajoharie and Minden
Landform (hillside, terrace, etc.):	Flat	Local re	elief (concave, convex, none): <u>Concave</u>	Slope %: 0
Subregion (LRR or MLRA): LRF	RL Lat:	42.8898	Long: <u>-74.5989</u>	Datum: WGS84
Soil Map Unit Name: Appleton s	ilty loam, 3 to 8 percen	t slopes	NWI classification	n: POW
Are climatic / hydrologic condition	s on the site typical for	this time of year?	Yes X No (If no	, explain in Remarks.)
Are Vegetation, Soil	, or Hydrology	significantly disturbe	ed? Are "Normal Circumstances" pre	esent? Yes X No
Are Vegetation, Soil	, or Hydrology	naturally problemati	c? (If needed, explain any answers	in Remarks.)
SUMMARY OF FINDINGS	 Attach site map 	o showing samp	ling point locations, transects, i	mportant features, etc.
Hydrophytic Vegetation Present	? Yes X	No	Is the Sampled Area	
Hydric Soil Present?	Yes X	No	within a Wetland? Yes X	No
Wetland Hydrology Present?	Yes X	No	If yes, optional Wetland Site ID:	

Remarks: (Explain alternative procedures here or in a separate report.)

Wetland Hydrology Indicators:	<u>.</u>	Secondary Indicators (minimum of two required)			
Primary Indicators (minimum of one is require		Surface Soil Cracks (B6)			
X Surface Water (A1)	_	Drainage Patterns (B10)			
X High Water Table (A2)	_	Moss Trim Lines (B16)			
X Saturation (A3)	Marl Deposits (B15)		Dry-Season Water Table (C2)		
Water Marks (B1)	Hydrogen Sulfide Odor (C1)		Crayfish Burrows (C8)		
Sediment Deposits (B2)	Oxidized Rhizospheres on Living Ro	oots (C3)	Saturation Visible on Aerial Imagery (C9)		
Drift Deposits (B3)	Presence of Reduced Iron (C4)		Stunted or Stressed Plants (D1)		
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soils	s (C6)	Geomorphic Position (D2)		
Iron Deposits (B5)	Thin Muck Surface (C7)		Shallow Aquitard (D3)		
Inundation Visible on Aerial Imagery (B7)	Other (Explain in Remarks)		Microtopographic Relief (D4)		
Sparsely Vegetated Concave Surface (B	3)		X FAC-Neutral Test (D5)		
Field Observations:					
Surface Water Present? Yes X	No 1 Depth (inches):				
Water Table Present? Yes X					
	No 0 Depth (inches):				
Saturation Present? Yes X	No 0 Depth (inches):	Wetland	Hydrology Present? Yes X No		
		Wetland	Hydrology Present? Yes X No		
Saturation Present? Yes X	No 0 Depth (inches):				
Saturation Present? Yes X (includes capillary fringe)	No 0 Depth (inches):				
Saturation Present? Yes X (includes capillary fringe)	No 0 Depth (inches):				
Saturation Present? Yes X (includes capillary fringe)	No 0 Depth (inches):				
Saturation Present? Yes X (includes capillary fringe)	No 0 Depth (inches):				
Saturation Present? Yes X (includes capillary fringe)	No 0 Depth (inches):				
Saturation Present? Yes X (includes capillary fringe)	No 0 Depth (inches):				
Saturation Present? Yes X (includes capillary fringe)	No 0 Depth (inches):				
Saturation Present? Yes X (includes capillary fringe)	No 0 Depth (inches):				
Saturation Present? Yes X (includes capillary fringe)	No 0 Depth (inches):				
Saturation Present? Yes X (includes capillary fringe)	No 0 Depth (inches):				
Saturation Present? Yes X (includes capillary fringe)	No 0 Depth (inches):				

Sampling Point: 1wet@wetA

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1				Number of Dominant Species
2				That Are OBL, FACW, or FAC: 2 (A)
3				Total Number of Dominant
4				Species Across All Strata: 2 (B)
5				Percent of Dominant Species
6				That Are OBL, FACW, or FAC: 100.0% (A/B)
7				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15)				OBL species 25 x 1 = 25
1				FACW species 50 x 2 = 100
2				FAC species x 3 =
3				FACU species x 4 =
4				UPL species x 5 =
5				Column Totals: 75 (A) 125 (B)
6				Prevalence Index = B/A = 1.67
7				Hydrophytic Vegetation Indicators:
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 15)				X 2 - Dominance Test is >50%
1. Phalaris arundinacea	40	Yes	FACW	X 3 - Prevalence Index is $\leq 3.0^{1}$
2. Typha latifolia	25	Yes	OBL	4 - Morphological Adaptations ¹ (Provide supporting
3. Onoclea sensibilis	10	No	FACW	data in Remarks or on a separate sheet)
4				Problematic Hydrophytic Vegetation ¹ (Explain)
5.				¹ Indicators of hydric soil and wetland hydrology must
6.				be present, unless disturbed or problematic.
7.				Definitions of Vegetation Strata:
8				Tree – Woody plants 3 in. (7.6 cm) or more in
9				diameter at breast height (DBH), regardless of height.
10				Sapling/shrub – Woody plants less than 3 in. DBH
11				and greater than or equal to 3.28 ft (1 m) tall.
12				Herb – All herbaceous (non-woody) plants, regardless
	75	=Total Cover		of size, and woody plants less than 3.28 ft tall.
<u>Woody Vine Stratum</u> (Plot size: <u>30</u>) 1.				Woody vines – All woody vines greater than 3.28 ft in height.
2				Toght.
				Hydrophytic
3				Vegetation Present? Yes X No
4		-Tatal Causer		Present? Yes <u>X</u> No
		=Total Cover		
Remarks: (Include photo numbers here or on a sepa	irate sheet.)			

Depth	Matrix	to the de		x Featur			onfirm the absence of ir	iuicai() 3.j
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-10	10YR 3/1	100					Loamy/Clayey	Silty Clay Loam
10-16	10YR 2/1	100					Loamy/Clayey	Silty Clay Loam
¹ Type: C=C	Concentration, D=Dep	letion, RM	I=Reduced Matrix, N	//S=Mas	ked Sand	Grains.	² Location: PL=	Pore Lining, M=Matrix.
Histoso Histic E Black H Hydrogu Stratifie Deplete Thick D Sandy I Sandy I Sandy F Stripped Dark Su	pipedon (A2) listic (A3) en Sulfide (A4) ed Layers (A5) ed Below Dark Surface lark Surface (A12) Mucky Mineral (S1) Gleyed Matrix (S4) Redox (S5) d Matrix (S6) urface (S7)		Polyvalue Belo MLRA 149B Thin Dark Surf High Chroma S Loamy Mucky Loamy Gleyed X Depleted Matri Redox Dark Su Depleted Dark Redox Deprese Marl (F10) (LR) ace (S9 Sands (S Mineral Matrix (x (F3) urface (F Surface sions (F R K, L)) (LRR R 511) (LRF (F1) (LRF F2) 56) 56) 5 (F7) 8)	, MLRA 1 R K, L) R K, L)	2 cm Muck Coast Prair 5 cm Muck Polyvalue E Thin Dark S Iron-Manga Piedmont F Mesic Spoo Red Parent Very Shallo Other (Expl	Problematic Hydric Soils ³ : (A10) (LRR K, L, MLRA 149B) ie Redox (A16) (LRR K, L, R) y Peat or Peat (S3) (LRR K, L, R) Below Surface (S8) (LRR K, L) Surface (S9) (LRR K, L) inese Masses (F12) (LRR K, L, R) Floodplain Soils (F19) (MLRA 149B dic (TA6) (MLRA 144A, 145, 149B) Material (F21) w Dark Surface (F22) ain in Remarks)
	of hydrophytic vegetat Layer (if observed):		etland hydrology mu	ust be pr	resent, ur	nless dist	urbed or problematic.	
Type:	N//							
Depth (inches):						Hydric Soil Present?	Yes X No
	rm is revised from No , 2015 Errata. (http://v							Field Indicators of Hydric Soils,

Project/Site: Mohawk Solar	City/County: Montgomery County Sampling Date: 10/19/17
Applicant/Owner: Mohawk Solar LLC	State: NY Sampling Point: 10p@WetA
Investigator(s): John Wojcikiewicz, Shelby Zemken	Section, Township, Range: Town of Canajoharie and Minden
Landform (hillside, terrace, etc.): Hilltop Loca	I relief (concave, convex, none): <u>None</u> Slope %:
Subregion (LRR or MLRA): LRR L Lat: 42.8901	Long: -74.5988 Datum: WGS84
Soil Map Unit Name: Appleton silt loam, 3 to 8 percent slopes	NWI classification: N/A
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes X No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrologysignificantly distu	Irbed? Are "Normal Circumstances" present? Yes X No
Are Vegetation, Soil, or Hydrologynaturally problem	natic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing sar	npling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes	No X	Is the Sampled Area within a Wetland? Yes NoX If yes, optional Wetland Site ID:
Hydric Soil Present?	Yes	No X	
Wetland Hydrology Present?	Yes	No X	
Remarks: (Explain alternative procedu	res here or in a	separate report.)	

Wetland Hydrology Indicat	ors:				Secondary Indicators (minimum	of two required)		
Primary Indicators (minimum	n of one is require		Surface Soil Cracks (B6)					
Surface Water (A1)		Water-	Stained Leaves (B9)		Drainage Patterns (B10)			
High Water Table (A2)		Aquatio	c Fauna (B13)		Moss Trim Lines (B16)			
Saturation (A3)		Marl D	eposits (B15)		Dry-Season Water Table (C2)			
Water Marks (B1)		Hydrog	gen Sulfide Odor (C1)		Crayfish Burrows (C8)			
Sediment Deposits (B2)		Oxidize	ed Rhizospheres on Living Re	oots (C3)	Saturation Visible on Aerial	Imagery (C9)		
Drift Deposits (B3)		Preser	nce of Reduced Iron (C4)		Stunted or Stressed Plants ((D1)		
Algal Mat or Crust (B4)		Recent	t Iron Reduction in Tilled Soil	s (C6)	Geomorphic Position (D2)			
Iron Deposits (B5)		Thin M	uck Surface (C7)		Shallow Aquitard (D3)			
Inundation Visible on Ae	rial Imagery (B7) Other ((Explain in Remarks)		Microtopographic Relief (D4)		
Sparsely Vegetated Con	icave Surface (B	8)			FAC-Neutral Test (D5)			
Field Observations:								
Surface Water Present?	Yes	No X	Depth (inches):					
Water Table Present?	Yes	No X	Depth (inches):					
				nd Hydrology Present? Yo	es No X			
				ia nyarology i resent. I i				
(includes capillary fringe)	100			Wetlan				
(includes capillary fringe)			aerial photos, previous inspe			<u></u>		
(includes capillary fringe)						<u> </u>		
(includes capillary fringe)								
(includes capillary fringe) Describe Recorded Data (str								
(includes capillary fringe) Describe Recorded Data (str						<u></u>		
(includes capillary fringe) Describe Recorded Data (str								
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(includes capillary fringe) Describe Recorded Data (str								
(includes capillary fringe) Describe Recorded Data (str								

Sampling Point: 1Up@WetA

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:		
1. Malus X arnoldiana	25	Yes	UPL	Number of Dominant Species		
2				That Are OBL, FACW, or FAC:	1	(A)
3				Total Number of Dominant		
4				Species Across All Strata:	4	(B)
5		. <u> </u>		Percent of Dominant Species		
6				That Are OBL, FACW, or FAC:	25.0%	(A/B)
7			·	Prevalence Index worksheet:		
	25	=Total Cover		Total % Cover of:	Multiply by:	
Sapling/Shrub Stratum (Plot size: 15)				· <u> </u>	x 1 =0	
1. Lonicera morrowii	25	Yes	FACU	· · · · · · · · · · · · · · · · · · ·	x 2 =	
2. Cornus racemosa	10	Yes	FAC	· · ·	x 3 = <u>30</u>	
3.				·	x 4 = <u>380</u>	
4.		·		· <u> </u>	x 5 = 125	(D)
5.					(A) 535	(B)
6.				Prevalence Index = B/A		
7	35	-Total Cavar		Hydrophytic Vegetation Indica		
Herb Stratum (Plot size: 5)		=Total Cover		1 - Rapid Test for Hydrophy 2 - Dominance Test is >50%	-	
1. Poa sp.	50	Yes	FACU	3 - Prevalence Index is ≤3.0		
2. Galium mollugo	10	No	FACU	4 - Morphological Adaptatio		oportina
3. Trifolium repens	10	No	FACU	data in Remarks or on a		
				Problematic Hydrophytic Ve	edetation ¹ (Expl	ain)
5						-
				¹ Indicators of hydric soil and we be present, unless disturbed or		must
6 7				Definitions of Vegetation Stra	-	
8.						
9.				Tree – Woody plants 3 in. (7.6 c diameter at breast height (DBH)		height.
10.				Sanling/shruh Woody planta	loss than 2 in 1	ישר
11.				Sapling/shrub – Woody plants and greater than or equal to 3.2		Лоп
12.				Herb – All herbaceous (non-woo	ndv) plante reg	ardless
	70	=Total Cover		of size, and woody plants less th		aiuless
Woody Vine Stratum (Plot size: 30)				Woody vines – All woody vines	areater than 3	28 ft in
1				height.	greater than o.	2010111
2						
3				Hydrophytic Vegetation		
4				Present? Yes	No <u>X</u>	
		=Total Cover				
Remarks: (Include photo numbers here or on a sepa	arate sheet.)					

Profile Desc	ription: (Describe f	the de	pth needed to doc	ument tl	he indica	ator or co	onfirm the absence of	findicators.)
Depth	Matrix		Redo	x Featur				
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-16	10YR 4/3	100					Loamy/Clayey	Silt Loam
						·		
¹ Type: C=Cc	oncentration, D=Depl	etion, RM	I=Reduced Matrix, N	/IS=Mas	ked Sand	d Grains.	² Location: Pl	L=Pore Lining, M=Matrix.
Hydric Soil I	ndicators:						Indicators fo	or Problematic Hydric Soils ³ :
Histosol	(A1)		Polyvalue Belo	w Surfa	ce (S8) (I	LRR R,	2 cm Mu	ck (A10) (LRR K, L, MLRA 149B)
Histic Ep	ipedon (A2)		MLRA 149B)			Coast Pra	airie Redox (A16) (LRR K, L, R)
Black His	stic (A3)		Thin Dark Surf	ace (S9)) (LRR R	, MLRA 1	49B) 5 cm Mu	cky Peat or Peat (S3) (LRR K, L, R)
Hydroger	n Sulfide (A4)		High Chroma S	Sands (S	611) (LRF	R K, L)	Polyvalue	e Below Surface (S8) (LRR K, L)
Stratified	l Layers (A5)		Loamy Mucky	Mineral	(F1) (LRI	R K, L)	Thin Dark	k Surface (S9) (LRR K, L)
Depleted	Below Dark Surface	e (A11)	Loamy Gleyed	Matrix (F2)		Iron-Man	ganese Masses (F12) (LRR K, L, R)
Thick Da	rk Surface (A12)		Depleted Matri	x (F3)			Piedmon	t Floodplain Soils (F19) (MLRA 149B)
Sandy M	lucky Mineral (S1)		Redox Dark Su	urface (F	6)		Mesic Sp	oodic (TA6) (MLRA 144A, 145, 149B)
	leyed Matrix (S4)		Depleted Dark					ent Material (F21)
	edox (S5)		Redox Depres		8)			allow Dark Surface (F22)
Stripped	Matrix (S6)		Marl (F10) (LR	R K, L)			Other (Ex	xplain in Remarks)
Dark Sur	face (S7)							
		ion and w	etland hydrology mu	ust be pr	resent, ur	nless dist	urbed or problematic.	
	_ayer (if observed):							
Туре:	N/A	۱						
Depth (in	nches):						Hydric Soil Presen	nt? Yes No X
Remarks:								
								CS Field Indicators of Hydric Soils,
Version 7.0, 2	2015 Errata. (http://w	ww.nrcs.	usda.gov/Internet/F	SE_DOC	CUMENT	S/nrcs14	2p2_051293.docx)	

Project/Site: Mohaw	k Solar			City/County: Montgo	mery County		Sampling Date:	6/12/2018
Applicant/Owner:	Mohawk Solar LLC				State:	NY	Sampling Point	t: <u>1Wet@WetAA</u>
Investigator(s): John	Wojicikiewicz, Shelby Z	lemken		Section, Tov	vnship, Range:	Town of	Canajoharie and	Minden
Landform (hillside, ter	race, etc.): Depression	on between s	slopes Local re	elief (concave, conve	k, none): <u>Conca</u>	ive	Slope	e %: <u>1-2</u>
Subregion (LRR or ML	_RA): LRR L	Lat:	42.875376	Long:	-74.613908		Datum:	WGS84
Soil Map Unit Name:	Rhinebeck silty clay lo	am, 3 to 8 pe	ercent slopes		NWI classi	ification:	PEM	
Are climatic / hydrolog	gic conditions on the site	typical for t	his time of year?	Yes X	No	(If no, e	explain in Remark	s.)
Are Vegetation	, Soil, or Hydro	ology	significantly disturbe	ed? Are "Norm	al Circumstanc	es" prese	ent? Yes X	No
Are Vegetation	, Soil, or Hydro	ology	naturally problemati	ic? (If needed	, explain any ar	swers in	Remarks.)	
SUMMARY OF F	INDINGS – Attach	site map	showing samp	ling point locati	ons, transe	cts, im	portant featu	res, etc.
Hydrophytic Vegetati	on Present?	Yes X	No	Is the Sampled Ar	ea			
Hydric Soil Present?		Yes X	No	within a Wetland?	Yes	s X	No	
Wetland Hydrology F	resent?	Yes X	No	If yes, optional We	land Site ID:			
Remarks: (Explain a	Iternative procedures h	ere or in a se	eparate report.)					

Wetland Hydrology Indicators:				Secondary Indicators (minimum of two required)		
Primary Indicators (minimum of one is require	X Surface Soil Cracks (B6)					
X Surface Water (A1)	Drainage Patterns (B10)					
High Water Table (A2)	Aquatio	c Fauna (B13)		Moss Trim Lines (B16)		
X Saturation (A3)	Marl De	eposits (B15)		Dry-Season Water Table (C2)		
Water Marks (B1)	Hydrog	en Sulfide Odor (C1)		Crayfish Burrows (C8)		
Sediment Deposits (B2)	Oxidize	ed Rhizospheres on Living F	Roots (C3)	Saturation Visible on Aerial Imagery (C9)		
Drift Deposits (B3)	Presen	ice of Reduced Iron (C4)		Stunted or Stressed Plants (D1)		
Algal Mat or Crust (B4)	Recent	t Iron Reduction in Tilled So	ils (C6)	Geomorphic Position (D2)		
Iron Deposits (B5)	Thin M	uck Surface (C7)		Shallow Aquitard (D3)		
Inundation Visible on Aerial Imagery (B7)	Other (Explain in Remarks)		Microtopographic Relief (D4)		
Sparsely Vegetated Concave Surface (B				X FAC-Neutral Test (D5)		
Field Observations:						
Surface Water Present? Yes X	No	Depth (inches): 2				
Water Table Present? Yes	No X	Depth (inches):				
Saturation Present? Yes X	No	Depth (inches): 0	Wetlar	nd Hydrology Present? Yes X No		
(includes capillary fringe)						
Describe Recorded Data (stream gauge, mor	nitoring well,	aerial photos, previous insp	ections), if	available:		
Remarks:						

Sampling Point: 1Wet@WetAA

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. Ulmus americana	10	Yes	FACW	Number of Dominant Species
2				That Are OBL, FACW, or FAC: 8 (A)
3 4				Total Number of Dominant Species Across All Strata: 8 (B)
5. 6.				Percent of Dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B)
7.				Prevalence Index worksheet:
	10	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15)				OBL species 35 x 1 = 35
1. Cornus amomum	15	Yes	FACW	FACW species 75 x 2 = 150
2. Cornus sericea	10	Yes	FACW	FAC species 10 x 3 = 30
3				FACU species x 4 =
4				UPL species 0 x 5 = 0
5				Column Totals: 120 (A) 215 (B)
6				Prevalence Index = B/A = 1.79
7				Hydrophytic Vegetation Indicators:
	25	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5)				X 2 - Dominance Test is >50%
1. Phalaris arundinacea	35	Yes	FACW	X_3 - Prevalence Index is ≤3.0 ¹
2. Carex stipata	10	Yes	OBL	4 - Morphological Adaptations ¹ (Provide supporting
3. Carex vulpinoidea	10	Yes	OBL	data in Remarks or on a separate sheet)
4. Carex sp.	10	Yes	FAC	Problematic Hydrophytic Vegetation ¹ (Explain)
5. Juncus effusus	10	Yes	OBL	¹ Indicators of hydric soil and wetland hydrology must
6. Scirpus atrovirens	5	No	OBL	be present, unless disturbed or problematic.
7. Eupatorium perfoliatum	5	No	FACW	Definitions of Vegetation Strata:
8				Tree – Woody plants 3 in. (7.6 cm) or more in
9				diameter at breast height (DBH), regardless of height.
10 11				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
12.				Herb – All herbaceous (non-woody) plants, regardless
	85	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size:30) 1.				Woody vines – All woody vines greater than 3.28 ft in height.
2				
3				Hydrophytic Vegetation
4.				Present? Yes X No
		=Total Cover		
Remarks: (Include photo numbers here or on a sepa Moss was also present	rate sheet.)			

SOIL

Profile Desc	ription: (Describe	o the de	epth needed to docu	ument t	he indica	ator or c	onfirm the absence o	of indicators.)
Depth	Matrix		Redo	x Featur	es			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-8	10YR 3/1	90	7.5YR 5/6	10	С	М	Loamy/Clayey	Clay Silt Loam
8-16	10YR 3/1	80	7.5YR 5/6	10	С	Μ	Loamy/Clayey	Clay Silt Loam
		etion, RI	M=Reduced Matrix, M	/IS=Mas	ked Sand	d Grains.		PL=Pore Lining, M=Matrix.
Hydric Soil I								or Problematic Hydric Soils ³ :
Histosol			Polyvalue Belo		ce (S8) (I	LRR R,		uck (A10) (LRR K, L, MLRA 149B)
	ipedon (A2)		MLRA 149B	,				rairie Redox (A16) (LRR K, L, R)
Black His			Thin Dark Surfa		-			ucky Peat or Peat (S3) (LRR K, L, R)
	n Sulfide (A4)		High Chroma S					ue Below Surface (S8) (LRR K, L)
	Layers (A5)		Loamy Mucky			ΚΚ, L)		rk Surface (S9) (LRR K, L)
	Below Dark Surface	(A11)	Loamy Gleyed		F2)			nganese Masses (F12) (LRR K, L, R)
	rk Surface (A12) ucky Mineral (S1)		Depleted Matri X Redox Dark Su		()			nt Floodplain Soils (F19) (MLRA 149B) podic (TA6) (MLRA 144A, 145, 149B)
	leyed Matrix (S4)		Depleted Dark	-	-			rent Material (F21)
	edox (S5)		Redox Depress		• •			allow Dark Surface (F22)
	Matrix (S6)		Marl (F10) (LR		0)			Explain in Remarks)
	face (S7)			i i i i, E/				
³ Indicators of	hvdrophytic vegetat	ion and v	wetland hydrology mu	ust be pr	esent. ur	nless dist	turbed or problematic.	
	ayer (if observed):		, ,,	•	,			
Type:	N/A	`						
Depth (ir	nches):						Hydric Soil Prese	nt? Yes <u>X</u> No
Remarks:								
								CS Field Indicators of Hydric Soils,
Version 7.0,	2015 Errata. (http://w	ww.nrcs	.usda.gov/Internet/FS	SE_DOO	CUMENT	S/nrcs14	2p2_051293.docx)	

Project/Site: Mohawk Solar	City/County: Montgomery County Sampling Date: 6/12/2018
Applicant/Owner: Mohawk Solar LLC	State: NY Sampling Point: 10p@WetAA
Investigator(s): John Wojicikiewicz, Shelby Zemken	Section, Township, Range: Town of Canajoharie and Minden
Landform (hillside, terrace, etc.): Hillslope	Local relief (concave, convex, none): Convex Slope %: 4-5
Subregion (LRR or MLRA): LRR L Lat: 42.87577	4 Long: <u>-74.614154</u> Datum: <u>WGS84</u>
Soil Map Unit Name: Rhinebeck silty clay loam, 3 to 8 percent slo	pesNWI classification: N/A
Are climatic / hydrologic conditions on the site typical for this time of	of year? Yes X No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrologysignifican	tly disturbed? Are "Normal Circumstances" present? Yes X No
Are Vegetation, Soil, or Hydrologynaturally	problematic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showin	ng sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes	No X	Is the Sampled Area within a Wetland? Yes No X If yes, optional Wetland Site ID:
Hydric Soil Present?	Yes	No X	
Wetland Hydrology Present?	Yes	No X	
Remarks: (Explain alternative procedu	ures here or in a	separate report.)	

Wetland Hydrology Indicat	ors:				Secondary Indicators (minimum	of two required)		
Primary Indicators (minimum	n of one is require		Surface Soil Cracks (B6)					
Surface Water (A1)		Water-	Stained Leaves (B9)		Drainage Patterns (B10)			
High Water Table (A2)		Aquatio	c Fauna (B13)		Moss Trim Lines (B16)			
Saturation (A3)		Marl D	eposits (B15)		Dry-Season Water Table (C2)			
Water Marks (B1)		Hydrog	gen Sulfide Odor (C1)		Crayfish Burrows (C8)			
Sediment Deposits (B2)		Oxidize	ed Rhizospheres on Living Re	oots (C3)	Saturation Visible on Aerial	Imagery (C9)		
Drift Deposits (B3)		Preser	nce of Reduced Iron (C4)		Stunted or Stressed Plants ((D1)		
Algal Mat or Crust (B4)		Recent	t Iron Reduction in Tilled Soil	s (C6)	Geomorphic Position (D2)			
Iron Deposits (B5)		Thin M	uck Surface (C7)		Shallow Aquitard (D3)			
Inundation Visible on Ae	rial Imagery (B7) Other ((Explain in Remarks)		Microtopographic Relief (D4)		
Sparsely Vegetated Con	icave Surface (B	8)			FAC-Neutral Test (D5)			
Field Observations:								
Surface Water Present?	Yes	No X	Depth (inches):					
Water Table Present?	Yes	No X	Depth (inches):					
				nd Hydrology Present? Yo	es No X			
				ia nyarology i resent. I i				
(includes capillary fringe)	100		2 op (e.).	Wetlan				
(includes capillary fringe)			aerial photos, previous inspe			<u></u>		
(includes capillary fringe)						<u> </u>		
(includes capillary fringe)								
(includes capillary fringe) Describe Recorded Data (str								
(includes capillary fringe) Describe Recorded Data (str						<u></u>		
(includes capillary fringe) Describe Recorded Data (str								
(includes capillary fringe) Describe Recorded Data (str						<u></u>		
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(includes capillary fringe) Describe Recorded Data (str						<u></u>		
(includes capillary fringe) Describe Recorded Data (str								
(includes capillary fringe) Describe Recorded Data (str								

Sampling Point: 1Up@WetAA

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. 2.				Number of Dominant Species That Are OBL, FACW, or FAC:1 (A)
3 4				Total Number of Dominant Species Across All Strata: 4 (B)
5. 6.				Percent of Dominant Species That Are OBL, FACW, or FAC:(A/B)
7				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 30)				OBL species 0 x 1 = 0
1				FACW species 0 x 2 = 0
2				FAC species 10 x 3 = 30
3.				FACU species 25 x 4 = 100
4.				UPL species 15 x 5 = 75
5.				Column Totals: 50 (A) 205 (B)
6.				Prevalence Index = B/A = 4.10
7.				Hydrophytic Vegetation Indicators:
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 30)				2 - Dominance Test is >50%
1. Vicia cracca	15	Yes	UPL	3 - Prevalence Index is ≤3.0 ¹
2. Phalaris sp.	10	Yes	FAC	4 - Morphological Adaptations ¹ (Provide supporting
3. Trifolium sp.	10	Yes	FACU	data in Remarks or on a separate sheet)
4. Lotus corniculatus	10	Yes	FACU	Problematic Hydrophytic Vegetation ¹ (Explain)
5. Ranunculus sp.	5	No	FACU	Indiastors of hydric soil and watland hydrology must
6.				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7.				Definitions of Vegetation Strata:
8				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
10.				
11.				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
12	50	=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size:30) 1.				Woody vines – All woody vines greater than 3.28 ft in height.
2.				
2				Hydrophytic
4.				Vegetation Present? Yes No X
·		=Total Cover		
Remarks: (Include photo numbers here or on a sepa	rate sheet.)			

SOIL

Profile Dese	cription: (Describe	to the de	pth needed to doc	ument t	he indica	ator or co	onfirm the absence of ir	ndicators.)
Depth	Matrix		Redo	x Featu	res			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-8	10YR 3/3	98	7.5YR 5/6	2	С	М	Loamy/Clayey	Silt Loam
8-16	10YR 3/3	98	7.5YR 5/6	2	С	М	Loamy/Clayey	Silt Loam
¹ Type: C=C	oncentration, D=Dep	letion, RM	I=Reduced Matrix, N	//S=Mas	ked Sand	d Grains.	² Location: PL=	Pore Lining, M=Matrix.
Hydric Soil	Indicators:						Indicators for	Problematic Hydric Soils ³ :
Histosol	(A1)		Polyvalue Belo	ow Surfa	ice (S8) (I	LRR R,	2 cm Muck	(A10) (LRR K, L, MLRA 149B)
Histic E	pipedon (A2)		MLRA 149B	,				ie Redox (A16) (LRR K, L, R)
	istic (A3)		Thin Dark Surf					y Peat or Peat (S3) (LRR K, L, R)
	en Sulfide (A4)		High Chroma					Below Surface (S8) (LRR K, L)
	d Layers (A5)		Loamy Mucky			R K, L)		Surface (S9) (LRR K, L)
	d Below Dark Surface	e (A11)	Loamy Gleyed		(F2)			nese Masses (F12) (LRR K, L, R)
	ark Surface (A12)		Depleted Matri					loodplain Soils (F19) (MLRA 149B)
	/lucky Mineral (S1)		Redox Dark Su	,	,			dic (TA6) (MLRA 144A, 145, 149B)
	Gleyed Matrix (S4)		Depleted Dark		. ,			Material (F21)
	Redox (S5)		Redox Depres	`	8)			w Dark Surface (F22)
	Matrix (S6)		Marl (F10) (LR	RR K, L)			Other (Expl	ain in Remarks)
Dark Su	rface (S7)							
³ Indicators o	f hydrophytic vegetat	tion and w	etland hydrology m	ust be p	resent ur	nless dist	urbed or problematic.	
	Layer (if observed):		iotiana nyarology m					
Type:	N//	4						
Depth (i	nches):						Hydric Soil Present?	Yes No X
Remarks:								
								Field Indicators of Hydric Soils,
Version 7.0,	2015 Errata. (http://v	www.nrcs.	usda.gov/Internet/F	SE_DO	CUMENT	S/nrcs14	2p2_051293.docx)	

Project/Site: Mohaw	/k Solar					City/County: M	ontgo	mery County		Sampling Date:	10/18	3/17
Applicant/Owner:	Mohawk Sola	ar LLC						State:	NY	Sampling Poin	t: <u>1we</u>	et@wetB
Investigator(s): John	Wojcikiewicz					Sectio	n, Tov	wnship, Range:	Town of	Canajoharie and	Minde	n
Landform (hillside, ter	race, etc.):	Bowl-shaped de	pres	sion	Local re	elief (concave, o	conve	ex, none): <u>Conc</u> a	ave	Slop	e %:	2-3
Subregion (LRR or MI	LRA): LRR I		Lat:	42.8883		L	ong:	-74.6037		Datum:	WGS	\$84
Soil Map Unit Name:	Llion silt loar	n, 3 to 8 percent	slop	es				NWI class	ification:	PEM		
Are climatic / hydrolog	jic conditions	on the site typica	I for	this time of	year?	Yes	Х	No	(If no, o	explain in Remark	(s.)	
Are Vegetation	, Soil	, or Hydrology		significantl	ly disturb	ed? Are	"Norm	nal Circumstand	es" pres	ent? Yes X	_ No _	
Are Vegetation	, Soil	, or Hydrology		naturally p	roblemat	tic? (If n	eeded	d, explain any ai	nswers ir	ו Remarks.)		
SUMMARY OF F	INDINGS -	Attach site r	nap	showing	g samp	oling point l	ocat	ions, transe	cts, im	portant featu	ires,	etc.
Hydrophytic Vegetati	ion Present?	Yes	х	No		Is the Samp	led Ar	rea				
Hydric Soil Present?		Yes	Х	No		within a Wet	tland	? Ye	s <u>X</u>	No		
Wetland Hydrology F	Present?	Yes	Х	No	_	If yes, option	al We	etland Site ID:				
Remarks: (Explain a	alternative proc	cedures here or in	nas	eparate rep	oort.)							

wetland Hydrology indicators:	Wetland Hydrology Indicators:					
Primary Indicators (minimum of one is require	Surface Soil Cracks (B6)					
X Surface Water (A1)	Water-Stained Leaves (B9)		Drainage Patterns (B10)			
X High Water Table (A2)	Aquatic Fauna (B13)		Moss Trim Lines (B16)			
X Saturation (A3)	Marl Deposits (B15)		Dry-Season Water Table (C2)			
Water Marks (B1)	Hydrogen Sulfide Odor (C1)		Crayfish Burrows (C8)			
Sediment Deposits (B2)	Oxidized Rhizospheres on Living Ro	oots (C3)	Saturation Visible on Aerial Imagery (C9)			
Drift Deposits (B3)	Presence of Reduced Iron (C4)		Stunted or Stressed Plants (D1)			
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soil	s (C6)	Geomorphic Position (D2)			
Iron Deposits (B5)	Thin Muck Surface (C7)		Shallow Aquitard (D3)			
Inundation Visible on Aerial Imagery (B7)) Other (Explain in Remarks)		Microtopographic Relief (D4)			
Sparsely Vegetated Concave Surface (B	8)		FAC-Neutral Test (D5)			
Field Observations:						
Surface Water Present? Yes X	No Depth (inches):					
Water Table Present? Yes X	No Depth (inches):					
Saturation Present? Yes X	No Depth (inches):	Wetlan	d Hydrology Present? Yes X No			
(includes capillary fringe)						
(includes capillary inlige)						
Describe Recorded Data (stream gauge, mor	nitoring well, aerial photos, previous inspe	ections), if a	available:			
	nitoring well, aerial photos, previous inspe	ections), if a	available:			
Describe Recorded Data (stream gauge, mor	nitoring well, aerial photos, previous inspe	ections), if a	available:			
	nitoring well, aerial photos, previous inspe	ections), if a	available:			
Describe Recorded Data (stream gauge, mor	nitoring well, aerial photos, previous inspe	Lections), if a	available:			
Describe Recorded Data (stream gauge, mor	nitoring well, aerial photos, previous inspe	ections), if a	available:			
Describe Recorded Data (stream gauge, mor	nitoring well, aerial photos, previous inspe	Lections), if a	available:			
Describe Recorded Data (stream gauge, mor	nitoring well, aerial photos, previous inspe	Lections), if a	available:			
Describe Recorded Data (stream gauge, mor	nitoring well, aerial photos, previous inspe	Lections), if a	available:			
Describe Recorded Data (stream gauge, mor	nitoring well, aerial photos, previous inspe	Lections), if a	available:			
Describe Recorded Data (stream gauge, mor	nitoring well, aerial photos, previous inspe	lections), if a	available:			
Describe Recorded Data (stream gauge, mor	nitoring well, aerial photos, previous inspe	Lections), if a	available:			

Sampling Point: 1wet@wetB

<u>Tree Stratum</u> (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. <u> </u>				
2.				Number of Dominant Species That Are OBL, FACW, or FAC: <u>3</u> (A)
3				Total Number of Dominant
4				Species Across All Strata: <u>3</u> (B)
5 6.				Percent of Dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B)
7.				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size:15)				OBL species 30 x 1 = 30
1. Cornus amomum	10	Yes	FACW	FACW species 55 x 2 = 110
2.				FAC species 0 x 3 = 0
3.				FACU species 0 x 4 = 0
4				UPL species 0 x 5 = 0
5				Column Totals: 85 (A) 140 (B)
6.				Prevalence Index = B/A = 1.65
7.				Hydrophytic Vegetation Indicators:
	10	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 15)				X 2 - Dominance Test is >50%
1. Phalaris arundinacea	40	Yes	FACW	X 3 - Prevalence Index is ≤3.0 ¹
2. Typha latifolia	20	Yes	OBL	4 - Morphological Adaptations ¹ (Provide supporting
3. Eutrochium maculatum	10	No	OBL	data in Remarks or on a separate sheet)
4. Eupatorium perfoliatum	5	No	FACW	Problematic Hydrophytic Vegetation ¹ (Explain)
5.				¹ Indicators of hydric soil and wetland hydrology must
6.				be present, unless disturbed or problematic.
7.				Definitions of Vegetation Strata:
8				Tree – Woody plants 3 in. (7.6 cm) or more in
9				diameter at breast height (DBH), regardless of height.
10				Sapling/shrub – Woody plants less than 3 in. DBH
11				and greater than or equal to 3.28 ft (1 m) tall.
12	75	=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size:30)				Woody vines – All woody vines greater than 3.28 ft in
1				height.
2				Underse hadis
3				Hydrophytic Vegetation
4				Present? Yes X No
		=Total Cover		
Remarks: (Include photo numbers here or on a sepa	arate sheet.)			

SOIL

Profile Desc	cription: (Describe	to the de	pth needed to doci	ument tl	he indica	ator or c	onfirm the absence of ind	icators.)		
Depth	Matrix		Redo	x Featur	es					
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks		
0-8	10YR 3/2	95	7.5YR 5/6	5	С	М	Loamy/Clayey	Silty Clay Loam		
8-16	10YR 2/1	85	7.5YR 5/6	15	С	Μ	Loamy/Clayey	Silty Clay Loam		
							·			
¹ Type: C=C	oncentration, D=Dep	letion, RM	M=Reduced Matrix, N	/IS=Mas	ked Sand	d Grains.	² Location: PL=P	ore Lining, M=Matrix.		
Hydric Soil			-					oblematic Hydric Soils ³ :		
Histosol	(A1)		Polyvalue Belo	w Surfa	ce (S8) (l	LRR R,	2 cm Muck (#	A10) (LRR K, L, MLRA 149B)		
Histic Ep	pipedon (A2)		MLRA 149B	<i>,</i>				Redox (A16) (LRR K, L, R)		
Black Hi	stic (A3)		Thin Dark Surf	ace (S9)) (LRR R	, MLRA ′	149B) 5 cm Mucky	Peat or Peat (S3) (LRR K, L, R)		
Hydroge	n Sulfide (A4)		High Chroma S	Sands (S	611) (LR	R K, L)	Polyvalue Below Surface (S8) (LRR K, L)			
Stratified	d Layers (A5)		Loamy Mucky	Mineral	(F1) (LR I	R K, L)	Thin Dark Su	rface (S9) (LRR K, L)		
	d Below Dark Surface	e (A11)	Loamy Gleyed	Matrix (F2)		Iron-Mangan	ese Masses (F12) (LRR K, L, R)		
Thick Da	ark Surface (A12)		Depleted Matri	x (F3)			Piedmont Flo	odplain Soils (F19) (MLRA 149B)		
Sandy M	lucky Mineral (S1)		X Redox Dark Su	urface (F	6)		Mesic Spodic	c (TA6) (MLRA 144A, 145, 149B)		
Sandy G	Gleyed Matrix (S4)		Depleted Dark	Surface	(F7)		Red Parent N	/laterial (F21)		
Sandy R	ledox (S5)		Redox Depres	sions (Fa	B)		Very Shallow	Dark Surface (F22)		
Stripped	Matrix (S6)		Marl (F10) (LR	R K, L)			Other (Explai	n in Remarks)		
Dark Su	rface (S7)									
2										
			vetland hydrology mu	ust be pr	esent, ur	nless dist	urbed or problematic.			
	Layer (if observed):									
Туре:	N/#	4								
Depth (ii	nches):						Hydric Soil Present?	Yes <u>X</u> No		
Remarks:										
	m is revised from No 2015 Errata. (http://v							ield Indicators of Hydric Soils,		
	2015 Ellata. (III.p.//v	www.mcs	.usua.gov/internet/i			3/11/514	2p2_031293.000x)			

Project/Site: Mohawk Solar	City/County: Montgomery County Sampling Date: 10/18/17
Applicant/Owner: Mohawk Solar LLC	State: NY Sampling Point: 1Up@WetB
Investigator(s): John Wojcikiewicz, Shelby Zemken	Section, Township, Range: Town of Canajoharie and Minden
Landform (hillside, terrace, etc.): Hillslope	Local relief (concave, convex, none): Concave Slope %: 2
Subregion (LRR or MLRA): LRR L Lat: 42.8884	4 Long: -74.6038 Datum: WGS84
Soil Map Unit Name: Llion silt loam, 3 to 8 percent slopes	NWI classification: N/A
Are climatic / hydrologic conditions on the site typical for this time	e of year? Yes X No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrologysignification	antly disturbed? Are "Normal Circumstances" present? Yes X No
Are Vegetation, Soil, or Hydrologynaturall	ly problematic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map show	ving sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes	No X	Is the Sampled Area within a Wetland? Yes No X If yes, optional Wetland Site ID:
Hydric Soil Present?	Yes	No X	
Wetland Hydrology Present?	Yes	No X	
Remarks: (Explain alternative procedur	es here or in a	separate report.)	

Wetland Hydrology Indicators:		Secondary Indicators (minimum of two required)			
Primary Indicators (minimum of one is requi	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)	Oxidized Rhizospheres on Living Ro	oots (C3)	Saturation Visible on Aerial Imagery (C9)		
Drift Deposits (B3)	Presence of Reduced Iron (C4)		Stunted or Stressed Plants (D1)		
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soils	s (C6)	Geomorphic Position (D2)		
Iron Deposits (B5)	Thin Muck Surface (C7)	•	Shallow Aquitard (D3)		
Inundation Visible on Aerial Imagery (B	7) Other (Explain in Remarks)	•	Microtopographic Relief (D4)		
Sparsely Vegetated Concave Surface (38)		FAC-Neutral Test (D5)		
Field Observations:					
Surface Water Present? Yes	No X Depth (inches):				
Water Table Present? Yes	No X Depth (inches):				
Saturation Present? Yes	No X Depth (inches):	Wetland	Hydrology Present? Yes No X		
(includes capillary fringe)					
Describe Recorded Data (stream gauge, mo	onitoring well, aerial photos, previous inspe	ctions), if a	vailable:		
Describe Recorded Data (stream gauge, mo	onitoring well, aerial photos, previous inspe	ctions), if a	vailable:		
	onitoring well, aerial photos, previous inspe	ctions), if a	vailable:		
Describe Recorded Data (stream gauge, mo Remarks:	onitoring well, aerial photos, previous inspe	ctions), if a	vailable:		
	onitoring well, aerial photos, previous inspe	ctions), if a	vailable:		
	onitoring well, aerial photos, previous inspe	ctions), if a	vailable:		
	onitoring well, aerial photos, previous inspe	ctions), if a	vailable:		
	onitoring well, aerial photos, previous inspe	ctions), if a	vailable:		
	onitoring well, aerial photos, previous inspe	ctions), if a	vailable:		
	onitoring well, aerial photos, previous inspe	ctions), if a	vailable:		
	onitoring well, aerial photos, previous inspe	ctions), if a	vailable:		
	onitoring well, aerial photos, previous inspe	ctions), if a	vailable:		

Sampling Point: 1Up@WetB

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. Ulmus americana	10	Yes	FACW	Number of Dominant Species
2.				That Are OBL, FACW, or FAC: <u>3</u> (A)
3				Total Number of Dominant
4.				Species Across All Strata: 6 (B)
5				Percent of Dominant Species
6				That Are OBL, FACW, or FAC: 50.0% (A/B
7				Prevalence Index worksheet:
	10	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15)			OBL species 0 x 1 = 0
1. Cornus racemosa	20	Yes	FAC	FACW species 10 x 2 = 20
2. Lonicera morrowii	15	Yes	FACU	FAC species 50 x 3 = 150
3. Rosa multiflora	10	Yes	FACU	FACU species x 4 =160
4				UPL species 0 x 5 = 0
5.				Column Totals: 100 (A) 330 (B
6.				Prevalence Index = B/A = 3.30
7.				Hydrophytic Vegetation Indicators:
	45	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5)		-		2 - Dominance Test is >50%
1. Solidago sp.	25	Yes	FAC	3 - Prevalence Index is ≤3.0 ¹
2. Rubus sp.		Yes	FACU	4 - Morphological Adaptations ¹ (Provide supportin
3. Equisetum arvense	5	No	FAC	data in Remarks or on a separate sheet)
4. Alliaria petiolata	5	No	FACU	Problematic Hydrophytic Vegetation ¹ (Explain)
6		- <u> </u>		¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8.				
9.				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height
10				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
12	45	=Total Cover		Herb – All herbaceous (non-woody) plants, regardles of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30)	-		
1. Vitis sp.	/			Woody vines – All woody vines greater than 3.28 ft i height.
	_			
2.				Hydrophytic
3				Vegetation Present? Yes No _ X
3				
3		=Total Cover		

Depth	Matrix		-	x Featur			onfirm the absence of	
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-16	10YR 4/3	100						Silt Loam
0-10	101K 4/3	100					Loamy/Clayey	Siit Loan
¹ Type: C=Co	oncentration, D=Dep	letion, RN	I=Reduced Matrix, N	/IS=Mas	ked Sand	l Grains.	² Location: PL	.=Pore Lining, M=Matrix.
Hydric Soil	Indicators:						Indicators for	r Problematic Hydric Soils ³ :
Histosol			Polyvalue Belo	w Surfa	ce (S8) (I	LRR R,	2 cm Muc	k (A10) (LRR K, L, MLRA 149B)
	oipedon (A2)		MLRA 149B	,				airie Redox (A16) (LRR K, L, R)
	stic (A3)		Thin Dark Surf					ky Peat or Peat (S3) (LRR K, L,
	n Sulfide (A4)		High Chroma S					Below Surface (S8) (LRR K, L)
	d Layers (A5)		Loamy Mucky			R K, L)		Surface (S9) (LRR K, L)
	d Below Dark Surface	e (A11)	Loamy Gleyed		(F2)			ganese Masses (F12) (LRR K, L,
	ark Surface (A12)		Depleted Matri		-0)			Floodplain Soils (F19) (MLRA 14
	Nucky Mineral (S1)		Redox Dark Su	•	,			odic (TA6) (MLRA 144A, 145, 14 9
	Bleyed Matrix (S4) Redox (S5)		Depleted Dark					nt Material (F21) llow Dark Surface (F22)
	Matrix (S6)		Redox Depress Marl (F10) (LR		0)			plain in Remarks)
	rface (S7)			.n n, ∟)				plain in Kenlarks)
³ Indicators o	f hydrophytic vegetat	ion and w	etland hydrology m	ist he ni	resent ur	nless dist	urbed or problematic.	
	Layer (if observed):							
Type:	N/#							
Depth (ir	nches).						Hydric Soil Present	t? Yes No X
	ioneo).							
Remarks:	m is revised from No	rthoontro	l and Northaast Rog	ional Su	nnlomon	Vorsion	2.0 to include the NPC	S Field Indicators of Hydric Soils,
	2015 Errata. (http://v							
			U U	_			,	

Project/Site: Mohawk Solar			City/County: Montgo	mery County		Sampling Date:	6/12/2018
Applicant/Owner: Mohawk Solar	LLC			State:	NY	Sampling Poin	t: <u>1Wet@WetBB</u>
Investigator(s): John Wojicikiewicz, S	Shelby Zemken		Section, Tov	wnship, Range: ⁻	Town of (Canajoharie and	Minden
Landform (hillside, terrace, etc.): Hi	illslope/field edge	Local re	elief (concave, conve	x, none): <u>Conca</u>	ve	Slop	e %: <u>1-2</u>
Subregion (LRR or MLRA): LRR L	Lat:	42.894032	Long:	-74.617803		Datum:	WGS84
Soil Map Unit Name: Madalin silty cla	ay loam			NWI classi	fication:	PEM	
Are climatic / hydrologic conditions on	the site typical for t	this time of year?	Yes X	No	(If no, e	xplain in Remark	(s.)
Are Vegetation, Soil, o	or Hydrology	significantly disturb	ed? Are "Norm	nal Circumstance	es" prese	ent? Yes X	No
Are Vegetation, Soil, o	or Hydrology	naturally problemat	c? (If needed	l, explain any an	swers in	Remarks.)	
SUMMARY OF FINDINGS – A	Attach site map	showing samp	ling point locat	ions, transe	cts, im	portant featu	ires, etc.
Hydrophytic Vegetation Present?	Yes X	No	Is the Sampled A	rea			
Hydric Soil Present?	Yes X	No	within a Wetland?	? Yes	X	No	
Wetland Hydrology Present?	Yes X	No	lf yes, optional We	tland Site ID:			
Remarks: (Explain alternative proced	dures here or in a se	eparate report.)					

Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)				
Primary Indicators (minimum of one is requir	Surface Soil Cracks (B6)				
Surface Water (A1)	Drainage Patterns (B10)				
High Water Table (A2)	X Aquatic Fauna (B13)	Moss Trim Lines (B16)			
X Saturation (A3)	Marl Deposits (B15)		Dry-Season Water Table (C2)		
X Water Marks (B1)	Hydrogen Sulfide Odor (C1)		Crayfish Burrows (C8)		
Sediment Deposits (B2)	Oxidized Rhizospheres on Living Ro	ots (C3)	Saturation Visible on Aerial Imagery (C9)		
Drift Deposits (B3)	Presence of Reduced Iron (C4)		Stunted or Stressed Plants (D1)		
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soils	s (C6)	Geomorphic Position (D2)		
Iron Deposits (B5)	Thin Muck Surface (C7)		Shallow Aquitard (D3)		
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks)		Microtopographic Relief (D4)		
X Sparsely Vegetated Concave Surface (B	8)		X FAC-Neutral Test (D5)		
Field Observations:					
Surface Water Present? Yes	No X Depth (inches):				
Water Table Present? Yes	No X Depth (inches):				
Saturation Present? Yes X	No Depth (inches): 0	Wetlan	d Hydrology Present? Yes X No		
Saturation Present? Yes X (includes capillary fringe)	No Depth (inches): 0	Wetland	d Hydrology Present? Yes X No		
(includes capillary fringe)					
(includes capillary fringe)					
(includes capillary fringe)					
(includes capillary fringe) Describe Recorded Data (stream gauge, mo					
(includes capillary fringe) Describe Recorded Data (stream gauge, mo					
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(includes capillary fringe) Describe Recorded Data (stream gauge, mo					

Sampling Point: 1Wet@WetBB

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. 2.				Number of Dominant Species That Are OBL, FACW, or FAC:4 (A)
3. 4.				Total Number of Dominant Species Across All Strata: <u>5</u> (B)
5 6				Percent of Dominant Species That Are OBL, FACW, or FAC: <u>80.0%</u> (A/B)
7				Prevalence Index worksheet:
		=Total Cover		Total % Cover of:Multiply by:
Sapling/Shrub Stratum (Plot size: 15)				OBL species X 1 = 15
1. Lonicera morrowii	20	Yes	FACU	FACW species <u>45</u> x 2 = <u>90</u>
2. Cornus amomum	15	Yes	FACW	FAC species X 3 = 30
3. Rhamnus cathartica	10	No	FAC	FACU species x 4 = 80
4. <u>Salix sp.</u>	10	No		UPL species x 5 =
5				Column Totals: 90 (A) 215 (B)
6				Prevalence Index = B/A =2.39
7				Hydrophytic Vegetation Indicators:
	55	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5)				X 2 - Dominance Test is >50%
1. Impatiens capensis	20	Yes	FACW	X_3 - Prevalence Index is $\leq 3.0^1$
2. Juncus effusus	10	Yes	OBL	4 - Morphological Adaptations ¹ (Provide supporting
3. Juncus dudleyi	10	Yes	FACW	data in Remarks or on a separate sheet)
4. Carex stipata	5	No	OBL	Problematic Hydrophytic Vegetation ¹ (Explain)
5 6.				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
7 8.				Demitions of Vegetation Strata.
9				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
10 11				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
12	45	=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size:30)				Woody vines – All woody vines greater than 3.28 ft in
1				height.
2.				
3.				Hydrophytic Vegetation
4.				Present? Yes X No
		=Total Cover		
Remarks: (Include photo numbers here or on a sepa Moss was also present	arate sheet.)			

SOIL

Depth	cription: (Describe Matrix	to the de		u ment t l x Featur		ator or co	onfirm the absence of i	indicators.)
(inches)	Color (moist)	%	Color (moist)	x reatur %	Type ¹	Loc ²	Texture	Remarks
0-16	10YR 2/1	80	7.5YR 5/6	5	C	 M	Loamy/Clayey	Clay Loam
	10YR 4/1	10	7.5YR 5/6	5	c	M		Clay Loam
								0.47 204
	·							
	·							
	·							
	·							
¹ Type: C=C	Concentration, D=Dep	letion, RM	I=Reduced Matrix, N	/IS=Mas	ked Sand	d Grains.		=Pore Lining, M=Matrix.
Histoso Histic E Black H Hydroge Stratifie Deplete Thick D Sandy N Sandy R Sandy C Sandy F Stripped Dark Su	pipedon (A2) listic (A3) en Sulfide (A4) d Layers (A5) d Below Dark Surface ark Surface (A12) Mucky Mineral (S1) Gleyed Matrix (S4) Redox (S5) d Matrix (S6) urface (S7)	tion and w	Polyvalue Belo MLRA 149B Thin Dark Surf High Chroma S Loamy Mucky Loamy Gleyed Depleted Matri X Redox Dark Su Depleted Dark Redox Depres Marl (F10) (LR) Sands (S Mineral Matrix (x (F3) urface (F Surface sions (F R K, L)) (LRR R 611) (LRI (F1) (LRI F2) 6) (F7) 8)	, MLRA 1 R K, L) R K, L)	2 cm Mucl Coast Pra 5 cm Mucl Polyvalue Thin Dark Iron-Mang Piedmont Mesic Spo Red Parer Very Shall Other (Exp	Problematic Hydric Soils ³ : k (A10) (LRR K, L, MLRA 149B) irie Redox (A16) (LRR K, L, R) ky Peat or Peat (S3) (LRR K, L, R) Below Surface (S8) (LRR K, L) Surface (S9) (LRR K, L) annese Masses (F12) (LRR K, L, R) Floodplain Soils (F19) (MLRA 149B) odic (TA6) (MLRA 144A, 145, 149B) nt Material (F21) low Dark Surface (F22) olain in Remarks)
Restrictive Type:	Layer (if observed):							
Depth (i	inches):						Hydric Soil Present	? Yes X No
	rm is revised from No , 2015 Errata. (http://v		0					S Field Indicators of Hydric Soils,

Project/Site: Mohawk S	olar		C	City/County: Canajoharie	& Minden, Montgomery	County Sa	ampling Date:	6/12/2018
Applicant/Owner: Mo	ohawk Solar LLC				State:	NY S	Sampling Poin	1Up@WetBB
Investigator(s): John Wo	ojicikiewicz, Shelby Zemker	n		Section, Tow	vnship, Range: T	own of Ca	inajoharie and	Minden
Landform (hillside, terrace	e, etc.): <u>Flat</u>		Local reli	lief (concave, convex	k, none): None		Slop	be %: 0
Subregion (LRR or MLRA	4): <u>LRR L</u>	Lat:	42.894151	Long:	-74.617674		Datum:	WGS84
Soil Map Unit Name: Ma	adalin silty clay loam				NWI classifi	cation: <u>N</u>	/A	
Are climatic / hydrologic d	conditions on the site typica	al for t	this time of year?	Yes X	No	(If no, exp	lain in Remark	ks.)
Are Vegetation, S	Soil, or Hydrology _		significantly disturbed	d? Are "Norm	al Circumstance	s" present'	? Yes X	No
Are Vegetation, S	Soil, or Hydrology _		naturally problematic	c? (If needed	, explain any ans	wers in Re	emarks.)	
SUMMARY OF FINI	DINGS – Attach site	map	showing sampl	ling point locati	ons, transec	ts, impc	ortant featu	ures, etc.
Hydrophytic Vegetation	Present? Yes	х	No	Is the Sampled Are	ea			

riyulopriyuo vegetation riesent:	103 1		is the bampled Alea
Hydric Soil Present?	Yes	No X	within a Wetland? Yes No X
Wetland Hydrology Present?	Yes	No X	If yes, optional Wetland Site ID:
Remarks: (Explain alternative proced	ures here or in a s	eparate report.)	

Sampling Point: 1Up@WetBB

<u>Tree Stratum</u> (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1.				Number of Dominant Species
2.				That Are OBL, FACW, or FAC:(A)
3 4				Total Number of Dominant Species Across All Strata: <u>3</u> (B)
5. 6.				Percent of Dominant Species That Are OBL, FACW, or FAC: <u>66.7%</u> (A/B)
7				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 30)				OBL species x 1 =
1				FACW species 10 x 2 = 20
2				FAC species 15 x 3 = 45
3				FACU species 15 x 4 = 60
4				UPL species 0 x 5 = 0
5.				Column Totals: 40 (A) 125 (B)
6.				Prevalence Index = B/A = 3.13
7.				Hydrophytic Vegetation Indicators:
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
<u>Herb Stratum</u> (Plot size: 30)				X 2 - Dominance Test is >50%
1. Solidago sp.	15	Yes	FAC	 3 - Prevalence Index is ≤3.0 ¹
2. Trifolium repens	10	Yes	FACU	4 - Morphological Adaptations ¹ (Provide supporting
3. Phalaris arundinacea	10	Yes	FACW	data in Remarks or on a separate sheet)
4. Lotus corniculatus	5	No	FACU	Problematic Hydrophytic Vegetation ¹ (Explain)
		NU	FACU	
5.				¹ Indicators of hydric soil and wetland hydrology must
6.				be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8				Tree – Woody plants 3 in. (7.6 cm) or more in
9				diameter at breast height (DBH), regardless of height.
10 11.				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
12.				
·	40	=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30)				
1. <u> </u>				Woody vines – All woody vines greater than 3.28 ft in height.
2				
2				Hydrophytic
				Vegetation Present? Yes X No
4		Tatal Osum		Present?
		=Total Cover		
Remarks: (Include photo numbers here or on a sepa Grazed by cattle	rate sheet.)			

Profile Desc	ription: (Describe t	o the de	pth needed to docu	ument t	he indica	tor or co	onfirm the absence o	f indicators.)			
Depth	Matrix			x Featur	res						
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks			
0-16	10YR 4/2	100					Loamy/Clayey	Silty Loam			
							<u>, , , , , , , , , , , , , , , , , </u>	,			
——											
¹ Type: C=Co	ncentration, D=Depl	etion, RM	I=Reduced Matrix, M	1S=Mas	ked Sand	Grains.	² Location: P	L=Pore Lining, M=Matrix.			
Hydric Soil I		,	,					or Problematic Hydric Soils ³ :			
Histosol			Polyvalue Belo	w Surfa	ce (S8) (I	LRR R,		ick (A10) (LRR K, L, MLRA 149B)			
Histic Ep	ipedon (A2)		MLRA 149B		. , .			rairie Redox (A16) (LRR K, L, R)			
Black His	stic (A3)		Thin Dark Surfa	ace (S9) (LRR R,	MLRA 1	49B) 5 cm Mu	icky Peat or Peat (S3) (LRR K, L, R			
Hydroger	n Sulfide (A4)		High Chroma S	Sands (S	611) (LRF	R K, L)	Polyvalu	e Below Surface (S8) (LRR K, L)			
Stratified	Layers (A5)		Loamy Mucky	Mineral	(F1) (LR	R K, L)	Thin Dar	k Surface (S9) (LRR K, L)			
Depleted	Below Dark Surface	(A11)	Loamy Gleyed	Matrix ((F2)		Iron-Mar	nganese Masses (F12) (LRR K, L, F			
Thick Da	rk Surface (A12)		Depleted Matri	x (F3)			Piedmor	nt Floodplain Soils (F19) (MLRA 149			
Sandy M	ucky Mineral (S1)		Redox Dark Su	ırface (F	-6)		Mesic S	podic (TA6) (MLRA 144A, 145, 149			
Sandy G	leyed Matrix (S4)		Depleted Dark	Surface	e (F7)		Red Par	ent Material (F21)			
Sandy R	edox (S5)		Redox Depress	sions (F	8)		Very Sha	allow Dark Surface (F22)			
Stripped	Matrix (S6)		Marl (F10) (LR	R K, L)			Other (E	xplain in Remarks)			
Dark Sur	face (S7)										
³ Indicators of	hydrophytic vegetati	on and w	etland hydrology mι	ist be pi	resent, ur	nless dist	urbed or problematic.				
Restrictive L	ayer (if observed):										
Туре:	N/A	1									
Depth (in	ches):						Hydric Soil Prese	nt? Yes <u>No X</u>			
Remarks:											
	n is revised from No	rthcentral	and Northeast Reg	ional Su	pplement	t Version	2.0 to include the NR	CS Field Indicators of Hydric Soils,			
	2015 Errata. (http://w							, , , , , , , , , , , , , , , , , , ,			

Project/Site: Mohaw	k Solar				City/Cou	nty: Canajoł	harie/Montgon	nery	Sampling Date	: 04/22/201
Applicant/Owner:	Mohawk Sola	ar, LLC					State	e: NY	Sampling Po	int: <u>1W@BF</u>
Investigator(s): Benja	amin Feinberg	ļ				Section, Tov	wnship, Range	e: <u>Town o</u> f	f Marshville	
Landform (hillside, ter	race, etc.):	swale		L(ocal relief (con	cave, conve	x, none): <u>con</u> d	cave	Slo	ope %: <u>0-3</u>
Subregion (LRR or ML	_RA): <u>LRR F</u>	२, MLRA 144A	Lat:	42.87982597		Long:	-74.6212422	5	Datum:	NAD83
Soil Map Unit Name:	Darien silt lo	am, 3 to 8 perce	nt slo	pes			NWI clas	ssification	r: PSS	
Are climatic / hydrolog	jic conditions	on the site typica	al for '	this time of yea	ar?	Yes X	No	(If no,	explain in Rema	rks.)
Are Vegetation	, Soil	, or Hydrology		significantly d	isturbed?	Are "Norm	nal Circumstar	nces" pres	sent? Yes X	No
Are Vegetation	, Soil	, or Hydrology		naturally prob	lematic?	(If needed	l, explain any	answers in	n Remarks.)	
SUMMARY OF F	INDINGS -	Attach site	map	showing s	ampling po	oint locat	ions, trans	ects, in	nportant feat	ures, etc
Hydrophytic Vegetati	ion Present?	Yes	х	No	Is the	Sampled Ar	rea			
Hydric Soil Present?		Yes	Х	No	within	a Wetland?	? Y	′es <u>X</u>	No	
Wetland Hydrology F	'resent?	Yes	Х	No	If yes,	optional We	tland Site ID:	BF-A		
Remarks: (Explain a	Iternative proc	cedures here or i	in a s	eparate report	.)					

Wetland Hydrology Indicators:			Secondary Indicators (minimum of two required)		
Primary Indicators (minimum of one is require	Surface Soil Cracks (B6)				
Surface Water (A1)	Water-Stained Leaves (B9)		X Drainage Patterns (B10)		
X High Water Table (A2)	Aquatic Fauna (B13)		Moss Trim Lines (B16)		
X Saturation (A3)	Marl Deposits (B15)		Dry-Season Water Table (C2)		
Water Marks (B1)	Hydrogen Sulfide Odor (C1)		Crayfish Burrows (C8)		
Sediment Deposits (B2)	Oxidized Rhizospheres on Living Ro	oots (C3)	Saturation Visible on Aerial Imagery (C9)		
Drift Deposits (B3)	X Presence of Reduced Iron (C4)		Stunted or Stressed Plants (D1)		
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soil	s (C6)	Geomorphic Position (D2)		
Iron Deposits (B5)	Thin Muck Surface (C7)		X Shallow Aquitard (D3)		
Inundation Visible on Aerial Imagery (B7	Other (Explain in Remarks)		Microtopographic Relief (D4)		
Sparsely Vegetated Concave Surface (B	8)		X FAC-Neutral Test (D5)		
Field Observations:					
Surface Water Present? Yes	No X Depth (inches):				
Water Table Present? Yes X	No Depth (inches): 4				
Saturation Present? Yes X	No Depth (inches): 0	Wetland	d Hydrology Present? Yes X No		
Saturation Present? Yes X (includes capillary fringe)	No Depth (inches): 0	Wetland	d Hydrology Present? Yes X No		
(includes capillary fringe)					
(includes capillary fringe) Describe Recorded Data (stream gauge, mo					
(includes capillary fringe)					
(includes capillary fringe) Describe Recorded Data (stream gauge, mo					
(includes capillary fringe) Describe Recorded Data (stream gauge, mo					
(includes capillary fringe) Describe Recorded Data (stream gauge, mo					
(includes capillary fringe) Describe Recorded Data (stream gauge, mo					
(includes capillary fringe) Describe Recorded Data (stream gauge, mo					
(includes capillary fringe) Describe Recorded Data (stream gauge, mo					
(includes capillary fringe) Describe Recorded Data (stream gauge, mo					
(includes capillary fringe) Describe Recorded Data (stream gauge, mo					

Sampling Point: 1W@BF-A

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. Fraxinus pennsylvanica	20	Yes	FACW	Number of Dominant Species That Are OBL, FACW, or FAC: 6 (A)
3				Total Number of Dominant Species Across All Strata: 7 (B)
5 5				Percent of Dominant Species That Are OBL, FACW, or FAC: <u>85.7%</u> (A/E
7				Prevalence Index worksheet:
	20	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15)			OBL species 0 x 1 = 0
1. Fraxinus pennsylvanica	15	Yes	FACW	FACW species 70 x 2 = 140
2. Carpinus caroliniana	15	Yes	FAC	FAC species <u>15</u> x 3 = <u>45</u>
3. <u>Cornus amomum</u>	20	Yes	FACW	FACU species <u>10</u> x 4 = <u>40</u>
1. Fagus grandifolia	10	No	FACU	UPL species 10 x 5 = 50
5.				Column Totals: 105 (A) 275 (
 5.				Prevalence Index = $B/A = 2.62$
				Hydrophytic Vegetation Indicators:
	60	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5)				X 2 - Dominance Test is >50%
. Erythronium americanum	10	Yes	UPL	X 3 - Prevalence Index is ≤3.0 ¹
. Rubus hispidoides	5	Yes	FACW	4 - Morphological Adaptations ¹ (Provide support
3. Onoclea sensibilis		Yes	FACW	data in Remarks or on a separate sheet)
1.		103	TAOW	Problematic Hydrophytic Vegetation ¹ (Explain)
• 5.				
				¹ Indicators of hydric soil and wetland hydrology mus
<u>.</u>				be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
3 9				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of heigh
10 11				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
12	25	=Total Cover		Herb – All herbaceous (non-woody) plants, regardle of size, and woody plants less than 3.28 ft tall.
Noody Vine Stratum (Plot size: 30 1.	_)			Woody vines – All woody vines greater than 3.28 ft height.
2				Hudrophytic
3				Hydrophytic Vegetation
				Present? Yes <u>X</u> No
ŀ		=Total Cover		

Profile Desc	ription: (Describe	to the de	pth needed to doc	ument ti	he indica	ator or co	onfirm the absence of indi	cators.)
Depth	Matrix			x Featur				
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-6	10YR 2/1	100				Μ	Loamy/Clayey	
6-12	10YR 3/2	80	10YR 4/6	20	RM	Μ	Loamy/Clayey	
¹ Type: C=Co	oncentration, D=Depl	etion, RN	/Reduced Matrix, N	/IS=Mas	ked Sand	d Grains.	² Location: PL=Po	re Lining, M=Matrix.
Hydric Soil	Indicators:						Indicators for Pro	oblematic Hydric Soils ³ :
Histosol			Polyvalue Belo		ce (S8) (I	LRR R,		10) (LRR K, L, MLRA 149B)
	bipedon (A2)		MLRA 149B	,				Redox (A16) (LRR K, L, R)
Black Hi	stic (A3) n Sulfide (A4)		Thin Dark Surf High Chroma S		-			eat or Peat (S3) (LRR K, L, R) ow Surface (S8) (LRR K, L)
	l Layers (A5)		Loamy Mucky					face (S9) (LRR K, L)
	Below Dark Surface	e (A11)	Loamy Gleyed			(I (, L)		se Masses (F12) (LRR K, L, R)
· ·	ark Surface (A12)	()	X Depleted Matri		,			odplain Soils (F19) (MLRA 149B)
	lucky Mineral (S1)		Redox Dark Si		6)			(TA6) (MLRA 144A, 145, 149B)
	ileyed Matrix (S4)		Depleted Dark	Surface	(F7)		Red Parent Ma	
Sandy R	edox (S5)		Redox Depressions (F8)				Very Shallow I	Dark Surface (F22)
Stripped	Matrix (S6)		Marl (F10) (LR	R K, L)			Other (Explain	i in Remarks)
Dark Su	rface (S7)							
310 - 110 - 140 - 14	f h						unde entre an anna le la une ettic	
	Layer (if observed):	ion and w	vetiand hydrology m	ust be pr	esent, ur	ness dist	urbed or problematic.	
Type:	Roc	k						
Depth (ir	nches):	12					Hydric Soil Present?	Yes X No
Remarks:	, <u> </u>							
	m is revised from No	rthcentra	I and Northeast Reg	ional Su	pplement	t Version	2.0 to include the NRCS Fie	eld Indicators of Hydric Soils,
Version 7.0,	2015 Errata. (http://w	/ww.nrcs.	usda.gov/Internet/F	SE_DOO	CUMENT	S/nrcs14	2p2_051293.docx)	

Project/Site: Mohawk Solar		City/County: Canajoharie/Montgomery	Sampling Date: 04/22/2019					
Applicant/Owner: Mohawk Sola	r, LLC	State: NY	Sampling Point: 1U@BF-A					
Investigator(s): Benjamin Feinberg		Section, Township, Range: Town of	Marshville					
Landform (hillside, terrace, etc.):	Flat Local re	elief (concave, convex, none): <u>convex</u>	Slope %: 0-3					
Subregion (LRR or MLRA): LRR R	, MLRA 144A Lat: 42.87976265	Long: <u>-74.62143134</u>	Datum: NAD83					
Soil Map Unit Name: Darien silt loa	Soil Map Unit Name: Darien silt loam, 3 to 8 percent slopes NWI classification: N/A							
Are climatic / hydrologic conditions of	Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No (If no, explain in Remarks.)							
Are Vegetation, Soil,	or Hydrologysignificantly disturb	ed? Are "Normal Circumstances" pres	ent? Yes X No					
Are Vegetation, Soil,	or Hydrology naturally problemat	ic? (If needed, explain any answers in	Remarks.)					
SUMMARY OF FINDINGS -	Attach site map showing samp	bling point locations, transects, im	portant features, etc.					
Hydrophytic Vegetation Present?	Yes No	Is the Sampled Area						
Hydric Soil Present?	Yes 0 No	within a Wetland? Yes	No					
Wetland Hydrology Present?	Yes X No	If yes, optional Wetland Site ID:						
Remarks: (Explain alternative procedures here or in a separate report.)								

Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)	
Primary Indicators (minimum of one is requir	Surface Soil Cracks (B6)	
Surface Water (A1)	Drainage Patterns (B10)	
X High Water Table (A2)	Aquatic Fauna (B13)	Moss Trim Lines (B16)
X Saturation (A3)	Marl Deposits (B15)	Dry-Season Water Table (C2)
Water Marks (B1)	Hydrogen Sulfide Odor (C1)	Crayfish Burrows (C8)
Sediment Deposits (B2)	Oxidized Rhizospheres on Living Root	ts (C3) Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3)	Presence 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 Surface (C7)	X Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks)	Microtopographic Relief (D4)
Sparsely Vegetated Concave Surface (B	8)	FAC-Neutral Test (D5)
Field Observations:		
Surface Water Present? Yes	No X Depth (inches):	
Water Table Present? Yes X		
Saturation Present? Yes X	NoDepth (inches):10NoDepth (inches):0	Wetland Hydrology Present? Yes X No 0
		Wetland Hydrology Present? Yes X No 0
Saturation Present? Yes X	No Depth (inches): 0	· · · · · · · · · · · · · · · · · · ·
Saturation Present? Yes X (includes capillary fringe)	No Depth (inches): 0	· · · · · · · · · · · · · · · · · · ·
Saturation Present? Yes X (includes capillary fringe)	No Depth (inches): 0	· · · · · · · · · · · · · · · · · · ·
Saturation Present? Yes X (includes capillary fringe)	No Depth (inches): 0	· · · · · · · · · · · · · · · · · · ·
Saturation Present? Yes X (includes capillary fringe) Describe Recorded Data (stream gauge, mo	No Depth (inches): 0	· · · · · · · · · · · · · · · · · · ·
Saturation Present? Yes X (includes capillary fringe) Describe Recorded Data (stream gauge, mo	No Depth (inches): 0	· · · · · · · · · · · · · · · · · · ·
Saturation Present? Yes X (includes capillary fringe) Describe Recorded Data (stream gauge, mo	No Depth (inches): 0	· · · · · · · · · · · · · · · · · · ·
Saturation Present? Yes X (includes capillary fringe) Describe Recorded Data (stream gauge, mo	No Depth (inches): 0	· · · · · · · · · · · · · · · · · · ·
Saturation Present? Yes X (includes capillary fringe) Describe Recorded Data (stream gauge, mo	No Depth (inches): 0	· · · · · · · · · · · · · · · · · · ·
Saturation Present? Yes X (includes capillary fringe) Describe Recorded Data (stream gauge, mo	No Depth (inches): 0	· · · · · · · · · · · · · · · · · · ·
Saturation Present? Yes X (includes capillary fringe) Describe Recorded Data (stream gauge, mo	No Depth (inches): 0	· · · · · · · · · · · · · · · · · · ·
Saturation Present? Yes X (includes capillary fringe) Describe Recorded Data (stream gauge, mo	No Depth (inches): 0	· · · · · · · · · · · · · · · · · · ·

Sampling Point: 1U@BF-A

	Absolute	Dominant	Indicator	
Tree Stratum (Plot size: 30)	% Cover	Species?	Status	Dominance Test worksheet:
1. Fraxinus pennsylvanica	5	No	FACW	Number of Dominant Species
2. Carya ovata	20	Yes	FACU	That Are OBL, FACW, or FAC:(A)
 Fagus grandifolia 	15	Yes	FACU	Total Number of Dominant Species Across All Strata: 5 (B)
5				Percent of Dominant Species That Are OBL, FACW, or FAC: 0.0% (A/B)
7.				Prevalence Index worksheet:
	40	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15)				OBL species 0 $x 1 = 0$
1. Rosa multiflora	20	Yes	FACU	FACW species 5 x 2 = 10
2. Fagus grandifolia	15	Yes	FACU	FAC species $0 \times 3 = 0$
3.				FACU species 70 x 4 = 280
4.				UPL species 10 x 5 = 50
5.				Column Totals: 85 (A) 340 (B)
6.				Prevalence Index = $B/A = 4.00$
7.				Hydrophytic Vegetation Indicators:
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5)				2 - Dominance Test is >50%
1. Erythronium americanum	10	Yes	UPL	3 - Prevalence Index is ≤3.0 ¹
2.				4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
3.				
4				Problematic Hydrophytic Vegetation ¹ (Explain)
5 6				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7.				Definitions of Vegetation Strata:
8.				Tree – Woody plants 3 in. (7.6 cm) or more in
9.				diameter at breast height (DBH), regardless of height.
10				Sapling/shrub – Woody plants less than 3 in. DBH
11				and greater than or equal to 3.28 ft (1 m) tall.
12				Herb – All herbaceous (non-woody) plants, regardless
	10	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30)				Woody vines – All woody vines greater than 3.28 ft in
1				height.
2				Hydrophytic
3				Vegetation
4				Present? Yes <u>No X</u>
		=Total Cover		
Remarks: (Include photo numbers here or on a separate	rate sheet.)			

Profile Desc	ription: (Describe	to the de	pth needed to docu	ument t	he indica	ator or c	onfirm the absence of	indicators.)	
Depth	Matrix		Redo	x Featur	es				
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remar	ks
0-12	10YR 2/1	100					Mucky Loam/Clay		
0-12	10111 2/1	100							
·									
							·		
					<u> </u>				
¹ Type: C=Co	oncentration, D=Dep	letion, RN	I=Reduced Matrix, N	/IS=Mas	ked Sand	d Grains.		_=Pore Lining, M=Mat	
Hydric Soil I	ndicators:						Indicators fo	r Problematic Hydri	c Soils ³ :
Histosol	(A1)		Polyvalue Belo		ce (S8) (LRR R,	2 cm Muo	ck (A10) (LRR K, L, N	ILRA 149B)
Histic Ep	vipedon (A2)		MLRA 149B	·				airie Redox (A16) (LR	R K, L, R)
Black His	stic (A3)		Thin Dark Surf	ace (S9) (LRR R	, MLRA	149B) 5 cm Muo	cky Peat or Peat (S3)	(LRR K, L, R)
Hydroge	n Sulfide (A4)		High Chroma S	Sands (S	611) (LRF	R K, L)	Polyvalue	e Below Surface (S8)	(LRR K, L)
	l Layers (A5)		Loamy Mucky	Mineral	(F1) (LR	R K, L)	Thin Dark	k Surface (S9) (LRR I	K , L)
Depleted	Below Dark Surface	e (A11)	Loamy Gleyed	Matrix (F2)		Iron-Man	ganese Masses (F12)) (LRR K, L, R)
Thick Da	rk Surface (A12)		Depleted Matri	x (F3)			Piedmon	t Floodplain Soils (F1	9) (MLRA 149B)
Sandy M	ucky Mineral (S1)		Redox Dark Su	urface (F	6)		Mesic Sp	odic (TA6) (MLRA 14	4 A , 145, 149B)
	leyed Matrix (S4)		Depleted Dark		. ,			ent Material (F21)	
Sandy R	edox (S5)		Redox Depress	sions (F	8)		Very Sha	llow Dark Surface (F2	22)
Stripped	Matrix (S6)		Marl (F10) (LR	R K, L)			Other (E)	vplain in Remarks)	
Dark Sur	face (S7)								
³ Indicators of	hydrophytic vegetat	ion and w	/etland hydrology mu	ust be pi	resent, ur	nless dis	turbed or problematic.		
Restrictive L	ayer (if observed):								
Type:	Roc	:k							
Depth (in	nches):	12					Hydric Soil Presen	t? Yes	No X
Remarks:									
	m is revised from No	rthcentra	l and Northeast Reg	ional Su	pplemen	t Version	2.0 to include the NRC	S Field Indicators of	Hydric Soils,
	2015 Errata. (http://w								

Project/Site: Mohawk Solar		City	//County: Canajoharie/ Montgomery	Sampling Date: 04/22/2019			
Applicant/Owner: Mohaw	/k Solar, LLC		State: NY	Sampling Point: 1W@BF-B			
Investigator(s): Benjamin Fei	nberg		Section, Township, Range: <u>Town of Market Section</u>	Marshville			
Landform (hillside, terrace, etc	c.): swale	Local relief	f (concave, convex, none): concave	Slope %: 0-3			
Subregion (LRR or MLRA):	LRR R, MLRA 144A Lat:	42.87670345	Long:74.62337546	Datum: NAD 83			
Soil Map Unit Name: Darien	silt loam, 3 to 8 percent slo	opes	NWI classification:	PFO			
Are climatic / hydrologic condi	itions on the site typical for	this time of year?	Yes X No (If no, et	xplain in Remarks.)			
Are Vegetation, Soil	, or Hydrology	significantly disturbed?	Are "Normal Circumstances" prese	nt? Yes <u>X</u> No			
Are Vegetation, Soil	, or Hydrology	naturally problematic?	(If needed, explain any answers in	Remarks.)			
SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.							
Hydrophytic Vegetation Pres	ent? Yes_X	No Is	s the Sampled Area				
Hydric Soil Present?	Yes X	No w	vithin a Wetland? Yes X	No			
Wetland Hydrology Present?	Yes X	No If	yes, optional Wetland Site ID: BF-B				

Remarks: (Explain alternative procedures here or in a separate report.)

Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)			
Primary Indicators (minimum of one is require	Surface Soil Cracks (B6)			
X Surface Water (A1)	X Drainage Patterns (B10)			
X High Water Table (A2)	Aquatic Fauna (B13)		Moss Trim Lines (B16)	
X Saturation (A3)	Marl Deposits (B15)		Dry-Season Water Table (C2)	
Water Marks (B1)	Hydrogen Sulfide Odor (C1)		Crayfish Burrows (C8)	
Sediment Deposits (B2)	Oxidized Rhizospheres on Living Ro	oots (C3)	Saturation Visible on Aerial Imagery (C9)	
Drift Deposits (B3)	X Presence of Reduced Iron (C4)		Stunted or Stressed Plants (D1)	
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soil	s (C6)	Geomorphic Position (D2)	
Iron Deposits (B5)	Thin Muck Surface (C7)		X Shallow Aquitard (D3)	
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks)		Microtopographic Relief (D4)	
Sparsely Vegetated Concave Surface (B	8)		X FAC-Neutral Test (D5)	
Field Observations:				
Surface Water Present? Yes X	No Depth (inches): 5			
Water Table Present? Yes X				
Water Table Present? Yes X				
Saturation Present? Yes X	NoDepth (inches):0NoDepth (inches):0	Wetlan	nd Hydrology Present? Yes X No	
		Wetlan	nd Hydrology Present? Yes X No	
Saturation Present? Yes X	No Depth (inches): 0			
Saturation Present? Yes X (includes capillary fringe) Image: Capillary fringe	No Depth (inches): 0			
Saturation Present? Yes X (includes capillary fringe) Image: Capillary fringe	No Depth (inches): 0			
Saturation Present? Yes X (includes capillary fringe) Image: Capillary fringe	No Depth (inches): 0			
Saturation Present? Yes X (includes capillary fringe) Describe Recorded Data (stream gauge, mod	No Depth (inches): 0			
Saturation Present? Yes X (includes capillary fringe)	No Depth (inches): 0			
Saturation Present? Yes X (includes capillary fringe)	No Depth (inches): 0			
Saturation Present? Yes X (includes capillary fringe)	No Depth (inches): 0			
Saturation Present? Yes X (includes capillary fringe)	No Depth (inches): 0			
Saturation Present? Yes X (includes capillary fringe)	No Depth (inches): 0			
Saturation Present? Yes X (includes capillary fringe)	No Depth (inches): 0			
Saturation Present? Yes X (includes capillary fringe)	No Depth (inches): 0			

Sampling Point: 1W@BF-B

<u>Tree Stratum</u> (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. Fraxinus pennsylvanica	20	Yes	FACW	Number of Dominant Species
2. Tsuga canadensis	5	Yes	FACU	Number of Dominant Species That Are OBL, FACW, or FAC: 3 (A)
3.				Total Number of Dominant
4				Species Across All Strata: <u>4</u> (B)
5				Percent of Dominant Species
6				That Are OBL, FACW, or FAC:
7				Prevalence Index worksheet:
	25	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15)				OBL species X 1 = 35
1				FACW species <u>35</u> x 2 = <u>70</u>
2				FAC species 0 x 3 = 0
3.				FACU species <u>5</u> x 4 = <u>20</u>
4				UPL species x 5 =
5				Column Totals: 75 (A) 125 (B)
6				Prevalence Index = B/A = 1.67
7				Hydrophytic Vegetation Indicators:
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5)				X 2 - Dominance Test is >50%
1. Carex stricta	35	Yes	OBL	X_3 - Prevalence Index is ≤3.0 ¹
2. Onoclea sensibilis	15	Yes	FACW	4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
3				
4				Problematic Hydrophytic Vegetation ¹ (Explain)
5				¹ Indicators of hydric soil and wetland hydrology must
6				be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8				Tree – Woody plants 3 in. (7.6 cm) or more in
9				diameter at breast height (DBH), regardless of height.
10				Sapling/shrub – Woody plants less than 3 in. DBH
11				and greater than or equal to 3.28 ft (1 m) tall.
12	50	=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30)				Woody vines – All woody vines greater than 3.28 ft in
1				height.
2.				
3				Hydrophytic Vegetation
4				Present? Yes X No
		=Total Cover		
Remarks: (Include photo numbers here or on a sepa	arate sheet.)			·

Profile Desc	ription: (Describe t	to the de	pth needed to docu	ument t	he indica	ator or co	onfirm the absence	of indicators.)
Depth	Matrix		•	x Featur				-
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-4	10YR 3/1	100					Loamy/Clayey	
4-12	10YR 5/1	60	10YR 4/6	40	RM	М	Loamy/Clayey	
¹ Type: C=Co	ncentration, D=Depl	etion, RN	/I=Reduced Matrix, M	1S=Mas	ked Sand	d Grains.		PL=Pore Lining, M=Matrix.
Hydric Soil I	ndicators:						Indicators	for Problematic Hydric Soils ³ :
Histosol	(A1)		Polyvalue Belo	w Surfa	ce (S8) (I	LRR R,	2 cm M	Muck (A10) (LRR K, L, MLRA 149B)
Histic Ep	ipedon (A2)		MLRA 149B	,				Prairie Redox (A16) (LRR K, L, R)
Black His	stic (A3)		Thin Dark Surf	ace (S9) (LRR R	, MLRA 1	149B)5 cm M	Mucky Peat or Peat (S3) (LRR K, L, R)
Hydroger	n Sulfide (A4)		High Chroma S	Sands (S	611) (LRF	R K, L)	Polyva	alue Below Surface (S8) (LRR K, L)
Stratified	Layers (A5)		Loamy Mucky	Mineral	(F1) (LRI	R K, L)	Thin D	oark Surface (S9) (LRR K, L)
X Depleted	Below Dark Surface	e (A11)	Loamy Gleyed	Matrix (F2)		Iron-M	langanese Masses (F12) (LRR K, L, R)
Thick Da	rk Surface (A12)		X Depleted Matri	x (F3)			Piedm	ont Floodplain Soils (F19) (MLRA 149B)
	ucky Mineral (S1)		Redox Dark Su		-6)			Spodic (TA6) (MLRA 144A, 145, 149B)
	eyed Matrix (S4)		Depleted Dark	`	,			arent Material (F21)
	edox (S5)		Redox Depressions (F8)					Shallow Dark Surface (F22)
	Matrix (S6)		Marl (F10) (LRR K, L)				Other (Explain in Remarks)	
	face (S7)			IX IX, E)				
³ Indicators of	hydrophytic vegetati	ion and v	vetland hydrology mu	ıst be pı	resent, ur	nless dist	urbed or problemation	р.
Restrictive L	ayer (if observed):							
Type:	Roc	k						
Depth (in	ches):	12					Hydric Soil Pres	ent? Yes <u>X</u> No
Remarks:								
								RCS Field Indicators of Hydric Soils,
Version 7.0, 2	2015 Errata. (http://w	ww.nrcs	.usda.gov/Internet/FS	SE_DOO	CUMENT	S/nrcs14	2p2_051293.docx)	

Project/Site: Mohawk Solar	City/County: Canajoharie/ Montgomery Sampling Date: 04/22/2019					
Applicant/Owner: Mohawk Solar, LLC	State: NY Sampling Point: 1U@BF-B					
Investigator(s): Benjamin Feinberg	Section, Township, Range: Town of Marshville					
Landform (hillside, terrace, etc.): flat	ocal relief (concave, convex, none): <u>none</u> Slope %: <u>0-3</u>					
Subregion (LRR or MLRA): LRR R, MLRA 144A Lat: 42.87677926	Long: <u>-74.62343713</u> Datum: NAD 83					
Soil Map Unit Name: Darien silt loam, 3 to 8 percent slopes	NWI classification: N/A					
Are climatic / hydrologic conditions on the site typical for this time of year	ar? Yes X No (If no, explain in Remarks.)					
Are Vegetation, Soil, or Hydrologysignificantly d	isturbed? Are "Normal Circumstances" present? Yes X No					
Are Vegetation, Soil, or Hydrologynaturally prob	lematic? (If needed, explain any answers in Remarks.)					
SUMMARY OF FINDINGS – Attach site map showing s	sampling point locations, transects, important features, etc.					
Hydrophytic Vegetation Present? Yes No X	Is the Sampled Area					
Hydric Soil Present? Yes X No	within a Wetland? Yes No X					
Wetland Hydrology Present? Yes X No	If yes, optional Wetland Site ID:					
Remarks: (Explain alternative procedures here or in a separate report.)						

Wetland Hydrology Indicators:	<u>Secondary</u>	Indicators (minimum of two required)				
Primary Indicators (minimum of one is require	Surfac	Surface Soil Cracks (B6)				
Surface Water (A1)	Draina	Drainage Patterns (B10)				
X High Water Table (A2)	Aquatic Fauna (B13)	Moss	Trim Lines (B16)			
X Saturation (A3)	Marl Deposits (B15)	Dry-Se	eason Water Table (C2)			
Water Marks (B1)	Hydrogen Sulfide Odor (C1)	Crayfis	sh Burrows (C8)			
Sediment Deposits (B2)	Oxidized Rhizospheres on Living Ro	s (C3) Satura	tion Visible on Aerial Imagery (C9)			
Drift Deposits (B3)	Presence of Reduced Iron (C4)	Stunte	d or Stressed Plants (D1)			
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soils	C6) Geom	orphic Position (D2)			
Iron Deposits (B5)	Thin Muck Surface (C7)	X Shallo	w Aquitard (D3)			
Inundation Visible on Aerial Imagery (B7)) Other (Explain in Remarks)	Microt	opographic Relief (D4)			
Sparsely Vegetated Concave Surface (B	8)	FAC-N	leutral Test (D5)			
Field Observations:						
Surface Water Present? Yes	No Depth (inches): 5					
Water Table Present? Yes X	No Depth (inches): 10					
Saturation Present? Yes X	No Depth (inches): 0	Wetland Hydrolog	y Present? Yes X No			
(includes capillary fringe)						
Describe Recorded Data (stream gauge, mor	nitoring well, aerial photos, previous inspec	ons), if available:				
Remarks:						

Sampling Point: 1U@BF-B

<u>Tree Stratum</u> (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. Tsuga canadensis	10	Yes	FACU	
2. Fraxinus pennsylvanica	5	Yes	FACW	Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A)
	10	Yes	FAC	
 Betula alleghaniensis 4. 	10	Tes		Total Number of Dominant Species Across All Strata: 6 (B)
5 6				Percent of Dominant Species That Are OBL, FACW, or FAC: 33.3% (A/B)
7.				Prevalence Index worksheet:
	25	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15)				OBL species 0 $x 1 = 0$
1. Fagus grandifolia	5	Yes	FACU	FACW species 5 $x 2 = 10$
2. Rosa multiflora	5	Yes	FACU	FAC species 10 x 3 = 30
3.				FACU species 20 x 4 = 80
4.				UPL species 5 x 5 = 25
5.				Column Totals: 40 (A) 145 (B)
6.				Prevalence Index = B/A = 3.63
7.				Hydrophytic Vegetation Indicators:
	10	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5)				2 - Dominance Test is >50%
1. Erythronium americanum	5	Yes	UPL	3 - Prevalence Index is ≤3.0 ¹
2.				4 - Morphological Adaptations ¹ (Provide supporting
3.				data in Remarks or on a separate sheet)
4.				Problematic Hydrophytic Vegetation ¹ (Explain)
5.				
6				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7.				Definitions of Vegetation Strata:
8.				
9.				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
10.				
11				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
12.				
	5	=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30)				Weedwainee Allowedwainee meeter them 2.20 ft in
1.				Woody vines – All woody vines greater than 3.28 ft in height.
2.				
3.				Hydrophytic Vegetation
4.				Present? Yes No X
		=Total Cover		
Remarks: (Include photo numbers here or on a sepa	ate sheet.)			

Profile Desc	ription: (Describe	to the de	epth needed to doc	ument t	he indica	ator or c	onfirm the abse	ence of indicators.)	
Depth	Matrix		Redo	x Featur	res				
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks	
0-8	10YR 3/2	100					Loamy/Claye	еу	
8-18	10YR 6/2	80	10YR 7/6	20	RM	М	Loamy/Claye	ey	
							-		
		. <u> </u>							
		·						· ·	
		. <u> </u>							
		·							
		·							
¹ Type: C=Co	ncentration, D=Dep	letion, RI	M=Reduced Matrix, N	∕IS=Mas	ked Sand	d Grains.	² Locati	tion: PL=Pore Lining, M=Matrix.	
Hydric Soil I	ndicators:							ators for Problematic Hydric Soils ³ :	
Histosol	(A1)		Polyvalue Belo	ow Surfa	ice (S8) (LRR R,	2	cm Muck (A10) (LRR K, L, MLRA 149B)	
Histic Ep	ipedon (A2)		MLRA 149E	,				coast Prairie Redox (A16) (LRR K, L, R)	
Black His			Thin Dark Sur	-				cm Mucky Peat or Peat (S3) (LRR K, L, R	
	n Sulfide (A4)		High Chroma					olyvalue Below Surface (S8) (LRR K, L)	
	Layers (A5)		Loamy Mucky			R K, L)		hin Dark Surface (S9) (LRR K, L)	
	Below Dark Surface	e (A11)	Loamy Gleyed		(F2)			on-Manganese Masses (F12) (LRR K, L, R	
	rk Surface (A12)		X Depleted Matr		- 0)			iedmont Floodplain Soils (F19) (MLRA 149	
	ucky Mineral (S1)		Redox Dark S	•	'			Mesic Spodic (TA6) (MLRA 144A, 145, 149E	
	leyed Matrix (S4)		Depleted Dark		. ,			ted Parent Material (F21)	
	edox (S5) Motrix (S6)		Redox Depressions (F8) Marl (F10) (LRR K, L)				Very Shallow Dark Surface (F22)		
	Matrix (S6) face (S7)			K K, L)			0	other (Explain in Remarks)	
³ Indicators of	hydrophytic vegetat	tion and v	wetland hydrology m	ust be pi	resent, ur	nless dist	urbed or problen	matic.	
	ayer (if observed):								
Type:	N//	4							
Depth (in	ches):	0					Hydric Soil I	Present?	
Remarks:									
								he NRCS Field Indicators of Hydric Soils,	
Version 7.0, 2	2015 Errata. (http://v	www.nrcs	.usda.gov/Internet/F	SE_DOO	CUMENT	S/nrcs14	2p2_051293.doc	ocx)	

Project/Site: Mohaw	k Solar				City/Cou	nty: Montgome	ry County		Sampling Date:	10/18/17
Applicant/Owner:	Mohawk Sola	ar LLC					State:	NY	Sampling Poir	nt: <u>1wet@wetC</u>
Investigator(s): John	Wojcikiewicz,	Shelby Zemken				Section, Towns	hip, Range: ⁻	Town of	Canajoharie and	I Minden
Landform (hillside, ter	cal relief (con	cave, convex, r	none): <u>Base c</u>	of Slope	Slop	be %: 2				
Subregion (LRR or ML	_RA): <u>LRR L</u>		Lat:	42.8869		Long: -7	4.6032		Datum:	WGS84
Soil Map Unit Name: Darien silt loam, 3 to 8 percent slopes NWI classification: PEM							PEM			
Are climatic / hydrolog	jic conditions	on the site typica	I for t	this time of year	r?	Yes X	No	(lf no, e	explain in Remar	ks.)
Are Vegetation	, Soil	, or Hydrology		significantly dis	sturbed?	Are "Normal	Circumstance	es" prese	ent? Yes X	No
Are Vegetation	, Soil	, or Hydrology		naturally proble	ematic?	? (If needed, explain any answers in Remarks.)				
SUMMARY OF F	INDINGS -	Attach site r	map	showing sa	ampling po	oint location	ns, transe	cts, im	portant feat	ures, etc.
Hydrophytic Vegetati	on Present?	Yes	х	No	Is the	Sampled Area				
Hydric Soil Present?		Yes	Х	No	within	a Wetland?	Yes	Х	No	
Wetland Hydrology P	'resent?	Yes	Х	No	If yes,	optional Wetlar	nd Site ID:			
Remarks: (Explain a	Iternative proc	cedures here or in	n a se	eparate report.)						

Wetland Hydrology Indicators:			Secondary Indicators (minimum of two required)						
Primary Indicators (minimum of one is require	Surface Soil Cracks (B6)								
Surface Water (A1)	Drainage Patterns (B10)								
High Water Table (A2)	Aquatic Fauna (B13)		Moss Trim Lines (B16)						
X Saturation (A3)	Marl Deposits (B15)		Dry-Season Water Table (C2)						
Water Marks (B1)	Hydrogen Sulfide Odor (C1)	-	Crayfish Burrows (C8)						
Sediment Deposits (B2)	Oxidized Rhizospheres on Living Ro	ots (C3)	Saturation Visible on Aerial Imagery (C9)						
Drift Deposits (B3)	Presence 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 Surface (C7)		Shallow Aquitard (D3)						
Inundation Visible on Aerial Imagery (B7)) Other (Explain in Remarks)		Microtopographic Relief (D4)						
Sparsely Vegetated Concave Surface (B8	8)		FAC-Neutral Test (D5)						
Field Observations:									
Surface Water Present? Yes	No X Depth (inches):								
Water Table Present? Yes	No X Depth (inches):								
Saturation Present? Yes X	No Depth (inches): 0	Wetland	l Hydrology Present? Yes X No						
(includes capillary fringe)									
Describe Recorded Data (stream gauge, mor	nitoring well, aerial photos, previous inspec	ctions), if a	vailable:						
Remarks:									

Sampling Point: 1wet@wetC

<u>Tree Stratum</u> (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1.				
2.				Number of Dominant Species That Are OBL, FACW, or FAC:5(A)
3				Total Number of Dominant
4				Species Across All Strata: 5 (B)
5 6				Percent of Dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B)
7.				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15)				OBL species 40 x 1 = 40
1. Cornus amomum	10	Yes	FACW	FACW species 35 x 2 = 70
2				FAC species x 3 =
3				FACU species x 4 =
4				UPL species 0 x 5 = 0
5				Column Totals: 75 (A) 110 (B)
6				Prevalence Index = B/A = 1.47
7				Hydrophytic Vegetation Indicators:
	10	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 15)				X 2 - Dominance Test is >50%
1. Eutrochium maculatum	15	Yes	OBL	X_3 - Prevalence Index is $\leq 3.0^1$
2. Eupatorium perfoliatum	5	No	FACW	4 - Morphological Adaptations ¹ (Provide supporting
3. Phalaris arundinacea	15	Yes	FACW	data in Remarks or on a separate sheet)
4. Scirpus atrovirens	10	Yes	OBL	Problematic Hydrophytic Vegetation ¹ (Explain)
5. Onoclea sensibilis	5	No	FACW	¹ Indicators of hydric soil and wetland hydrology must
6. Carex vulpinoidea	10	Yes	OBL	be present, unless disturbed or problematic.
7. Lythrum salicaria	5	No	OBL	Definitions of Vegetation Strata:
8				Tree – Woody plants 3 in. (7.6 cm) or more in
9				diameter at breast height (DBH), regardless of height.
10				Sapling/shrub – Woody plants less than 3 in. DBH
11				and greater than or equal to 3.28 ft (1 m) tall.
12	65	=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30)				
1				Woody vines – All woody vines greater than 3.28 ft in height.
2				
3				Hydrophytic Vegetation
4				Present? Yes X No
		=Total Cover		
Remarks: (Include photo numbers here or on a sepa	arate sheet.)			

Profile Desc	ription: (Describe t	o the de	epth needed to docu	ument ti	he indica	ator or c	onfirm the absence	of indicators.	.)
Depth	Matrix		Redo	x Featur					
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture		Remarks
0-3	10YR 2/1	100					Loamy/Clayey		Silt Loam
3-8	10YR 2/1	95	7.5YR 5/6	5	С	М	Loamy/Clayey		Silt Loam
8-16	10YR 2/1	95	7.5YR 5/6	5	С	М	Loamy/Clayey	Silt Loam, Pro	ominent redox concentrations
¹ Type: C=Co	ncentration. D=Depl	etion. RI	M=Reduced Matrix, M	/S=Mas	ked Sand	d Grains.	² Location:	PL=Pore Linin	ng. M=Matrix.
Hydric Soil I		,	,						atic Hydric Soils ³ :
Histosol			Polyvalue Belo	w Surfa	ce (S8) (LRR R,			RR K, L, MLRA 149B)
	ipedon (A2)		MLRA 149B		. , .				(A16) (LRR K, L, R)
Black His			Thin Dark Surfa	,) (LRR R	, MLRA [·]			
	n Sulfide (A4)		High Chroma S					-	face (S8) (LRR K, L)
	Layers (A5)		Loamy Mucky	-					69) (LRR K, L)
	Below Dark Surface	(A11)	Loamy Gleyed			. ,		-	sses (F12) (LRR K, L, R)
	rk Surface (A12)	()	Depleted Matri		,			-	Soils (F19) (MLRA 149B)
	ucky Mineral (S1)		X Redox Dark Su		6)				(MLRA 144A, 145, 149B)
	eyed Matrix (S4)		Depleted Dark				Red Parent Material (F21)		
	edox (S5)		Redox Depress				Very Shallow Dark Surface (F22)		
	Matrix (S6)		Marl (F10) (LR		-			Explain in Rer	. ,
Dark Sur	. ,			IX IX, E/					nano)
	()								
³ Indicators of	hydrophytic vegetati	on and v	vetland hydrology mu	ust be pr	resent, ui	nless dist	turbed or problematic	-	
Restrictive L Type:	ayer (if observed): N/A								
Depth (in							Hydric Soil Pres	nt?	Yes X No
Remarks:									
This data forr								RCS Field Indi	cators of Hydric Soils,
Version 7.0, 2	2015 Errata. (http://w	ww.nrcs	.usda.gov/Internet/FS	SE_DOC	JUMENI	S/nrcs14	2p2_051293.docx)		

Project/Site: Mohawl	k Solar	City/Co	unty: Montgomery County	Sampling Date: 10/18/17
Applicant/Owner:	Mohawk Solar LLC		State: NY	Sampling Point: 1Up@WetC
Investigator(s): John	Wojcikiewicz		Section, Township, Range: Town of 0	Canajoharie and Minden
Landform (hillside, terr	race, etc.): Hillslope	ncave, convex, none): <u>Convex</u>	Slope %: 2	
Subregion (LRR or ML	RA): LRR L	Lat: 42.8872	Long: <u>-74.6035</u>	Datum: WGS84
Soil Map Unit Name:	Darien silt loam, 3 to 8 perc	ent slopes	NWI classification:	N/A
Are climatic / hydrolog	ic conditions on the site typic	cal for this time of year?	Yes X No (If no, e	xplain in Remarks.)
Are Vegetation	, Soil, or Hydrology	significantly disturbed?	Are "Normal Circumstances" prese	nt? Yes X No
Are Vegetation	, Soil, or Hydrology	naturally problematic?	(If needed, explain any answers in	Remarks.)
SUMMARY OF F	NDINGS – Attach site	map showing sampling p	point locations, transects, im	portant features, etc.

Hydrophytic Vegetation Present?	Yes	No X	Is the Sampled Area within a Wetland? Yes NoX If yes, optional Wetland Site ID:
Hydric Soil Present?	Yes	No X	
Wetland Hydrology Present?	Yes	No X	
Remarks: (Explain alternative procedu	ires here or in a	separate report.)	

Wetland Hydrology Indicators:		Secondary Indicators (minimum of two required)	
Primary Indicators (minimum of one is requi	Surface Soil Cracks (B6)		
Surface Water (A1)	Drainage Patterns (B10)		
High Water Table (A2)	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)	Oxidized Rhizospheres on Living Roots (C	C3) Saturation Visible on Aerial Imagery (C9)	
Drift Deposits (B3)	Presence 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 Surface (C7)	Shallow Aquitard (D3)	
Inundation Visible on Aerial Imagery (B	7) Other (Explain in Remarks)	Microtopographic Relief (D4)	
Sparsely Vegetated Concave Surface (B8)	FAC-Neutral Test (D5)	
Field Observations:			
Surface Water Present? Yes	No X Depth (inches):		
Water Table Present? Yes	No X Depth (inches):		
Saturation Present? Yes	tland Hydrology Present? Yes No X		
	No X Depth (inches): We		
(includes capillary fringe)			
(includes capillary fringe)	ponitoring well, aerial photos, previous inspections		
(includes capillary fringe)			
(includes capillary fringe) Describe Recorded Data (stream gauge, mo			
(includes capillary fringe)			
(includes capillary fringe) Describe Recorded Data (stream gauge, mo			
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(includes capillary fringe) Describe Recorded Data (stream gauge, mo			
(includes capillary fringe) Describe Recorded Data (stream gauge, mo			
(includes capillary fringe) Describe Recorded Data (stream gauge, mo			

Sampling Point: 1Up@WetC

<u>Tree Stratum</u> (Plot size: <u>30</u>)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. Pinus sylvestris	5	Yes	UPL	Number of Dominant Species
2.				That Are OBL, FACW, or FAC: 2 (A)
3				Total Number of Dominant
4				Species Across All Strata: 4 (B)
5				Percent of Dominant Species
6				That Are OBL, FACW, or FAC: 50.0% (A/B)
7				Prevalence Index worksheet:
	5	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15)				OBL species x 1 =
1. Cornus racemosa	5	Yes	FAC	FACW species 15 x 2 = 30
2				FAC species 15 x 3 = 45
3				FACU species 50 x 4 = 200
4				UPL species <u>5</u> x 5 = <u>25</u>
5				Column Totals: 85 (A) 300 (B)
6				Prevalence Index = B/A = 3.53
7				Hydrophytic Vegetation Indicators:
	5	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 15)				2 - Dominance Test is >50%
1. <u>Poa sp.</u>	40	Yes	FACU	3 - Prevalence Index is ≤3.0 ¹
2. Phalaris arundinacea	15	Yes	FACW	4 - Morphological Adaptations ¹ (Provide supporting
3. Galium sp.	10	No	FAC	data in Remarks or on a separate sheet)
4. Trifolium repens	5	No	FACU	Problematic Hydrophytic Vegetation ¹ (Explain)
5. Rubus sp.	5	No	FACU	¹ Indicators of hydric soil and wetland hydrology must
6				be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8				Tree – Woody plants 3 in. (7.6 cm) or more in
9				diameter at breast height (DBH), regardless of height.
10				Sapling/shrub – Woody plants less than 3 in. DBH
11				and greater than or equal to 3.28 ft (1 m) tall.
12				Herb – All herbaceous (non-woody) plants, regardless
	75	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30)				Woody vines – All woody vines greater than 3.28 ft in
1				height.
2				
3				Hydrophytic Vegetation
4				Present? Yes No X
		=Total Cover		
Remarks: (Include photo numbers here or on a sepa	rate sheet.)			·

Depth	Cription: (Describe Matrix	to the dej		x Featur		ator or co	onfirm the absence of in	dicators.)
(inches)	Color (moist)	%	Color (moist)	x reatur %	Type ¹	Loc ²	Texture	Remarks
0-4	10YR 3/2	100			190		Loamy/Clayey	Silt Loam
4-16	10YR 3/2	97	7.5YR 5/6	3	С	М	Loamy/Clayey	Silt Loam
	oncentration, D=Dep		=Reduced Matrix	 			21 ocation: PI =E	Pore Lining, M=Matrix.
				10-11/185	Keu Sano	i Grains.		Problematic Hydric Soils ³ :
Hydric Soil Indicators: Histosol (A1) Histic Epipedon (A2) Black Histic (A3) Hydrogen Sulfide (A4) Stratified Layers (A5) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) ³ Indicators of hydrophytic vegetation and w			Polyvalue Belo MLRA 149B Thin Dark Surf High Chroma S Loamy Mucky Loamy Gleyed Depleted Matri Redox Dark Su Depleted Dark Redox Depres Marl (F10) (LR) Face (S9 Sands (S Mineral Matrix (x (F3) urface (F Surface sions (F R K, L)) (LRR R 511) (LR (F1) (LR (F1) (LR (F2) 56) 56) 57) 58)	, MLRA 1 R K, L) R K, L)	Coast Prairie 5 cm Mucky Polyvalue B Thin Dark S Iron-Mangar Piedmont Fl Mesic Spod Red Parent Very Shallow Other (Expla	(A10) (LRR K, L, MLRA 149B) e Redox (A16) (LRR K, L, R) r Peat or Peat (S3) (LRR K, L, R) elow Surface (S8) (LRR K, L) urface (S9) (LRR K, L) nese Masses (F12) (LRR K, L, R) loodplain Soils (F19) (MLRA 149B) ic (TA6) (MLRA 144A, 145, 149B) Material (F21) w Dark Surface (F22) ain in Remarks)
Restrictive	Layer (if observed):							
Type:	N//	4						
Depth (i	nches):						Hydric Soil Present?	Yes <u>No X</u>
	rm is revised from No 2015 Errata. (http://v							Field Indicators of Hydric Soils,

Project/Site: Mohawk Solar		City/C	County: Marshville, Montgomery	Sampling Date: 9/5/2018					
Applicant/Owner: Avantgrid			State: NY	Sampling Point: 1wet@wetDD					
Investigator(s): SZ, SB			Section, Township, Range: Town o	of Canajoharie					
Landform (hillside, terrace, etc.):	Hillside seep	Local relief (concave, convex, none): Concave	Slope %: 0-3					
Subregion (LRR or MLRA): LRR	R, MLRA 144A Lat:	.: 42.885271	Long: <u>-74.609790</u>	Datum: NAD 83					
Soil Map Unit Name: Darien silt lo	oam		NWI classification	I: PEM					
Are climatic / hydrologic conditions	Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No (If no, explain in Remarks.)								
Are Vegetation, Soil	, or Hydrology	significantly disturbed?	Are "Normal Circumstances" pres	sent? Yes X No					
Are Vegetation, Soil	, or Hydrology	naturally problematic?	(If needed, explain any answers i	in Remarks.)					
SUMMARY OF FINDINGS -	- Attach site ma	p showing sampling	point locations, transects, ir	nportant features, etc.					
Hydrophytic Vegetation Present?	Yes X	No Ist	he Sampled Area						
Hydric Soil Present?	Yes X	No wit	hin a Wetland? Yes X	No					
Wetland Hydrology Present?	Yes X	No If ye	es, optional Wetland Site ID:						
Remarks: (Explain alternative pro	Remarks: (Explain alternative procedures here or in a separate report.)								

Wetland Hydrology Indicators:		Secondary Indicators (minimum of tw	<i>v</i> o required)	
Primary Indicators (minimum of one is require	Surface Soil Cracks (B6)	Surface Soil Cracks (B6)		
Surface Water (A1)	X Drainage Patterns (B10)	X Drainage Patterns (B10)		
High Water Table (A2)	X 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)	Oxidized Rhizospheres on Living Ro	ots (C3) Saturation Visible on Aerial Imag	jery (C9)	
Drift Deposits (B3)	Presence 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 Surface (C7)	Shallow Aquitard (D3)		
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks)	Microtopographic Relief (D4)		
Sparsely Vegetated Concave Surface (B	8)	X FAC-Neutral Test (D5)		
Field Observations:				
Surface Water Present? Yes	No X Depth (inches):			
Water Table Present? Yes	No X Depth (inches):			
Saturation Present? Yes	No X Depth (inches):	Wetland Hydrology Present? Yes	X No	
(includes capillary fringe)		—		
Describe Recorded Data (stream gauge, mor	nitoring well, aerial photos, previous inspe	tions), if available:		
Remarks:				

Sampling Point: 1wet@wetDD

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
/	% Cover	Species?	Status	Dominance rest worksheet.
1				Number of Dominant Species
2				That Are OBL, FACW, or FAC: (A)
3				Total Number of Dominant
4				Species Across All Strata:4 (B)
5				Percent of Dominant Species
6				That Are OBL, FACW, or FAC: 100.0% (A/B)
7				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15)				OBL species 40 x 1 =40
1.				FACW species 40 x 2 = 80
2.				FAC species 0 x 3 = 0
3.				FACU species 0 x 4 = 0
				UPL species $0 \times 5 = 0$
				Column Totals: 80 (A) 120 (B)
6.				Prevalence Index = B/A = <u>1.50</u>
7				Hydrophytic Vegetation Indicators:
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5)				X 2 - Dominance Test is >50%
1. Phalaris arundinacea	20	Yes	FACW	X_3 - Prevalence Index is ≤3.0 ¹
2. Carex stipata	20	Yes	OBL	4 - Morphological Adaptations ¹ (Provide supporting
3. Scirpus atrovirens	20	Yes	OBL	data in Remarks or on a separate sheet)
4. Eupatorium perfoliatum	20	Yes	FACW	Problematic Hydrophytic Vegetation ¹ (Explain)
5				¹ Indicators of hydric soil and wetland hydrology must
6.				be present, unless disturbed or problematic.
7.				Definitions of Vegetation Strata:
8.				
9.				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
10.				
				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
				and greater than of equal to 3.26 it (1 iii) tail.
12				Herb – All herbaceous (non-woody) plants, regardless
	80	=Total Cover		of size, and woody plants less than 3.28 ft tall.
<u>Woody Vine Stratum</u> (Plot size: <u>30</u>)				Woody vines – All woody vines greater than 3.28 ft in
1				height.
2				Hydrophytic
3				Vegetation
4				Present? Yes X No
		=Total Cover		
Remarks: (Include photo numbers here or on a sepa	rate sheet.)			

Profile Desc	ription: (Describe	to the de	epth needed to docu	ument ti	he indica	tor or c	onfirm the absence of ind	licators.)
Depth	Matrix		Redo	x Featur	es			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-2	10YR 2/1	100					Loamy/Clayey	
2-16	10YR 3/2	85	7.5YR 4/6	15	С	М	Loamy/Clayey	
		letion, RI	M=Reduced Matrix, M	/IS=Mas	ked Sand	l Grains.		ore Lining, M=Matrix.
Hydric Soil				o (roblematic Hydric Soils ³ :
Histosol			Polyvalue Belo		ce (S8) (I	LRR R,		A10) (LRR K, L, MLRA 149B)
	pipedon (A2)		MLRA 149B	, ,				e Redox (A16) (LRR K, L, R)
Black Hi			Thin Dark Surf		-			Peat or Peat (S3) (LRR K, L, R)
	n Sulfide (A4)		High Chroma S					elow Surface (S8) (LRR K, L)
	l Layers (A5)		Loamy Mucky	Mineral	(F1) (LRI	R K, L)	Thin Dark Su	urface (S9) (LRR K, L)
	Below Dark Surface	e (A11)	Loamy Gleyed	Matrix (F2)		Iron-Mangan	ese Masses (F12) (LRR K, L, R)
Thick Da	ark Surface (A12)		Depleted Matri	x (F3)			Piedmont Flo	oodplain Soils (F19) (MLRA 149B)
Sandy M	lucky Mineral (S1)		X Redox Dark Su	urface (F	6)		Mesic Spodie	c (TA6) (MLRA 144A, 145, 149B)
Sandy G	leyed Matrix (S4)		Depleted Dark	Surface	(F7)		Red Parent M	Material (F21)
Sandy R	edox (S5)		Redox Depress	sions (F	8)		Very Shallow	/ Dark Surface (F22)
	Matrix (S6)		 Marl (F10) (LR	`	,			in in Remarks)
	rface (S7)		(11211)(1110)(1110)	, _/			0(_/p/a	
³ Indicators o	f hydrophytic ycgotol	tion and y	watland bydrology m	ist bo pr	rocont ur	Noce dist	urbod or problematic	
	Laver (if observed):		wettand nydrology me	ust be pi	esent, ui		urbed or problematic.	
Type:	N//							
Depth (ir	nches):						Hydric Soil Present?	Yes X No
Remarks:							•	
								ield Indicators of Hydric Soils,
Version 7.0,	2015 Errata. (http://v	www.nrcs	.usda.gov/Internet/F	SE_DOC	CUMENT	S/nrcs14	2p2_051293.docx)	

Project/Site: Mohaw	k Solar				C	ty/County: Mo	ontgo	mery County		Sampling Date:	6/13/	2018
Applicant/Owner:	Mohawk Sola	ar LLC						State:	NY	Sampling Poir	nt: 1We	≥t@WetEE
Investigator(s): John	Wojicikiewicz	, Shelby Zemken	I			Section	n, Tov	wnship, Range:	Town of	Canajoharie and	Minde	n
Landform (hillside, ter	race, etc.):	Gentle hillslope			Local reli	ef (concave, c	onve	x, none): <u>Conca</u>	ave	Slop	e %:	1-2
Subregion (LRR or ML	_RA): <u>LRR L</u>	<u> </u>	Lat:	42.885908		Lo	ong:	-74.611525		Datum:	WGS	384
Soil Map Unit Name:	Lansing silt l	oam, 3 to 8 perce	ent slo	opes				NWI class	ification:	PEM		
Are climatic / hydrolog	ic conditions	on the site typical	l for t	this time of y	/ear?	Yes	Х	No	(If no, e	explain in Remar	ks.)	
Are Vegetation	, Soil	, or Hydrology		significantly	disturbed	l? Are "	'Norm	al Circumstanc	es" pres	ent? Yes X	No	
Are Vegetation	, Soil	, or Hydrology		naturally pro	oblematic	? (If ne	eded	l, explain any ar	nswers ir	n Remarks.)		
SUMMARY OF F	INDINGS -	Attach site n	nap	showing	sampli	ng point lo	ocat	ions, transe	cts, im	portant feat	ures,	etc.
Hydrophytic Vegetati	on Present?	Yes	Х	No		Is the Sample	ed Ar	ea				
Hydric Soil Present?		Yes	Х	No		within a Wetl	land?	Yes	s_X_	No		
Wetland Hydrology P	'resent?	Yes	Х	No		If yes, optiona	al We	tland Site ID:				
Remarks: (Explain a	Iternative proc	cedures here or ir	n a se	eparate repo	ort.)							

Wetland Hydrology Indicators:		Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is require	Surface Soil Cracks (B6)	
Surface Water (A1)	Drainage Patterns (B10)	
X High Water Table (A2)	Aquatic Fauna (B13)	Moss Trim Lines (B16)
X Saturation (A3)	Marl Deposits (B15)	Dry-Season Water Table (C2)
Water Marks (B1)	Hydrogen Sulfide Odor (C1)	Crayfish Burrows (C8)
Sediment Deposits (B2)	Oxidized Rhizospheres on Living Ro	bots (C3) Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3)	Presence of Reduced Iron (C4)	Stunted or Stressed Plants (D1)
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soils	s (C6) Geomorphic Position (D2)
Iron Deposits (B5)	Thin Muck Surface (C7)	Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7)) Other (Explain in Remarks)	Microtopographic Relief (D4)
Sparsely Vegetated Concave Surface (B	8)	FAC-Neutral Test (D5)
Field Observations:		
Surface Water Present? Yes	No X Depth (inches):	
Water Table Present? Yes X	No Depth (inches): 5	
Saturation Present? Yes X	No Depth (inches): 0	Wetland Hydrology Present? Yes X No
(includes capillary fringe)		
Describe Recorded Data (stream gauge, mor	nitoring well, aerial photos, previous inspe	ections), if available:
Remarks:		

Sampling Point: 1Wet@WetEE

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. Ulmus americana	10	Yes	FACW	
2. Fraxinus pennsylvanica	10	Yes	FACW	Number of Dominant Species That Are OBL, FACW, or FAC: 7 (A)
3 4				Total Number of Dominant Species Across All Strata: 8 (B)
5 6				Percent of Dominant Species That Are OBL, FACW, or FAC: <u>87.5%</u> (A/B
7				Prevalence Index worksheet:
	20	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15)			OBL species <u>30</u> x 1 = <u>30</u>
1. Cornus amomum	15	Yes	FACW	FACW species 65 x 2 = 130
2. Lonicera morrowii	10	Yes	FACU	FAC species 0 x 3 = 0
3				FACU species 10 x 4 = 40
4				UPL species 0 x 5 = 0
5				Column Totals: 105 (A) 200 (B
6.				Prevalence Index = B/A = 1.90
7				Hydrophytic Vegetation Indicators:
	25	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5)		-		X 2 - Dominance Test is >50%
. Carex vulpinoidea	15	Yes	OBL	X 3 - Prevalence Index is ≤3.0 ¹
2. Onoclea sensibilis	15	Yes	FACW	4 - Morphological Adaptations ¹ (Provide supporti
3. Carex stipata	10	Yes	OBL	data in Remarks or on a separate sheet)
4. Impatiens capensis	10	Yes	FACW	Problematic Hydrophytic Vegetation ¹ (Explain)
5. Scirpus atrovirens	5	No	OBL	
6. Eupatorium perfoliatum	<u> </u>	No	FACW	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7.			17.00	Definitions of Vegetation Strata:
3.		·		-
)		·		Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of heigh
10 11				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
12	60	=Total Cover		Herb – All herbaceous (non-woody) plants, regardles of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30)			Woody vines – All woody vines greater than 3.28 ft height.
2.	_			
3.				Hydrophytic
				Vegetation Present? Yes X No
1	-	=Total Cover		
4				

Profile Desc	ription: (Describe	the de	oth needed to docu	ument ti	he indica	ator or co	onfirm the absence	of indicato	rs.)	
Depth	Matrix		Redo	x Featur	es					
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture		Remark	S
0-4	10YR 3/1	100					Loamy/Clayey			
4-12	10YR 3/1	95	7.5YR 4/6	5	С	М	Loamy/Clayey		Clay Silt Lo	bam
12-20	10YR 4/1	80	7.5YR 5/8	20	С	M	Loamy/Clayey	Prominent re	edox concentrati	ons, Clay Silt Loam
¹ Type: C=Cc Hydric Soil I Histosol Histic Ep Black His Hydroger Stratified X Depleted Thick Da Sandy M Sandy G Sandy R Sandy Sandy R Sandy Sandy S	mcentration, D=Depl ndicators: (A1) ipedon (A2) stic (A3) n Sulfide (A4) Layers (A5) Below Dark Surface rk Surface (A12) ucky Mineral (S1) leyed Matrix (S4) edox (S5) Matrix (S6) face (S7) hydrophytic vegetat .ayer (if observed): N/A cches):	etion, RM	=Reduced Matrix, M Polyvalue Belo MLRA 149B Thin Dark Surf High Chroma S Loamy Mucky Loamy Gleyed Depleted Matri X Redox Dark Su Depleted Dark Redox Depress Marl (F10) (LR etland hydrology mu	AS=Mas AS=Mas w Surfa) ace (S9 Sands (S Mineral Matrix (x (F3) urface (F Surface sions (Fi R K, L) ust be pu ional Su	ked Sand ce (S8) (I) (LRR R S11) (LRI (F1) (LRI F2) 56) 5 (F7) 8) resent, ur	LRR R, MLRA (K, L) RK, L)	2Location: Indicators 2 cm M Coast F Coast F Coast F Polyval Thin Da Polyval Thin Da Iron-Ma Piedmo Mesic S Red Pa Very Sl Other (turbed or problematic Hydric Soil Prese 2.0 to include the NF	PL=Pore Lir for Probler luck (A10) (Prairie Redc lucky Peat c lucky P	ning, M=Matr natic Hydric LRR K, L, M ox (A16) (LRF or Peat (S3) (urface (S8) ((S9) (LRR K asses (F12) in Soils (F19 in Soils (F19 in Soils (F19 in Soils (F12) in Soils (F12) in Soils (F12) Surface (F22) Surface (F22) Surface (F22) Surface (F22) Surface (F22) Surface (F22)	ix. Soils ³ : LRA 149B) R K, L, R) LRR K, L, R) LRR K, L, R) (LRR K, L, R) (LRR K, L, R)) (MLRA 149B) iA, 145, 149B) 2)
1										

Project/Site: Mohawk Solar		City/Co	ounty: Montgomery County		Sampling Date:	6/13/2018
Applicant/Owner: Mohawk	solar LLC		State	: NY	Sampling Point:	1Up@WetEE
Investigator(s): John Wojicikie	wicz, Shelby Zemken		Section, Township, Range	: Town of (Canajoharie and M	linden
Landform (hillside, terrace, etc.	.): Gentle Hillslope	Local relief (co	ncave, convex, none): <u>Conv</u>	/ex	Slope	%: 1-2
Subregion (LRR or MLRA):	.RR L Lat:	42.885919	Long: <u>-74.611165</u>		Datum:	WGS84
Soil Map Unit Name: Darien	silt loam, 3 to 8 percent		NWI clas	sification:	N/A	
Are climatic / hydrologic condit	ions on the site typical for	this time of year?	Yes <u>X</u> No	(If no, e	xplain in Remarks	.)
Are Vegetation, Soil	, or Hydrology	significantly disturbed?	Are "Normal Circumstan	ces" prese	ent? Yes X	No
Are Vegetation, Soil	, or Hydrology	naturally problematic?	(If needed, explain any a	answers in	Remarks.)	
SUMMARY OF FINDING	S – Attach site map	o showing sampling	point locations, trans	ects, im _l	portant featur	es, etc.
Hydrophytic Vegetation Prese Hydric Soil Present?	ent? Yes X Yes X		e Sampled Area n a Wetland? Ye	es	No_X	

Hydric Soil Present?	Yes X No	within a Wetland? Yes No X
Wetland Hydrology Present?	Yes No X	If yes, optional Wetland Site ID:
Remarks: (Explain alternative procedure	es here or in a separate report.)	

Wetland Hydrology Indicat	ors:				Secondary Indicators (minimum of two required)
Primary Indicators (minimum	of one is require	ed; check all	that apply)		Surface Soil Cracks (B6)
Surface Water (A1)		Water-	Stained Leaves (B9)		Drainage Patterns (B10)
High Water Table (A2)		Aquatio	c Fauna (B13)		Moss Trim Lines (B16)
Saturation (A3)		Marl D	eposits (B15)		Dry-Season Water Table (C2)
Water Marks (B1)		Hydrog	jen Sulfide Odor (C1)		Crayfish Burrows (C8)
Sediment Deposits (B2)		Oxidize	ed Rhizospheres on Living Ro	oots (C3)	Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3)		Presen	ice of Reduced Iron (C4)		Stunted or Stressed Plants (D1)
Algal Mat or Crust (B4)		Recent	Iron Reduction in Tilled Soil	s (C6)	Geomorphic Position (D2)
Iron Deposits (B5)		Thin M	uck Surface (C7)		Shallow Aquitard (D3)
Inundation Visible on Ae	rial Imagery (B7)Other (Explain in Remarks)		Microtopographic Relief (D4)
Sparsely Vegetated Con	cave Surface (B	8)			FAC-Neutral Test (D5)
Field Observations:					
Surface Water Present?	Yes	No X	Depth (inches):		
Water Table Present?	Yes	No X	Depth (inches):		
Saturation Present?	Yes	No X	Depth (inches):	Wetlar	nd Hydrology Present? Yes No X
(includes capillary fringe)					
(includes capillary fringe) Describe Recorded Data (str	eam gauge, moi	nitoring well,	aerial photos, previous inspe	ections), if	available:
	eam gauge, moi	nitoring well,	aerial photos, previous inspe	ections), if	available:
Describe Recorded Data (str	eam gauge, moi	nitoring well,	aerial photos, previous inspe	ections), if	available:
	eam gauge, moi	nitoring well,	aerial photos, previous inspe	L ections), if	available:
Describe Recorded Data (str	eam gauge, moi	nitoring well,	aerial photos, previous inspe	Lections), if	available:
Describe Recorded Data (str	eam gauge, moi	nitoring well,	aerial photos, previous inspe	ections), if	available:
Describe Recorded Data (str	eam gauge, moi	nitoring well,	aerial photos, previous inspe	Lections), if	available:
Describe Recorded Data (str	eam gauge, moi	nitoring well,	aerial photos, previous inspe	ections), if	available:
Describe Recorded Data (str	eam gauge, moi	nitoring well,	aerial photos, previous inspe	ections), if	available:
Describe Recorded Data (str	eam gauge, moi	nitoring well,	aerial photos, previous inspe	ections), if	available:
Describe Recorded Data (str	eam gauge, moi	nitoring well,	aerial photos, previous inspe	ections), if	available:
Describe Recorded Data (str	eam gauge, moi	nitoring well,	aerial photos, previous inspe	ections), if	available:

Sampling Point: <u>1Up@WetEE</u>

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
 Ulmus americana 2. 	5	Yes	FACW	Number of Dominant Species That Are OBL, FACW, or FAC: 4 (A)
3. 4.				Total Number of Dominant Species Across All Strata: 6 (B)
5. 6.				Percent of Dominant Species That Are OBL, FACW, or FAC: 66.7% (A/B)
7.				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 30)				OBL species 5 x 1 = 5
1. Cornus racemosa	10	Yes	FAC	FACW species 5 x 2 = 10
2. Viburnum dentatum	5	Yes	FAC	FAC species 40 x 3 = 120
3.				FACU species 20 x 4 = 80
4.				UPL species 20 x 5 = 100
5.				Column Totals: 90 (A) 315 (B)
6.				Prevalence Index = $B/A = 3.50$
7.		·		Hydrophytic Vegetation Indicators:
	15	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
<u>Herb Stratum</u> (Plot size: 30)				X 2 - Dominance Test is >50%
1. Solidago sp.	25	Yes	FAC	$3 - Prevalence Index is \leq 3.0^1$
2. Centaurea maculosa	20	Yes	UPL	4 - Morphological Adaptations ¹ (Provide supporting
3. Galium mollugo	15	Yes	FACU	data in Remarks or on a separate sheet)
				Drablemetic Undrandutic Magnetation ¹ (Evaluation)
4. Rubus sp.	5	No	OBL	Problematic Hydrophytic Vegetation ¹ (Explain)
 <u>Ranunculus sp.</u> 6. 	5	No	FACU	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7.				Definitions of Vegetation Strata:
8.				Tree – Woody plants 3 in. (7.6 cm) or more in
9.				diameter at breast height (DBH), regardless of height.
10 11.		·		Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
11 12.				
12.	70	=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30)				Woody vines – All woody vines greater than 3.28 ft in
1				height.
2				Hydrophytic
3		·		Vegetation
4				Present? Yes X No
		=Total Cover		
Remarks: (Include photo numbers here or on a sepa	arate sheet.)			

SOIL

Profile Desc	cription: (Describe	to the de	pth needed to docu	ument ti	he indica	ator or c	onfirm the absence o	of indicators.)
Depth	Matrix		Redo	x Featur	es			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-14	10YR 5/2	90	7.5YR 5/6	10	С	М	Loamy/Clayey	Silt Loam
14-16	10YR 5/2	80	7.5YR 5/6	20	С	М	Loamy/Clayey	Silt Loam
¹ Type: C=C	oncentration, D=Depl	etion. RM	I=Reduced Matrix, M	/S=Mas	ked Sand	d Grains.	² Location: F	PL=Pore Lining, M=Matrix.
Hydric Soil		,						or Problematic Hydric Soils ³ :
Histosol			Polyvalue Belo	w Surfa	ce (S8) (I	LRR R,		uck (A10) (LRR K, L, MLRA 149B)
	pipedon (A2)		MLRA 149B)	. , .			Prairie Redox (A16) (LRR K, L, R)
	stic (A3)		Thin Dark Surf	ace (S9)) (LRR R	, MLRA [·]		ucky Peat or Peat (S3) (LRR K, L, R)
Hydroge	n Sulfide (A4)		High Chroma S	• • •	•			ue Below Surface (S8) (LRR K, L)
	d Layers (A5)		Loamy Mucky					rk Surface (S9) (LRR K, L)
	d Below Dark Surface	e (A11)	Loamy Gleyed			. ,		nganese Masses (F12) (LRR K, L, R)
	ark Surface (A12)	()	X Depleted Matri		,			nt Floodplain Soils (F19) (MLRA 149B)
	/ucky Mineral (S1)		Redox Dark Su		6)			podic (TA6) (MLRA 144A, 145, 149B)
	Gleyed Matrix (S4)		Depleted Dark	`	'			rent Material (F21)
	Redox (S5)		Redox Depress		• •			allow Dark Surface (F22)
	Matrix (S6)		Marl (F10) (LR	-	-,			Explain in Remarks)
	rface (S7)		(11211)(110)(110)	, _/				
³ Indicators o	f hydrophytic vegetat	ion and w	etland hydrology mu	ust be pr	esent, ur	nless dist	urbed or problematic.	
Restrictive	Layer (if observed):							
Type:	N/A	A						
Depth (ii	nches):						Hydric Soil Prese	nt? Yes <u>X</u> No
Remarks:							•	
								CS Field Indicators of Hydric Soils,
Version 7.0,	2015 Errata. (http://w	/ww.nrcs.	usda.gov/Internet/FS	SE_DOC	CUMENT	S/nrcs14	2p2_051293.docx)	

Project/Site: Mohawk Solar	City/Co	unty: Montgomery County	Sampling Date: 10/18/17
Applicant/Owner: Mohawk Solar LLC		State: N	NY Sampling Point: 1wet@wetG
Investigator(s): John Wojcikiewicz, Shelby Zemke	n	Section, Township, Range: Tow	vn of Canajoharie and Minden
Landform (hillside, terrace, etc.): Hillslope	Local relief (co	ncave, convex, none): None	Slope %: 2
Subregion (LRR or MLRA): LRR L	Lat: <u>42.8928</u>	Long: -74.6259	Datum: WGS84
Soil Map Unit Name: Churchville silty clay loam, 3	3 to 8 perent slopes	NWI classifica	tion: PEM
Are climatic / hydrologic conditions on the site typic	cal for this time of year?	Yes X No (If	no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology	significantly disturbed?	Are "Normal Circumstances"	present? Yes X No
Are Vegetation, Soil, or Hydrology	naturally problematic?	(If needed, explain any answe	ers in Remarks.)
SUMMARY OF FINDINGS – Attach site	map showing sampling	ooint locations, transects	, important features, etc.
Hydrophytic Vegetation Present? Yes	X No Is the	e Sampled Area	

Hydric Soil Present? Wetland Hydrology Present?	Yes Yes	X X X	No No	within a Wetland? Yes X No If yes, optional Wetland Site ID:
Remarks: (Explain alternative procedur	res here or	in a se	eparate report.)	·

Wetland Hydrology Indicators:			Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is requi	Surface Soil Cracks (B6)		
X Surface Water (A1)	Water-Stained Leaves (B9)		Drainage Patterns (B10)
High Water Table (A2)	Aquatic Fauna (B13)		Moss Trim Lines (B16)
X Saturation (A3)	Marl Deposits (B15)		Dry-Season Water Table (C2)
X Water Marks (B1)	Hydrogen Sulfide Odor (C1)		Crayfish Burrows (C8)
Sediment Deposits (B2)	Oxidized Rhizospheres on Living R	oots (C3)	Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3)	Presence of Reduced Iron (C4)		Stunted or Stressed Plants (D1)
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soi	ls (C6)	Geomorphic Position (D2)
Iron Deposits (B5)	Thin Muck Surface (C7)		Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B	7) Other (Explain in Remarks)		Microtopographic Relief (D4)
Sparsely Vegetated Concave Surface (B8)		FAC-Neutral Test (D5)
Field Observations:			
Surface Water Present? Yes X	No Depth (inches): 5		
Water Table Present? Yes	No X Depth (inches):		
Saturation Present? Yes X	No Depth (inches): 0	Wetlan	d Hydrology Present? Yes X No
Saturation Present? Yes X (includes capillary fringe)	No Depth (inches): 0	Wetlan	d Hydrology Present? Yes X No
(includes capillary fringe)			
(includes capillary fringe) Describe Recorded Data (stream gauge, mo			
(includes capillary fringe)			
(includes capillary fringe) Describe Recorded Data (stream gauge, mo			
(includes capillary fringe) Describe Recorded Data (stream gauge, mo			
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(includes capillary fringe) Describe Recorded Data (stream gauge, mo			
(includes capillary fringe) Describe Recorded Data (stream gauge, mo			
(includes capillary fringe) Describe Recorded Data (stream gauge, mo			

Sampling Point: 1wet@wetG

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. 2.				Number of Dominant Species That Are OBL, FACW, or FAC:4 (A)
3. 4.				Total Number of Dominant Species Across All Strata: 5 (B)
5. 6.				Percent of Dominant Species That Are OBL, FACW, or FAC: <u>80.0%</u> (A/B)
7				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15)				OBL species 30 x 1 = 30
1. Cornus amomum	10	Yes	FACW	FACW species 35 x 2 = 70
2. Viburnum dentatum	10	Yes	FAC	FAC species 10 x 3 = 30
3. Lonicera maackii	10	Yes	UPL	FACU species 0 x 4 = 0
4				UPL species 10 x 5 = 50
5				Column Totals: 85 (A) 180 (B)
6.				Prevalence Index = B/A = 2.12
7.				Hydrophytic Vegetation Indicators:
	30	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
<u>Herb Stratum</u> (Plot size: 15)				X 2 - Dominance Test is >50%
1. Typha latifolia	20	Yes	OBL	X 3 - Prevalence Index is ≤3.0 ¹
2. Phalaris arundinacea	20	Yes	FACW	4 - Morphological Adaptations ¹ (Provide supporting
3. Eutrochium maculatum	5	No	OBL	data in Remarks or on a separate sheet)
4. Onoclea sensibilis	5	No	FACW	Problematic Hydrophytic Vegetation ¹ (Explain)
5. Lythrum salicaria	5	No	OBL	
6.				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7.				Definitions of Vegetation Strata:
8.				
9.				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
10 11				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
12		=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
<u>Woody Vine Stratum</u> (Plot size: <u>30</u>)				Woody vines – All woody vines greater than 3.28 ft in
1				height.
2				Hydrophytic
3				Vegetation
4		=Total Cover		Present? Yes X No
Remarks: (Include photo numbers here or on a sepa	rate sheet.)			

Depth Matrix		Redox	k Featur				
(inches) Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-16 10YR 3/2	95	7.5YR 5/4	5	С	М	Loamy/Clayey	Silt Loam
				. <u> </u>			
				·			
¹ Type: C=Concentration, D=D	epletion, RN	/-Reduced Matrix, M	1S=Mas	ked Sand	d Grains.	² Location: PL=	Pore Lining, M=Matrix.
Hydric Soil Indicators:						Indicators for	Problematic Hydric Soils ³ :
Histosol (A1)		Polyvalue Belo	w Surfa	ce (S8) (LRR R,	2 cm Muck	(A10) (LRR K, L, MLRA 149B)
Histic Epipedon (A2)		MLRA 149B)			Coast Prair	rie Redox (A16) (LRR K, L, R)
Black Histic (A3)		Thin Dark Surfa	ace (S9) (LRR R	, MLRA 1	1 49B) 5 cm Muck	y Peat or Peat (S3) (LRR K, L, R)
Hydrogen Sulfide (A4)		High Chroma S	Sands (S	611) (LRI	R K, L)		Below Surface (S8) (LRR K, L)
Stratified Layers (A5)		Loamy Mucky I	Mineral	(F1) (LR	R K, L)	Thin Dark S	Surface (S9) (LRR K, L)
Depleted Below Dark Surfa	ace (A11)	Loamy Gleyed		F2)			anese Masses (F12) (LRR K, L, R
Thick Dark Surface (A12)		Depleted Matrix					Floodplain Soils (F19) (MLRA 149
Sandy Mucky Mineral (S1))	X Redox Dark Su		-			dic (TA6) (MLRA 144A, 145, 149B
Sandy Gleyed Matrix (S4)		Depleted Dark					t Material (F21)
Sandy Redox (S5)		Redox Depress		8)			w Dark Surface (F22)
Stripped Matrix (S6)		Marl (F10) (LR	R K, L)			Other (Exp	lain in Remarks)
Dark Surface (S7)							
³ Indiantors of hydrophytic years	tation and w	watland bydralagy my	uat ha ni	rocont u	aloon diat	urbad or problematic	
³ Indicators of hydrophytic vege Restrictive Layer (if observed		velianu nyurology mu	ist be pi	esent, u	liess uist		
	N/A						
Depth (inches):						Hydric Soil Present?	Yes X No
						Hydric Golf Fresent:	
Remarks:	N louth contur	I and Narthaast Davi			• \ / :	0.0 to include the NDCC	Field Indiantana of Lludvia Caila
Version 7.0, 2015 Errata. (http://							Field Indicators of Hydric Soils,
		·····g· ·····					

Project/Site: Mohawk Solar	City/County: Montgomery County Sampling Date: 10/19/17
Applicant/Owner: Mohawk Solar LLC	State: NY Sampling Point: 10p@WetG
Investigator(s): John Wojcikiewicz, Shelby Zemken	Section, Township, Range: Town of Canajoharie and Minden
Landform (hillside, terrace, etc.): Hillslope Local	relief (concave, convex, none): <u>None</u> Slope %: <u>2</u>
Subregion (LRR or MLRA): LRR L Lat: 42.8929	Long: _74.6258 Datum: WGS84
Soil Map Unit Name: Churchville silty clay loam, 3 to 8 percent slopes	NWI classification: N/A
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes X No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrologysignificantly distu	rbed? Are "Normal Circumstances" present? Yes X No
Are Vegetation, Soil, or Hydrologynaturally problem	atic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing san	npling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes	No X	Is the Sampled Area within a Wetland? Yes No X If yes, optional Wetland Site ID:
Hydric Soil Present?	Yes	No X	
Wetland Hydrology Present?	Yes	No X	
Remarks: (Explain alternative procedu	ires here or in a	separate report.)	

Wetland Hydrology Indicators:		Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is requi	red; 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)	Oxidized Rhizospheres on Living Roots (C3) Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3)	Presence 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 Surface (C7)	Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7	7) Other (Explain in Remarks)	Microtopographic Relief (D4)
Sparsely Vegetated Concave Surface (E	38)	FAC-Neutral Test (D5)
Field Observations:		
Surface Water Present? Yes	No X Depth (inches):	
Water Table Present? Yes	No X Depth (inches):	
Saturation Present? Yes	· · · /	and Hydrology Present? Yes No X
Saturation Present? Yes (includes capillary fringe)		and Hydrology Present? Yes <u>No X</u>
(includes capillary fringe)		
(includes capillary fringe)	No X Depth (inches): Weth	
(includes capillary fringe) Describe Recorded Data (stream gauge, mo	No X Depth (inches): Weth	
(includes capillary fringe)	No X Depth (inches): Weth	
(includes capillary fringe) Describe Recorded Data (stream gauge, mo	No X Depth (inches): Weth	
(includes capillary fringe) Describe Recorded Data (stream gauge, mo	No X Depth (inches): Weth	
(includes capillary fringe) Describe Recorded Data (stream gauge, mo	No X Depth (inches): Weth	
(includes capillary fringe) Describe Recorded Data (stream gauge, mo	No X Depth (inches): Weth	
(includes capillary fringe) Describe Recorded Data (stream gauge, mo	No X Depth (inches): Weth	
(includes capillary fringe) Describe Recorded Data (stream gauge, mo	No X Depth (inches): Weth	
(includes capillary fringe) Describe Recorded Data (stream gauge, mo	No X Depth (inches): Weth	
(includes capillary fringe) Describe Recorded Data (stream gauge, mo	No X Depth (inches): Weth	

Sampling Point: 1Up@WetG

<u>Tree Stratum</u> (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1.		Species	Status	
				Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)
3.				
				Total Number of Dominant Species Across All Strata: 3 (B)
5				· · · · · · · · · · · · · · · · · · ·
6				Percent of Dominant Species That Are OBL, FACW, or FAC: 33.3% (A/B)
7.				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
<u>Sapling/Shrub Stratum</u> (Plot size: 15)				OBL species 0 $x 1 = 0$
1. Lonicera maackii	10	Yes	UPL	FACW species 0 x 2 = 0
2. Cornus racemosa	5	Yes	FAC	FAC species $5 \times 3 = 15$
3.				FACU species 35 x 4 = 140
4.				UPL species 15 x 5 = 75
5.				Column Totals: 55 (A) 230 (B)
6.				Prevalence Index = B/A = 4.18
7.				Hydrophytic Vegetation Indicators:
	15	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 15)				2 - Dominance Test is >50%
1. Solidago canadensis	25	Yes	FACU	3 - Prevalence Index is ≤3.0 ¹
2. Vicia cracca	5	No	UPL	4 - Morphological Adaptations ¹ (Provide supporting
3. Trifolium repens	5	No	FACU	data in Remarks or on a separate sheet)
4. Plantago lanceolata	5	No	FACU	Problematic Hydrophytic Vegetation ¹ (Explain)
5.				¹ Indicators of hydric soil and wetland hydrology must
6.				be present, unless disturbed or problematic.
7.				Definitions of Vegetation Strata:
8				Tree – Woody plants 3 in. (7.6 cm) or more in
9				diameter at breast height (DBH), regardless of height.
10				Sapling/shrub – Woody plants less than 3 in. DBH
11				and greater than or equal to 3.28 ft (1 m) tall.
12				Herb – All herbaceous (non-woody) plants, regardless
	40	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30)				Woody vines – All woody vines greater than 3.28 ft in
1				height.
2				Underse he die
3				Hydrophytic Vegetation
4				Present? Yes No X
		=Total Cover		
Remarks: (Include photo numbers here or on a separ	rate sheet.)			

Depth	Cription: (Describe Matrix	to the de		u ment t x Featur		ator or Co	onfirm the absence of ir	iuicators.)	
(inches)	Color (moist)	%	Color (moist)	% x i eatur	Type ¹	Loc ²	Texture	Remarks	
0-4	10YR 3/2	100					Loamy/Clayey	Silt Loam	
4-16	10YR 5/4	97	10YR 5/6	3	С	М	Loamy/Clayey	Silt Loam	
	oncentration, D=Dep	letion, RM	I=Reduced Matrix, N	 //S=Mas	ked Sand	Grains.		Pore Lining, M=Matrix.	
Hydric Soil Indicators:							Indicators for Problematic Hydric Soils ³ :		
Histosol (A1) Polyvalue Below Surface (S8) (LRR R,							(A10) (LRR K, L, MLRA 149B)		
Histic Epipedon (A2) MLRA 149B)							ie Redox (A16) (LRR K, L, R)		
Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA						y Peat or Peat (S3) (LRR K, L, R)			
Hydrogen Sulfide (A4) High Chroma Sands (S11) (LRR K, L)					Polyvalue Below Surface (S8) (LRR K, L)				
Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L)					R K, L)	Thin Dark Surface (S9) (LRR K, L)			
Depleted Below Dark Surface (A11) Loamy Gleyed Matrix (F2)							nese Masses (F12) (LRR K, L, R		
	ark Surface (A12)	Depleted Matri					loodplain Soils (F19) (MLRA 149		
	/lucky Mineral (S1)		Redox Dark Su	•	,			lic (TA6) (MLRA 144A, 145, 149E	
Sandy Gleyed Matrix (S4)			Depleted Dark	Surface	e (F7)			Material (F21)	
Sandy Redox (S5)			Redox Depres	•	8)			w Dark Surface (F22)	
	l Matrix (S6)		Marl (F10) (LR	R K, L)			Other (Expl	ain in Remarks)	
Dark Su	ırface (S7)								
			etland hydrology m	ust be pi	resent, ui	nless dist	urbed or problematic.		
Type:	Layer (if observed): N//								
Depth (i		<u>،</u>					Hydric Soil Present?	Yes No X	
Remarks:									
	rm is revised from No	orthcentral	and Northeast Reg	ional Su	ıpplemen	t Version	2.0 to include the NRCS	Field Indicators of Hydric Soils,	
Version 7.0,	2015 Errata. (http://w	ww.nrcs.	usda.gov/Internet/F	SE_DOO	CUMENT	S/nrcs14	2p2_051293.docx)	-	

Project/Site: Mohawk Solar	City/County: Marshville, Montgomery Sampling Date: 9/5/2018						
Applicant/Owner: Avantgrid	State: NY Sampling Point: 1wet@wetGG						
Investigator(s): SZ, SB	Section, Township, Range: Town of Canajoharie						
Landform (hillside, terrace, etc.): Swale	Local relief (concave, convex, none): Concave Slope %: 0						
Subregion (LRR or MLRA): LRR R, MLRA 144A Lat: 42.864863	Long: <u>-74.653014</u> Datum: NAD 83						
Soil Map Unit Name: Madalin silty clay loam	NWI classification: PEM						
Are climatic / hydrologic conditions on the site typical for this time of y	year? Yes X No (If no, explain in Remarks.)						
Are Vegetation, Soil, or Hydrologysignificantly	disturbed? Are "Normal Circumstances" present? Yes X No						
Are Vegetation, Soil, or Hydrologynaturally problematic? (If needed, explain any answers in Remarks.)							
SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.							
Hydrophytic Vegetation Present? Yes X No	Is the Sampled Area						
Hydric Soil Present? Yes X No	within a Wetland? Yes X No						
Wetland Hydrology Present? Yes X No	If yes, optional Wetland Site ID:						
Remarks: (Explain alternative procedures here or in a separate report.)							

Wetland Hydrology Indicators:			Secondary Indicators (minimum of two required)	
Primary Indicators (minimum of one is require	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)	Oxidized Rhizospheres on Living Ro	oots (C3)	Saturation Visible on Aerial Imagery (C9)	
Drift Deposits (B3)	Presence of Reduced Iron (C4)	Stunted or Stressed Plants (D1)		
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soils	s (C6)	X Geomorphic Position (D2)	
Iron Deposits (B5)	Thin Muck Surface (C7)		Shallow Aquitard (D3)	
Inundation Visible on Aerial Imagery (B7	Other (Explain in Remarks)		Microtopographic Relief (D4)	
Sparsely Vegetated Concave Surface (B	8)		X FAC-Neutral Test (D5)	
Field Observations:				
Surface Water Present? Yes	No X Depth (inches):			
Water Table Present? Yes	No X Depth (inches):			
Saturation Present? Yes	No X Depth (inches):	Wetlan	d Hydrology Present? Yes X No	
Saturation Present? Yes (includes capillary fringe)	No X Depth (inches):	Wetlan	d Hydrology Present? Yes X No	
			· · · ·	
(includes capillary fringe)			· · · ·	
(includes capillary fringe) Describe Recorded Data (stream gauge, mor			· · · ·	
(includes capillary fringe)			· · · ·	
(includes capillary fringe) Describe Recorded Data (stream gauge, mor			· · · ·	
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(includes capillary fringe) Describe Recorded Data (stream gauge, mor			· · · ·	
(includes capillary fringe) Describe Recorded Data (stream gauge, mor			· · · ·	
(includes capillary fringe) Describe Recorded Data (stream gauge, mor			· · · ·	

Sampling Point: 1wet@wetGG

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. 2.				Number of Dominant Species That Are OBL, FACW, or FAC:3(A)
3 4				Total Number of Dominant Species Across All Strata: <u>3</u> (B)
5				Percent of Dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B)
7				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15)				OBL species 60 x 1 = 60
1				FACW species 0 x 2 = 0
2.				FAC species $0 \times 3 = 0$
3.				FACU species 0 x 4 = 0
4				UPL species 0 x 5 = 0
				Column Totals: 60 (A) 60 (B)
				Prevalence Index = $B/A = 1.00$
6 7.				Hydrophytic Vegetation Indicators:
/:		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Harb Stratum (Dist size) E				X 2 - Dominance Test is >50%
Herb Stratum (Plot size: 5)	00	Mar		
1. Juncus effusus	20	Yes	OBL	X 3 - Prevalence Index is $\leq 3.0^1$
2. Carex vulpinoidea	20	Yes	OBL	4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
3. Scirpus atrovirens	20	Yes	OBL	
4				Problematic Hydrophytic Vegetation ¹ (Explain)
5				¹ Indicators of hydric soil and wetland hydrology must
6				be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8				Tree – Woody plants 3 in. (7.6 cm) or more in
9				diameter at breast height (DBH), regardless of height.
10				Sapling/shrub – Woody plants less than 3 in. DBH
11				and greater than or equal to 3.28 ft (1 m) tall.
12.				Herb – All herbaceous (non-woody) plants, regardless
	60	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30) 1.				Woody vines – All woody vines greater than 3.28 ft in height.
2				Linderschudig
3				Hydrophytic Vegetation
4				Present? Yes X No
		=Total Cover		
Remarks: (Include photo numbers here or on a sepa	rate sheet.)			

Depth Matrix Redox Features (inches) Color (moist) % Color (moist) % Type ¹ Loc ² Texture Remarks 0-16 10YR 2/1 50 7.5YR 5/6 15 C M Loamy/Clayey Prominent redox concentrations
0-16 10YR 2/1 50 7.5YR 5/6 15 C M Loamy/Clayey Prominent redox concentrations 10YR 3/1 35 10YR 3/1 35
10YR 3/1 35 10YR 3/1 10YR 3/1 10Y
Image:
Hydric Soil Indicators: Indicators for Problematic Hydric Soils ³ : Histosol (A1) Polyvalue Below Surface (S8) (LRR R, Histic Epipedon (A2) 2 cm Muck (A10) (LRR K, L, MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, R)
Hydric Soil Indicators: Indicators for Problematic Hydric Soils ³ : Histosol (A1) Polyvalue Below Surface (S8) (LRR R, Histic Epipedon (A2) 2 cm Muck (A10) (LRR K, L, MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, R)
Hydric Soil Indicators: Indicators for Problematic Hydric Soils ³ : Histosol (A1) Polyvalue Below Surface (S8) (LRR R, Histic Epipedon (A2) 2 cm Muck (A10) (LRR K, L, MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, R)
Hydric Soil Indicators: Indicators for Problematic Hydric Soils ³ : Histosol (A1) Polyvalue Below Surface (S8) (LRR R, Histic Epipedon (A2) 2 cm Muck (A10) (LRR K, L, MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, R)
Hydric Soil Indicators: Indicators for Problematic Hydric Soils ³ : Histosol (A1) Polyvalue Below Surface (S8) (LRR R, Histic Epipedon (A2) 2 cm Muck (A10) (LRR K, L, MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, R)
Hydric Soil Indicators: Indicators for Problematic Hydric Soils ³ : Histosol (A1) Polyvalue Below Surface (S8) (LRR R, Histic Epipedon (A2) 2 cm Muck (A10) (LRR K, L, MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, R)
Hydric Soil Indicators: Indicators for Problematic Hydric Soils ³ : Histosol (A1) Polyvalue Below Surface (S8) (LRR R, Histic Epipedon (A2) 2 cm Muck (A10) (LRR K, L, MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, R)
Hydric Soil Indicators: Indicators for Problematic Hydric Soils ³ : Histosol (A1) Polyvalue Below Surface (S8) (LRR R, Histic Epipedon (A2) 2 cm Muck (A10) (LRR K, L, MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, R)
Hydric Soil Indicators: Indicators for Problematic Hydric Soils ³ : Histosol (A1) Polyvalue Below Surface (S8) (LRR R, Histic Epipedon (A2) 2 cm Muck (A10) (LRR K, L, MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, R)
Hydric Soil Indicators: Indicators for Problematic Hydric Soils ³ : Histosol (A1) Polyvalue Below Surface (S8) (LRR R, Histic Epipedon (A2) 2 cm Muck (A10) (LRR K, L, MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, R)
Hydric Soil Indicators: Indicators for Problematic Hydric Soils ³ : Histosol (A1) Polyvalue Below Surface (S8) (LRR R, Histic Epipedon (A2) 2 cm Muck (A10) (LRR K, L, MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, R)
Hydric Soil Indicators: Indicators for Problematic Hydric Soils ³ : Histosol (A1) Polyvalue Below Surface (S8) (LRR R, Histic Epipedon (A2) 2 cm Muck (A10) (LRR K, L, MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, R)
Histosol (A1) Polyvalue Below Surface (S8) (LRR R, 2 cm Muck (A10) (LRR K, L, MLRA 149B) Histic Epipedon (A2) MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, R)
Histic Epipedon (A2) MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, R)
$R(ack Hetic(A3)) \qquad \qquad hin(back(Surface(Su))) = back(ack(back($
Hydrogen Sulfide (A4) High Chroma Sands (S11) (LRR K, L) Polyvalue Below Surface (S8) (LRR K, L)
Stratified Layers (A5)Loamy Mucky Mineral (F1) (LRR K, L)Thin Dark Surface (S9) (LRR K, L)
Depleted Below Dark Surface (A11) Loamy Gleyed Matrix (F2) Iron-Manganese Masses (F12) (LRR K, L, R)
Thick Dark Surface (A12)Depleted Matrix (F3)Piedmont Floodplain Soils (F19) (MLRA 149B)
Sandy Mucky Mineral (S1) X Redox Dark Surface (F6) Mesic Spodic (TA6) (MLRA 144A, 145, 149B)
Sandy Gleyed Matrix (S4) Depleted Dark Surface (F7) Red Parent Material (F21)
Sandy Redox (S5) Redox Depressions (F8) Very Shallow Dark Surface (F22)
Stripped Matrix (S6)Marl (F10) (LRR K, L)Other (Explain in Remarks)
Dark Surface (S7)
³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.
Restrictive Layer (if observed):
Type: N/A
Depth (inches): Hydric Soil Present? Yes X No
Remarks:
This data form is revised from Northcentral and Northeast Regional Supplement Version 2.0 to include the NRCS Field Indicators of Hydric Soils, Version 7.0, 2015 Errata. (http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs142p2_051293.docx)

Project/Site: Mohawk Solar		City/County: Ma	arshville, Montgomery	Sampling Date: 6/14/2018				
Applicant/Owner: Avantgrid			State: NY	Sampling Point: 1Up@wetGG				
Investigator(s): <u>SZ, SB</u>		Sectior	n, Township, Range: <u>Town o</u>	f Canajoharie				
Landform (hillside, terrace, etc.): Hillslop	e	Local relief (concave, c	onvex, none): <u>Convex</u>	Slope %: 2-3				
Subregion (LRR or MLRA): LRR R, MLRA	<u>144A</u> Lat: <u>42.864</u>	792 L	ong: <u>-74.652494</u>	Datum: NAD 83				
Soil Map Unit Name: Madalin silty clay loa	m		NWI classification	: <u>N/A</u>				
Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No (If no, explain in Remarks.)								
Are Vegetation, Soil, or Hyd	Irologysignific	antly disturbed? Are "	Normal Circumstances" pres	sent? Yes X No				
Are Vegetation, Soil, or Hyd	Irologynatural	ly problematic? (If ne	eded, explain any answers i	n Remarks.)				
SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.								
Hydrophytic Vegetation Present?	Yes No	X Is the Sample	ed Area					
Hydric Soil Present?	Yes X No	within a Wet	and? Yes	No <u>X</u>				
Wetland Hydrology Present?	Yes No	X If yes, optiona	I Wetland Site ID:					
Remarks: (Explain alternative procedures	here or in a separate	report.)						

Wetland Hydrology Indicators:	Secondary Indicators (min	imum of two required)					
Primary Indicators (minimum of one is requir	Surface Soil Cracks (B6)						
Surface Water (A1)	Water-Stained Leaves (B9)		Drainage Patterns (B1	10)			
High Water Table (A2)	Aquatic Fauna (B13)		Moss Trim Lines (B16	5)			
Saturation (A3)	Marl Deposits (B15)		Dry-Season Water Ta	ble (C2)			
Water Marks (B1)	Hydrogen Sulfide Odor (C1)		Crayfish Burrows (C8))			
Sediment Deposits (B2)	Oxidized Rhizospheres on Livi	ng Roots (C3)	Saturation Visible on A	Aerial Imagery (C9)			
Drift Deposits (B3)	Presence of Reduced Iron (C4)	Stunted or Stressed P	Plants (D1)			
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled	l Soils (C6)	Geomorphic Position (D2)				
Iron Deposits (B5)	Thin Muck Surface (C7)		Shallow Aquitard (D3)				
Inundation Visible on Aerial Imagery (B7	 Other (Explain in Remarks) 		Microtopographic Reli	ef (D4)			
Sparsely Vegetated Concave Surface (B	38)		FAC-Neutral Test (D5)			
Field Observations:							
Surface Water Present? Yes	No X Depth (inches):						
Water Table Present? Yes	No X Depth (inches):						
Saturation Present? Yes	No X Depth (inches):	Wetlar	nd Hydrology Present?	Yes No X			
(includes capillary fringe)							
Describe Recorded Data (stream gauge, mo	nitoring well, aerial photos, previous	inspections), if	available:				
Remarks:							

Sampling Point: 1Up@wetGG

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. 2.				Number of Dominant Species That Are OBL, FACW, or FAC:2 (A)
3. 4.				Total Number of Dominant Species Across All Strata: 5 (B)
5. 6.				Percent of Dominant Species That Are OBL, FACW, or FAC:(A/B)
7				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15)				OBL species 0 x 1 = 0
1				FACW species 0 x 2 = 0
2.				FAC species 40 x 3 = 120
3.				FACU species 40 x 4 = 160
4.				UPL species 20 x 5 = 100
5.				Column Totals: 100 (A) 380 (B)
6.				Prevalence Index = $B/A = 3.80$
7.				Hydrophytic Vegetation Indicators:
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
<u>Herb Stratum</u> (Plot size: 5)				2 - Dominance Test is >50%
1. Solidago sp.	20	Yes	FAC	$3 - Prevalence Index is \leq 3.0^1$
2. Vicia cracca	20	Yes	UPL	4 - Morphological Adaptations ¹ (Provide supporting
3. Ranunculus acris	20	Yes	FAC	data in Remarks or on a separate sheet)
4. Taraxacum officinale	20	Yes	FACU	Problematic Hydrophytic Vegetation ¹ (Explain)
5. Trifolium repens 6.	20	Yes	FACU	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
10 11.				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
12.	100	=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
<u>Woody Vine Stratum</u> (Plot size: 30)	100			
1				Woody vines – All woody vines greater than 3.28 ft in height.
2				Hydrophytic
3				Vegetation
4				Present? Yes <u>No X</u>
		=Total Cover		
Remarks: (Include photo numbers here or on a separ	ate sheet.)			

Profile Desc	ription: (Describe	to the de	pth needed to doc	ument tl	he indica	ator or co	onfirm the absence of i	ndicators.)
Depth	Matrix			x Featur		<u> </u>		
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-16	10YR 3/2	95	7.5YR 5/6	5	<u> </u>	<u>M</u>	Loamy/Clayey	Prominent redox concentrations
		<u> </u>						
	oncentration, D=Depl	letion, RM	I=Reduced Matrix, N	/IS=Masl	ked Sand	d Grains.		=Pore Lining, M=Matrix.
Black Hit Hydroge Stratified Depleted Thick Da Sandy M Sandy G Sandy R Stripped Dark Sur	(A1) ipedon (A2) stic (A3) n Sulfide (A4) I Layers (A5) I Below Dark Surface Irk Surface (A12) lucky Mineral (S1) leyed Matrix (S4) edox (S5) Matrix (S6) face (S7) f hydrophytic vegetat	ion and w	Polyvalue Belo MLRA 149B Thin Dark Surf High Chroma S Loamy Mucky Loamy Gleyed Depleted Matri X Redox Dark Su Depleted Dark Redox Depress Marl (F10) (LR) Sands (S9) Sands (S Mineral I Matrix (X (F3) urface (F Surface sions (F8 R K, L)) (LRR R 611) (LRI (F1) (LRI F2) 6) (F7) 8)	, MLRA 1 R K, L) R K, L)	2 cm Mucł Coast Prai 5 cm Mucł Polyvalue Thin Dark Iron-Mang Piedmont Mesic Spo Red Paren Very Shall	Problematic Hydric Soils ³ : (A10) (LRR K, L, MLRA 149B) irie Redox (A16) (LRR K, L, R) ky Peat or Peat (S3) (LRR K, L, R) Below Surface (S8) (LRR K, L) Surface (S9) (LRR K, L) anese Masses (F12) (LRR K, L, R) Floodplain Soils (F19) (MLRA 149B) odic (TA6) (MLRA 144A, 145, 149B) ant Material (F21) ow Dark Surface (F22) olain in Remarks)
Restrictive I Type: Depth (ir	_ayer (if observed): N/A nches):						Hydric Soil Present	? Yes X No
Remarks: This data for							2.0 to include the NRCS	S Field Indicators of Hydric Soils,

Project/Site: Mohawk Solar		City/County: Montgomery County	Sampling Date: 10/20/17
Applicant/Owner: Mohawk Solar LLC		State: NY	Sampling Point: <u>1wet@wetH</u>
Investigator(s): John Wojcikiewicz, Shelby Zemken	I	Section, Township, Range: Town	of Canajoharie and Minden
Landform (hillside, terrace, etc.): Hillslope	Local re	elief (concave, convex, none): <u>None</u>	Slope %: 2-3
Subregion (LRR or MLRA): LRR L	Lat: 42.8924	Long:74.622	Datum: WGS84
Soil Map Unit Name: Madalin silty clay loam		NWI classification	n: PEM
Are climatic / hydrologic conditions on the site typical	al for this time of year?	Yes <u>X</u> No (If no	, explain in Remarks.)
Are Vegetation, Soil, or Hydrology _	significantly disturb	ed? Are "Normal Circumstances" pre	esent? Yes X No
Are Vegetation, Soil, or Hydrology _	naturally problemat	ic? (If needed, explain any answers	in Remarks.)
SUMMARY OF FINDINGS – Attach site	map showing samp	oling point locations, transects, i	mportant features, etc.
Hydrophytic Vegetation Present? Yes	X No	Is the Sampled Area	
Hydric Soil Present? Yes	X No	within a Wetland? Yes X	No
Wetland Hydrology Present? Yes	X No	If yes, optional Wetland Site ID:	
Remarks: (Explain alternative procedures here or i	n a separate report.)		

Wetland Hydrology Indicators:			Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is require	ed; 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)
X Saturation (A3)	Marl Deposits (B15)		Dry-Season Water Table (C2)
Water Marks (B1)	Hydrogen Sulfide Odor (C1)		Crayfish Burrows (C8)
Sediment Deposits (B2)	Oxidized Rhizospheres on Living Ro	oots (C3)	Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3)	Presence of Reduced Iron (C4)		Stunted or Stressed Plants (D1)
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soils	s (C6)	Geomorphic Position (D2)
Iron Deposits (B5)	Thin Muck Surface (C7)		Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7)) Other (Explain in Remarks)		Microtopographic Relief (D4)
Sparsely Vegetated Concave Surface (B	8)		X FAC-Neutral Test (D5)
Field Observations:			
Surface Water Present? Yes	No X Depth (inches):		
Water Table Present? Yes	No X Depth (inches):		
Saturation Present? Yes X	No Depth (inches): 0	Wetlan	d Hydrology Present? Yes X No
Saturation Present? Yes X (includes capillary fringe)	No Depth (inches): 0	Wetlan	d Hydrology Present? Yes X No
			· · · ·
(includes capillary fringe)			· · · ·
(includes capillary fringe) Describe Recorded Data (stream gauge, mor			· · · ·
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(includes capillary fringe) Describe Recorded Data (stream gauge, mor			· · · ·

Sampling Point: 1wet@wetH

<u>Tree Stratum</u> (Plot size: <u>30</u>)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. 2.				Number of Dominant Species That Are OBL, FACW, or FAC:(A)
3				Total Number of Dominant Species Across All Strata: 1 (B)
5 6				Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100.0%</u> (A/B)
7				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15)				OBL species <u>5</u> x 1 = <u>5</u>
1				FACW species 100 x 2 = 200
2				FAC species 0 x 3 = 0
3				FACU species 0 x 4 = 0
4				UPL species 0 x 5 = 0
5				Column Totals: 105 (A) 205 (B)
6				Prevalence Index = B/A =1.95
7				Hydrophytic Vegetation Indicators:
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 15)				X 2 - Dominance Test is >50%
1. Phalaris arundinacea	90	Yes	FACW	X 3 - Prevalence Index is ≤3.0 ¹
2. Epilobium sp.	10	No	FACW	4 - Morphological Adaptations ¹ (Provide supporting
3. Typha latifolia	5	No	OBL	data in Remarks or on a separate sheet)
4.				Problematic Hydrophytic Vegetation ¹ (Explain)
5.				¹ Indicators of hydric soil and wetland hydrology must
6.				be present, unless disturbed or problematic.
7.				Definitions of Vegetation Strata:
8 9				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
10 11				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
12	105	=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size:30) 1.				Woody vines – All woody vines greater than 3.28 ft in height.
2.				Hydrophytic
3				Vegetation
4				Present? Yes X No
		=Total Cover		
Remarks: (Include photo numbers here or on a sepa	rate sheet.)			

SOIL

Profile Desc	ription: (Describe	to the de	pth needed to docu	ument tl	he indica	ator or co	onfirm the absence of indic	ators.)
Depth	Matrix		Redox	k Featur	es			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-10	10YR 3/2	95	7.5YR 4/6	5	С	М	Loamy/Clayey	Silty Clay Loam
10-16	10YR 2/1	85	7.5YR 4/6	15	С	М	Loamy/Clayey	Silty Clay Loam
		—						
¹ Type: C=Co	oncentration. D=Depl	etion. R	/I=Reduced Matrix, M	1S=Mas	ked Sano	d Grains.	² Location: PL=Pore	e Lining. M=Matrix.
Hydric Soil I		,	,					blematic Hydric Soils ³ :
Histosol			Polyvalue Belo	w Surfa	ce (S8) (LRR R,	2 cm Muck (A1	0) (LRR K, L, MLRA 149B)
Histic Ep	ipedon (A2)		MLRA 149B)			Coast Prairie R	Redox (A16) (LRR K, L, R)
Black His	stic (A3)		Thin Dark Surfa	ace (S9)) (LRR R	, MLRA 1	149B) 5 cm Mucky Pe	eat or Peat (S3) (LRR K, L, R)
Hydroge	n Sulfide (A4)		High Chroma S	Sands (S	611) (LR I	R K, L)	Polyvalue Belo	w Surface (S8) (LRR K, L)
Stratified	Layers (A5)		Loamy Mucky I	Mineral	(F1) (LR	R K, L)	Thin Dark Surfa	ace (S9) (LRR K, L)
Depleted	Below Dark Surface	e (A11)	Loamy Gleyed	Matrix (F2)		Iron-Manganes	e Masses (F12) (LRR K, L, R)
Thick Da	rk Surface (A12)		Depleted Matrix	x (F3)			Piedmont Floor	dplain Soils (F19) (MLRA 149B)
Sandy M	ucky Mineral (S1)		X Redox Dark Su	ırface (F	6)		Mesic Spodic (TA6) (MLRA 144A, 145, 149B)
Sandy G	leyed Matrix (S4)		Depleted Dark	Surface	(F7)		Red Parent Ma	terial (F21)
	edox (S5)		Redox Depress	sions (F	8)		Very Shallow D	oark Surface (F22)
	Matrix (S6)		Marl (F10) (LR	R K, L)			Other (Explain	in Remarks)
Dark Sur	face (S7)							
3								
		ion and v	vetland hydrology mu	ist be pr	resent, u	niess dist	urbed or problematic.	
Type:	ayer (if observed): N/A							
Depth (ir		`					Hydric Soil Present?	Vac X No
							Hyunc Son Fresent?	Yes X No
Remarks:	m in rovined from No	rthoontro	l and Northaast Pagi	onal Su	nnlomon	t Vorsion	2.0 to include the NPCS Field	ld Indiactors of Hydria Sails
			usda.gov/Internet/FS				2.0 to include the NRCS Fiel 2p2 051293.docx)	in indicators of Hydric Solis,

Project/Site: Mohawk Solar	City/County: Montgomery County Sampling Date: 10/20/17
Applicant/Owner: Mohawk Solar LLC	State: NY Sampling Point: 1Up@WetH
Investigator(s): John Wojcikiewicz, Shelby Zemken	Section, Township, Range: Town of Canajoharie and Minden
Landform (hillside, terrace, etc.): Hillslope Loc	cal relief (concave, convex, none): <u>None</u> Slope %: <u>1</u>
Subregion (LRR or MLRA): LRR L Lat: 42.8926	Long: -74.6225 Datum: WGS84
Soil Map Unit Name: Madalin silty clay loam	NWI classification: N/A
Are climatic / hydrologic conditions on the site typical for this time of year	? Yes X No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrologysignificantly dis	turbed? Are "Normal Circumstances" present? Yes X No
Are Vegetation, Soil, or Hydrologynaturally proble	matic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing sa	impling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes X	No	Is the Sampled Area within a Wetland? Yes No X If yes, optional Wetland Site ID:
Hydric Soil Present?	Yes	No _X	
Wetland Hydrology Present?	Yes	No _X	
Remarks: (Explain alternative procedures	here or in a s	eparate report.)	

Wetland Hydrology Indicators:			Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is requir	red; 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)	Oxidized Rhizospheres on Living Ro	ots (C3)	Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3)	Presence of Reduced Iron (C4)	-	Stunted or Stressed Plants (D1)
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soils	s (C6)	Geomorphic Position (D2)
Iron Deposits (B5)	Thin Muck Surface (C7)	-	Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7	7) Other (Explain in Remarks)	_	Microtopographic Relief (D4)
Sparsely Vegetated Concave Surface (E	38)	-	X FAC-Neutral Test (D5)
Field Observations:			
Surface Water Present? Yes	No X Depth (inches):		
Water Table Present? Yes	No X Depth (inches):		
Saturation Present? Yes	No X Depth (inches):	Wetland	I Hydrology Present? Yes No X
Saturation Present? Yes (includes capillary fringe)	No X Depth (inches):	Wetland	I Hydrology Present? Yes No X
(includes capillary fringe)			
(includes capillary fringe)			
(includes capillary fringe) Describe Recorded Data (stream gauge, mo			
(includes capillary fringe) Describe Recorded Data (stream gauge, mo			
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(includes capillary fringe) Describe Recorded Data (stream gauge, mo			
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(includes capillary fringe) Describe Recorded Data (stream gauge, mo			

Sampling Point: 1Up@WetH

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
/		opecies ?	Sidius	
1				Number of Dominant Species
2				That Are OBL, FACW, or FAC:(A)
3.				Total Number of Dominant
4				Species Across All Strata: 1 (B)
5				Percent of Dominant Species
6				That Are OBL, FACW, or FAC: 100.0% (A/B)
7				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15)				OBL species x 1 =
1				FACW species 82 x 2 = 164
2				FAC species 0 x 3 = 0
3				FACU species <u>12</u> x 4 = <u>48</u>
4				UPL species 10 x 5 = 50
5				Column Totals: 104 (A) 262 (B)
6				Prevalence Index = B/A = 2.52
7.				Hydrophytic Vegetation Indicators:
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 15)				X 2 - Dominance Test is >50%
1. Phalaris arundinacea	80	Yes	FACW	3 - Prevalence Index is ≤3.0 ¹
2. Vicia cracca	10	No	UPL	4 - Morphological Adaptations ¹ (Provide supporting
3. Solidago sp.	10	No	FACU	data in Remarks or on a separate sheet)
4. Rosa multiflora	2	No	FACU	Problematic Hydrophytic Vegetation ¹ (Explain)
5. Cornus amomum	2	No	FACW	
6.				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
				Definitions of Vegetation Strata:
o				Demittions of Vegetation Strata.
				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
9				diameter at breast height (DDH), regardless of height.
10				Sapling/shrub – Woody plants less than 3 in. DBH
11				and greater than or equal to 3.28 ft (1 m) tall.
12				Herb – All herbaceous (non-woody) plants, regardless
	104	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30)				Woody vines – All woody vines greater than 3.28 ft in
1				height.
2				Hydrophytic
3				Vegetation
4				Present? Yes X No
		=Total Cover		
Remarks: (Include photo numbers here or on a sepa	rate sheet.)			

Profile Descri	ption: (Describe t	to the de	epth needed to docu	ıment tl	he indica	tor or co	onfirm the absence of ir	ndicators.)	
Depth	Matrix		Redox	k Featur	es				
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks	3
0-16	10YR 3/2	97	7.5YR 4/6	3	С	М	Loamy/Clayey	Silty Clay Lo	oam
· ·									
·									
17 0.0						<u> </u>	21 11 51		
		etion, RI	M=Reduced Matrix, M	IS=Mas	ked Sand	Grains.		Pore Lining, M=Matri	
Hydric Soil In				o (Problematic Hydric	
Histosol (A			Polyvalue Belo		ce (S8) (I	LRR R,		(A10) (LRR K, L, MI	-
	edon (A2)		MLRA 149B					ie Redox (A16) (LRR	-
Black Hist			Thin Dark Surfa		-			y Peat or Peat (S3) (I	
	Sulfide (A4)		High Chroma S					Below Surface (S8) (I	-
	₋ayers (A5)		Loamy Mucky I			R K, L)		Surface (S9) (LRR K,	
	Below Dark Surface	e (A11)	Loamy Gleyed		F2)			anese Masses (F12) (
	surface (A12)		Depleted Matrix					Floodplain Soils (F19)	
	cky Mineral (S1)		Redox Dark Su	•	,			dic (TA6) (MLRA 144	A, 145, 149B)
	yed Matrix (S4)		Depleted Dark					t Material (F21)	
Sandy Red			Redox Depress	•	8)			w Dark Surface (F22	2)
Stripped M	latrix (S6)		Marl (F10) (LR	R K, L)			Other (Exp	lain in Remarks)	
Dark Surfa	ace (S7)								
³ Indicators of h	ydrophytic vegetati	ion and v	wetland hydrology mu	ist be pr	resent, ur	nless dist	urbed or problematic.		
Restrictive La	yer (if observed):								
Туре:	N/A	۱							
Depth (inc	hes):						Hydric Soil Present?	Yes	No X
Remarks:									
	is revised from No	rthcentra	al and Northeast Regi	onal Su	nplement	Version	2.0 to include the NRCS	Field Indicators of H	vdric Soils
			.usda.gov/Internet/FS						,,
			0	_			,		

Project/Site: Mohawk Solar	City/County: Montgomery County Sampling Date: 6/14/2018
Applicant/Owner: Mohawk Solar LLC	State: NY Sampling Point: 1Wet@WetII
Investigator(s): John Wojicikiewicz, Shelby Zemken	Section, Township, Range: Town of Canajoharie and Minden
Landform (hillside, terrace, etc.): Gentle hillslope	Local relief (concave, convex, none): Concave Slope %: 2
Subregion (LRR or MLRA): LRR L Lat: 42.	.889191 Long: -74.653285 Datum: WGS84
Soil Map Unit Name: Llion silt loam, 0 to 3 percent slopes	NWI classification: PEM
Are climatic / hydrologic conditions on the site typical for this	time of year? Yes X No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrologysig	nificantly disturbed? Are "Normal Circumstances" present? Yes X No
Are Vegetation, Soil, or Hydrologynat	turally problematic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map sh	howing sampling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes X N	No Is the Sampled Area
Hydric Soil Present? Yes X	No within a Wetland? Yes X No
Wetland Hydrology Present? Yes X	No If yes, optional Wetland Site ID:
Remarks: (Explain alternative procedures here or in a sepa	arate report.)

Wetland Hydrology Indicators:			Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is requir	ed; check all that apply)		X Surface Soil Cracks (B6)
Surface Water (A1)	X Water-Stained Leaves (B9)		X Drainage Patterns (B10)
High Water Table (A2)	Aquatic Fauna (B13)		Moss Trim Lines (B16)
X Saturation (A3)	Marl Deposits (B15)		Dry-Season Water Table (C2)
Water Marks (B1)	Hydrogen Sulfide Odor (C1)		Crayfish Burrows (C8)
Sediment Deposits (B2)	Oxidized Rhizospheres on Living Ro	oots (C3)	Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3)	Presence of Reduced Iron (C4)		Stunted or Stressed Plants (D1)
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soils	s (C6)	Geomorphic Position (D2)
Iron Deposits (B5)	Thin Muck Surface (C7)		Shallow Aquitard (D3)
X Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks)		Microtopographic Relief (D4)
Sparsely Vegetated Concave Surface (B	8)		FAC-Neutral Test (D5)
Field Observations:			
Surface Water Present? Yes	No X Depth (inches):		
Water Table Present? Yes	No X Depth (inches):		
Saturation Present? Yes X	No Depth (inches): 0	Wetlan	nd Hydrology Present? Yes X No
		Wetlan	nd Hydrology Present? Yes X No
Saturation Present? Yes X	No Depth (inches): 0		
Saturation Present? Yes X (includes capillary fringe)	No Depth (inches): 0		
Saturation Present? Yes X (includes capillary fringe)	No Depth (inches): 0		
Saturation Present? Yes X (includes capillary fringe)	No Depth (inches): 0		
Saturation Present? Yes X (includes capillary fringe)	No Depth (inches): 0		
Saturation Present? Yes X (includes capillary fringe)	No Depth (inches): 0		
Saturation Present? Yes X (includes capillary fringe)	No Depth (inches): 0		
Saturation Present? Yes X (includes capillary fringe)	No Depth (inches): 0		
Saturation Present? Yes X (includes capillary fringe)	No Depth (inches): 0		
Saturation Present? Yes X (includes capillary fringe)	No Depth (inches): 0		
Saturation Present? Yes X (includes capillary fringe)	No Depth (inches): 0		
Saturation Present? Yes X (includes capillary fringe)	No Depth (inches): 0		

Sampling Point: 1Wet@WetII

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. 2.				Number of Dominant Species That Are OBL, FACW, or FAC:1 (A)
3 4				Total Number of Dominant Species Across All Strata: 1 (B)
5. 6.				Percent of Dominant Species That Are OBL, FACW, or FAC:100.0% (A/B)
7				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15)				OBL species 20 x 1 = 20
				FACW species 70 x 2 = 140
2				FAC species $10 \times 3 = 30$
				FACU species $0 x4 = 0$
4				UPL species 0 $x 5 = 0$
5				Column Totals: 100 (A) 190 (B)
6				Prevalence Index = B/A =1.90
7				Hydrophytic Vegetation Indicators:
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5)				X 2 - Dominance Test is >50%
1. Phalaris arundinacea	70	Yes	FACW	X_3 - Prevalence Index is ≤3.0 ¹
2. Typha latifolia	10	No	OBL	4 - Morphological Adaptations ¹ (Provide supporting
3. Carex vulpinoidea	10	No	OBL	data in Remarks or on a separate sheet)
4. Solidago sp.	10	No	FAC	Problematic Hydrophytic Vegetation ¹ (Explain)
				¹ Indicators of hydric soil and wetland hydrology must
6				be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8 9				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
10				Sapling/shrub – Woody plants less than 3 in. DBH
11				and greater than or equal to 3.28 ft (1 m) tall.
12				Herb – All herbaceous (non-woody) plants, regardless
	100	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size:30) 1.				Woody vines – All woody vines greater than 3.28 ft in height.
2.				
2				Hydrophytic
				Vegetation Present? Yes X No
4				Present? Yes X No
		=Total Cover		
Remarks: (Include photo numbers here or on a sepa	arate sheet.)			

SOIL

Profile Des	cription: (Describe	to the de	pth needed to doc	ument tl	he indica	tor or c	onfirm the absence of	indicators.)
Depth	Matrix			x Featur				
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-10	10YR 3/1	90	7.5YR 5/6	10	С	Μ	Loamy/Clayey	Silt Loam
10-18	10YR 5/2	90	7.5YR 5/6	10	С	Μ	Loamy/Clayey	Clay Silt Loam
¹ Type: C=C	oncentration, D=Dep	letion RM	I=Reduced Matrix	/S=Mas	ked Sand	Grains	² Location: PL	=Pore Lining, M=Matrix.
Black H Hydroge Stratifie Thick D Sandy M Sandy C Sandy F Stripped		e (A11)	Polyvalue Belo MLRA 149B Thin Dark Surf High Chroma S Loamy Mucky Loamy Gleyed X Depleted Matri X Redox Dark Su Depleted Dark Redox Depress Marl (F10) (LR) Sace (S9) Sands (S Mineral Matrix (Matrix (Surface (F Surface sions (F) (LRR R 511) (LRF (F1) (LRF (F1) (LRF F2) 56) 56)	, MLRA ′ R K, L)	2 cm Muc Coast Pra 5 cm Muc Polyvalue Thin Dark Iron-Mang Piedmont Mesic Spo Red Paren Very Shal	r Problematic Hydric Soils ³ : k (A10) (LRR K, L, MLRA 149B) iirie Redox (A16) (LRR K, L, R) ky Peat or Peat (S3) (LRR K, L, R) Below Surface (S8) (LRR K, L) Surface (S9) (LRR K, L) ganese Masses (F12) (LRR K, L, R) Floodplain Soils (F19) (MLRA 149B) odic (TA6) (MLRA 144A, 145, 149B) nt Material (F21) low Dark Surface (F22) plain in Remarks)
			etland hydrology mu	ust be pr	resent, ur	nless dist	urbed or problematic.	
Type: Depth (i	Layer (if observed): N// nches):						Hydric Soil Present	? Yes <u>X</u> No
	rm is revised from No 2015 Errata. (http://v							S Field Indicators of Hydric Soils,

Project/Site: Mohawk Solar	City/County: Montgomery County Sampling Date: 6/13/2018
Applicant/Owner: Mohawk Solar LLC	State: NY Sampling Point: 1Up@Wetll
Investigator(s): John Wojicikiewicz, Shelby Zemken	Section, Township, Range: Town of Canajoharie and Minden
Landform (hillside, terrace, etc.): Hillslope Loca	al relief (concave, convex, none): <u>Convex</u> Slope %: <u>4</u>
Subregion (LRR or MLRA): LRR L Lat: 42.889381	Long: -74.653308 Datum: WGS84
Soil Map Unit Name: Llion silt loam, 0 to 3 percent slopes	NWI classification: N/A
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes X No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrologysignificantly dist	urbed? Are "Normal Circumstances" present? Yes X No
Are Vegetation, Soil, or Hydrologynaturally problem	natic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing say	mpling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes	No X	Is the Sampled Area within a Wetland? Yes No X If yes, optional Wetland Site ID:
Hydric Soil Present?	Yes	No X	
Wetland Hydrology Present?	Yes	No X	
Remarks: (Explain alternative procedu	ires here or in a	separate report.)	

Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)	
Primary Indicators (minimum of one is requi	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)	Oxidized Rhizospheres on Living Roots	(C3) Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3)	Presence of Reduced Iron (C4)	Stunted or Stressed Plants (D1)
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soils (C6	6) Geomorphic Position (D2)
Iron Deposits (B5)	Thin Muck Surface (C7)	Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B	7) Other (Explain in Remarks)	Microtopographic Relief (D4)
Sparsely Vegetated Concave Surface (38)	FAC-Neutral Test (D5)
Field Observations:		
Surface Water Present? Yes	No X Depth (inches):	
Water Table Present? Yes	No X Depth (inches):	
Saturation Present? Yes	No X Depth (inches): W	/etland Hydrology Present? Yes No X
(includes capillary fringe)		
Describe Recorded Data (stream gauge, mo	onitoring well, aerial photos, previous inspectior	ns), if available:
Descertas		
Remarks:		

Sampling Point: 1Up@WetII

<u>Tree Stratum</u> (Plot size: <u>30</u>)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. 2.				Number of Dominant Species That Are OBL, FACW, or FAC:1 (A)
3 4				Total Number of Dominant Species Across All Strata:4(B)
5. 6.				Percent of Dominant Species That Are OBL, FACW, or FAC:
7				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 30)				OBL species 0 x 1 = 0
1				FACW species 10 x 2 = 20
2.				FAC species 0 x 3 = 0
3.				FACU species 30 x 4 = 120
4.				UPL species 10 x 5 = 50
5.				Column Totals: 50 (A) 190 (B)
6.				Prevalence Index = B/A = 3.80
7.				Hydrophytic Vegetation Indicators:
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 30)				2 - Dominance Test is >50%
1. Galium mollugo	20	Yes	FACU	3 - Prevalence Index is ≤3.0 ¹
2. Phalaris arundinacea	10	Yes	FACW	4 - Morphological Adaptations ¹ (Provide supporting
3. Trifolium repens	10	Yes	FACU	data in Remarks or on a separate sheet)
4. Vicia cracca	10	Yes	UPL	Problematic Hydrophytic Vegetation ¹ (Explain)
5.				¹ Indicators of hydric soil and wetland hydrology must
6.				be present, unless disturbed or problematic.
7.				Definitions of Vegetation Strata:
8				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
10 11				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
12.				Herb – All herbaceous (non-woody) plants, regardless
	50	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30) 1.				Woody vines – All woody vines greater than 3.28 ft in height.
2			·	Hydrophytic
3				Vegetation
4			. <u> </u>	Present? Yes <u>No X</u>
		=Total Cover		
Remarks: (Include photo numbers here or on a sepa	rate sheet.)			

Profile Des Depth	Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.) Matrix Redox Features								
(inches)	Color (moist)	%	Color (moist)	x reatur	Type ¹	Loc ²	Texture	Remark	s
0-18	10YR 4/3	100		70	Турс		Loamy/Clayey	Silt Loam w/ son	
0-10	1011(4/3	100			· <u> </u>		Loamy/Clayey	Silt Loan w/ son	le glavel
					·				
					. <u> </u>				
						<u> </u>			
					. <u> </u>				
					·	. <u> </u>			
					·	·			
¹ Type: C=C	Concentration, D=Depl	etion, RN	I=Reduced Matrix, N	/IS=Mas	ked Sand	Grains.	² Location: PL	=Pore Lining, M=Matr	ix.
Hydric Soil	Indicators:						Indicators for	r Problematic Hydric	Soils ³ :
Histoso			Polyvalue Belo	ow Surfa	ice (S8) (I	LRR R,	2 cm Muc	k (A10) (LRR K, L, M	LRA 149B)
Histic E	pipedon (A2)		MLRA 149B	,				airie Redox (A16) (LRF	₹ K, L, R)
Black H	listic (A3)		Thin Dark Surf	ace (S9) (LRR R	, MLRA 1	149B) 5 cm Muc	ky Peat or Peat (S3) (LRR K, L, R)
Hydroge	en Sulfide (A4)		High Chroma S	Sands (S	S11) (LRF	R K, L)	Polyvalue	Below Surface (S8) (LRR K, L)
Stratifie	d Layers (A5)		Loamy Mucky	Mineral	(F1) (LRI	R K, L)	Thin Dark	Surface (S9) (LRR K	, L)
Deplete	d Below Dark Surface	e (A11)	Loamy Gleyed	Matrix ((F2)		Iron-Mang	ganese Masses (F12)	(LRR K, L, R)
Thick D	ark Surface (A12)		Depleted Matri	x (F3)			Piedmont	Floodplain Soils (F19) (MLRA 149B)
	Mucky Mineral (S1)		Redox Dark Su	•	'			odic (TA6) (MLRA 14 4	IA, 145, 149B)
	Gleyed Matrix (S4)		Depleted Dark					nt Material (F21)	
	Redox (S5)		Redox Depres	``	,			llow Dark Surface (F22	2)
	d Matrix (S6)		Marl (F10) (LR	R K, L)			Other (Ex	plain in Remarks)	
Dark Su	urface (S7)								
³ Indicatoro	of hydrophytic vegetat	ion ond u	etland hydrology m	uct ho n	rocont ur	aloon diat	urbod or problematic		
	Layer (if observed):		eliand hydrology m	usi be p	ieseni, ui				
Type:	N/A								
	inches):						Hydric Soil Present	t? Yes	No X
Remarks:									
	rm is revised from No	rthcentra	l and Northeast Red	ional Si	Innlemen	t Version	2.0 to include the NRC	S Field Indicators of H	lydric Soils
	, 2015 Errata. (http://w								<i>y</i> and <i>c</i> and,

Project/Site: Mohawk Solar			City/County: Montgomery County	Sampling Date: 10/20/17		
Applicant/Owner: Mohaw	k Solar LLC		State: NY	Sampling Point: <u>1wet@wetJ</u>		
Investigator(s): John Wojcikie	wicz, Shelby Zemken		Section, Township, Range: Town of	Canajoharie and Minden		
Landform (hillside, terrace, etc	.): Hillslope	Local	relief (concave, convex, none): Concave	Slope %: 3		
Subregion (LRR or MLRA):	<u>_RR L</u> La	at: 42.8953	Long:74.6349	Datum: WGS84		
Soil Map Unit Name: Church	ville silty loam, 3 to 8 pe	rcent slopes	NWI classification:	PEM		
Are climatic / hydrologic condit	tions on the site typical f	or this time of year?	Yes X No (If no, e	explain in Remarks.)		
Are Vegetation, Soil	, or Hydrology	significantly distu	rbed? Are "Normal Circumstances" prese	ent? Yes <u>X</u> No		
Are Vegetation, Soil	, or Hydrology	naturally problem	atic? (If needed, explain any answers in	Remarks.)		
SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.						
Hydrophytic Vegetation Prese	ent? Yes	K No	Is the Sampled Area			
Hydric Soil Present?	Yes >	K No	within a Wetland? Yes X	No		
Wetland Hydrology Present?	Yes >	K No	If yes, optional Wetland Site ID:			

Remarks: (Explain alternative procedures here or in a separate report.)

Wetland Hydrology Indicators:	Wetland Hydrology Indicators:					
Primary Indicators (minimum of one is requir	Surface Soil Cracks (B6)					
X Surface Water (A1)	Water-Stained Leaves (B9)		Drainage Patterns (B10)			
High Water Table (A2)	Aquatic Fauna (B13)		Moss Trim Lines (B16)			
X Saturation (A3)	Marl Deposits (B15)		Dry-Season Water Table (C2)			
Water Marks (B1)	Hydrogen Sulfide Odor (C1)		Crayfish Burrows (C8)			
Sediment Deposits (B2)	Oxidized Rhizospheres on Living Ro	oots (C3)	Saturation Visible on Aerial Imagery (C9)			
Drift Deposits (B3)	Presence of Reduced Iron (C4)		Stunted or Stressed Plants (D1)			
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soils	s (C6)	Geomorphic Position (D2)			
Iron Deposits (B5)	Thin Muck Surface (C7)		Shallow Aquitard (D3)			
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks)		Microtopographic Relief (D4)			
Sparsely Vegetated Concave Surface (B	8)		FAC-Neutral Test (D5)			
Field Observations:						
Surface Water Present? Yes X	No Depth (inches): 2					
Water Table Present? Yes	No X Depth (inches):					
Saturation Present? Yes X	No Depth (inches): 0	Wetlan	d Hydrology Present? Yes X No			
Saturation Present? Yes X (includes capillary fringe)	No Depth (inches): 00	Wetlan	d Hydrology Present? Yes X No			
(includes capillary fringe)						
(includes capillary fringe)						
(includes capillary fringe)						
(includes capillary fringe) Describe Recorded Data (stream gauge, mo						
(includes capillary fringe) Describe Recorded Data (stream gauge, mo						
(includes capillary fringe) Describe Recorded Data (stream gauge, mo						
(includes capillary fringe) Describe Recorded Data (stream gauge, mo						
(includes capillary fringe) Describe Recorded Data (stream gauge, mo						
(includes capillary fringe) Describe Recorded Data (stream gauge, mo						
(includes capillary fringe) Describe Recorded Data (stream gauge, mo						
(includes capillary fringe) Describe Recorded Data (stream gauge, mo						

Sampling Point: 1wet@wetJ

<u>Tree Stratum</u> (Plot size: <u>30</u>)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. 2.				Number of Dominant Species That Are OBL, FACW, or FAC:3(A)
3. 4.				Total Number of Dominant Species Across All Strata: <u>4</u> (B)
5 6				Percent of Dominant Species That Are OBL, FACW, or FAC:(A/B)
7.				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size:15)				OBL species 25 x 1 = 25
1. Cornus amomum	10	Yes	FACW	FACW species 45 x 2 = 90
2. Lonicera morrowii	10	Yes	FACU	FAC species 0 x 3 = 0
3.				FACU species 10 x 4 = 40
4				UPL species 0 x 5 = 0
5				Column Totals: 80 (A) 155 (B)
6.				Prevalence Index = B/A = 1.94
7.				Hydrophytic Vegetation Indicators:
	20	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 15)				X 2 - Dominance Test is >50%
1. Phalaris arundinacea	25	Yes	FACW	X 3 - Prevalence Index is ≤3.0 ¹
2. Typha latifolia	15	Yes	OBL	4 - Morphological Adaptations ¹ (Provide supporting
3. Epilobium sp.	10	No	FACW	data in Remarks or on a separate sheet)
4. Schoenoplectus tabernaemontani	10	No	OBL	Problematic Hydrophytic Vegetation ¹ (Explain)
5.				¹ Indicators of hydric soil and wetland hydrology must
6				be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8 9				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
10 11				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
12	60	=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size:30) 1.				Woody vines – All woody vines greater than 3.28 ft in height.
2.				
3.				Hydrophytic Vegetation
4.				Present? Yes X No
		=Total Cover		
Remarks: (Include photo numbers here or on a sepa	rate sheet.)			•

	cription: (Describe t	o the de	-			ator or co	onfirm the absence o	f indicators.)
Depth	Matrix			x Featur		2	_	
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-16	10YR 2/2	80	7.5YR 4/6	20	С	М	Loamy/Clayey	Clay Silt Loam
							······································	
							·	
							· ·	
							·	
							·	
	oncentration, D=Depl	etion, RN	A=Reduced Matrix, N	/IS=Mas	ked Sand	d Grains.		PL=Pore Lining, M=Matrix.
Hydric Soil								or Problematic Hydric Soils ³ :
Histosol			Polyvalue Belo		ice (S8) (I	LRR R,		uck (A10) (LRR K, L, MLRA 149B)
	pipedon (A2)		MLRA 149B	,				rairie Redox (A16) (LRR K, L, R)
	istic (A3)		Thin Dark Surf					ucky Peat or Peat (S3) (LRR K, L, R)
	en Sulfide (A4)		High Chroma S					le Below Surface (S8) (LRR K, L)
	d Layers (A5)	()	Loamy Mucky			κκ, L)		rk Surface (S9) (LRR K, L)
	d Below Dark Surface	(A11)	Loamy Gleyed		(F2)			nganese Masses (F12) (LRR K, L, R)
	ark Surface (A12)		Depleted Matri		-0)			nt Floodplain Soils (F19) (MLRA 149B)
	Aucky Mineral (S1)		X Redox Dark Su					podic (TA6) (MLRA 144A, 145, 149B)
	Bleyed Matrix (S4)		Depleted Dark					rent Material (F21)
	Redox (S5) I Matrix (S6)		Redox Depress	`	0)			allow Dark Surface (F22) Explain in Remarks)
	rface (S7)		Marl (F10) (LR	κ κ, ε)				
³ Indicators o	f hydrophytic vegetati	on and v	vetland hydrology mi	ist he ni	resent ur	nless dist	urbed or problematic.	
	Layer (if observed):		vetiana nyarology ma	ist be pi	resent, u	11033 0131		
Type:	N/A							
Depth (ii		-					Hydric Soil Preser	nt? Vos Y No
							Hydric Soli Freser	nt? Yes <u>X</u> No
Remarks:							0.0 to include the ND	
	2015 Errata. (http://w		0					CS Field Indicators of Hydric Soils,
			lacasi.get, internetit i				_p	
1								

Project/Site: Mohawk Solar	City/County: Montgomery County Sampling Date: 10/20/17
Applicant/Owner: Mohawk Solar LLC	State: NY Sampling Point: 10p@WetJ
Investigator(s): John Wojcikiewicz, Shelby Zemken	Section, Township, Range: Town of Canajoharie and Minden
Landform (hillside, terrace, etc.): Hillslope Loca	relief (concave, convex, none): None Slope %: 3
Subregion (LRR or MLRA): LRR L Lat: 42.8953	Long: <u>-74.6349</u> Datum: <u>WGS84</u>
Soil Map Unit Name: Churchville silty clay loam, 3 to 8 percent slopes	NWI classification: N/A
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes X No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrologysignificantly distu	rbed? Are "Normal Circumstances" present? Yes X No
Are Vegetation, Soil, or Hydrologynaturally problem	atic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing san	npling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes	No X	Is the Sampled Area within a Wetland? Yes No X If yes, optional Wetland Site ID:
Hydric Soil Present?	Yes	No X	
Wetland Hydrology Present?	Yes	No X	
Remarks: (Explain alternative procedu	ires here or in a	separate report.)	

Wetland Hydrology Indicators:		Secondary Indicators (minimum of two required)			
Primary Indicators (minimum of one is requi	nary Indicators (minimum of one is required; check all that apply) Surface Soi				
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)	Oxidized Rhizospheres on Living Roots (C	C3) Saturation Visible on Aerial Imagery (C9)			
Drift Deposits (B3)	Presence 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 Surface (C7)	Shallow Aquitard (D3)			
Inundation Visible on Aerial Imagery (B	7) Other (Explain in Remarks)	Microtopographic Relief (D4)			
Sparsely Vegetated Concave Surface (B8)	FAC-Neutral Test (D5)			
Field Observations:					
Surface Water Present? Yes	No X Depth (inches):				
Water Table Present? Yes	No X Depth (inches):				
Saturation Present? Yes	No X Depth (inches): We	etland Hydrology Present? Yes No X			
(includes capillary fringe)					
(includes capillary fringe)	ponitoring well, aerial photos, previous inspections				
(includes capillary fringe)					
(includes capillary fringe) Describe Recorded Data (stream gauge, mo					
(includes capillary fringe)					
(includes capillary fringe) Describe Recorded Data (stream gauge, mo					
(includes capillary fringe) Describe Recorded Data (stream gauge, mo					
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(includes capillary fringe) Describe Recorded Data (stream gauge, mo					
(includes capillary fringe) Describe Recorded Data (stream gauge, mo					
(includes capillary fringe) Describe Recorded Data (stream gauge, mo					

Sampling Point: 1Up@WetJ

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. 2.				Number of Dominant Species That Are OBL, FACW, or FAC:1 (A)
3 4				Total Number of Dominant Species Across All Strata:4(B)
5 6				Percent of Dominant Species That Are OBL, FACW, or FAC:
7				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15)				OBL species x 1 =
1				FACW species 0 x 2 = 0
2				FAC species 5 x 3 = 15
3.				FACU species 15 x 4 = 60
4				UPL species 5 x 5 = 25
5.				Column Totals: 25 (A) 100 (B)
6.				Prevalence Index = B/A = 4.00
7.				Hydrophytic Vegetation Indicators:
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 15)				2 - Dominance Test is >50%
1. Plantago lanceolata	10	Yes	FACU	3 - Prevalence Index is ≤3.0 ¹
2. Galium sp.	5	Yes	FAC	4 - Morphological Adaptations ¹ (Provide supporting
3. Trifolium repens	5	Yes	FACU	data in Remarks or on a separate sheet)
4. Vicia cracca	5	Yes	UPL	Problematic Hydrophytic Vegetation ¹ (Explain)
5.				
6.				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7.				Definitions of Vegetation Strata:
8.				Tree – Woody plants 3 in. (7.6 cm) or more in
9.				diameter at breast height (DBH), regardless of height.
10				Sapling/shrub – Woody plants less than 3 in. DBH
11				and greater than or equal to 3.28 ft (1 m) tall.
12	25	=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size:30) 1.				Woody vines – All woody vines greater than 3.28 ft in height.
2				
3				Hydrophytic Vegetation
4				Present? Yes No X
		=Total Cover		
Remarks: (Include photo numbers here or on a sepa	arate sheet.)			

Profile Desc	ription: (Describe	to the de	oth needed to doc	ument t	he indica	tor or co	onfirm the absence o	of indicators.)	
Depth	Matrix		Redo	x Featur	res				
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remark	s
0-16	10YR 3/2	100					Loamy/Clayey	Clay Silt L	oam
	10111(0)2						Loaniy/olayoy		
<u> </u>									
<u> </u>									
<u> </u>									
	ncentration, D=Depl	letion, RM	=Reduced Matrix, N	/IS=Mas	ked Sand	l Grains.		PL=Pore Lining, M=Mati	
Hydric Soil I								or Problematic Hydric	
Histosol			Polyvalue Belo		ice (S8) (I	LRR R,		uck (A10) (LRR K, L, M	
	ipedon (A2)		MLRA 149B	<i>,</i>				rairie Redox (A16) (LR I	
Black His			Thin Dark Surf					ucky Peat or Peat (S3)	
	n Sulfide (A4)		High Chroma S					ue Below Surface (S8) (
	Layers (A5)	(644)	Loamy Mucky			ΚΚ, L)		rk Surface (S9) (LRR K	
	Below Dark Surface rk Surface (A12)	e (A11)	Loamy Gleyed		(F2)			nganese Masses (F12)	
			Depleted Matri Redox Dark St		5			nt Floodplain Soils (F19	
	ucky Mineral (S1) leyed Matrix (S4)		Depleted Dark	•	,			podic (TA6) (MLRA 14 rent Material (F21)	+A, 145, 149D)
·	edox (S5)		Redox Depres		• •			allow Dark Surface (F2	2)
	Matrix (S6)		Marl (F10) (LR		0)			Explain in Remarks)	<i>_</i>)
	face (S7)			, ∟ /					
³ Indicators of	hydrophytic vegetat	ion and w	etland hydrology mi	ust be pi	resent, ur	nless dist	urbed or problematic.		
	ayer (if observed):		, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	•			·		
Type:	N/A	4							
Depth (in	ches):						Hydric Soil Prese	nt? Yes	No X
							,,		
Remarks: This data for	n is revised from No	rthcentral	and Northeast Reg	ional Su	Innlemen	Version	2.0 to include the NR	CS Field Indicators of H	lydric Soils
	2015 Errata. (http://w								lyano cono,

Project/Site: Mohawk Solar		City/County: Marshville, Montgomery Sampling Date: 8/1/18					
Applicant/Owner: Avantg	ırid			State:	NY	Sampling Poin	It: 1wet@wetJJ
Investigator(s): SZ, SB			Section, Tov	wnship, Range: To	own of Ca	anajoharie	
Landform (hillside, terrace, etc	c.): Hillslope	Local relie	f (concave, conve	x, none): <u>Concav</u>	е	Slop	e %: <u>0-2</u>
Subregion (LRR or MLRA):	LRR R, MLRA 144A Lat:	42.884187	Long:	-74.656974		Datum:	NAD 83
Soil Map Unit Name: Madalin	n silty clay loam			NWI classifie	cation: P	PEM	
Are climatic / hydrologic condi	itions on the site typical for	this time of year?	Yes X	No	(If no, exp	olain in Remark	(s.)
Are Vegetation, Soil	, or Hydrology	significantly disturbed	? Are "Norm	nal Circumstances	s" present	t? Yes X	No
Are Vegetation, Soil	, or Hydrology	naturally problematic?	(If needed	l, explain any ans	wers in R	lemarks.)	
SUMMARY OF FINDING	GS – Attach site map	showing sampli	ng point locat	ions, transec	ts, impo	ortant featu	ires, etc.
Hydrophytic Vegetation Pres	ent? Yes X	No	s the Sampled A	rea			
Hydric Soil Present?	Yes X	No	vithin a Wetland?	? Yes	X	No	
Wetland Hydrology Present?	Yes X	No I	f yes, optional We	tland Site ID:			
Remarks: (Explain alternativ	e procedures here or in a s	eparate report.)					

Wetland Hydrology Indicators:			Secondary Indicators (minimum of two required)		
Primary Indicators (minimum of one is require	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)	Oxidized Rhizospheres on Living Ro	oots (C3)	Saturation Visible on Aerial Imagery (C9)		
Drift Deposits (B3)	Presence of Reduced Iron (C4)		Stunted or Stressed Plants (D1)		
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soils	s (C6)	X Geomorphic Position (D2)		
Iron Deposits (B5)	Thin Muck Surface (C7)		Shallow Aquitard (D3)		
Inundation Visible on Aerial Imagery (B7)	Other (Explain in Remarks)		Microtopographic Relief (D4)		
Sparsely Vegetated Concave Surface (B	8)		X FAC-Neutral Test (D5)		
Field Observations:					
Surface Water Present? Yes	No X Depth (inches):				
Water Table Present? Yes	No X Depth (inches):				
Saturation Present? Yes	No X Depth (inches):	Wetlan	d Hydrology Present? Yes X No		
Saturation Present? Yes (includes capillary fringe)	No X Depth (inches):	Wetlan	d Hydrology Present? Yes <u>×</u> No		
	· · · · <u></u>		· · · · · · · · · · · · · · · · · · ·		
(includes capillary fringe)	· · · · <u></u>		· · · · · · · · · · · · · · · · · · ·		
(includes capillary fringe)	· · · · <u></u>		· · · · · · · · · · · · · · · · · · ·		
(includes capillary fringe) Describe Recorded Data (stream gauge, mor	· · · · <u></u>		· · · · · · · · · · · · · · · · · · ·		
(includes capillary fringe) Describe Recorded Data (stream gauge, mor	· · · · <u></u>		· · · · · · · · · · · · · · · · · · ·		
(includes capillary fringe) Describe Recorded Data (stream gauge, mor	· · · · <u></u>		· · · · · · · · · · · · · · · · · · ·		
(includes capillary fringe) Describe Recorded Data (stream gauge, mor	· · · · <u></u>		· · · · · · · · · · · · · · · · · · ·		
(includes capillary fringe) Describe Recorded Data (stream gauge, mor	· · · · <u></u>		· · · · · · · · · · · · · · · · · · ·		
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(includes capillary fringe) Describe Recorded Data (stream gauge, mor	· · · · <u></u>		· · · · · · · · · · · · · · · · · · ·		
(includes capillary fringe) Describe Recorded Data (stream gauge, mor	· · · · <u></u>		· · · · · · · · · · · · · · · · · · ·		

Sampling Point: 1wet@wetJJ

<u>Tree Stratum</u> (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
		<u> </u>		
2.				Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)
3.				
4.				Total Number of Dominant Species Across All Strata: 1 (B)
5.				Percent of Dominant Species
6.				That Are OBL, FACW, or FAC: 100.0% (A/B)
7				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15)				OBL species 10 x 1 = 10
1				FACW species 85 x 2 = 170
2				FAC species 0 x 3 = 0
3				FACU species 0 x 4 = 0
4				UPL species 0 x 5 = 0
5				Column Totals: 95 (A) 180 (B)
6				Prevalence Index = B/A =1.89
7				Hydrophytic Vegetation Indicators:
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5)				X 2 - Dominance Test is >50%
1. Phalaris arundinacea	75	Yes	FACW	X_3 - Prevalence Index is ≤3.0 ¹
2. Onoclea sensibilis	10	No	FACW	4 - Morphological Adaptations ¹ (Provide supporting
3. Carex vulpinoidea	10	No	OBL	data in Remarks or on a separate sheet)
4				Problematic Hydrophytic Vegetation ¹ (Explain)
5				¹ Indicators of hydric soil and wetland hydrology must
6				be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8				Tree – Woody plants 3 in. (7.6 cm) or more in
9				diameter at breast height (DBH), regardless of height.
10				Sapling/shrub – Woody plants less than 3 in. DBH
11				and greater than or equal to 3.28 ft (1 m) tall.
12				Herb – All herbaceous (non-woody) plants, regardless
	95	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30)				Woody vines – All woody vines greater than 3.28 ft in
1				height.
2				Hydrophytic
3				Vegetation
4				Present?
		=Total Cover		
Remarks: (Include photo numbers here or on a sepa	rate sheet.)			

Profile Desc	ription: (Describe	to the de	epth needed to docu	ument t	he indica	ator or co	onfirm the absence o	f indicators.)
Depth	Matrix			x Featur				
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-16	10YR 3/1	90	7.5YR 5/8	10	С	М	Loamy/Clayey	Prominent redox concentrations
			·				·	
							·	
			·				·	
	ncontration D-Don	otion P	M=Reduced Matrix, M	-Mac	kod Sand	Graine	² Location: D	L=Pore Lining, M=Matrix.
Hydric Soil I				10-11183	Keu Gano	i Oranis.		or Problematic Hydric Soils ³ :
Histosol			Polyvalue Belo	w Surfa	ce (S8) (I			ick (A10) (LRR K, L, MLRA 149B)
	ipedon (A2)		MLRA 149B		() (-	,		rairie Redox (A16) (LRR K, L, R)
Black His			Thin Dark Surfa	,) (LRR R	, MLRA 1		icky Peat or Peat (S3) (LRR K, L, R)
	n Sulfide (A4)		High Chroma S					e Below Surface (S8) (LRR K, L)
Stratified	Layers (A5)		Loamy Mucky I	Mineral	(F1) (LRI	R K, L)	Thin Dar	rk Surface (S9) (LRR K, L)
Depleted	Below Dark Surface	e (A11)	Loamy Gleyed	Matrix (F2)		Iron-Mar	nganese Masses (F12) (LRR K, L, R)
Thick Da	rk Surface (A12)		Depleted Matrix	x (F3)			Piedmor	nt Floodplain Soils (F19) (MLRA 149B)
Sandy M	ucky Mineral (S1)		X Redox Dark Su	-			Mesic S	podic (TA6) (MLRA 144A, 145, 149B)
	leyed Matrix (S4)		Depleted Dark					ent Material (F21)
	edox (S5)		Redox Depress	``	8)			allow Dark Surface (F22)
	Matrix (S6)		Marl (F10) (LR	R K, L)			Other (E	xplain in Remarks)
Dark Sur	face (S7)							
3								
		ion and V	wetiand hydrology mu	ist be pi	resent, ur	ness dist	urbed or problematic.	
Type:	ayer (if observed): N/A							
		1						nt? Yes X No
Depth (in	iches):						Hydric Soil Preser	nt? Yes <u>X</u> No
Remarks:								
			al and Northeast Regi .usda.gov/Internet/FS					CS Field Indicators of Hydric Soils,
version 7.0, 2	2015 Effata. (http://w	/ww.mcs	.usua.gov/internet/F3			3/11/05/14	2p2_051295.00cx)	

Project/Site: Mohaw	k Solar			City/Co	ounty: <u>Marshvi</u>	lle, Montgomer	у	Sampling Date	: 6/14	/2018
Applicant/Owner:	Avantgrid					State:	NY	Sampling Po	int: 10	Jp@wetJJ
Investigator(s): SZ, S	зв				Section, Tow	vnship, Range:	Town of	f Canajoharie		
Landform (hillside, ter	race, etc.):	Hillslope		Local relief (co	ncave, conve	x, none): <u>Conve</u>	эх	Slo	pe %:	0-5
Subregion (LRR or ML	_RA): <u>LRR</u>	R, MLRA 144A	Lat: 42.884245	5	Long:	-74.657194		Datum:	NAC) 83
Soil Map Unit Name:	Madalin silty	y clay loam				NWI class	ification	: <u>N/A</u>		
Are climatic / hydrolog	jic conditions	on the site typic	al for this time of	f year?	Yes X	No	(If no,	explain in Rema	rks.)	
Are Vegetation	, Soil	, or Hydrology	significant	ly disturbed?	Are "Norm	al Circumstand	es" pres	sent? Yes X	No	
Are Vegetation	, Soil	, or Hydrology	naturally p	problematic?	(If needed	l, explain any ai	nswers i	n Remarks.)		
SUMMARY OF F	INDINGS -	- Attach site	map showin	g sampling	point locat	ions, transe	cts, in	nportant feat	ures,	etc.
Hydrophytic Vegetati	on Present?	Yes	No	ls th	e Sampled Ar	ea				
Hydric Soil Present?		Yes	No	with	n a Wetland?	Yes	s	No X		
Wetland Hydrology F	'resent?	Yes	No	If yes	s, optional We	tland Site ID:				
Remarks: (Explain a	Iternative pro	cedures here or	in a separate rep	port.)						

Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)				
Primary Indicators (minimum of one is require	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)	Oxidized Rhizospheres on Living Ro	ots (C3)	Saturation Visible on Aerial Imagery (C9)		
Drift Deposits (B3)	Presence 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 Surface (C7)	_	Shallow Aquitard (D3)		
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks)	_	Microtopographic Relief (D4)		
Sparsely Vegetated Concave Surface (B	8)		FAC-Neutral Test (D5)		
Field Observations:					
Surface Water Present? Yes	No X Depth (inches):				
Water Table Present? Yes	No X Depth (inches):				
Saturation Present? Yes	No X Depth (inches):	Wetland	Hydrology Present? Yes No X		
(includes capillary fringe)					
Describe Recorded Data (stream gauge, mor	nitoring well, aerial photos, previous inspec	ctions), if a	vailable:		
Describe Recorded Data (stream gauge, mor	nitoring well, aerial photos, previous inspec	ctions), if a	vailable:		
Describe Recorded Data (stream gauge, mo	nitoring well, aerial photos, previous inspec	ctions), if a	vailable:		
Describe Recorded Data (stream gauge, mor Remarks:	nitoring well, aerial photos, previous inspec	ctions), if a	vailable:		
	nitoring well, aerial photos, previous inspec	ctions), if a	vailable:		
	nitoring well, aerial photos, previous inspec	ctions), if a	vailable:		
	nitoring well, aerial photos, previous inspec	tions), if a	vailable:		
	nitoring well, aerial photos, previous inspec	xtions), if a	vailable:		
	nitoring well, aerial photos, previous inspec	xtions), if a	vailable:		
	nitoring well, aerial photos, previous inspec	xtions), if a	vailable:		
	nitoring well, aerial photos, previous inspec	xtions), if a	vailable:		
	nitoring well, aerial photos, previous inspec	xtions), if a	vailable:		

Sampling Point: 1Up@wetJJ

<u>Tree Stratum</u> (Plot size: <u>30</u>)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. 2.				Number of Dominant Species That Are OBL, FACW, or FAC:(A)
3 4				Total Number of Dominant Species Across All Strata: <u>2</u> (B)
5 6				Percent of Dominant Species That Are OBL, FACW, or FAC: <u>50.0%</u> (A/B)
7				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15)				OBL species 0 x 1 = 0
1				FACW species 0 x 2 = 0
2				FAC species 50 x 3 = 150
3				FACU species 70 x 4 = 280
4				UPL species15x 5 =75
5				Column Totals: 135 (A) 505 (B)
6.				Prevalence Index = B/A = 3.74
7.				Hydrophytic Vegetation Indicators:
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5)				2 - Dominance Test is >50%
1. Solidago sp.	50	Yes	FAC	3 - Prevalence Index is ≤3.0 ¹
2. Rubus allegheniensis	10	No	FACU	4 - Morphological Adaptations ¹ (Provide supporting
3. Centaurea stoebe	10	No	UPL	data in Remarks or on a separate sheet)
4. Trifolium repens	10	No	FACU	Problematic Hydrophytic Vegetation ¹ (Explain)
5. Galium mollugo	50	Yes	FACU	
6. Bellis perennis	5	No	UPL	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7.				Definitions of Vegetation Strata:
8.				Trans Manchenter Olin (7.0 and) an mana in
9.				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
10 11				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
12	135	=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30)				Woody vines – All woody vines greater than 3.28 ft in height.
2.				
3.				Hydrophytic
4.				Vegetation Present? Yes No X
		=Total Cover		
Remarks: (Include photo numbers here or on a sepa				

Profile Desc	ription: (Describe	to the de				ator or co	onfirm the absence of ir	dicators.)
Depth	Matrix			x Featur		<u> </u>		
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-10	10YR 3/2	100					Loamy/Clayey	
10-18	10YR 4/2	100					Loamy/Clayey	
							·	
		·					·	
¹ Type: C=Co	oncentration, D=Dep	letion, RM	Reduced Matrix, N	/IS=Masl	ked Sand	d Grains.	² Location: PL=	Pore Lining, M=Matrix.
Hydric Soil I	ndicators:						Indicators for	Problematic Hydric Soils ³ :
Histosol	(A1)		Polyvalue Belo	w Surfa	ce (S8) (I	LRR R,	2 cm Muck	(A10) (LRR K, L, MLRA 149B)
Histic Ep	ipedon (A2)		MLRA 149B)			Coast Prair	ie Redox (A16) (LRR K, L, R)
Black His	stic (A3)		Thin Dark Surf	ace (S9)) (LRR R	, MLRA 1	149B) 5 cm Muck	/ Peat or Peat (S3) (LRR K, L, R)
Hydroger	n Sulfide (A4)		High Chroma S	Sands (S	611) (LRF	R K, L)	Polyvalue E	elow Surface (S8) (LRR K, L)
Stratified	Layers (A5)		Loamy Mucky	Mineral	(F1) (LRI	R K, L)	Thin Dark S	Surface (S9) (LRR K, L)
Depleted	Below Dark Surface	e (A11)	Loamy Gleyed	Matrix (F2)		Iron-Manga	nese Masses (F12) (LRR K, L, R)
Thick Da	rk Surface (A12)	. ,	Depleted Matri					loodplain Soils (F19) (MLRA 149B)
	ucky Mineral (S1)		Redox Dark Su		6)			lic (TA6) (MLRA 144A, 145, 149B)
	leyed Matrix (S4)		Depleted Dark	`	,			Material (F21)
	edox (S5)		Redox Depress					w Dark Surface (F22)
	. ,		<u> </u>	•	5)			
	Matrix (S6)		Marl (F10) (LR	r r , l)			Other (Exp	ain in Remarks)
Dark Sur	face (S7)							
³ Indicators of	hydrophytic vegetat	ion and w	etland hydrology mu	ust be pr	esent, ur	nless dist	urbed or problematic.	
	.ayer (if observed):							
Type:	N/#	4						
Depth (in	iches):						Hydric Soil Present?	Yes No X
Remarks:							•	
	m is revised from No 2015 Errata. (http://v							Field Indicators of Hydric Soils,

Project/Site: Mohawk Solar	City/County: Marshville, Montgomery Sampling Date: 6/14/2018
Applicant/Owner: Avantgrid	State: NY Sampling Point: <u>1wet@wetKK</u>
Investigator(s): SZ, SB	Section, Township, Range: Town of Canajoharie
Landform (hillside, terrace, etc.): Hillslope	Local relief (concave, convex, none): Concave Slope %: 0-3
Subregion (LRR or MLRA): LRR R, MLRA 144A	Lat: 42.885194 Long: -74.658953 Datum: NAD 83
Soil Map Unit Name: Madalin silty clay loam	NWI classification: PEM
Are climatic / hydrologic conditions on the site typica	I for this time of year? Yes X No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology	significantly disturbed? Are "Normal Circumstances" present? Yes X No
Are Vegetation, Soil, or Hydrology	naturally problematic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site r	nap showing sampling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes	X No Is the Sampled Area
Hydric Soil Present? Yes	X No within a Wetland? Yes X No
Wetland Hydrology Present? Yes	
Remarks: (Explain alternative procedures here or in	n a separate report.)

Wetland Hydrology Indicators:			Secondary Indicators (minimum of two required)		
Primary Indicators (minimum of one is requir	ed; 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)	Oxidized Rhizospheres on Living Ro	oots (C3)	Saturation Visible on Aerial Imagery (C9)		
Drift Deposits (B3)	Presence of Reduced Iron (C4)		Stunted or Stressed Plants (D1)		
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soil	s (C6)	X Geomorphic Position (D2)		
Iron Deposits (B5)	Thin Muck Surface (C7)		Shallow Aquitard (D3)		
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks)		Microtopographic Relief (D4)		
Sparsely Vegetated Concave Surface (B	8)		X FAC-Neutral Test (D5)		
Field Observations:					
Surface Water Present? Yes	No X Depth (inches):				
Water Table Present? Yes	No X Depth (inches):				
Saturation Present? Yes	No. V. Dentle (in slave)		l Hadrada wa Dwa a wato 💦 👋 😽 🕹		
Saturation Present? Yes	No X Depth (inches):	wetland	d Hydrology Present? Yes X No		
(includes capillary fringe)	No X Depth (Inches):	Wetland	a Hydrology Present? Yes <u>×</u> No		
(includes capillary fringe)					
(includes capillary fringe) Describe Recorded Data (stream gauge, mo					
(includes capillary fringe)					
(includes capillary fringe) Describe Recorded Data (stream gauge, mo					
(includes capillary fringe) Describe Recorded Data (stream gauge, mo					
(includes capillary fringe) Describe Recorded Data (stream gauge, mo					
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(includes capillary fringe) Describe Recorded Data (stream gauge, mo					
(includes capillary fringe) Describe Recorded Data (stream gauge, mo					
(includes capillary fringe) Describe Recorded Data (stream gauge, mo					

Sampling Point: 1wet@wetKK

Trop Stratum (Plot size: 20)	Absolute % Cover	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30)	% Cover	Species?	Status	Dominance Test worksheet:
1				Number of Dominant Species
2.				That Are OBL, FACW, or FAC:(A)
3				Total Number of Dominant
4				Species Across All Strata: 2 (B)
5				Percent of Dominant Species
6.				That Are OBL, FACW, or FAC: 100.0% (A/B)
7.				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
<u>Sapling/Shrub Stratum</u> (Plot size: 15)				OBL species 35 x 1 = 35
1				FACW species $25 \times 2 = 50$
2.				FAC species $5 \times 3 = 15$
3				FACU species x 4 =
4				UPL species x 5 =
5				Column Totals: 65 (A) 100 (B)
6	,			Prevalence Index = B/A = 1.54
7				Hydrophytic Vegetation Indicators:
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5)				X 2 - Dominance Test is >50%
1. Carex vulpinoidea	20	Yes	OBL	X 3 - Prevalence Index is $\leq 3.0^1$
2. Scirpus atrovirens	10	No	OBL	4 - Morphological Adaptations ¹ (Provide supporting
				data in Remarks or on a separate sheet)
3. Lythrum salicaria	5	No	OBL	
4. <u>Equisetum arvense</u>	5	No	FAC	Problematic Hydrophytic Vegetation ¹ (Explain)
5. Phalaris arundinacea	15	Yes	FACW	¹ Indicators of hydric soil and wetland hydrology must
6. Carex scoparia	10	No	FACW	be present, unless disturbed or problematic.
7	,			Definitions of Vegetation Strata:
8				Tree – Woody plants 3 in. (7.6 cm) or more in
9.				diameter at breast height (DBH), regardless of height.
10.				
11.				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
11				
12.	65	=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
	05			or size, and woody plants less than 5.20 it tail.
<u>Woody Vine Stratum</u> (Plot size: <u>30</u>)				Woody vines – All woody vines greater than 3.28 ft in
1				height.
2.				Hydrophytic
3				Vegetation
4				Present? Yes X No
		=Total Cover		
Remarks: (Include photo numbers here or on a sepa	arate sheet.)			

SOIL

Profile Desc	ription: (Describe	to the de	epth needed to docu	ument tl	he indica	ator or co	onfirm the absence of indic	ators.)		
Depth	Matrix		Redox	x Featur	es					
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks		
0-6	10YR 3/1	85	7.5YR 5/6	15	С	М	Loamy/Clayey Pro	minent redox concentrations		
6-20	10YR 5/2	85	7.5YR 5/6	15	С	М	Loamy/Clayey			
	ncentration D=Den	etion R	/-Reduced Matrix, N	AS=Mas	ked Sand	Grains	² Location: PL=Pore	e Lining M=Metrix		
Hydric Soil I				10-11103				blematic Hydric Soils ³ :		
Histosol			Polyvalue Belo	w Surfa	ce (S8) (I	LRR R.		0) (LRR K, L, MLRA 149B)		
	ipedon (A2)		 MLRA 149B)		(- / (,		Redox (A16) (LRR K, L, R)		
Black His			Thin Dark Surface (S9) (LRR R, MLRA 1					eat or Peat (S3) (LRR K, L, R)		
Hydroger	n Sulfide (A4)		High Chroma Sands (S11) (LRR K, L)				Polyvalue Belo	w Surface (S8) (LRR K, L)		
Stratified	Layers (A5)		Loamy Mucky I	Mineral	(F1) (LRI	R K, L)	Thin Dark Surface (S9) (LRR K, L)			
X Depleted	Below Dark Surface	e (A11)	Loamy Gleyed	Matrix (F2)		Iron-Manganes	e Masses (F12) (LRR K, L, R)		
Thick Da	rk Surface (A12)		X Depleted Matrix				Piedmont Floor	dplain Soils (F19) (MLRA 149B)		
	ucky Mineral (S1)		X Redox Dark Su					TA6) (MLRA 144A, 145, 149B)		
	leyed Matrix (S4)		Depleted Dark				Red Parent Material (F21)			
	edox (S5)		Redox Depress				Very Shallow Dark Surface (F22)			
	Matrix (S6)		Marl (F10) (LR	R K, L)			Other (Explain in Remarks)			
Dark Sur	face (S7)									
³ Indicators of	hvdrophytic vegetat	ion and v	vetland hvdrologv mu	ust be pr	resent. ur	nless dist	urbed or problematic.			
	ayer (if observed):		, , ,		,					
Type:	N/A	4								
Depth (in	iches):						Hydric Soil Present?	Yes X No		
Remarks:										
	n is revised from No	rthcentra	I and Northeast Regi	ional Su	pplemen	t Version	2.0 to include the NRCS Fie	ld Indicators of Hydric Soils,		
Version 7.0, 2	2015 Errata. (http://w	/ww.nrcs	.usda.gov/Internet/FS	SE_DOC	CUMENT	S/nrcs14	2p2_051293.docx)	-		

Project/Site: Mohawk Solar	City/County: Marshville, Montgomery Sampling Date: 6/14/2018
Applicant/Owner: Avantgrid	State: NY Sampling Point:
Investigator(s): SZ, SB	Section, Township, Range: Town of Canajoharie
Landform (hillside, terrace, etc.): Hillslope Local	relief (concave, convex, none): Convex Slope %: 0-3
Subregion (LRR or MLRA): LRR R, MLRA 144A Lat: 42.885029	Long: -74.658756 Datum: NAD 83
Soil Map Unit Name: Madalin silty clay loam	NWI classification: N/A
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes X No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrologysignificantly distur	bed? Are "Normal Circumstances" present? Yes X No
Are Vegetation, Soil, or Hydrologynaturally problema	tic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing sam	pling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes	No X	Is the Sampled Area within a Wetland? Yes No X If yes, optional Wetland Site ID:
Hydric Soil Present?	Yes	No X	
Wetland Hydrology Present?	Yes	No X	
Remarks: (Explain alternative procedur	es here or in a	separate report.)	

Wetland Hydrology Indicators:		Secondary Indicators (minimum of two required)		
Primary Indicators (minimum of one is require	ed; check all that apply)	Surface Soil Cracks (B6)		
Surface Water (A1)	Drainage Patterns (B10)			
High Water Table (A2)	Moss Trim Lines (B16)			
Saturation (A3)	Dry-Season Water Table (C2)			
Water Marks (B1)	Crayfish Burrows (C8)			
Sediment Deposits (B2)	Oxidized Rhizospheres on Living Ro	oots (C3) Saturation Visible on Aerial Imagery (C9)		
Drift Deposits (B3)	Presence of Reduced Iron (C4)	Stunted or Stressed Plants (D1)		
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soils	ls (C6) Geomorphic Position (D2)		
Iron Deposits (B5)	Thin Muck Surface (C7)	Shallow Aquitard (D3)		
Inundation Visible on Aerial Imagery (B7)	Other (Explain in Remarks)	Microtopographic Relief (D4)		
Sparsely Vegetated Concave Surface (B8	8)	FAC-Neutral Test (D5)		
Field Observations:				
Surface Water Present? Yes	No X Depth (inches):			
Water Table Present? Yes	No X Depth (inches):			
Saturation Present? Yes	No X Depth (inches):	Wetland Hydrology Present? Yes No X		
(includes capillary fringe)				
Describe Recorded Data (stream gauge, mon	nitoring well, aerial photos, previous inspec	ections), if available:		
Remarks:				

Sampling Point:

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. 2.				Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)
3 4				Total Number of Dominant Species Across All Strata: 3 (B)
5				Percent of Dominant Species That Are OBL, FACW, or FAC: 33.3% (A/B)
7.				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15)				OBL species 0 $x 1 = 0$
1,				FACW species 5 $x 2 = 10$
2.				FAC species $25 \times 3 = 75$
3.				FACU species 45 x 4 = 180
4.				UPL species $0 \times 5 = 0$
5.				Column Totals: 75 (A) 265 (B)
				Prevalence Index = $B/A = 3.53$
o 7.				Hydrophytic Vegetation Indicators:
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
<u>Herb Stratum</u> (Plot size: 5)		-10101 0010		2 - Dominance Test is >50%
1. Ranunculus acris	5	No	FAC	$3 - Prevalence Index is \leq 3.0^{1}$
	20	Yes	FAC	4 - Morphological Adaptations ¹ (Provide supporting
				data in Remarks or on a separate sheet)
3. Phleum pratense		Yes	FACU	
4. Phalaris arundinacea	5	No	FACW	Problematic Hydrophytic Vegetation ¹ (Explain)
5. Lotus corniculatus	20	Yes	FACU	¹ Indicators of hydric soil and wetland hydrology must
6. Galium mollugo	10	No	FACU	be present, unless disturbed or problematic.
7	. <u> </u>			Definitions of Vegetation Strata:
8				Tree – Woody plants 3 in. (7.6 cm) or more in
9				diameter at breast height (DBH), regardless of height.
10				Sapling/shrub – Woody plants less than 3 in. DBH
11				and greater than or equal to 3.28 ft (1 m) tall.
12				Herb – All herbaceous (non-woody) plants, regardless
	75	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size:30) 1.				Woody vines – All woody vines greater than 3.28 ft in height.
2.				
				Hydrophytic
				Vegetation Present? Yes <u>No X</u>
4		=Total Cover		
Remarks: (Include photo numbers here or on a sepa				
include proto numbers here of on a sepa	Tale Sheet.)			

Depth	Matrix			x Featur			onfirm the absence of i	
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-18	10YR 4/2	100			С	М	Loamy/Clayey	
	10111(1/2						Loaniy, oldyby	
¹ Type: C=Co	oncentration, D=Dep	letion, RM	=Reduced Matrix, N	/IS=Mas	ked Sanc	Grains.	² Location: PL=	=Pore Lining, M=Matrix.
Hydric Soil I								Problematic Hydric Soils ³ :
Histosol	(A1)		Polyvalue Belo	w Surfa	ce (S8) (I	LRR R,	2 cm Muck	k (A10) (LRR K, L, MLRA 149B)
Histic Ep	pipedon (A2)		MLRA 149B)			Coast Prai	irie Redox (A16) (LRR K, L, R)
Black His	stic (A3)		Thin Dark Surf	ace (S9) (LRR R,	MLRA 1	1 49B) 5 cm Muck	ky Peat or Peat (S3) (LRR K, L, R)
Hydroge	n Sulfide (A4)		High Chroma	Sands (S	611) (LRF	R K, L)	Polyvalue	Below Surface (S8) (LRR K, L)
Stratified	l Layers (A5)		Loamy Mucky	Mineral	(F1) (LR	R K, L)	Thin Dark	Surface (S9) (LRR K, L)
Depleted	Below Dark Surface	e (A11)	Loamy Gleyed	Matrix (F2)		Iron-Manga	anese Masses (F12) (LRR K, L, R)
Thick Da	rk Surface (A12)		Depleted Matri	x (F3)			Piedmont	Floodplain Soils (F19) (MLRA 149B)
Sandy M	lucky Mineral (S1)		Redox Dark S	urface (F	6)		Mesic Spo	odic (TA6) (MLRA 144A, 145, 149B)
Sandy G	leyed Matrix (S4)		Depleted Dark	Surface	e (F7)		Red Paren	nt Material (F21)
Sandy R	edox (S5)		Redox Depres	sions (F	8)		Very Shall	ow Dark Surface (F22)
Stripped	Matrix (S6)		Marl (F10) (LR	R K, L)			Other (Exp	olain in Remarks)
Dark Sur	face (S7)							
	, , , ,		etland hydrology m	ust be pi	resent, ur	nless dist	urbed or problematic.	
	_ayer (if observed):							
Type:	N//	4						
Depth (ir	nches):						Hydric Soil Present	? Yes <u>No X</u>
Remarks:							•	
								S Field Indicators of Hydric Soils,
Version 7.0,	2015 Errata. (http://v	ww.nrcs.u	usda.gov/Internet/F	SE_DOO	CUMENT	S/nrcs14	2p2_051293.docx)	

Project/Site: Mohaw	k Solar			City/County: Montgo	mery County	ទ	Sampling Date:	10/26/17
Applicant/Owner:	Mohawk Solar	LLC			State:	NY	Sampling Point	t: <u>1wet@wetM</u>
Investigator(s): John	Wojcikiewicz, S	helby Zemken		Section, Tov	wnship, Range: ⁻	Town of C	Canajoharie and I	Minden
Landform (hillside, ter	race, etc.): <u>H</u> i	illslope (shallow va	lley) Local r	relief (concave, conve	x, none): <u>Conca</u>	ve	Slope	e %: 2
Subregion (LRR or ML	_RA): <u>LRR L</u>	Lat:	42.8946	Long:	-74.6475		Datum:	WGS84
Soil Map Unit Name:	Palatine silt loa	am, 8 to 15 percent	slopes		NWI classi	fication:	PEM	
Are climatic / hydrolog	jic conditions on	ı the site typical for	this time of year?	Yes X	No	(If no, ex	xplain in Remark	s.)
Are Vegetation	, Soil, (or Hydrology	significantly distur	oed? Are "Norm	nal Circumstance	es" preser	nt? Yes X	No
Are Vegetation	, Soil, (or Hydrology	_naturally problema	tic? (If needed	l, explain any an	swers in F	Remarks.)	
SUMMARY OF F	INDINGS – A	Attach site mar	o showing sam	pling point locat	ions, transe	cts, imp	oortant featu	res, etc.
Hydrophytic Vegetati	on Present?	Yes X	No	Is the Sampled Ar	rea			
Hydric Soil Present?		Yes X	No	within a Wetland?	? Yes	<u>x</u>	No	
Wetland Hydrology F	'resent?	Yes X	No	If yes, optional We	tland Site ID:			
Remarks: (Explain a	Iternative proce	dures here or in a s	separate report.)					

Wetland Hydrology Indicators:			Secondary Indicators (minimum of two required)		
Primary Indicators (minimum of one is require	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)		
X Saturation (A3) Marl Deposits (B15)			Dry-Season Water Table (C2)		
X Water Marks (B1) Hydrogen Sulfide Odor (C1)			Crayfish Burrows (C8)		
Sediment Deposits (B2)	Oxidized Rhizospheres on Living Ro	oots (C3)	Saturation Visible on Aerial Imagery (C9)		
Drift Deposits (B3)	Presence of Reduced Iron (C4)		Stunted or Stressed Plants (D1)		
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soils	s (C6)	Geomorphic Position (D2)		
Iron Deposits (B5)	Thin Muck Surface (C7)		Shallow Aquitard (D3)		
Inundation Visible on Aerial Imagery (B7)	Other (Explain in Remarks)		Microtopographic Relief (D4)		
Sparsely Vegetated Concave Surface (B	3)		FAC-Neutral Test (D5)		
Field Observations:					
Surface Water Present? Yes	No X Depth (inches):				
Water Table Present? Yes	No X Depth (inches):				
Saturation Present? Yes X	No Depth (inches): 0	Wetlan	d Hydrology Present? Yes X No		
(includes capillary fringe)					
(includes capillary fringe) Describe Recorded Data (stream gauge, mor	itoring well, aerial photos, previous inspe	ctions), if a	available:		
	itoring well, aerial photos, previous inspe	ctions), if a	available:		
	itoring well, aerial photos, previous inspe	ctions), if a	available:		
	itoring well, aerial photos, previous inspe	ctions), if a	available:		
Describe Recorded Data (stream gauge, mor	itoring well, aerial photos, previous inspe	ctions), if a	available:		
Describe Recorded Data (stream gauge, mor	itoring well, aerial photos, previous inspe	ctions), if a	available:		
Describe Recorded Data (stream gauge, mor	itoring well, aerial photos, previous inspe	ctions), if a	available:		
Describe Recorded Data (stream gauge, mor	itoring well, aerial photos, previous inspe	ctions), if a	available:		
Describe Recorded Data (stream gauge, mor	itoring well, aerial photos, previous inspe	ctions), if a	available:		
Describe Recorded Data (stream gauge, mor	itoring well, aerial photos, previous inspe	ctions), if a	available:		
Describe Recorded Data (stream gauge, mor	itoring well, aerial photos, previous inspe	ctions), if a	available:		
Describe Recorded Data (stream gauge, mor	itoring well, aerial photos, previous inspe	ctions), if a	available:		

Sampling Point: <u>1wet@wetM</u>

<u>Tree Stratum</u> (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:			
1.	70 00101	opeoles	Otatus				
2.				Number of Dominant Species That Are OBL, FACW, or FAC: 5 (A)			
3.				Total Number of Dominant			
4.				Species Across All Strata: 5 (B)			
5				Percent of Dominant Species			
6				That Are OBL, FACW, or FAC:100.0% (A/B)			
7				Prevalence Index worksheet:			
		=Total Cover		Total % Cover of: Multiply by:			
Sapling/Shrub Stratum (Plot size: 15)				OBL species X 1 = 35			
1. Cornus amomum	10	Yes	FACW	FACW species 50 x 2 = 100			
2. <u>Salix sp.</u>	5	Yes	FACW	FAC species X 3 = 45			
3				FACU species 0 x 4 = 0			
4.				UPL species 0 x 5 = 0			
5				Column Totals: 100 (A) 180 (B)			
6				Prevalence Index = B/A = 1.80			
7				Hydrophytic Vegetation Indicators:			
	15	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation			
Herb Stratum (Plot size: 15)				X 2 - Dominance Test is >50%			
1. Phalaris arundinacea	20	Yes	FACW	X 3 - Prevalence Index is ≤3.0 ¹			
2. Typha latifolia	15	Yes	OBL	4 - Morphological Adaptations ¹ (Provide supporting			
3. Epilobium sp.	5	No	FACW	data in Remarks or on a separate sheet)			
4. Eutrochium maculatum	15	Yes	OBL	Problematic Hydrophytic Vegetation ¹ (Explain)			
5. Juncus effusus	5	No	OBL				
6. <i>Carex sp.</i>	10	No	FAC	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.			
7. Onoclea sensibilis	10	No	FACW	Definitions of Vegetation Strata:			
8. Solidago sp.	5	No	FAC				
9.				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.			
10.				Sapling/shrub – Woody plants less than 3 in. DBH			
11				and greater than or equal to 3.28 ft (1 m) tall.			
12				Herb – All herbaceous (non-woody) plants, regardless			
	85	=Total Cover		of size, and woody plants less than 3.28 ft tall.			
Woody Vine Stratum (Plot size: 30)				Woody vines – All woody vines greater than 3.28 ft in			
1				height.			
2							
3.				Hydrophytic Vegetation			
4.				Present? Yes X No			
		=Total Cover					
Remarks: (Include photo numbers here or on a separ	ate sheet.)						

Profile Desc	ription: (Describe	to the de	pth needed to docu	ument ti	he indica	ator or co	onfirm the absence of ind	icators.)
Depth Matrix Redox Features								
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-4	10YR 4/2	95	7.5YR 5/6	5	С	PL	Loamy/Clayey	Clay Loam
4-14	10YR 5/1	90	7.5YR 5/6	10	С	М	Loamy/Clayey	Clay Loam
14-16	N 5/	90	7.5YR 5/6	10	С	М	Loamy/Clayey	Gley1 5/N, Clay Loam
14-16	N 5/	90 90 90 90 90 90 90 90 90 90 90 90 90 9	7.5YR 5/6	 IS=Masl w Surface) ace (S9) Sands (S Mineral I Matrix (x (F3) urface (F Surface sions (F8 R K, L) ust be pr	 ked Sanc ce (S8) (I (F1) (LRR (F1) (LRI F2) 6) (F7) 8) resent, ur	M M M Grains. CRR R, MLRA 1 R K, L) R K, L)	Loamy/Clayey	Gley1 5/N, Clay Loam Gley1 5/N, Clay Loam Gley1 5/N, Clay Loam Gley1 5/N, Clay Loam Gley1 5/N, Clay Loam Clay Loam Gley1 5/N, Clay Loam

Project/Site: Mohawk Se	olar	Cit	y/County: Montgo	mery County	Sa	ampling Date:	10/26/17
Applicant/Owner: Mo	ohawk Solar LLC			State:	NY	Sampling Point	1Up@WetM
Investigator(s): John Wo	ojcikiewicz, Shelby Zemken		Section, Tov	vnship, Range: ⁻	Town of Ca	anajoharie and	Minden
Landform (hillside, terrace	e, etc.):	Local relie	f (concave, conve	x, none): <u>Conca</u>	ve	Slope	e %: <u>10</u>
Subregion (LRR or MLRA	N): LRR L L	at: 42.8947	Long:	-74.6475		Datum:	WGS84
Soil Map Unit Name: Pa	alatine silt loam, 8 to 15 perc	ent slopes		NWI classif	fication: N	I/A	
Are climatic / hydrologic c	conditions on the site typical	for this time of year?	Yes X	No	(If no, exp	olain in Remark	s.)
Are Vegetation, S	Soil, or Hydrology	X significantly disturbed	? Are "Norm	al Circumstance	es" present	t? Yes X	No
Are Vegetation, S	Soil, or Hydrology	X naturally problematic?	(If needed	, explain any an	swers in R	emarks.)	
SUMMARY OF FINE	DINGS – Attach site m	nap showing sampli	ng point locati	ions, transed	cts, imp	ortant featu	res, etc.

Hydrophytic Vegetation Present?	Yes	No X	Is the Sampled Area within a Wetland? Yes No X If yes, optional Wetland Site ID:
Hydric Soil Present?	Yes	No X	
Wetland Hydrology Present?	Yes	No X	
Remarks: (Explain alternative procedure	es here or in a	separate report.)	

Wetland Hydrology Indicators:			Secondary Indicators (minimum of two required)		
Primary Indicators (minimum of one is requi	red; check all that apply)		Surface Soil Cracks (B6)		
Surface Water (A1) Water-Stained Leaves (B9)			Drainage Patterns (B10)		
High Water Table (A2)	High Water Table (A2) Aquatic Fauna (B13)				
Saturation (A3)					
Water Marks (B1)					
Sediment Deposits (B2)					
Drift Deposits (B3)	Presence of Reduced Iron (C4)		Stunted or Stressed Plants (D1)		
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soils	s (C6)	Geomorphic Position (D2)		
Iron Deposits (B5)	Thin Muck Surface (C7)		Shallow Aquitard (D3)		
Inundation Visible on Aerial Imagery (B	7) Other (Explain in Remarks)		Microtopographic Relief (D4)		
Sparsely Vegetated Concave Surface (38)		FAC-Neutral Test (D5)		
Field Observations:					
Surface Water Present? Yes	No X Depth (inches):				
Water Table Present? Yes	No X Depth (inches):				
Saturation Present? Yes	No X Depth (inches):	Wetlan	d Hydrology Present? Yes No X		
(includes capillary fringe)					
Describe Recorded Data (stream gauge, mo	onitoring well, aerial photos, previous inspe	ctions), if a	vailable:		
Describe Recorded Data (stream gauge, mo	onitoring well, aerial photos, previous inspe	ctions), if a	vailable:		
	onitoring well, aerial photos, previous inspe	ctions), if a	vailable:		
Describe Recorded Data (stream gauge, mo Remarks:	onitoring well, aerial photos, previous inspe	ctions), if a	vailable:		
	onitoring well, aerial photos, previous inspe	ctions), if a	vailable:		
	onitoring well, aerial photos, previous inspe	ctions), if a	vailable:		
	onitoring well, aerial photos, previous inspe	ctions), if a	vailable:		
	onitoring well, aerial photos, previous inspe	ctions), if a	vailable:		
	onitoring well, aerial photos, previous inspe	ctions), if a	vailable:		
	onitoring well, aerial photos, previous inspe	ctions), if a	vailable:		
	onitoring well, aerial photos, previous inspe	ctions), if a	vailable:		
	onitoring well, aerial photos, previous inspe	ctions), if a	vailable:		

Sampling Point: 1Up@WetM

Tree Stratum (Plot size: 30) % Cover Species? Status Dominance Test worksheet: 1. Rhus sp. 10 Yes UPL Number of Dominant Species 2.	(A)			
2.	_			
3				
	-			
4 Species Across All Strata: 8	(B)			
5 Percent of Dominant Species				
6 That Are OBL, FACW, or FAC:37.5%	(A/B)			
7 Prevalence Index worksheet:				
10 =Total Cover Total % Cover of: Multiply by:				
Sapling/Shrub Stratum (Plot size:15) OBL species0 x 1 =0				
1. Lonicera morrowii 5 Yes FACU FACW species 0 x 2 = 0	_			
2. Rhamnus cathartica 10 Yes FAC FAC species 35 x 3 = 105				
3. FACU species 15 x 4 =60				
4 UPL species 45 225				
5 Column Totals: 95 (A) 390	(B)			
6. Prevalence Index = B/A = 4.11				
7. Hydrophytic Vegetation Indicators:				
15 =Total Cover 1 - Rapid Test for Hydrophytic Vegetation				
Herb Stratum (Plot size: 15) 2 - Dominance Test is >50%				
1. Asclepias sp. 15 Yes FAC 3 - Prevalence Index is $\leq 3.0^1$				
2. Centaurea stoebe 20 Yes UPL 4 - Morphological Adaptations ¹ (Provide su	portina			
3. Hieracium sp. 10 Yes FACU data in Remarks or on a separate sheet	- 5			
4. <i>Vicia cracca</i> 10 Yes UPL Problematic Hydrophytic Vegetation ¹ (Explanation)	uin)			
Indicators of hydric soil and wetland hydrology	¹ Indicators of hydric soil and wetland hydrology must			
6. <u>Solidago sp.</u> 10 Yes FAC be present, unless disturbed or problematic.				
7 Definitions of Vegetation Strata:				
8 Tree – Woody plants 3 in. (7.6 cm) or more in				
9 diameter at breast height (DBH), regardless of	neight.			
10. Sapling/shrub – Woody plants less than 3 in.	ЪВН			
11.				
12 Herb – All herbaceous (non-woody) plants, reg	ardless			
Woody Vine Stratum (Plot size: 30) Woody vines – All woody vines greater than 3.	28 ft in			
1 height.				
2				
3 Hydrophytic Vegetation				
4 Present? Yes No _X				
=Total Cover				
Remarks: (Include photo numbers here or on a separate sheet.)				

Profile Desc	ription: (Describe	to the de	oth needed to doc	ument t	he indica	tor or co	onfirm the absence of	f indicators.)
Depth	Matrix		Redo	x Featur	res			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-16	10YR 4/3	100					Loamy/Clayey	
·								
¹ Type: C=Co	oncentration, D=Depl	etion, RM	=Reduced Matrix, N	//S=Mas	ked Sand	l Grains.	² Location: Pl	L=Pore Lining, M=Matrix.
Hydric Soil I	ndicators:						Indicators for	or Problematic Hydric Soils ³ :
Histosol	(A1)		Polyvalue Belo	ow Surfa	ce (S8) (I	LRR R,	2 cm Mu	ck (A10) (LRR K, L, MLRA 149B)
Histic Ep	ipedon (A2)		MLRA 149B	5)			Coast Pr	airie Redox (A16) (LRR K, L, R)
Black His	stic (A3)		Thin Dark Surf	ace (S9) (LRR R	, MLRA 1	1 49B) 5 cm Mu	cky Peat or Peat (S3) (LRR K, L, R)
Hydroge	n Sulfide (A4)		High Chroma S	Sands (S	611) (LRF	R K, L)	Polyvalue	e Below Surface (S8) (LRR K, L)
Stratified	Layers (A5)		Loamy Mucky	Mineral	(F1) (LRI	R K, L)	Thin Dar	k Surface (S9) (LRR K, L)
Depleted	Below Dark Surface	e (A11)	Loamy Gleyed	Matrix (F2)		Iron-Man	nganese Masses (F12) (LRR K, L, R)
Thick Da	rk Surface (A12)		Depleted Matri	x (F3)			Piedmon	t Floodplain Soils (F19) (MLRA 149B)
Sandy M	ucky Mineral (S1)		Redox Dark Su	urface (F	6)		Mesic Sp	oodic (TA6) (MLRA 144A, 145, 149B)
Sandy G	leyed Matrix (S4)		Depleted Dark	Surface	e (F7)			ent Material (F21)
Sandy R	edox (S5)		Redox Depres	sions (F	8)			allow Dark Surface (F22)
Stripped	Matrix (S6)		Marl (F10) (LR	R K, L)			Other (E	xplain in Remarks)
Dark Sur	face (S7)							
2								
			etland hydrology mi	ust be pi	resent, ur	nless dist	urbed or problematic.	
	ayer (if observed):							
Type:	N/#	4						
Depth (ir	nches):						Hydric Soil Presen	nt? Yes No X
Remarks:							•	
								CS Field Indicators of Hydric Soils,
Version 7.0,	2015 Errata. (http://w	ww.nrcs.u	usda.gov/Internet/F	SE_DOO	CUMENT	S/nrcs14	2p2_051293.docx)	

Project/Site: Mohawk Solar	City/County: Marshville, Montgomery Sampling Date: 8/1/18
Applicant/Owner: Avantgrid	State: NY Sampling Point: <u>1wet@wetMM</u>
Investigator(s): SZ, SB	Section, Township, Range: Town of Canajoharie
Landform (hillside, terrace, etc.): Terrace	Local relief (concave, convex, none): Concave Slope %: 2
Subregion (LRR or MLRA): LRR R, MLRA 144A Lat	t: <u>42.896943</u> Long: <u>-74.617353</u> Datum: <u>NAD 83</u>
Soil Map Unit Name: <u>Ilion silt loam</u>	NWI classification: PEM
Are climatic / hydrologic conditions on the site typical fo	or this time of year? Yes X No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology	significantly disturbed? Are "Normal Circumstances" present? Yes X No
Are Vegetation, Soil, or Hydrology	naturally problematic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site ma	ap showing sampling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes X	No Is the Sampled Area
Hydric Soil Present? Yes X	No within a Wetland? Yes X No
Wetland Hydrology Present? Yes X	No If yes, optional Wetland Site ID:
Remarks: (Explain alternative procedures here or in a	separate report.)

Wetland Hydrology Indicators:			Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is require	ed; check all that apply)		Surface Soil Cracks (B6)
X 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)	Oxidized Rhizospheres on Living Ro	ots (C3)	Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3)	Presence 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 Surface (C7)		Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks)		Microtopographic Relief (D4)
Sparsely Vegetated Concave Surface (B	8)		X FAC-Neutral Test (D5)
Field Observations:			
Surface Water Present? Yes X	No Depth (inches): 1		
Water Table Present? Yes	No X Depth (inches):		
Saturation Present? Yes X	No Depth (inches): 0	Wetland	d Hydrology Present? Yes X No
Saturation Present? Yes X (includes capillary fringe)	No Depth (inches): 0	Wetland	d Hydrology Present? Yes <u>X</u> No
(includes capillary fringe)			
(includes capillary fringe)			
(includes capillary fringe)			
(includes capillary fringe) Describe Recorded Data (stream gauge, mor			
(includes capillary fringe) Describe Recorded Data (stream gauge, mor			
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(includes capillary fringe) Describe Recorded Data (stream gauge, mor			
(includes capillary fringe) Describe Recorded Data (stream gauge, mor			

Sampling Point: 1wet@wetMM

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
 Ulmus americana 2. 	10	Yes	FACW	Number of Dominant Species That Are OBL, FACW, or FAC: 4 (A)
3				Total Number of Dominant Species Across All Strata: 5 (B)
5 6				Percent of Dominant Species That Are OBL, FACW, or FAC: 80.0% (A/B)
7				Prevalence Index worksheet:
	10	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15		•		OBL species 15 x 1 = 15
1. Cornus amomum	15	Yes	FACW	FACW species 75 x 2 = 150
2. Lonicera tatarica	10	Yes	FACU	FAC species 0 x 3 = 0
3.				FACU species 10 x 4 = 40
4.				UPL species 0 x 5 = 0
5				Column Totals: 100 (A) 205 (B)
6		·		Prevalence Index = $B/A = 2.05$
_		·		Hydrophytic Vegetation Indicators:
7	25	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Horb Stratum (Diat aiza: 5)	23			X 2 - Dominance Test is >50%
Herb Stratum (Plot size: 5)	20	Vaa		
1. Onoclea sensibilis	30	Yes	FACW	X 3 - Prevalence Index is $\leq 3.0^{1}$
2. Eupatorium perfoliatum	10	No	FACW	4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
3. Carex vulpinoidea	15	Yes	OBL	
4. Phalaris arundinacea	10	No	FACW	Problematic Hydrophytic Vegetation ¹ (Explain)
5 6.		·		¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
		·		Definitions of Vegetation Strata:
•				Deminions of Vegetation Strata.
o9				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
10 11.		·		Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
12.		·		
	65	=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
<u>Woody Vine Stratum</u> (Plot size: <u>30</u>) 1.				Woody vines – All woody vines greater than 3.28 ft in height.
		·		Hydrophytic
		·		Vegetation
4				Present? Yes <u>X</u> No
		=Total Cover		
Remarks: (Include photo numbers here or on a sep	arate SNEET.)			

SOIL

Profile Desc	ription: (Describe	to the de	pth needed to doc	ument t	he indica	ator or co	onfirm the absence of	findicators.)
Depth	Matrix		Redo	x Featur	es			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-7	10YR 3/1	80	7.5YR 6/8	20	С	М	Loamy/Clayey	Prominent redox concentrations
7-18	10YR 5/1	80	7.5YR 6/8	10	С	М	Loamy/Clayey	
¹ Type: C=Co	oncentration, D=Dep	letion, RM	M=Reduced Matrix, N	//S=Mas	ked San	d Grains.	² Location: PL	L=Pore Lining, M=Matrix.
Hydric Soil								or Problematic Hydric Soils ³ :
Histosol	(A1)		Polyvalue Belo	ow Surfa	ce (S8) (LRR R,	2 cm Muo	ck (A10) (LRR K, L, MLRA 149B)
Histic Ep	oipedon (A2)		MLRA 149B	5)			Coast Pra	airie Redox (A16) (LRR K, L, R)
	stic (A3)		Thin Dark Surf	• •	, ,			cky Peat or Peat (S3) (LRR K, L, R)
	n Sulfide (A4)		High Chroma S					e Below Surface (S8) (LRR K, L)
	Layers (A5)		Loamy Mucky			R K, L)		k Surface (S9) (LRR K, L)
	Below Dark Surface	e (A11)	Loamy Gleyed		F2)			ganese Masses (F12) (LRR K, L, R)
	ark Surface (A12)		X Depleted Matri					t Floodplain Soils (F19) (MLRA 149B)
· ·	lucky Mineral (S1)		X Redox Dark Su	`	,			oodic (TA6) (MLRA 144A, 145, 149B)
	Bleyed Matrix (S4)		Depleted Dark		· /			ent Material (F21)
	edox (S5) Matrix (S6)		Redox Depress Marl (F10) (LR	•	0)			allow Dark Surface (F22)
	rface (S7)		Wall (F10) (LR	K N, L)				xplain in Remarks)
³ Indicators o	f hydrophytic vegetat	ion and v	vetland hydrology mi	ust be pr	resent, u	nless dist	urbed or problematic.	
Restrictive	Layer (if observed):							
Type:	N//	4						×
Depth (ir	nches):						Hydric Soil Presen	nt? Yes X No
Remarks:							-	
	m is revised from No 2015 Errata. (http://v							CS Field Indicators of Hydric Soils,
		www.mcs	.usua.gov/internet/1			3/11/514	2pz_031293.d0cx)	

Project/Site: Mohawk Se	olar	C	ty/County: Montgor	mery County	Sa	ampling Date:	10/26/17
Applicant/Owner: Mo	ohawk Solar LLC			State:	NY	Sampling Point	1Up@WetM
Investigator(s): John Wo	ojcikiewicz, Shelby Zemken		Section, Tov	/nship, Range: ⁻	Town of Ca	najoharie and	Minden
Landform (hillside, terrace	e, etc.):	Local reli	ef (concave, conve	k, none): <u>Conca</u>	ve	Slope	e %: <u>10</u>
Subregion (LRR or MLRA	N): LRR L	at: 42.8947	Long:	-74.6475		Datum:	WGS84
Soil Map Unit Name: Pa	alatine silt loam, 8 to 15 perc	ent slopes		NWI classif	fication: N	/A	
Are climatic / hydrologic c	conditions on the site typical	for this time of year?	Yes X	No	(If no, exp	lain in Remark	s.)
Are Vegetation, S	Soil, or Hydrology	X significantly disturbed	I? Are "Norm	al Circumstance	es" present	? Yes X	No
Are Vegetation, S	Soil, or Hydrology	X naturally problematic	? (If needed	, explain any an	swers in R	emarks.)	
SUMMARY OF FINE	DINGS – Attach site n	nap showing sampli	ng point locati	ons, transed	cts, impo	ortant featu	res, etc.

Hydrophytic Vegetation Present?	Yes	No X	Is the Sampled Area within a Wetland? Yes No X If yes, optional Wetland Site ID:
Hydric Soil Present?	Yes	No X	
Wetland Hydrology Present?	Yes	No X	
Remarks: (Explain alternative procedure	es here or in a	separate report.)	

Wetland Hydrology Indicators:			Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is requi	red; 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)	Oxidized Rhizospheres on Living Ro	oots (C3)	Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3)	Presence of Reduced Iron (C4)		Stunted or Stressed Plants (D1)
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soils	s (C6)	Geomorphic Position (D2)
Iron Deposits (B5)	Thin Muck Surface (C7)	•	Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B	7) Other (Explain in Remarks)	•	Microtopographic Relief (D4)
Sparsely Vegetated Concave Surface (38)		FAC-Neutral Test (D5)
Field Observations:			
Surface Water Present? Yes	No X Depth (inches):		
Water Table Present? Yes	No X Depth (inches):		
Saturation Present? Yes	No X Depth (inches):	Wetland	Hydrology Present? Yes No X
(includes capillary fringe)			
Describe Recorded Data (stream gauge, mo	onitoring well, aerial photos, previous inspe	ctions), if a	vailable:
Describe Recorded Data (stream gauge, mo	onitoring well, aerial photos, previous inspe	ctions), if a	vailable:
	onitoring well, aerial photos, previous inspe	ctions), if a	vailable:
Describe Recorded Data (stream gauge, mo Remarks:	onitoring well, aerial photos, previous inspe	ctions), if a	vailable:
	onitoring well, aerial photos, previous inspe	ctions), if a	vailable:
	onitoring well, aerial photos, previous inspe	ctions), if a	vailable:
	onitoring well, aerial photos, previous inspe	ctions), if a	vailable:
	onitoring well, aerial photos, previous inspe	ctions), if a	vailable:
	onitoring well, aerial photos, previous inspe	ctions), if a	vailable:
	onitoring well, aerial photos, previous inspe	ctions), if a	vailable:
	onitoring well, aerial photos, previous inspe	ctions), if a	vailable:
	onitoring well, aerial photos, previous inspe	ctions), if a	vailable:

Sampling Point: 1Up@WetM

Tree Stratum (Plot size: 30) % Cover Species? Status Dominance Test worksheet: 1. Rhus sp. 10 Yes UPL Number of Dominant Species 2.	(A)
2.	(A)
3	
4 Species Across All Strata: 8	(B)
5 Percent of Dominant Species	
6 That Are OBL, FACW, or FAC:37.5%	(A/B)
7 Prevalence Index worksheet:	
10 =Total Cover Total % Cover of: Multiply by:	_
Sapling/Shrub Stratum (Plot size:15) OBL species0 x 1 =0	_
1. Lonicera morrowii 5 Yes FACU FACW species 0 x 2 = 0	_
2. Rhamnus cathartica 10 Yes FAC FAC species 35 x 3 = 105	_
3. FACU species 15 x 4 =60	_
4 UPL species 45 225	
5 Column Totals: 95 (A) 390	(B)
6 Prevalence Index = B/A = 4.11	
7. Hydrophytic Vegetation Indicators:	_
15 =Total Cover 1 - Rapid Test for Hydrophytic Vegetation	
Herb Stratum (Plot size: 15) 2 - Dominance Test is >50%	
1. Asclepias sp. 15 Yes FAC 3 - Prevalence Index is $\leq 3.0^1$	
2. Centaurea stoebe 20 Yes UPL 4 - Morphological Adaptations ¹ (Provide su	portina
3. Hieracium sp. 10 Yes FACU data in Remarks or on a separate sheet	- 5
4. <i>Vicia cracca</i> 10 Yes UPL Problematic Hydrophytic Vegetation ¹ (Explanation)	in)
	,
Indicators of hydric soil and wetland hydrology	nust
6. Solidago sp. 10 Yes FAC be present, unless disturbed or problematic.	
7 Definitions of Vegetation Strata:	
8 Tree – Woody plants 3 in. (7.6 cm) or more in	
9 diameter at breast height (DBH), regardless of	eight.
10. Sapling/shrub – Woody plants less than 3 in.	BH
11.	
12 Herb – All herbaceous (non-woody) plants, reg	rdless
Woody Vine Stratum (Plot size: 30) Woody vines – All woody vines greater than 3.	28 ft in
1 height.	
2	
3 Hydrophytic Vegetation	
4 Present? Yes No _X	
=Total Cover	
Remarks: (Include photo numbers here or on a separate sheet.)	

Profile Desc	ription: (Describe	to the de	oth needed to doc	ument t	he indica	tor or co	onfirm the absence of	f indicators.)
Depth	Matrix		Redo	x Featur	res			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-16	10YR 4/3	100					Loamy/Clayey	
·								
¹ Type: C=Co	oncentration, D=Depl	etion, RM	=Reduced Matrix, N	//S=Mas	ked Sand	l Grains.	² Location: Pl	L=Pore Lining, M=Matrix.
Hydric Soil I	ndicators:						Indicators for	or Problematic Hydric Soils ³ :
Histosol	(A1)		Polyvalue Belo	ow Surfa	ce (S8) (I	LRR R,	2 cm Mu	ck (A10) (LRR K, L, MLRA 149B)
Histic Ep	ipedon (A2)		MLRA 149B	5)			Coast Pr	airie Redox (A16) (LRR K, L, R)
Black His	stic (A3)		Thin Dark Surf	ace (S9) (LRR R	MLRA 1	1 49B) 5 cm Mu	cky Peat or Peat (S3) (LRR K, L, R)
Hydroge	n Sulfide (A4)		High Chroma S	Sands (S	611) (LRF	R K, L)	Polyvalue	e Below Surface (S8) (LRR K, L)
Stratified	Layers (A5)		Loamy Mucky	Mineral	(F1) (LRI	R K, L)	Thin Dar	k Surface (S9) (LRR K, L)
Depleted	Below Dark Surface	e (A11)	Loamy Gleyed	Matrix (F2)		Iron-Man	nganese Masses (F12) (LRR K, L, R)
Thick Da	rk Surface (A12)		Depleted Matri	x (F3)			Piedmon	t Floodplain Soils (F19) (MLRA 149B)
Sandy M	ucky Mineral (S1)		Redox Dark Su	urface (F	6)		Mesic Sp	oodic (TA6) (MLRA 144A, 145, 149B)
Sandy G	leyed Matrix (S4)		Depleted Dark	Surface	e (F7)			ent Material (F21)
Sandy R	edox (S5)		Redox Depres	sions (F	8)			allow Dark Surface (F22)
Stripped	Matrix (S6)		Marl (F10) (LR	R K, L)			Other (E	xplain in Remarks)
Dark Sur	face (S7)							
2								
			etland hydrology mi	ust be pi	resent, ur	iless dist	urbed or problematic.	
	ayer (if observed):							
Type:	N/#	4						
Depth (ir	nches):						Hydric Soil Presen	nt? Yes No X
Remarks:							•	
								CS Field Indicators of Hydric Soils,
Version 7.0,	2015 Errata. (http://w	ww.nrcs.u	usda.gov/Internet/F	SE_DOO	CUMENT	S/nrcs14	2p2_051293.docx)	

Project/Site: Mohawk Solar	City/County: Marshville, Montgomery Sampling Date: 8/1/18
Applicant/Owner: Avantgrid	State: NY Sampling Point: <u>1wet@wetMM</u>
Investigator(s): SZ, SB	Section, Township, Range: Town of Canajoharie
Landform (hillside, terrace, etc.): Terrace	Local relief (concave, convex, none): Concave Slope %: 2
Subregion (LRR or MLRA): LRR R, MLRA 144A Lat	t: <u>42.896943</u> Long: <u>-74.617353</u> Datum: <u>NAD 83</u>
Soil Map Unit Name: <u>Ilion silt loam</u>	NWI classification: PEM
Are climatic / hydrologic conditions on the site typical fo	or this time of year? Yes X No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology	significantly disturbed? Are "Normal Circumstances" present? Yes X No
Are Vegetation, Soil, or Hydrology	naturally problematic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site ma	ap showing sampling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes X	No Is the Sampled Area
Hydric Soil Present? Yes X	No within a Wetland? Yes X No
Wetland Hydrology Present? Yes X	No If yes, optional Wetland Site ID:
Remarks: (Explain alternative procedures here or in a	separate report.)

Wetland Hydrology Indicators:			Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is require	ed; check all that apply)		Surface Soil Cracks (B6)
X 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)	Oxidized Rhizospheres on Living Ro	ots (C3)	Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3)	Presence 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 Surface (C7)		Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks)		Microtopographic Relief (D4)
Sparsely Vegetated Concave Surface (B	8)		X FAC-Neutral Test (D5)
Field Observations:			
Surface Water Present? Yes X	No Depth (inches): 1		
Water Table Present? Yes	No X Depth (inches):		
Saturation Present? Yes X	No Depth (inches): 0	Wetland	d Hydrology Present? Yes X No
Saturation Present? Yes X (includes capillary fringe)	No Depth (inches): 0	Wetland	d Hydrology Present? Yes <u>X</u> No
(includes capillary fringe)			
(includes capillary fringe)			
(includes capillary fringe)			
(includes capillary fringe) Describe Recorded Data (stream gauge, mor			
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(includes capillary fringe) Describe Recorded Data (stream gauge, mor			

Sampling Point: 1wet@wetMM

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
 Ulmus americana 2. 	10	Yes	FACW	Number of Dominant Species That Are OBL, FACW, or FAC: 4 (A)
3				Total Number of Dominant Species Across All Strata: 5 (B)
5 6				Percent of Dominant Species That Are OBL, FACW, or FAC: 80.0% (A/B)
7				Prevalence Index worksheet:
	10	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15		•		OBL species 15 x 1 = 15
1. Cornus amomum	15	Yes	FACW	FACW species 75 x 2 = 150
2. Lonicera tatarica	10	Yes	FACU	FAC species 0 x 3 = 0
3.				FACU species 10 x 4 = 40
4.				UPL species 0 x 5 = 0
5				Column Totals: 100 (A) 205 (B)
6		·		Prevalence Index = $B/A = 2.05$
_		·		Hydrophytic Vegetation Indicators:
7	25	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Horb Stratum (Diat aiza: 5)	23			X 2 - Dominance Test is >50%
Herb Stratum (Plot size: 5)	20	Vaa		
1. Onoclea sensibilis	30	Yes	FACW	X 3 - Prevalence Index is $\leq 3.0^{1}$
2. Eupatorium perfoliatum	10	No	FACW	4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
3. Carex vulpinoidea	15	Yes	OBL	
4. Phalaris arundinacea	10	No	FACW	Problematic Hydrophytic Vegetation ¹ (Explain)
5 6.		·		¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
		·		Definitions of Vegetation Strata:
•				Deminions of Vegetation Strata.
o9				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
10 11.		·		Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
12.		·		
	65	=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
<u>Woody Vine Stratum</u> (Plot size: <u>30</u>) 1.				Woody vines – All woody vines greater than 3.28 ft in height.
		·		Hydrophytic
		·		Vegetation
4				Present? Yes <u>X</u> No
		=Total Cover		
Remarks: (Include photo numbers here or on a sep	arate SNEET.)			

SOIL

Profile Desc	ription: (Describe	to the de	pth needed to doc	ument t	he indica	ator or co	onfirm the absence of	findicators.)
Depth	Matrix Redox Features							
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-7	10YR 3/1	80	7.5YR 6/8	20	С	М	Loamy/Clayey	Prominent redox concentrations
7-18	10YR 5/1	80	7.5YR 6/8	10	С	М	Loamy/Clayey	
¹ Type: C=Co	oncentration, D=Dep	letion, RM	M=Reduced Matrix, N	//S=Mas	ked San	d Grains.	² Location: PL	L=Pore Lining, M=Matrix.
Hydric Soil								or Problematic Hydric Soils ³ :
Histosol	(A1)		Polyvalue Belo	ow Surfa	ce (S8) (LRR R,	2 cm Muo	ck (A10) (LRR K, L, MLRA 149B)
Histic Ep	oipedon (A2)		MLRA 149B	5)			Coast Pra	airie Redox (A16) (LRR K, L, R)
	stic (A3)		Thin Dark Surf	• •	, ,			cky Peat or Peat (S3) (LRR K, L, R)
	n Sulfide (A4)		High Chroma S					e Below Surface (S8) (LRR K, L)
	Layers (A5)		Loamy Mucky			R K, L)		k Surface (S9) (LRR K, L)
	Below Dark Surface	e (A11)	Loamy Gleyed		F2)			ganese Masses (F12) (LRR K, L, R)
	ark Surface (A12)		X Depleted Matri					t Floodplain Soils (F19) (MLRA 149B)
· ·	lucky Mineral (S1)		X Redox Dark Su	`	,			oodic (TA6) (MLRA 144A, 145, 149B)
	Bleyed Matrix (S4)		Depleted Dark		· /			ent Material (F21)
	edox (S5) Matrix (S6)		Redox Depress Marl (F10) (LR	•	0)			allow Dark Surface (F22)
	rface (S7)		Wall (F10) (LR	K N, L)				xplain in Remarks)
³ Indicators o	f hydrophytic vegetat	ion and v	vetland hydrology mi	ust be pr	resent, u	nless dist	urbed or problematic.	
Restrictive	Layer (if observed):							
Type:	N//	4						×
Depth (ir	nches):						Hydric Soil Presen	nt? Yes X No
Remarks:							-	
	m is revised from No 2015 Errata. (http://v							CS Field Indicators of Hydric Soils,
		www.mcs	.usua.gov/internet/1			3/11/514	2pz_031293.d0cx)	

Project/Site: Mohaw	k Solar		City/County: Montgomery County		Sampling Date: 6/15/2018
Applicant/Owner:	Mohawk Solar LLC		State	e: NY	Sampling Point: 1Up@WetNN
Investigator(s): John	Wojicikiewicz, Shelby Zo	emken	Section, Township, Range	: Town o	f Canajoharie and Minden
Landform (hillside, ter	race, etc.): Gentle slo	pe Local	relief (concave, convex, none): Con	vex	Slope %: 2
Subregion (LRR or MI	RA): LRR L	Lat: <u>42.88764</u>	Long: <u>-74.60807</u>		Datum: WGS84
Soil Map Unit Name:	Darien silt loam, 3 to 8	percent slopes	NWI clas	sification	: <u>N/A</u>
Are climatic / hydrolog	ic conditions on the site	typical for this time of year?	Yes X No	(If no,	explain in Remarks.)
Are Vegetation	, Soil, or Hydro	ogysignificantly distu	rbed? Are "Normal Circumsta	ices" pres	sent? Yes X No
Are Vegetation	, Soil, or Hydro	ogynaturally problem	atic? (If needed, explain any	answers i	n Remarks.)
SUMMARY OF F	INDINGS – Attach	site map showing san	npling point locations, trans	ects, in	nportant features, etc.

Hydrophytic Vegetation Present?	Yes		No	Х	Is the Sampled Area
Hydric Soil Present?	Yes	Х	No		within a Wetland? Yes No X
Wetland Hydrology Present?	Yes		No	Х	If yes, optional Wetland Site ID:
Remarks: (Explain alternative procedures h	ere or	in a se	eparat	e report.)	

Wetland Hydrology Indicators:		5	Secondary Indicators (min	nimum of two required)	
Primary Indicators (minimum of one is		Surface Soil Cracks (B6)			
Surface Water (A1)	Water-Stained Leaves (B9)	_	Drainage Patterns (B1	10)	
High Water Table (A2)	Aquatic Fauna (B13)		Moss Trim Lines (B16	6)	
Saturation (A3)	Marl Deposits (B15)	_	Dry-Season Water Ta	ble (C2)	
Water Marks (B1)	Hydrogen Sulfide Odor (C1)		Crayfish Burrows (C8))	
Sediment Deposits (B2)	Oxidized Rhizospheres on Living F	Roots (C3)	Saturation Visible on	Aerial Imagery (C9)	
Drift Deposits (B3)	Presence of Reduced Iron (C4)		Stunted or Stressed F	Plants (D1)	
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled So	ils (C6)	Geomorphic Position	(D2)	
Iron Deposits (B5)	Thin Muck Surface (C7)	_	Shallow Aquitard (D3))	
Inundation Visible on Aerial Imager	y (B7) Other (Explain in Remarks)	-	Microtopographic Reli	ief (D4)	
Sparsely Vegetated Concave Surfa	ice (B8)	_	FAC-Neutral Test (D5	5)	
Field Observations:					
Surface Water Present? Yes	No X Depth (inches):				
Water Table Present? Yes	No X Depth (inches):				
Saturation Present? Yes	No X Depth (inches):	Wetland	Hydrology Present?	Yes No X	
(includes capillary fringe)					
Describe Recorded Data (stream gauge	e, monitoring well, aerial photos, previous insp	pections), if av	vailable:		
Remarks:					

Sampling Point: 1Up@WetNN

Tree Stratum (Plot size:30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. 2.		·		Number of Dominant Species That Are OBL, FACW, or FAC:2 (A)
3		·		Total Number of Dominant Species Across All Strata: 6 (B)
5. 6.		·		Percent of Dominant Species That Are OBL, FACW, or FAC: <u>33.3%</u> (A/B)
7				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 30)				OBL species x 1 =
1. Cornus racemosa	15	Yes	FAC	FACW species 0 x 2 = 0
2. Asclepias syriaca	10	Yes	UPL	FAC species 40 x 3 =120
3. Rosa multiflora	10	Yes	FACU	FACU species 45 x 4 =180
4. Ranunculus sp.	10	Yes	FACU	UPL species25 x 5 =125
5.				Column Totals: 110 (A) 425 (B)
6.				Prevalence Index = B/A = 3.86
7.				Hydrophytic Vegetation Indicators:
	45	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 30)				2 - Dominance Test is >50%
1. Solidago sp.	25	Yes	FAC	3 - Prevalence Index is ≤3.0 ¹
2. Vicia cracca	15	Yes	UPL	4 - Morphological Adaptations ¹ (Provide supporting
	10	No	FACU	data in Remarks or on a separate sheet)
		No	FACU	Problematic Hydrophytic Vegetation ¹ (Explain)
	5	No	FACU	
5. <u>Rubus sp.</u> 6.	5		FACU	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
		·		
7				Definitions of Vegetation Strata:
8 9		·		Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
10. 11.		·		Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
12.				Herb – All herbaceous (non-woody) plants, regardless
	65	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30) 1.				Woody vines – All woody vines greater than 3.28 ft in height.
2				
3				Hydrophytic Vegetation
4.				Present? Yes No X
		=Total Cover		
Remarks: (Include photo numbers here or on a sepa	rate sheet.)	•		

Profile Desc	ription: (Describe	to the de	pth needed to doci	ument t	he indica	ator or co	onfirm the absence	of indicators.)
Depth	Matrix		Redo	x Featur	es			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-18	10YR 4/2	98	7.5YR 5/6	2	С	M	Loamy/Clayey	Clay Silt Loam
¹ Type: C=Co	oncentration. D=Dep	letion. RN	M=Reduced Matrix, N	/IS=Mas	ked Sand	d Grains.	² Location:	PL=Pore Lining, M=Matrix.
Hydric Soil I		,	,			-		for Problematic Hydric Soils ³ :
Histosol			Polyvalue Belo	w Surfa	ce (S8) (l	LRR R,	2 cm N	/luck (A10) (LRR K, L, MLRA 149B)
Histic Ep	ipedon (A2)		MLRA 149B)			Coast I	Prairie Redox (A16) (LRR K, L, R)
Black His	stic (A3)		Thin Dark Surf	ace (S9) (LRR R	, MLRA 1	149B) 5 cm M	lucky Peat or Peat (S3) (LRR K, L, R)
Hydrogei	n Sulfide (A4)		High Chroma S	Sands (S	611) (LR	R K, L)	Polyva	lue Below Surface (S8) (LRR K, L)
Stratified	Layers (A5)		Loamy Mucky	Mineral	(F1) (LR	R K, L)	Thin Da	ark Surface (S9) (LRR K, L)
Depleted	Below Dark Surface	e (A11)	Loamy Gleyed	Matrix (F2)		Iron-Ma	anganese Masses (F12) (LRR K, L, R)
Thick Da	rk Surface (A12)	. ,	X Depleted Matri		,			ont Floodplain Soils (F19) (MLRA 149B)
	ucky Mineral (S1)		Redox Dark Su		6)			Spodic (TA6) (MLRA 144A, 145, 149B)
	leyed Matrix (S4)		Depleted Dark	Surface	(F7)			arent Material (F21)
	edox (S5)		Redox Depres					hallow Dark Surface (F22)
	Matrix (S6)		 Marl (F10) (LR		,			Explain in Remarks)
	face (S7)			, ,				,
	. ,							
³ Indicators of	hydrophytic vegetat	tion and v	vetland hydrology mເ	ust be pr	resent, ur	nless dist	urbed or problematic	
	ayer (if observed):							
Type:	N//	4						
Depth (in	iches):						Hydric Soil Pres	ent? Yes <u>X</u> No
Remarks:							•	
								RCS Field Indicators of Hydric Soils,
Version 7.0, 2	2015 Errata. (http://v	ww.nrcs	.usda.gov/Internet/F	SE_DOC	JUMENI	S/nrcs14	2p2_051293.docx)	

Project/Site: Mohaw	k Solar		City/County: Montgomery County		Sampling Date: 6/15/2018
Applicant/Owner:	Mohawk Solar LLC		State	e: NY	Sampling Point: 1Up@WetNN
Investigator(s): John	Wojicikiewicz, Shelby Zo	emken	Section, Township, Range	: Town o	f Canajoharie and Minden
Landform (hillside, ter	race, etc.): Gentle slo	pe Local	relief (concave, convex, none): Con	vex	Slope %: 2
Subregion (LRR or MI	RA): LRR L	Lat: <u>42.88764</u>	Long: <u>-74.60807</u>		Datum: WGS84
Soil Map Unit Name:	Darien silt loam, 3 to 8	percent slopes	NWI clas	sification	: <u>N/A</u>
Are climatic / hydrolog	ic conditions on the site	typical for this time of year?	Yes X No	(If no,	explain in Remarks.)
Are Vegetation	, Soil, or Hydro	ogysignificantly distu	rbed? Are "Normal Circumsta	ices" pres	sent? Yes X No
Are Vegetation	, Soil, or Hydro	ogynaturally problem	atic? (If needed, explain any	answers i	n Remarks.)
SUMMARY OF F	INDINGS – Attach	site map showing san	npling point locations, trans	ects, in	nportant features, etc.

Hydrophytic Vegetation Present?	Yes		No	Х	Is the Sampled Area
Hydric Soil Present?	Yes	Х	No		within a Wetland? Yes No X
Wetland Hydrology Present?	Yes		No	Х	If yes, optional Wetland Site ID:
Remarks: (Explain alternative procedures h	ere or	in a se	eparat	e report.)	

Wetland Hydrology Indicators:		5	Secondary Indicators (min	nimum of two required)	
Primary Indicators (minimum of one is		Surface Soil Cracks (B6)			
Surface Water (A1)	Water-Stained Leaves (B9)	_	Drainage Patterns (B1	10)	
High Water Table (A2)	Aquatic Fauna (B13)		Moss Trim Lines (B16	6)	
Saturation (A3)	Marl Deposits (B15)	_	Dry-Season Water Ta	ble (C2)	
Water Marks (B1)	Hydrogen Sulfide Odor (C1)		Crayfish Burrows (C8))	
Sediment Deposits (B2)	Oxidized Rhizospheres on Living F	Roots (C3)	Saturation Visible on	Aerial Imagery (C9)	
Drift Deposits (B3)	Presence of Reduced Iron (C4)		Stunted or Stressed F	Plants (D1)	
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled So	ils (C6)	Geomorphic Position	(D2)	
Iron Deposits (B5)	Thin Muck Surface (C7)	_	Shallow Aquitard (D3))	
Inundation Visible on Aerial Imager	y (B7) Other (Explain in Remarks)	-	Microtopographic Reli	ief (D4)	
Sparsely Vegetated Concave Surfa	ice (B8)	_	FAC-Neutral Test (D5	5)	
Field Observations:					
Surface Water Present? Yes	No X Depth (inches):				
Water Table Present? Yes	No X Depth (inches):				
Saturation Present? Yes	No X Depth (inches):	Wetland	Hydrology Present?	Yes No X	
(includes capillary fringe)					
Describe Recorded Data (stream gauge	e, monitoring well, aerial photos, previous insp	pections), if av	vailable:		
Remarks:					

Sampling Point: 1Up@WetNN

Tree Stratum (Plot size:30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. 2.		·		Number of Dominant Species That Are OBL, FACW, or FAC:2 (A)
3		·		Total Number of Dominant Species Across All Strata: 6 (B)
5. 6.		·		Percent of Dominant Species That Are OBL, FACW, or FAC: <u>33.3%</u> (A/B)
7				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 30)				OBL species x 1 =
1. Cornus racemosa	15	Yes	FAC	FACW species 0 x 2 = 0
2. Asclepias syriaca	10	Yes	UPL	FAC species 40 x 3 =120
3. Rosa multiflora	10	Yes	FACU	FACU species 45 x 4 =180
4. Ranunculus sp.	10	Yes	FACU	UPL species25 x 5 =125
5.				Column Totals: 110 (A) 425 (B)
6.				Prevalence Index = B/A = 3.86
7.				Hydrophytic Vegetation Indicators:
	45	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 30)				2 - Dominance Test is >50%
1. Solidago sp.	25	Yes	FAC	3 - Prevalence Index is ≤3.0 ¹
2. Vicia cracca	15	Yes	UPL	4 - Morphological Adaptations ¹ (Provide supporting
	10	No	FACU	data in Remarks or on a separate sheet)
		No	FACU	Problematic Hydrophytic Vegetation ¹ (Explain)
	5	No	FACU	
5. <u>Rubus sp.</u> 6.	5		FACU	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
		·		
7				Definitions of Vegetation Strata:
8 9		·		Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
10. 11.		·		Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
12.				Herb – All herbaceous (non-woody) plants, regardless
	65	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30) 1.				Woody vines – All woody vines greater than 3.28 ft in height.
2				
3				Hydrophytic Vegetation
4.				Present? Yes No X
		=Total Cover		
Remarks: (Include photo numbers here or on a sepa	rate sheet.)	•		

Profile Desc	ription: (Describe	to the de	pth needed to doci	ument t	he indica	ator or co	onfirm the absence	of indicators.)
Depth	Matrix		Redo	x Featur	es			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-18	10YR 4/2	98	7.5YR 5/6	2	С	M	Loamy/Clayey	Clay Silt Loam
¹ Type: C=Co	oncentration. D=Dep	letion. RN	M=Reduced Matrix, N	/IS=Mas	ked Sand	d Grains.	² Location:	PL=Pore Lining, M=Matrix.
Hydric Soil I		,	,			-		for Problematic Hydric Soils ³ :
Histosol			Polyvalue Belo	w Surfa	ce (S8) (l	LRR R,	2 cm N	/luck (A10) (LRR K, L, MLRA 149B)
Histic Ep	ipedon (A2)		MLRA 149B)			Coast I	Prairie Redox (A16) (LRR K, L, R)
Black His	stic (A3)		Thin Dark Surf	ace (S9) (LRR R	, MLRA 1	149B) 5 cm M	lucky Peat or Peat (S3) (LRR K, L, R)
Hydrogei	n Sulfide (A4)		High Chroma S	Sands (S	611) (LR	R K, L)	Polyva	lue Below Surface (S8) (LRR K, L)
Stratified	Layers (A5)		Loamy Mucky	Mineral	(F1) (LR	R K, L)	Thin Da	ark Surface (S9) (LRR K, L)
Depleted	Below Dark Surface	e (A11)	Loamy Gleyed	Matrix (F2)		Iron-Ma	anganese Masses (F12) (LRR K, L, R)
Thick Da	rk Surface (A12)	. ,	X Depleted Matri		,			ont Floodplain Soils (F19) (MLRA 149B)
	ucky Mineral (S1)		Redox Dark Su		6)			Spodic (TA6) (MLRA 144A, 145, 149B)
	leyed Matrix (S4)		Depleted Dark	Surface	(F7)			arent Material (F21)
	edox (S5)		Redox Depres					hallow Dark Surface (F22)
	Matrix (S6)		 Marl (F10) (LR		,			Explain in Remarks)
	face (S7)			, ,				,
	. ,							
³ Indicators of	hydrophytic vegetat	tion and v	vetland hydrology mເ	ust be pr	resent, ur	nless dist	urbed or problematic	
	ayer (if observed):							
Type:	N//	4						
Depth (in	iches):						Hydric Soil Pres	ent? Yes <u>X</u> No
Remarks:							•	
								RCS Field Indicators of Hydric Soils,
Version 7.0, 2	2015 Errata. (http://v	ww.nrcs	.usda.gov/Internet/F	SE_DOC	JUMENI	S/nrcs14	2p2_051293.docx)	

Project/Site: Mohawk	Solar			City/County: Montgome	City/County: Montgomery County				
Applicant/Owner: <u>N</u>	/lohawk Solar LLC				State: NY	Sampling Point: <u>1wet@wetO</u>			
Investigator(s): John W	/ojcikiewicz, Shelby Ze	nken		Section, Town	ship, Range: <u>Town of</u>	f Canajoharie and Minden			
Landform (hillside, terrae	ce, etc.): <u>Hillslope</u>		Loca	relief (concave, convex,	none): <u>Concave</u>	Slope %: 3			
Subregion (LRR or MLR	A): LRR L	Lat:	42.8863	Long: _7	74.6468	Datum: WGS84			
Soil Map Unit Name: D)arien silt loam, 3 to 8 r	percent slo	opes		NWI classification:	: PEM/ PSS/ PFO			
Are climatic / hydrologic	conditions on the site	ypical for	this time of year?	Yes X	No (If no,	explain in Remarks.)			
Are Vegetation,	Soil, or Hydrol [,]	ogy	significantly distu	rbed? Are "Normal	Circumstances" pres	sent? Yes X No			
Are Vegetation,	Soil, or Hydrol [,]	ogy	naturally problem	atic? (If needed, e	explain any answers i	n Remarks.)			
SUMMARY OF FIN	IDINGS – Attach s	ite mar	p showing sar	npling point locatio	ns, transects, in	nportant features, etc.			
Hydrophytic Vegetatior	Present?	Yes X	No	Is the Sampled Area	a				
Hydric Soil Present?		Yes X	No	within a Wetland?	Yes X	No			
Wetland Hydrology Pre	sent?	Yes <u>X</u>	No	If yes, optional Wetla	nd Site ID:				

Remarks: (Explain alternative procedures here or in a separate report.)

Wetland Hydrology Indicators:			Secondary Indicators (minimum of two required)		
Primary Indicators (minimum of one is re	Surface Soil Cracks (B6)				
X Surface Water (A1)	Water-Stained Leaves (B9)		Drainage Patterns (B10)		
X High Water Table (A2)	Aquatic Fauna (B13)		Moss Trim Lines (B16)		
X Saturation (A3)	Marl Deposits (B15)		Dry-Season Water Table (C2)		
Water Marks (B1)	Hydrogen Sulfide Odor (C1)		Crayfish Burrows (C8)		
Sediment Deposits (B2)	Oxidized Rhizospheres on Living F	loots (C3)	Saturation Visible on Aerial Imagery (C9)		
Drift Deposits (B3)	Presence of Reduced Iron (C4)		Stunted or Stressed Plants (D1)		
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled So	ls (C6)	Geomorphic Position (D2)		
Iron Deposits (B5)	Thin Muck Surface (C7)		Shallow Aquitard (D3)		
Inundation Visible on Aerial Imagery	(B7) Other (Explain in Remarks)		Microtopographic Relief (D4)		
Sparsely Vegetated Concave Surface	e (B8)		FAC-Neutral Test (D5)		
Field Observations:					
Surface Water Present? Yes X	No Depth (inches): 2				
Water Table Present? Yes X	No Depth (inches): 0				
Saturation Present? Yes X	No Donth (inchoo): 0	14/- 41	d Hadrada wa Russa wa 10 🛛 😽 Vara 💚 Na		
Saturation Present? Yes X	No Depth (inches): 0	vvetian	d Hydrology Present? Yes X No		
(includes capillary fringe)	No Depth (inches):0	wetian	a Hydrology Present? Yes X No		
(includes capillary fringe)	monitoring well, aerial photos, previous insp				
(includes capillary fringe)					
(includes capillary fringe)					
(includes capillary fringe)					
(includes capillary fringe) Describe Recorded Data (stream gauge,					
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(includes capillary fringe) Describe Recorded Data (stream gauge,					
(includes capillary fringe) Describe Recorded Data (stream gauge,					

Sampling Point: 1wet@wetO

% Cover 10 5	Species? Yes	Status	Dominance Test worksheet:
		FAC	
	Yes	FACW	Number of Dominant SpeciesThat Are OBL, FACW, or FAC:5(A
	·		
			Total Number of Dominant Species Across All Strata: 5 (E
	·		Percent of Dominant Species That Are OBL, FACW, or FAC: 100.0% (A
			Prevalence Index worksheet:
15	=Total Cover		Total % Cover of: Multiply by:
			OBL species 10 x 1 = 10
15	Yes	FACW	FACW species 90 x 2 = 180
10	Yes	FAC	FAC species 30 x 3 = 90
5	No	FACU	FACU species 5 x 4 = 20
			UPL species 0 x 5 = 0
			Column Totals: 135 (A) 300
			Prevalence Index = B/A = 2.22
			Hydrophytic Vegetation Indicators:
30	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
			X 2 - Dominance Test is >50%
50	Yes	FACW	X 3 - Prevalence Index is ≤3.0 ¹
5	No	OBL	4 - Morphological Adaptations ¹ (Provide suppo
10			data in Remarks or on a separate sheet)
10	·		Problematic Hydrophytic Vegetation ¹ (Explain)
			¹ Indicators of hydric soil and wetland hydrology mu be present, unless disturbed or problematic.
	110	TAO	Definitions of Vegetation Strata:
	· · · · · · · · · · · · · · · · · · ·		Deminions of Vegetation offata.
	·		Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height
			Sapling/shrub – Woody plants less than 3 in. DBI and greater than or equal to 3.28 ft (1 m) tall.
90	=Total Cover		Herb – All herbaceous (non-woody) plants, regardl of size, and woody plants less than 3.28 ft tall.
			Woody vines – All woody vines greater than 3.28 height.
	·		Hydrophytic
	·		Vegetation Present? Yes X No
	=Total Cover		
	15 10 5 	15 Yes 10 Yes 5 No 5 No 30 =Total Cover 50 Yes 5 No 10 No	15 Yes FACW 10 Yes FAC 5 No FACU 5 No FACU 30 =Total Cover

Profile Desc	ription: (Describe	to the de	epth needed to docu	ument t	he indica	ator or c	onfirm the absence of i	ndicators.)
Depth	Matrix		Redox	x Featur				
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-6	10YR 3/1	95	7.5YR 5/6	5	С	Μ	Loamy/Clayey	Clay Silt Loam
6-12	10YR 2/1	90	7.5YR 5/6	10	С	Μ	Loamy/Clayey	Clay Silt Loam
12-16	N 5/	60	7.5YR 5/6	40	С	Μ	Loamy/Clayey	Gley 1 5/N, Clay Loam
¹ Type: C=Cd Hydric Soil Histic Ep Black Hi Hydroge Stratified Depleted Thick Da Sandy M Sandy M Sandy R Sandy R Stripped Dark Sul ³ Indicators o Restrictive I Type: Depth (in Remarks: This data for	Dincentration, D=Depl Indicators: (A1) Dipedon (A2) stic (A3) in Sulfide (A4) d Layers (A5) d Below Dark Surface ark Surface (A12) flucky Mineral (S1) dileyed Matrix (S4) ducky Mineral (S1) dileyed Matrix (S4) ducky Mineral (S1) dileyed Matrix (S4) flucky Mineral (S1) dileyed Matrix (S4) ducky Mineral (S1) dileyed Matrix (S4) flucky Mineral (S1) dileyed Matrix (S4) ducky Mineral (S1) dileyed Matrix (S6) dileyed Matrix (S6) dileyeed Matrix (S6) dileyeed Matrix (S6) dileyeed Matrix (S6) dileyeed Ma	etion, RN	A=Reduced Matrix, M Polyvalue Belo MLRA 149B Thin Dark Surfa High Chroma S Loamy Mucky I X Loamy Gleyed Depleted Matrix X Redox Dark Su Depleted Dark Redox Depress Marl (F10) (LRI vetland hydrology mu	IS=Mas w Surfa) ace (S9) Sands (S Mineral Matrix (x (F3) Inface (F Surface sions (Fi R K, L) ust be pu	ked Sand ce (S8) (I) (LRR R S11) (LRI (F1) (LRI F2) 56) 5 (F7) 8) resent, ur	LRR R, MLRA (R K, L) R K, L)	2Location: PL= Indicators for 2 cm Muck Coast Prai Polyvalue I Thin Dark 3 Polyvalue I Thin Dark 3 Iron-Manga Piedmont I Mesic Spo Red Paren Very Shalle Other (Exp urbed or problematic. Hydric Soil Present? 2.0 to include the NRCS	Pore Lining, M=Matrix. Problematic Hydric Soils ³ : (A10) (LRR K, L, MLRA 149B) rie Redox (A16) (LRR K, L, R) y Peat or Peat (S3) (LRR K, L, R) Selow Surface (S8) (LRR K, L) Surface (S9) (LRR K, L) Surface (S9) (LRR K, L) anese Masses (F12) (LRR K, L, R) Floodplain Soils (F19) (MLRA 149B) dic (TA6) (MLRA 144A, 145, 149B) t Material (F21) bw Dark Surface (F22) lain in Remarks)

Project/Site: Mohawk Solar	City/Co	unty: Montgomery County	Sampling Date: 10/26/17
Applicant/Owner: Mohawk Solar LLC		State: N	Y Sampling Point: <u>1Up@WetO</u>
Investigator(s): John Wojcikiewicz, Shelby Zemken		Section, Township, Range: Town	n of Canajoharie and Minden
Landform (hillside, terrace, etc.): Farm Field	Local relief (co	ncave, convex, none): <u>None</u>	Slope %: 0
Subregion (LRR or MLRA): LRR L La	t: 42.8864	Long: <u>-74.6469</u>	Datum: WGS84
Soil Map Unit Name: Darien silt loam, 3 to 8 percent s	slopes	NWI classificati	on: N/A
Are climatic / hydrologic conditions on the site typical for	or this time of year?	Yes X No (If n	o, explain in Remarks.)
Are Vegetation, Soil, or Hydrology	significantly disturbed?	Are "Normal Circumstances" p	resent? Yes X No
Are Vegetation, Soil, or Hydrology	naturally problematic?	(If needed, explain any answer	s in Remarks.)
SUMMARY OF FINDINGS – Attach site ma	ap showing sampling p	point locations, transects,	important features, etc.

Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?	Yes Yes Yes	No X No No X	Is the Sampled Area within a Wetland? Yes No X If yes, optional Wetland Site ID:				
Remarks: (Explain alternative procedures here or in a separate report.)							

Wetland Hydrology Indicators:			Secondary Indicators (mini	imum of two required)
Primary Indicators (minimum of one is require	Surface Soil Cracks (B6)			
Surface Water (A1)	Drainage Patterns (B10)			
High Water Table (A2)	Moss Trim Lines (B16))		
Saturation (A3)	Marl Deposits (B15)		Dry-Season Water Tal	ble (C2)
Water Marks (B1)	Hydrogen Sulfide Odor (C1)		Crayfish Burrows (C8)	
Sediment Deposits (B2)	Oxidized Rhizospheres on Living Ro	oots (C3)	Saturation Visible on A	Aerial Imagery (C9)
Drift Deposits (B3)	Presence of Reduced Iron (C4)		Stunted or Stressed P	lants (D1)
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soils	s (C6)	Geomorphic Position ((D2)
Iron Deposits (B5)	Thin Muck Surface (C7)		Shallow Aquitard (D3)	
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks)		Microtopographic Relie	ef (D4)
Sparsely Vegetated Concave Surface (E	38)		FAC-Neutral Test (D5))
Field Observations:				
Surface Water Present? Yes	No X Depth (inches):			
Water Table Present? Yes				
	No X Depth (inches):			
Saturation Present? Yes	No X Depth (inches):	Wetlan	d Hydrology Present?	Yes No X
		Wetlan	d Hydrology Present?	Yes <u>No X</u>
Saturation Present? Yes	No X Depth (inches):		, ,,	Yes NoX
Saturation Present? Yes (includes capillary fringe)	No X Depth (inches):		, ,,	Yes <u>No X</u>
Saturation Present? Yes (includes capillary fringe)	No X Depth (inches):		, ,,	YesNoX
Saturation Present? Yes (includes capillary fringe)	No X Depth (inches):		, ,,	Yes NoX
Saturation Present? Yes (includes capillary fringe) Describe Recorded Data (stream gauge, mo	No X Depth (inches):		, ,,	YesNoX
Saturation Present? Yes (includes capillary fringe) Describe Recorded Data (stream gauge, mo	No X Depth (inches):		, ,,	Yes <u>No X</u>
Saturation Present? Yes (includes capillary fringe) Describe Recorded Data (stream gauge, mo	No X Depth (inches):		, ,,	Yes <u>No X</u>
Saturation Present? Yes (includes capillary fringe) Describe Recorded Data (stream gauge, mo	No X Depth (inches):		, ,,	Yes <u>No X</u>
Saturation Present? Yes (includes capillary fringe) Describe Recorded Data (stream gauge, mo	No X Depth (inches):		, ,,	Yes No X
Saturation Present? Yes (includes capillary fringe) Describe Recorded Data (stream gauge, mo	No X Depth (inches):		, ,,	Yes <u>No X</u>
Saturation Present? Yes (includes capillary fringe) Describe Recorded Data (stream gauge, mo	No X Depth (inches):		, ,,	Yes <u>No X</u>
Saturation Present? Yes (includes capillary fringe) Describe Recorded Data (stream gauge, mo	No X Depth (inches):		, ,,	Yes <u>No X</u>

Sampling Point: 1Up@WetO

Tree Stratum (Plot size:30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. 2.				Number of Dominant Species That Are OBL, FACW, or FAC:0(A)
3. 4.				Total Number of Dominant Species Across All Strata: <u>2</u> (B)
5. 6.				Percent of Dominant Species That Are OBL, FACW, or FAC:0.0% (A/B)
7				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15)				OBL species 0 x 1 = 0
1				FACW species 0 x 2 = 0
2.				FAC species 10 x 3 = 30
3.				FACU species 65 x 4 = 260
4.				UPL species 50 x 5 = 250
5.				Column Totals: 125 (A) 540 (B)
6.				Prevalence Index = B/A = 4.32
7.				Hydrophytic Vegetation Indicators:
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
<u>Herb Stratum</u> (Plot size: 15)				2 - Dominance Test is >50%
1. Vicia cracca	50	Yes	UPL	3 - Prevalence Index is ≤3.0 ¹
2. Trifolium repens	50	Yes	FACU	4 - Morphological Adaptations ¹ (Provide supporting
3. Phalaris arundinacea	10	No	FACU	data in Remarks or on a separate sheet)
4. Taraxacum officinale	5	No	FACU	Problematic Hydrophytic Vegetation ¹ (Explain)
5. Asclepias sp.	10	No	FAC	
6.				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7.				Definitions of Vegetation Strata:
8 9				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
10				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
12	125	=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size:30) 1.				Woody vines – All woody vines greater than 3.28 ft in height.
2				
3.				Hydrophytic Vegetation
4.				Present? Yes No X
		=Total Cover		
Remarks: (Include photo numbers here or on a sepa	rate sheet.)			

Profile Desci	ription: (Describe f	to the de	pth needed to docu	ument t	he indica	ator or co	onfirm the absence o	of indicators.)
Depth	Matrix		Redo	x Featur		<u> </u>		
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-8	10YR 4/2	100					Loamy/Clayey	
8-16	10Yr 5/2	95	7.5YR 5/6	5	С	М	Loamy/Clayey	Silty Loam
						. <u> </u>		
						. <u> </u>		
		otion PM	Reduced Matrix, N	19-Mac	kod Sand	Grains	² Location:	PL=Pore Lining, M=Matrix.
Hydric Soil I				10-11185	Keu Sano	Giains.		or Problematic Hydric Soils ³ :
Histosol (Polyvalue Belo	w Surfa	ce (S8) (I	LRR R,		uck (A10) (LRR K, L, MLRA 149B)
	, pedon (A2)		 MLRA 149B		(- / (,		rairie Redox (A16) (LRR K, L, R)
Black His			Thin Dark Surf	ace (S9) (LRR R	, MLRA 1		ucky Peat or Peat (S3) (LRR K, L, R)
Hydroger	Sulfide (A4)		High Chroma S	Sands (S	611) (LRF	R K, L)	Polyvalu	ue Below Surface (S8) (LRR K, L)
Stratified	Layers (A5)		Loamy Mucky	Mineral	(F1) (LRI	R K, L)	Thin Da	rk Surface (S9) (LRR K, L)
	Below Dark Surface	e (A11)	Loamy Gleyed		F2)		Iron-Ma	nganese Masses (F12) (LRR K, L, R)
	k Surface (A12)		X Depleted Matri					nt Floodplain Soils (F19) (MLRA 149B)
	ucky Mineral (S1)		Redox Dark Su	-				podic (TA6) (MLRA 144A, 145, 149B)
	eyed Matrix (S4)		Depleted Dark					rent Material (F21)
Sandy Re	. ,		Redox Depress		8)			allow Dark Surface (F22)
	Matrix (S6)		Marl (F10) (LR	R K, L)				Explain in Remarks)
Dark Surf	ace (37)							
³ Indicators of	hvdrophytic vegetat	ion and w	etland hydrology mu	ust be pr	resent. ur	nless dist	urbed or problematic.	
	ayer (if observed):		, , , , , , , , , , , , , , , , , , , ,		,		1	
Туре:	N/A	λ						
Depth (in	ches):						Hydric Soil Prese	nt? Yes <u>X</u> No
Remarks:								
			and Northeast Regi usda.gov/Internet/FS					CS Field Indicators of Hydric Soils,
, -							,	

Project/Site: Mohawk Solar		c	Sampling Date: 6/13/2018		
Applicant/Owner: Mohawk Solar LLC			State:	NY	Sampling Point: 1Wet@Wet00
Investigator(s): John Wojicikiewicz, Sam B	3eguin		Section, Township, Range: 1	Fown of C	Canajoharie and Minden
Landform (hillside, terrace, etc.): Gently	sloping shrub	land Local rel	ef (concave, convex, none): Concav	ve	Slope %: <u>1-2</u>
Subregion (LRR or MLRA): LRR L	Lat:	42.892446	Long: -74.614112		Datum: WGS84
Soil Map Unit Name: Madalin silty clay loa	am		NWI classif	ication:	PSS
Are climatic / hydrologic conditions on the s	site typical for	this time of year?	Yes X No	(If no, e	xplain in Remarks.)
Are Vegetation, Soil, or Hyd	drology	_significantly disturber	d? Are "Normal Circumstance	s" prese	nt? Yes <u>X</u> No
Are Vegetation, Soil, or Hyd	drology	naturally problematic	? (If needed, explain any ans	swers in	Remarks.)
SUMMARY OF FINDINGS – Attac	:h site mar	p showing sampl	ing point locations, transec	cts, imp	portant features, etc.
Hydrophytic Vegetation Present?	Yes X	No	Is the Sampled Area		
Hydric Soil Present?	Yes X	No	within a Wetland? Yes	Х	No
Wetland Hydrology Present?	Yes X	No	If yes, optional Wetland Site ID:		
Remarks: (Explain alternative procedures	here or in a s	separate report.)			

Wetland Hydrology Indicators:			Secondary Indicators (minimum of two required)		
Primary Indicators (minimum of one is requir	Surface Soil Cracks (B6)				
Surface Water (A1)	Water-Stained Leaves (B9)		Drainage Patterns (B10)		
X High Water Table (A2)	Aquatic Fauna (B13)		Moss Trim Lines (B16)		
X Saturation (A3)	Marl Deposits (B15)		Dry-Season Water Table (C2)		
Water Marks (B1)	Hydrogen Sulfide Odor (C1)		Crayfish Burrows (C8)		
Sediment Deposits (B2)	Oxidized Rhizospheres on Living Ro	oots (C3)	Saturation Visible on Aerial Imagery (C9)		
Drift Deposits (B3)	Presence of Reduced Iron (C4)		Stunted or Stressed Plants (D1)		
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soils	s (C6)	Geomorphic Position (D2)		
Iron Deposits (B5)	Thin Muck Surface (C7)		Shallow Aquitard (D3)		
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks)		Microtopographic Relief (D4)		
Sparsely Vegetated Concave Surface (B	8)		FAC-Neutral Test (D5)		
Field Observations:					
Surface Water Present? Yes	No X Depth (inches):				
Water Table Present? Yes X	No Depth (inches): 4				
Saturation Present? Yes X	No Depth (inches): 0	Wetlar	nd Hydrology Present? Yes X No		
(includes capillary fringe)					
Describe Recorded Data (stream gauge, mo	nitoring well, aerial photos, previous inspe	ections), if	available:		
Remarks:					
Remarks.					

Sampling Point: 1Wet@WetOO

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. Fraxinus pennsylvanica	15	Yes	FACW	
2				Number of Dominant Species That Are OBL, FACW, or FAC: 9 (A)
3				Total Number of Dominant
4				Species Across All Strata: 10 (B)
5		·		Percent of Dominant Species
6				That Are OBL, FACW, or FAC: 90.0% (A/B)
7.				Prevalence Index worksheet:
	15	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15)				OBL species 25 x 1 = 25
1. Viburnum dentatum	10	Yes	FAC	FACW species 55 x 2 = 110
2. Viburnum lentago	15	Yes	FAC	FAC species 25 x 3 = 75
3. Cornus amomum	10	Yes	FACW	FACU species 10 x 4 = 40
4. Salix discolor	10	Yes	FACW	UPL species $0 \times 5 = 0$
5. Lonicera morrowii	10	Yes	FACU	Column Totals: 115 (A) 250 (B
6.	10		1400	Prevalence Index = $B/A = 2.17$
7.		·		
1.		-Tatal Causar		Hydrophytic Vegetation Indicators:
	55	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5)				X 2 - Dominance Test is >50%
1. Symphyotrichum puniceum	10	Yes	OBL	X 3 - Prevalence Index is $\leq 3.0^{1}$
2. Onoclea sensibilis	10	Yes	FACW	4 - Morphological Adaptations ¹ (Provide supportindata in Remarks or on a separate sheet)
3. Eupatorium perfoliatum	10	Yes	FACW	
4. Carex lurida	15	Yes	OBL	Problematic Hydrophytic Vegetation ¹ (Explain)
5				¹ Indicators of hydric soil and wetland hydrology must
6				be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8				Tree – Woody plants 3 in. (7.6 cm) or more in
9				diameter at breast height (DBH), regardless of height
10				Sapling/shrub – Woody plants less than 3 in. DBH
11.				and greater than or equal to 3.28 ft (1 m) tall.
12.				
	45	=Total Cover		Herb – All herbaceous (non-woody) plants, regardles of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30)				
,				Woody vines – All woody vines greater than 3.28 ft in height.
2		<u> </u>		- Hoight.
3		·		Hydrophytic
		·		Vegetation
4				Present? Yes X No
		=Total Cover		

SOIL

DepthMatrixRedox Features(inches)Color (moist)%Color (moist)%Type1Loc2TextureRemarks0-510YR 2/1907.5YR 5/610CMLoamy/ClayeySilty clay loam5-1610YR 3/1807.5YR 5/620CMLoamy/ClayeyClay Loam	
0-5 10YR 2/1 90 7.5YR 5/6 10 C M Loamy/Clayey Silty clay loam	
5-16 10YR 3/1 80 7.5YR 5/6 20 C M Loamy/Clayey Clay Loam	
	—
¹ Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. ² Location: PL=Pore Lining, M=Matrix.	
Hydric Soil Indicators: Indicators for Problematic Hydric Soils ³ :	
Histosol (A1)Polyvalue Below Surface (S8) (LRR R,2 cm Muck (A10) (LRR K, L, MLRA 149B)	
Histic Epipedon (A2) MLRA 149B) 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, F	र)
Hydrogen Sulfide (A4) High Chroma Sands (S11) (LRR K, L) Polyvalue Below Surface (S8) (LRR K, L)	
Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Thin Dark Surface (S9) (LRR K, L)	
Depleted Below Dark Surface (A11) Loamy Gleyed Matrix (F2) Iron-Manganese Masses (F12) (LRR K, L, I	R)
Thick Dark Surface (A12)Depleted Matrix (F3)Piedmont Floodplain Soils (F19) (MLRA 14)	9B)
Sandy Mucky Mineral (S1) X Redox Dark Surface (F6) Mesic Spodic (TA6) (MLRA 144A, 145, 149	B)
Sandy Gleyed Matrix (S4) Depleted Dark Surface (F7) Red Parent Material (F21)	
Sandy Redox (S5) Redox Depressions (F8) Very Shallow Dark Surface (F22)	
Stripped Matrix (S6) Marl (F10) (LRR K, L) Other (Explain in Remarks)	
Dark Surface (S7)	
3	
³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.	
Restrictive Layer (if observed): Type: N/A	
Depth (inches): Hydric Soil Present? Yes X No	-
Remarks:	
This data form is revised from Northcentral and Northeast Regional Supplement Version 2.0 to include the NRCS Field Indicators of Hydric Soils,	
Version 7.0, 2015 Errata. (http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs142p2_051293.docx)	

Project/Site: Mohaw	k Solar				City/Co	unty: Montgor	nery County		Sampling Date: 6	6/13/2018
Applicant/Owner:	Mohawk So	lar LLC					State:	NY	Sampling Point:	1Up@WetOO
Investigator(s): John	Wojicikiewic	z, Sam Beguin				Section, Tow	/nship, Range: _	Town of	Canajoharie and M	linden
Landform (hillside, ter	race, etc.):	Gently sloping	shrubla	and	Local relief (co	ncave, conve	, none): <u>Conca</u>	ve	Slope	%: <u>1-2</u>
Subregion (LRR or MI	_RA): <u>LRR</u>	L	Lat:	42.892411		Long:	-74.613947		Datum:	WGS84
Soil Map Unit Name:	Madalin silty	/ clay loam					NWI classi	fication:		
Are climatic / hydrolog	gic conditions	on the site typic	al for t	his time of y	/ear?	Yes X	No	(If no,	explain in Remarks)
Are Vegetation	, Soil	, or Hydrology		significantly	disturbed?	Are "Norm	al Circumstance	es" pres	ent? Yes <u>X</u>	No
Are Vegetation	, Soil	, or Hydrology		naturally pro	oblematic?	(If needed	, explain any an	swers ir	n Remarks.)	
SUMMARY OF F	INDINGS -	- Attach site	map	showing	sampling p	oint locati	ons, transed	cts, im	portant featur	es, etc.

Hydrophytic Vegetation Present?	Yes	No X	Is the Sampled Area within a Wetland? Yes No X If yes, optional Wetland Site ID:
Hydric Soil Present?	Yes	No X	
Wetland Hydrology Present?	Yes	No X	
Remarks: (Explain alternative procedu	ires here or in a	separate report.)	

Wetland Hydrology Indicators:			Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is require	ed; 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)	Oxidized Rhizospheres on Living Ro	oots (C3)	Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3)	Presence of Reduced Iron (C4)		Stunted or Stressed Plants (D1)
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soils	s (C6)	Geomorphic Position (D2)
Iron Deposits (B5)	Thin Muck Surface (C7)		Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks)		Microtopographic Relief (D4)
Sparsely Vegetated Concave Surface (E	38)		FAC-Neutral Test (D5)
Field Observations:			
Surface Water Present? Yes	No X Depth (inches):		
Water Table Present? Yes	No X Depth (inches):		
Saturation Present? Yes	No X Depth (inches):	Wetland	d Hydrology Present? Yes No X
(includes capillary fringe)			
(included capitaly inige)			
Describe Recorded Data (stream gauge, mc	nitoring well, aerial photos, previous inspe	ctions), if a	vailable:
	nitoring well, aerial photos, previous inspe	ctions), if a	vailable:
Describe Recorded Data (stream gauge, mo	nitoring well, aerial photos, previous inspe	ctions), if a	vailable:
	nitoring well, aerial photos, previous inspe	ctions), if a	vailable:
Describe Recorded Data (stream gauge, mo	nitoring well, aerial photos, previous inspe	ctions), if a	vailable:
Describe Recorded Data (stream gauge, mo	nitoring well, aerial photos, previous inspe	ctions), if a	vailable:
Describe Recorded Data (stream gauge, mo	nitoring well, aerial photos, previous inspe	ctions), if a	vailable:
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Describe Recorded Data (stream gauge, mo	nitoring well, aerial photos, previous inspe	ctions), if a	vailable:
Describe Recorded Data (stream gauge, mo	nitoring well, aerial photos, previous inspe	ctions), if a	vailable:
Describe Recorded Data (stream gauge, mo	nitoring well, aerial photos, previous inspe	ctions), if a	vailable:

Sampling Point: 1Up@WetOO

<u>Free Stratum</u> (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
·^				Number of Dominant Species
				That Are OBL, FACW, or FAC:(A)
				Total Number of Dominant Species Across All Strata: 4 (B)
j.				
).				Percent of Dominant Species That Are OBL, FACW, or FAC: 25.0% (A/
, 				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15)			OBL species 0 x 1 = 0
. Rhamnus cathartica	20	Yes	FAC	FACW species 0 x 2 = 0
. Lonicera morrowii	15	Yes	FACU	FAC species <u>35</u> x 3 = <u>105</u>
. Viburnum dentatum	10	No	FAC	FACU species <u>55</u> x 4 = <u>220</u>
Cornus racemosa	5	No	FAC	UPL species <u>5</u> x 5 = <u>25</u>
. Rosa multiflora	5	No	FACU	Column Totals: 95 (A) 350 (
S				Prevalence Index = B/A = 3.68
				Hydrophytic Vegetation Indicators:
	55	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5)				2 - Dominance Test is >50%
. Solidago canadensis	25	Yes	FACU	3 - Prevalence Index is ≤3.0 ¹
. Rubus allegheniensis	10	Yes	FACU	4 - Morphological Adaptations ¹ (Provide support
Acclanica auricas		No	UPL	data in Remarks or on a separate sheet)
				Problematic Hydrophytic Vegetation ¹ (Explain)
				¹ Indicators of hydric soil and wetland hydrology mus
				be present, unless disturbed or problematic.
·				Definitions of Vegetation Strata:
).				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of heigh
0.				
1.				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
2	40	=Total Cover		Herb – All herbaceous (non-woody) plants, regardle of size, and woody plants less than 3.28 ft tall.
Voody Vine Stratum (Plot size: 30)			Woody vines – All woody vines greater than 3.28 ft
				height.
				Hydrophytic
				i i jai opii juo
<u> </u>				Vegetation
2				Vegetation Present? Yes <u>No X</u>

Depth	Matrix		Redo	x Featur				
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-16	10YR 3/2	98	7.5YR 5/6	2	<u> </u>	<u>M</u>	Loamy/Clayey	Silty Clay Loam
¹ Type: C=Cond	centration, D=Depletio	on, RM=R	educed Matrix, N	/IS=Mas	ked Sand	d Grains.	² Location: PL=	Pore Lining, M=Matrix.
Stratified L Depleted B Thick Dark Sandy Muc Sandy Gley Sandy Red Stripped M Dark Surfa	1) edon (A2) c (A3) Sulfide (A4) ayers (A5) selow Dark Surface (A Surface (A12) cky Mineral (S1) yed Matrix (S4) lox (S5) atrix (S6)		Polyvalue Belo MLRA 149B Thin Dark Surf High Chroma S Loamy Mucky Loamy Gleyed Depleted Matri Redox Dark Su Depleted Dark Redox Depress Marl (F10) (LR) Sands (S Mineral Matrix (x (F3) urface (F Surface sions (F R K, L)) (LRR R 611) (LRI (F1) (LRI F2) 6) (F7) 8)	, MLRA 1 R K, L) R K, L)	2 cm Muck Coast Prair 5 cm Muck Polyvalue B Thin Dark S Iron-Manga Piedmont F Mesic Spoo Red Parent Very Shallo Other (Expl	Problematic Hydric Soils ³ : (A10) (LRR K, L, MLRA 149B) rie Redox (A16) (LRR K, L, R) y Peat or Peat (S3) (LRR K, L, R) Below Surface (S8) (LRR K, L) Surface (S9) (LRR K, L) Surface (S9) (LRR K, L) anese Masses (F12) (LRR K, L, R Floodplain Soils (F19) (MLRA 149 dic (TA6) (MLRA 144A, 145, 149B t Material (F21) ow Dark Surface (F22) lain in Remarks)
	yer (if observed): N/A			<u></u>	<u> </u>		Hydric Soil Present?	Yes <u>No X</u>
	is revised from North 15 Errata. (http://www							Field Indicators of Hydric Soils,

Project/Site: Mohawk	k Solar			City/County: Montgome	ry County	S	Sampling Date:	10/27/17
Applicant/Owner:	Mohawk Sola	ar LLC			State:	NY	Sampling Point:	: 1wet@wetP
Investigator(s): John	Wojcikiewicz,	, Shelby Zemken		Section, Towns	ship, Range: <u>T</u>	own of C	Canajoharie and N	√linden
Landform (hillside, terr	race, etc.):	Hillslope	Local re	elief (concave, convex, r	none): <u>Concav</u>	/e	Slope	e %: <u>2</u>
Subregion (LRR or ML	_RA): <u>LRR L</u>	Lat	t: 42.883	Long: <u>-7</u>	4.6591		Datum:	WGS84
Soil Map Unit Name:	Fluvaquents,	, loamy			NWI classifi	ication:	PEM	
Are climatic / hydrologi	jic conditions /	on the site typical fo	or this time of year?	Yes X	No	(If no, ex	plain in Remarks	s.)
Are Vegetation	, Soil	, or Hydrology	significantly disturb	ed? Are "Normal	Circumstance	s" preser	nt? Yes X	No
Are Vegetation	, Soil	, or Hydrology	naturally problemat	ic? (If needed, e	explain any ans	wers in F	Remarks.)	
SUMMARY OF FI	INDINGS -	Attach site ma	ap showing samp	oling point location	ns, transec	ts, imp:	ortant featur	res, etc.
Hydrophytic Vegetatio	on Present?	Yes X	K No	Is the Sampled Area				
Hydric Soil Present?		Yes X	K No	within a Wetland?	Yes	Х	No	
Wetland Hydrology P	'resent?	Yes X	(No	If yes, optional Wetlar	nd Site ID:			
Remarks: (Explain al	Iternative proc	cedures here or in a	separate report.)					

Wetland Hydrology Indicators:		Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is requir	ed; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1)	X Water-Stained Leaves (B9)	Drainage Patterns (B10)
High Water Table (A2)	Aquatic Fauna (B13)	Moss Trim Lines (B16)
X Saturation (A3)	Marl Deposits (B15)	Dry-Season Water Table (C2)
Water Marks (B1)	Hydrogen Sulfide Odor (C1)	Crayfish Burrows (C8)
Sediment Deposits (B2)	Oxidized Rhizospheres on Living Roo	ts (C3) Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3)	Presence of Reduced Iron (C4)	Stunted or Stressed Plants (D1)
X Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soils	(C6) Geomorphic Position (D2)
Iron Deposits (B5)	Thin Muck Surface (C7)	Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks)	Microtopographic Relief (D4)
Sparsely Vegetated Concave Surface (E	8)	FAC-Neutral Test (D5)
Field Observations:		
Surface Water Present? Yes	No X Depth (inches):	
Water Table Dressert2	No X Douth (inches):	
Water Table Present? Yes	No X Depth (inches):	
Saturation Present? Yes X	No Depth (inches): 0	Wetland Hydrology Present? Yes X No
Saturation Present? Yes X		Wetland Hydrology Present? Yes X No
	No Depth (inches):	
Saturation Present? Yes X (includes capillary fringe)	No Depth (inches):	
Saturation Present? Yes X (includes capillary fringe)	No Depth (inches):	
Saturation Present? Yes X (includes capillary fringe)	No Depth (inches):	
Saturation Present? Yes X (includes capillary fringe) Describe Recorded Data (stream gauge, mo	No Depth (inches): nitoring well, aerial photos, previous inspect	tions), if available:
Saturation Present? Yes X (includes capillary fringe)	No Depth (inches): nitoring well, aerial photos, previous inspect	tions), if available:
Saturation Present? Yes X (includes capillary fringe)	No Depth (inches): nitoring well, aerial photos, previous inspect	tions), if available:
Saturation Present? Yes X (includes capillary fringe)	No Depth (inches): nitoring well, aerial photos, previous inspect	tions), if available:
Saturation Present? Yes X (includes capillary fringe)	No Depth (inches): nitoring well, aerial photos, previous inspect	tions), if available:
Saturation Present? Yes X (includes capillary fringe)	No Depth (inches): nitoring well, aerial photos, previous inspect	tions), if available:
Saturation Present? Yes X (includes capillary fringe)	No Depth (inches): nitoring well, aerial photos, previous inspect	tions), if available:
Saturation Present? Yes X (includes capillary fringe)	No Depth (inches): nitoring well, aerial photos, previous inspect	tions), if available:

Sampling Point: 1wet@wetP

10 10 15 10 5 40 15	Yes =Total Cover Yes Yes Yes No =Total Cover	FACW FACW FAC FACU FACW	Number of Dominant Species That Are OBL, FACW, or FAC:7Total Number of Dominant Species Across All Strata:8Percent of Dominant Species That Are OBL, FACW, or FAC:87.5%Prevalence Index worksheet:10Total % Cover of:Multiply by:OBL species10x 1 =10FACW species55x 2 =110FAC species30x 3 =90FACU species10x 4 =40UPL species0x 5 =0Column Totals:105(A)250Prevalence Index = B/A =2.38Hydrophytic Vegetation Indicators:1 - Rapid Test for Hydrophytic VegetationX2 - Dominance Test is >50%	
15 10 10 5 40 15	Yes Yes No =Total Cover	FAC FACU	That Are OBL, FACW, or FAC:7Total Number of Dominant Species Across All Strata:8Percent of Dominant Species That Are OBL, FACW, or FAC:87.5%Prevalence Index worksheet:7Total % Cover of:Multiply by:OBL species10x 1 =FACW species55x 2 =ACW species55x 2 =ACW species10x 4 =ACU species10x 4 =UPL species0x 5 =Column Totals:105(A)Prevalence Index = B/A =2.38Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation	_(B) _(A/B)
15 10 10 5 40 15	Yes Yes No =Total Cover	FAC FACU	Species Across All Strata:8Percent of Dominant Species That Are OBL, FACW, or FAC: 87.5% Prevalence Index worksheet:Multiply by:Total % Cover of:Multiply by:OBL species10x 1 =TACW species55x 2 =TAC species30x 3 =PACU species10x 4 =UPL species0x 5 =Oclumn Totals:105(A)Prevalence Index = B/A =2.38Hydrophytic Vegetation Indicators:1 - Rapid Test for Hydrophytic Vegetation	(A/B)
15 10 10 5 40 15	Yes Yes No =Total Cover	FAC FACU	That Are OBL, FACW, or FAC: 87.5% Prevalence Index worksheet:Multiply by:Total % Cover of:Multiply by:OBL species10x 1 =FACW species55x 2 =TACW species30x 3 =FAC species10x 4 =VPL species0x 5 =OColumn Totals:105Prevalence Index = B/A =2.38Hydrophytic Vegetation Indicators:1 - Rapid Test for Hydrophytic Vegetation	
15 10 10 5 40 15	Yes Yes No =Total Cover	FAC FACU	Total % Cover of:Multiply by:OBL species10 $x 1 = 10$ FACW species55 $x 2 = 110$ FAC species30 $x 3 = 90$ FAC species10 $x 4 = 40$ UPL species0 $x 5 = 0$ Column Totals:105(A)Prevalence Index $= B/A = 2.38$ Hydrophytic Vegetation Indicators:1 - Rapid Test for Hydrophytic Vegetation	
15 10 10 5 40 15	Yes Yes No =Total Cover	FAC FACU	OBL species10 $x 1 =$ 10FACW species55 $x 2 =$ 110FAC species30 $x 3 =$ 90FACU species10 $x 4 =$ 40UPL species0 $x 5 =$ 0Column Totals:105(A)250Prevalence Index = B/A =2.38Hydrophytic Vegetation Indicators:1 - Rapid Test for Hydrophytic Vegetation	
10 10 5 40 15	Yes Yes No =Total Cover	FAC FACU	FACW species 55 $x 2 =$ 110 FAC species 30 $x 3 =$ 90 FACU species 10 $x 4 =$ 40 UPL species 0 $x 5 =$ 0 Column Totals: 105 (A) 250 Prevalence Index $= B/A =$ 2.38 Hydrophytic Vegetation Indicators:1 - Rapid Test for Hydrophytic Vegetation	
10 10 5 40 15	Yes Yes No =Total Cover	FAC FACU	FAC species 30 $x 3 =$ 90 FACU species 10 $x 4 =$ 40 UPL species 0 $x 5 =$ 0 Column Totals: 105 (A) 250 Prevalence Index $= B/A =$ 2.38 Hydrophytic Vegetation Indicators:1 - Rapid Test for Hydrophytic Vegetation	
10 5 40 15	Yes No =Total Cover	FACU	FACU species 10 x 4 = 40 UPL species 0 x 5 = 0 Column Totals: 105 (A) 250 Prevalence Index = B/A = 2.38 Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation	(B
5 40 15	No =Total Cover		FACU species10x 4 =40UPL species0x 5 =0Column Totals:105(A)250Prevalence Index = B/A =2.38Hydrophytic Vegetation Indicators:1 - Rapid Test for Hydrophytic Vegetation	(B
40	=Total Cover	FACW	UPL species 0 x 5 = 0 Column Totals: 105 (A) 250 Prevalence Index = B/A = 2.38 Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation	(B
15	=Total Cover		Column Totals: 105 (A) 250 Prevalence Index = B/A = 2.38 Hydrophytic Vegetation Indicators: 1 1 1 - Rapid Test for Hydrophytic Vegetation	(B
15			Prevalence Index = B/A =2.38 Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation	
15			Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation	
15			1 - Rapid Test for Hydrophytic Vegetation	
15				
	Vee			
			X_{2} Browelence Index is $< 2.0^{1}$	
40	Yes	FACW	X 3 - Prevalence Index is ≤3.0 ¹	nnartin
-				
-	·			,
-			Problematic Hydrophytic Vegetation' (Exp	ain)
-	No			/ must
5	No	OBL	be present, unless disturbed or problematic.	
	·		Definitions of Vegetation Strata:	
	·		Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of	height.
				DBH
			Herb – All herbaceous (non-woody) plants, reg	
55	= I otal Cover		of size, and woody plants less than 3.28 ft tall.	
			Woody vines – All woody vines greater than 3 height.	.28 ft ir
			Ukalaan ka 41a	
	·			
			Present? Yes X No	
	=Total Cover			
sheet.)				
		10 Yes 10 Yes 5 No 5 No 5 No 5 Total Cover =Total Cover	10 Yes FACW 10 Yes FAC 5 No OBL	10 Yes FACW 10 Yes FAC 10 Yes FAC 5 No OBL 5 No OBL 1 Indicators of hydric soil and wetland hydrology be present, unless disturbed or problematic. 0 DBL 1 Indicators of Vegetation Strata: 1 Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of 3 Sapling/shrub – Woody plants less than 3 in. and greater than or equal to 3.28 ft (1 m) tall. 1 Herb – All herbaceous (non-woody) plants, reg of size, and woody plants less than 3.28 ft tall. Woody vines – All woody vines greater than 3 height. Hydrophytic 1 Hydrophytic 1 Hydrophytic 1 Hydrophytic 1 Hydrophytic 1 Hydrophytic 1 Yes X No

Profile Desc	ription: (Describe	to the de	pth needed to doc	ument t	he indica	ator or co	onfirm the absence of inc	licators.)	
Depth	Matrix		Redo	x Featur					
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks	
0-10	10YR 2/2	100					Loamy/Clayey	Silt Loam	
10-16	10YR 2/2	90	7.5YR 5/6	10	С	М	Loamy/Clayey	Silt Loam	
		·							
		·							
		·							
		·							
		·							
		·							
	oncentration, D=Dep	letion, RM	/I=Reduced Matrix, N	//S=Mas	ked Sand	d Grains.		ore Lining, M=Matrix.	
Hydric Soil I								roblematic Hydric Soils ³ :	
Histosol			Polyvalue Belo		ce (S8) (LRR R,		A10) (LRR K, L, MLRA 149B)	
	pipedon (A2)		MLRA 149B	,				Redox (A16) (LRR K, L, R)	
Black Hi			Thin Dark Surf					Peat or Peat (S3) (LRR K, L, R)	
	n Sulfide (A4)		High Chroma				Polyvalue Below Surface (S8) (LRR K, L)		
Stratified	l Layers (A5)		Loamy Mucky	Mineral	(F1) (LR	R K, L)	Thin Dark Surface (S9) (LRR K, L)		
Depleted	Below Dark Surface	e (A11)	Loamy Gleyed	Matrix (F2)		Iron-Mangan	ese Masses (F12) (LRR K, L, R)	
Thick Da	ark Surface (A12)		X Depleted Matri	ix (F3)			Piedmont Flo	oodplain Soils (F19) (MLRA 149B)	
Sandy M	lucky Mineral (S1)		Redox Dark Si	urface (F	-6)		Mesic Spodie	c (TA6) (MLRA 144A, 145, 149B)	
Sandy G	leyed Matrix (S4)		Depleted Dark Surface (F7)				Red Parent N	Material (F21)	
Sandy R	edox (S5)		Redox Depressions (F8)				Very Shallow	Dark Surface (F22)	
Stripped	Matrix (S6)		Marl (F10) (LRR K, L)				Other (Expla	in in Remarks)	
Dark Sur	rface (S7)								
³ Indicators of	f hydrophytic vegetat	tion and v	vetland hydrology m	ust be pi	resent, u	nless dist	urbed or problematic.		
Restrictive I	Layer (if observed):								
Type:	N//	A							
Depth (ir	nches):						Hydric Soil Present?	Yes <u>X</u> No	
Remarks:							<u>+</u>		
This data for	m is revised from No	orthcentra	I and Northeast Reg	ional Su	ıpplemen	t Version	2.0 to include the NRCS F	ield Indicators of Hydric Soils,	
Version 7.0,	2015 Errata. (http://v	www.nrcs	usda.gov/Internet/F	SE_DOO	CUMENT	S/nrcs14	2p2_051293.docx)		

Project/Site: Mohawk Solar	City/County: Montgomery County Sampling Date: 10/27/17
Applicant/Owner: Mohawk Solar LLC	State: NY Sampling Point: 1Up@WetP
Investigator(s): John Wojcikiewicz, Shelby Zemken	Section, Township, Range: Town of Canajoharie and Minden
Landform (hillside, terrace, etc.): Hillslope	_ocal relief (concave, convex, none): None Slope %: 2
Subregion (LRR or MLRA): LRR L Lat: 42.8829	Long: -74.6595 Datum: WGS84
Soil Map Unit Name: Madalin, silt clay loam	NWI classification: N/A
Are climatic / hydrologic conditions on the site typical for this time of ye	ear? Yes X No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrologysignificantly of	disturbed? Are "Normal Circumstances" present? Yes X No
Are Vegetation, Soil, or Hydrologynaturally prof	blematic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing	sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes	No X	Is the Sampled Area within a Wetland? Yes No X If yes, optional Wetland Site ID:					
Hydric Soil Present?	Yes	No X						
Wetland Hydrology Present?	Yes	No X						
Remarks: (Explain alternative procedures here or in a separate report.)								

Wetland Hydrology Indicators:		Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is requ	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)	Oxidized Rhizospheres on Living Roots	s (C3) Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3)	Presence of Reduced Iron (C4)	Stunted or Stressed Plants (D1)
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soils (0	C6) Geomorphic Position (D2)
Iron Deposits (B5)	Thin Muck Surface (C7)	Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B	7) Other (Explain in Remarks)	Microtopographic Relief (D4)
Sparsely Vegetated Concave Surface (B8)	FAC-Neutral Test (D5)
Field Observations:		
Surface Water Present? Yes	No X Depth (inches):	
Water Table Present? Yes	No X Depth (inches):	
Saturation Present? Yes	No X Depth (inches):	Wetland Hydrology Present? Yes No X
(includes capillary fringe)		
	onitoring well, aerial photos, previous inspection	
	onitoring well, aerial photos, previous inspection	
Describe Recorded Data (stream gauge, m	onitoring well, aerial photos, previous inspection	
	onitoring well, aerial photos, previous inspection	
Describe Recorded Data (stream gauge, m	onitoring well, aerial photos, previous inspection	
Describe Recorded Data (stream gauge, m	onitoring well, aerial photos, previous inspection	
Describe Recorded Data (stream gauge, m	onitoring well, aerial photos, previous inspection	
Describe Recorded Data (stream gauge, m	onitoring well, aerial photos, previous inspection	
Describe Recorded Data (stream gauge, m	onitoring well, aerial photos, previous inspectio	
Describe Recorded Data (stream gauge, m	onitoring well, aerial photos, previous inspectio	
Describe Recorded Data (stream gauge, m	onitoring well, aerial photos, previous inspectio	
Describe Recorded Data (stream gauge, m	onitoring well, aerial photos, previous inspectio	

Sampling Point: 1Up@WetP

1.	(A) (B) (A/B)
I otal Number of Dominant	
	(A/B)
5. Percent of Dominant Species 6. That Are OBL, FACW, or FAC: 50.0%	
7 Prevalence Index worksheet:	
=Total Cover Total % Cover of: Multiply b	<u>/:</u>
Sapling/Shrub Stratum (Plot size: 15) OBL species 0 x 1 = 0	
1. Cornus amomum 5 Yes FACW FACW species 5 x 2 = 10	
2. FAC species 15 x 3 = 44	
3. FACU species 30 x 4 = 12)
4 UPL species x 5 =	
5. Column Totals: 50 (A) 17	5 (B)
6. Prevalence Index = B/A = 3.50	
7. Hydrophytic Vegetation Indicators:	
5 =Total Cover 1 - Rapid Test for Hydrophytic Vegetatio	1
Herb Stratum (Plot size: 15) 2 - Dominance Test is >50%	
1. <i>Taraxacum officinale</i> 10 Yes FACU 3 - Prevalence Index is ≤3.0 ¹	
2. Centaurea maculosa 10 Yes FAC 4 - Morphological Adaptations ¹ (Provide	upporting
3. Galium mollugo 10 Yes FACU data in Remarks or on a separate she	et)
4. <i>Trifolium repens</i> 5 No FACU Problematic Hydrophytic Vegetation ¹ (Ex	olain)
5 Asclenies sp. 5 No. FAC	-
6. Plantago lanceolata 5 No FACU ¹ Indicators of hydric soil and wetland hydrolo be present, unless disturbed or problematic.	ly must
7. Definitions of Vegetation Strata:	
8	
9 diameter at breast height (DBH), regardless	
10. Sapling/shrub – Woody plants less than 3 in and greater than or equal to 3.28 ft (1 m) tall	. DBH
12.	
Woody Vine Stratum (Plot size: 30) 1.	3.28 ft in
2.	
3 Hydrophytic	
4. Vegetation 4. Present? Yes No X	
Remarks: (Include photo numbers here or on a separate sheet.)	

Depth	Matrix			x Featur			onfirm the absence of inc		
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks	
0-4	10YR 4/3	100	ii				Loamy/Clayey	Silt Loam	
4-16	10YR 4/3	95	7.5YR 5/6	3	С	M	Loamy/Clayey	Silt Loam	
¹ Type: C=C	oncentration, D=Dep	letion RM	=Reduced Matrix	MS=Mas	ked San	Grains	² l ocation: PI =P	ore Lining, M=Matrix.	
Hydric Soil								roblematic Hydric Soils ³ :	
Histosol			Polyvalue Belo	ow Surfa	ce (S8) (LRR R,		A10) (LRR K, L, MLRA 149B)	
Histic Ep	pipedon (A2)		MLRA 149B	5)			Coast Prairie	e Redox (A16) (LRR K, L, R)	
Black Hi	stic (A3)		Thin Dark Sur	face (S9) (LRR R	, MLRA 1	149B) 5 cm Mucky	Peat or Peat (S3) (LRR K, L, R)	
Hydroge	n Sulfide (A4)		High Chroma	Sands (S	S11) (LRI	R K, L)	Polyvalue Below Surface (S8) (LRR K, L)		
Stratified	d Layers (A5)		Loamy Mucky	Mineral	(F1) (LR	R K, L)	Thin Dark Surface (S9) (LRR K, L)		
Depleted	Below Dark Surfac	e (A11)	Loamy Gleyed	Matrix ((F2)		Iron-Manganese Masses (F12) (LRR K, L, R)		
	ark Surface (A12)	. ,	Depleted Matri					podplain Soils (F19) (MLRA 149B	
	lucky Mineral (S1)		Redox Dark Surface (F6)				Mesic Spodic (TA6) (MLRA 144A, 145, 149B)		
	Gleyed Matrix (S4)		Depleted Dark Surface (F7)				Red Parent Material (F21)		
	Redox (S5)		Redox Depressions (F8)				Very Shallow Dark Surface (F22)		
	Matrix (S6)		 Marl (F10) (LR	``	,			in in Remarks)	
	rface (S7)		、 /、	. ,			、 .	,	
	f hydrophytic vegeta L ayer (if observed) :		etland hydrology m	ust be p	resent, u	nless dist	urbed or problematic.		
Type:	N/								
Depth (ir	nches):						Hydric Soil Present?	Yes NoX	
Remarks:							•		
								ield Indicators of Hydric Soils,	
Version 7.0,	2015 Errata. (http://	www.nrcs.	usda.gov/Internet/F	SE_DOG	JUMENT	S/nrcs14	2p2_051293.docx)		

Project/Site: Mohawk Solar		City/County: Marshville/ Mongtomery	Sampling Date: 8/27/2018				
Applicant/Owner: Avantgrid		State: NY	Sampling Point: <u>1wet@wetPP</u>				
Investigator(s): B. Roosa, R. Wojcil	kiewicz	Section, Township, Range: Minden					
Landform (hillside, terrace, etc.): Bowl-shaped depression Local relief (concave, convex, none): Concave Slope %							
Subregion (LRR or MLRA): LRR R	R, MLRA 144A Lat: <u>42.909838</u>	Long: -74.639574	Datum: NAD83				
Soil Map Unit Name: Darien silt loa	am	NWI classification:	POW				
Are climatic / hydrologic conditions of	on the site typical for this time of year?	Yes X No (If no,	explain in Remarks.)				
Are Vegetation, Soil	, or Hydrologysignificantly dist	urbed? Are "Normal Circumstances" pres	ent? Yes X No				
Are Vegetation, Soil	, or Hydrologynaturally probler	natic? (If needed, explain any answers in	n Remarks.)				
SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.							
Hydrophytic Vegetation Present?	Yes X No	Is the Sampled Area					
Hydric Soil Present?	Yes X No	within a Wetland? Yes X	No				
Wetland Hydrology Present?	Yes X No	If yes, optional Wetland Site ID:					
Remarks: (Explain alternative proc	edures here or in a separate report.)						

Wetland Hydrology Indicators:		Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; c	Surface Soil Cracks (B6)	
X Surface Water (A1) X	Water-Stained Leaves (B9)	X Drainage Patterns (B10)
High Water Table (A2) X	Aquatic Fauna (B13)	Moss Trim Lines (B16)
X Saturation (A3)	Marl Deposits (B15)	Dry-Season Water Table (C2)
Water Marks (B1)	Hydrogen Sulfide Odor (C1)	Crayfish Burrows (C8)
Sediment Deposits (B2)	Oxidized Rhizospheres on Living Roo	ots (C3) Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3)	Presence of Reduced Iron (C4)	Stunted or Stressed Plants (D1)
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soils	(C6) X Geomorphic Position (D2)
Iron Deposits (B5)	Thin Muck Surface (C7)	X Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7)	Other (Explain in Remarks)	X Microtopographic Relief (D4)
Sparsely Vegetated Concave Surface (B8)	_	X FAC-Neutral Test (D5)
Field Observations:		
Surface Water Present? Yes X No	Depth (inches): 3	
Water Table Present? Yes No	X Depth (inches):	
	X Depth (inches):	
Saturation Present? Yes X No	/	Wetland Hydrology Present? Yes X No
		Wetland Hydrology Present? Yes X No
Saturation Present? Yes X No	Depth (inches): 0	
Saturation Present? Yes X No (includes capillary fringe)	Depth (inches): 0	
Saturation Present? Yes X No (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring)	Depth (inches): 0	
Saturation Present? Yes X No (includes capillary fringe)	Depth (inches): 0	
Saturation Present? Yes X No (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring)	Depth (inches): 0	
Saturation Present? Yes X No (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring)	Depth (inches): 0	
Saturation Present? Yes X No (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring)	Depth (inches): 0	
Saturation Present? Yes X No (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring)	Depth (inches): 0	
Saturation Present? Yes X No (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring)	Depth (inches): 0	
Saturation Present? Yes X No (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring)	Depth (inches): 0	
Saturation Present? Yes X No (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring)	Depth (inches): 0	
Saturation Present? Yes X No (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring)	Depth (inches): 0	

Sampling Point: 1wet@wetPP

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. Quercus rubra	35	Yes	FACU	Dominance rest worksheet.
2. Ulmus americana	15	Yes	FACW	Number of Dominant Species That Are OBL, FACW, or FAC: 4 (A)
	15	Tes	FACW	That Are OBL, FACW, or FAC: (A)
3 4				Total Number of DominantSpecies Across All Strata:5(B)
5				Percent of Dominant Species
6				That Are OBL, FACW, or FAC: 80.0% (A/B) Prevalence Index worksheet:
7		=Total Cover		
Conling/Chrub Stratum (Diataiza)	50	= I otal Cover		Total % Cover of: Multiply by: OBL species 30 x 1 = 30
Sapling/Shrub Stratum (Plot size: 15)				
1 2.				FACW species 75 x 2 = 150 FAC species 15 x 3 = 45
3				FACU species <u>35</u> x 4 = <u>140</u>
4				UPL species $0 \times 5 = 0$
5				Column Totals: 155 (A) 365 (B)
6				Prevalence Index = B/A =
7				Hydrophytic Vegetation Indicators:
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5)				X 2 - Dominance Test is >50%
1. Impatiens capensis	40	Yes	FACW	X_3 - Prevalence Index is ≤3.0 ¹
2. Onoclea sensibilis	20	Yes	FACW	4 - Morphological Adaptations ¹ (Provide supporting
3. Glyceria striata	20	Yes	OBL	data in Remarks or on a separate sheet)
4. Solidago sp.	15	No	FAC	Problematic Hydrophytic Vegetation ¹ (Explain)
5. Lemna minor	10	No	OBL	
6.				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7.				Definitions of Vegetation Strata:
8.				
9.				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
10				Sapling/shrub – Woody plants less than 3 in. DBH
11				and greater than or equal to 3.28 ft (1 m) tall.
12				Herb – All herbaceous (non-woody) plants, regardless
	105	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30)				Woody vines – All woody vines greater than 3.28 ft in
1				height.
2				Hydrophytic
3				Vegetation
4				Present? Yes X No
		=Total Cover		
Remarks: (Include photo numbers here or on a sepa	rate sheet.)			·

Profile Desc	ription: (Describe	to the de	pth needed to docu	ument t	he indica	tor or c	onfirm the absence of ir	ndicators.)
Depth	Matrix		Redo	x Featur	es			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-4	10YR 2/1	100					Loamy/Clayey	
4-12	10YR 2/1	85	7.5YR 3/4	15	С	М	Loamy/Clayey	
							·	
¹ Type: C=Co	oncentration, D=Dep	letion, RM	1=Reduced Matrix, N	/IS=Mas	ked Sand	l Grains.	² Location: PL=	Pore Lining, M=Matrix.
Hydric Soil								Problematic Hydric Soils ³ :
Histosol			Polyvalue Belo		ce (S8) (I	LRR R,		(A10) (LRR K, L, MLRA 149B)
	pipedon (A2)		MLRA 149B	<i>,</i>				ie Redox (A16) (LRR K, L, R)
	stic (A3)		Thin Dark Surf					y Peat or Peat (S3) (LRR K, L, R)
	n Sulfide (A4)		High Chroma S					Below Surface (S8) (LRR K, L)
	Layers (A5)		Loamy Mucky			Κ , L)		Surface (S9) (LRR K, L)
	Below Dark Surface	e (A11)	Loamy Gleyed		F2)			nese Masses (F12) (LRR K, L, R)
	ark Surface (A12)		Depleted Matri					loodplain Soils (F19) (MLRA 149B)
	lucky Mineral (S1)		X Redox Dark Su	•	,			dic (TA6) (MLRA 144A, 145, 149B)
	leyed Matrix (S4)		Depleted Dark		. ,			Material (F21)
	edox (S5)		Redox Depress	`	8)			w Dark Surface (F22)
	Matrix (S6)		Marl (F10) (LR	R K, L)			Other (Expl	ain in Remarks)
Dark Su	rface (S7)							
³ Indicators of	f hydrophytic vegetat	tion and w	etland hydrology mu	ust be pr	resent, ur	nless dist	urbed or problematic.	
Restrictive I	Layer (if observed):			•			•	
Type:	Cobl	ble						
Depth (ir	nches):	12					Hydric Soil Present?	Yes X No
Remarks:							-	
								Field Indicators of Hydric Soils,
version 7.0,	2015 Errata. (http://v	ww.nrcs.	usda.gov/Internet/F	SE_DOU	JUMENT	S/nrcs14	2p2_051293.docx)	

Project/Site: Mohawk Solar	City/County: Marshville/ Mongtomery Sampling Date: 8/1/18
Applicant/Owner: Avantgrid	State: NY Sampling Point: 1Up@wetPP
Investigator(s): B. Roosa, R. Wojcikiewicz	Section, Township, Range: Minden
Landform (hillside, terrace, etc.): Flat Local	relief (concave, convex, none): None Slope %: 0
Subregion (LRR or MLRA): LRR R, MLRA 144A Lat: 42.909828	Long: <u>-74.639519</u> Datum: <u>NAD83</u>
Soil Map Unit Name: Darien silt loam	NWI classification: N/A
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes X No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrologysignificantly distu	rbed? Are "Normal Circumstances" present? Yes X No
Are Vegetation, Soil, or Hydrologynaturally problem	atic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing san	npling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes	No X	Is the Sampled Area
Hydric Soil Present?	Yes	No X	within a Wetland? Yes No X
Wetland Hydrology Present?	Yes	No X	If yes, optional Wetland Site ID:
Remarks: (Explain alternative procedu	res here or in a	separate report.)	-

Wetland Hydrology Indicators:		Secondary Indicators (minimum of two required)					
Primary Indicators (minimum of one is requi		Surface Soil Cracks (B6)					
Surface Water (A1)		Drainage Patterns (B10)					
High Water Table (A2)		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)	Presence of Reduced Iron (C4)		Stunted or Stressed Plants (D1)				
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soils	s (C6)	Geomorphic Position (D2)				
Iron Deposits (B5)	Thin Muck Surface (C7)	•	Shallow Aquitard (D3)				
Inundation Visible on Aerial Imagery (B	7) Other (Explain in Remarks)	•	Microtopographic Relief (D4)				
Sparsely Vegetated Concave Surface (38)		FAC-Neutral Test (D5)				
Field Observations:							
Surface Water Present? Yes	No X Depth (inches):						
Water Table Present? Yes	No X Depth (inches):						
Saturation Present? Yes	No X Depth (inches):	Wetland	Hydrology Present? Yes No X				
(includes capillary fringe)							
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:							
Describe Recorded Data (stream gauge, mo	onitoring well, aerial photos, previous inspe	ctions), if a	vailable:				
Describe Recorded Data (stream gauge, mo	onitoring well, aerial photos, previous inspe	ctions), if a	vailable:				
	onitoring well, aerial photos, previous inspe	ctions), if a	vailable:				
Describe Recorded Data (stream gauge, mo Remarks:	onitoring well, aerial photos, previous inspe	ctions), if a	vailable:				
	onitoring well, aerial photos, previous inspe	ctions), if a	vailable:				
	onitoring well, aerial photos, previous inspe	ctions), if a	vailable:				
	onitoring well, aerial photos, previous inspe	ctions), if a	vailable:				
	onitoring well, aerial photos, previous inspe	ctions), if a	vailable:				
	onitoring well, aerial photos, previous inspe	ctions), if a	vailable:				
	onitoring well, aerial photos, previous inspe	ctions), if a	vailable:				
	onitoring well, aerial photos, previous inspe	ctions), if a	vailable:				
	onitoring well, aerial photos, previous inspe	ctions), if a	vailable:				

Sampling Point: 1Up@wetPP

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. Quercus rubra	15	Yes	FACU	Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)
3.				
4.				Total Number of Dominant Species Across All Strata: 6 (B)
5 6.				Percent of Dominant Species That Are OBL, FACW, or FAC: 16.7% (A/B)
7.				Prevalence Index worksheet:
	15	=Total Cover		Total % Cover of: Multiply by:
<u>Sapling/Shrub Stratum</u> (Plot size: 15)				OBL species 0 x 1 = 0
1. Lonicera morrowii	15	Yes	FACU	FACW species 0 x 2 = 0
2.				FAC species 10 x 3 = 30
3.				FACU species 65 x 4 = 260
4.				UPL species 15 x 5 = 75
5.				Column Totals: 90 (A) 365 (B)
6.				Prevalence Index = $B/A = 4.06$
7.				Hydrophytic Vegetation Indicators:
	15	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
<u>Herb Stratum</u> (Plot size: 5)				2 - Dominance Test is >50%
1. Dactylis glomerata	15	Yes	FACU	3 - Prevalence Index is ≤3.0 ¹
2. Trifolium repens	10	Yes	FACU	4 - Morphological Adaptations ¹ (Provide supporting
3. Galium sp.	10	Yes	FAC	data in Remarks or on a separate sheet)
4. Vicia cracca	5	No	UPL	Problematic Hydrophytic Vegetation ¹ (Explain)
5. Taraxacum officinale	5	No	FACU	
	5	No	FACU	¹ Indicators of hydric soil and wetland hydrology must
6. Rubus allegheniensis		· · · · · · · · · · · · · · · · · · ·		be present, unless disturbed or problematic.
7. <u>Vitis vinifera</u>	10	Yes	UPL	Definitions of Vegetation Strata:
8 9				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
10				Sapling/shrub – Woody plants less than 3 in. DBH
11.				and greater than or equal to 3.28 ft (1 m) tall.
12.				Herb – All herbaceous (non-woody) plants, regardless
	60	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30)				Woody vines – All woody vines greater than 3.28 ft in
1				height.
2				Hydrophytic
3				Vegetation
4		. <u> </u>		Present? Yes <u>No X</u>
		=Total Cover		
Remarks: (Include photo numbers here or on a separ	rate sheet.)			

Profile Desc	ription: (Describe	to the dep	oth needed to docu	ument t	he indica	tor or co	onfirm the absence of	indicators.)
Depth	Matrix		Redo	x Featur	res	<u> </u>		
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-10	10YR 5/2	100					Loamy/Clayey	
	10111072						Loaniy/olayoy	
						<u> </u>		
				_	_	_		
¹ Type: $C=Cc$	ncentration, D=Dep	letion RM	=Reduced Matrix	IS=Mas	ked Sand	Grains	² Location: PL	.=Pore Lining, M=Matrix.
Hydric Soil I				10-11123		Grains.		r Problematic Hydric Soils ³ :
Histosol			Polyvalue Belo	w Surfa	co (S8) (I			ck (A10) (LRR K, L, MLRA 149B)
			MLRA 149B		ce (30) (L			airie Redox (A16) (LRR K, L, R)
	ipedon (A2)			,				
Black His			Thin Dark Surf					cky Peat or Peat (S3) (LRR K, L, R)
	n Sulfide (A4)		High Chroma S	-				Below Surface (S8) (LRR K, L)
	Layers (A5)		Loamy Mucky			κκ, L)		Surface (S9) (LRR K, L)
	Below Dark Surface	e (A11)	Loamy Gleyed		F2)			ganese Masses (F12) (LRR K, L, R)
	rk Surface (A12)		Depleted Matri					t Floodplain Soils (F19) (MLRA 149B)
	ucky Mineral (S1)		Redox Dark Su		-			odic (TA6) (MLRA 144A, 145, 149B)
	leyed Matrix (S4)		Depleted Dark					nt Material (F21)
	edox (S5)		Redox Depress	``	8)			llow Dark Surface (F22)
Stripped	Matrix (S6)		Marl (F10) (LR	R K, L)			Other (Ex	plain in Remarks)
Dark Sur	face (S7)							
³ Indicators of	hydrophytic vegetat	ion and w	etland hydrology mι	ist be pi	resent, un	iless dist	urbed or problematic.	
Restrictive L	ayer (if observed):							
Туре:	Roc	k						
Depth (in	iches):	10					Hydric Soil Present	t? Yes <u>No X</u>
	,						-	
Remarks: This data form	n is revised from No	orthcontrol	and Northeast Reg	ional Su	nnloment	Version	2.0 to include the NRC	S Field Indicators of Hydric Soils,
	2015 Errata. (http://v							
,			g					

Project/Site: Mohawk Solar		City/County: Montgomery County	Sampling Date: 11/8/17
Applicant/Owner: Mohawk Solar LLC		State: NY	Sampling Point: 1wet@wetQ
Investigator(s): John Wojcikiewicz, Shelby Zemke	n	Section, Township, Range: Town of	Canajoharie and Minden
Landform (hillside, terrace, etc.): Channel (inact	ive) Local r	elief (concave, convex, none): <u>Concave</u>	Slope %: 0-5
Subregion (LRR or MLRA): LRR L	Lat: <u>42.909353</u>	Long: <u>-74.638245</u>	Datum: WGS 1984
Soil Map Unit Name: Darien silt loam		NWI classification:	PEM
Are climatic / hydrologic conditions on the site typic	cal for this time of year?	Yes X No (If no, e	xplain in Remarks.)
Are Vegetation, Soil, or Hydrology	significantly disturb	ed? Are "Normal Circumstances" prese	ent? Yes X No
Are Vegetation, Soil, or Hydrology	naturally problemat	tic? (If needed, explain any answers in	Remarks.)
SUMMARY OF FINDINGS – Attach site	map showing sam	oling point locations, transects, im	portant features, etc.
Hydrophytic Vegetation Present? Yes	X No	Is the Sampled Area	
Hydric Soil Present? Yes	X No	within a Wetland? Yes X	No
Wetland Hydrology Present? Yes	<u>X</u> No	If yes, optional Wetland Site ID:	
Remarks: (Explain alternative procedures here of	in a separate report.)		

Wetland Hydrology Indicators:		Secondary Indicators (minimum of two required)		
Primary Indicators (minimum of one is require		Surface Soil Cracks (B6)		
X Surface Water (A1)		Drainage Patterns (B10)		
X High Water Table (A2)		Moss Trim Lines (B16)		
X Saturation (A3)	Marl Deposits (B15)		Dry-Season Water Table (C2)
Water Marks (B1)	Hydrogen Sulfide Odor (C1)		Crayfish Burrows (C8)	
Sediment Deposits (B2)	Oxidized Rhizospheres on Living R	oots (C3)	Saturation Visible on Aerial Ir	magery (C9)
Drift Deposits (B3)	Presence of Reduced Iron (C4)		Stunted or Stressed Plants (D1)
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soi	ls (C6)	Geomorphic Position (D2)	
Iron Deposits (B5)	Thin Muck Surface (C7)		Shallow Aquitard (D3)	
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks)		X Microtopographic Relief (D4)	
Sparsely Vegetated Concave Surface (B	38)		FAC-Neutral Test (D5)	
Field Observations:				
Surface Water Present? Yes X	No Depth (inches): 3			
Water Table Present? Yes				
Saturation Present? Yes	No X Depth (inches): No X Depth (inches):	Wetlan	d Hydrology Present? Yes	s X No
		Wetlan	nd Hydrology Present? Yes	s <u>X</u> No
Saturation Present? Yes	No X Depth (inches):			s <u>X</u> No
Saturation Present? Yes	No X Depth (inches):			s <u>X</u> No
Saturation Present? Yes (includes capillary fringe) Describe Recorded Data (stream gauge, mod	No X Depth (inches):			s <u>X</u> No
Saturation Present? Yes	No X Depth (inches):			s <u>X</u> No
Saturation Present? Yes (includes capillary fringe) Describe Recorded Data (stream gauge, mod	No X Depth (inches):			s <u>X</u> No
Saturation Present? Yes (includes capillary fringe) Describe Recorded Data (stream gauge, mod	No X Depth (inches):			s <u>X</u> No
Saturation Present? Yes (includes capillary fringe) Describe Recorded Data (stream gauge, mod	No X Depth (inches):			s <u>X</u> No
Saturation Present? Yes (includes capillary fringe) Describe Recorded Data (stream gauge, mod	No X Depth (inches):			s <u>X</u> No
Saturation Present? Yes (includes capillary fringe) Describe Recorded Data (stream gauge, mod	No X Depth (inches):			s <u>X</u> No
Saturation Present? Yes (includes capillary fringe) Describe Recorded Data (stream gauge, mod	No X Depth (inches):			s <u>X</u> No
Saturation Present? Yes (includes capillary fringe) Describe Recorded Data (stream gauge, mod	No X Depth (inches):			s <u>X</u> No
Saturation Present? Yes (includes capillary fringe) Describe Recorded Data (stream gauge, mod	No X Depth (inches):			s <u>X</u> No

Sampling Point: 1wet@wetQ

<u>Tree Stratum</u> (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. Ulmus americana	10	Yes	FACW	Number of Dominant Species
2.				That Are OBL, FACW, or FAC:4 (A)
3.				Total Number of Dominant
4				Species Across All Strata: 5 (B)
5				Percent of Dominant Species
6				That Are OBL, FACW, or FAC: 80.0% (A/B)
7				Prevalence Index worksheet:
	10	=Total Cover		Total % Cover of:Multiply by:
Sapling/Shrub Stratum (Plot size: 15)				OBL species x 1 =
1. Cornus amomum	15	Yes	FACW	FACW species 45 x 2 = 90
2. Lonicera morrowii	5	Yes	FACU	FAC species <u>15</u> x 3 = <u>45</u>
3				FACU species <u>5</u> x 4 = <u>20</u>
4				UPL species $0 \times 5 = 0$
5.				Column Totals: 65 (A) 155 (B)
6				Prevalence Index = B/A = 2.38
7		-Tetel Cover		Hydrophytic Vegetation Indicators:
Herb Stratum (Plot size: 15)	20	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation X 2 - Dominance Test is >50%
,	15	Yes	FACW	X 3 - Prevalence Index is $\leq 3.0^{1}$
 Onoclea sensibilis Equisetum arvense 	10	Yes	FACT	4 - Morphological Adaptations ¹ (Provide supporting
3. Phalaris arundinacea	5	No	FACW	data in Remarks or on a separate sheet)
1 Correction		No	FAC	Problematic Hydrophytic Vegetation ¹ (Explain)
			140	
6				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
				Definitions of Vegetation Strata:
8				
9.				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
10.				
11.				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
12				Herb – All herbaceous (non-woody) plants, regardless
Woody Vine Stratum (Plot size: 30)	35	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size:30) 1.				Woody vines – All woody vines greater than 3.28 ft in height.
2				
3				Hydrophytic Vegetation
4				Present? Yes X No
		=Total Cover		
Remarks: (Include photo numbers here or on a sepa	rate sheet.)			

SOIL

Profile Desc	ription: (Describe	to the de	epth needed to docu	ument ti	he indica	ator or co	onfirm the absence of indic	cators.)
Depth	Matrix		Redo	x Featur	es			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-8	10YR 3/1	90	7.5YR 5/6	10	С	М	Loamy/Clayey	Silt Clay Loam
8-16	10YR 2/1	85	7.5YR 5/6	15	С	M	Loamy/Clayey	Silt Clay Loam
		etion, RI	M=Reduced Matrix, M	/IS=Mas	ked Sano	d Grains.	² Location: PL=Por	-
Hydric Soil I					(- -) (blematic Hydric Soils ³ :
Histosol			Polyvalue Below Surface (S8) (LRR R,			LRR R,		0) (LRR K, L, MLRA 149B)
	ipedon (A2)		MLRA 149B	,				Redox (A16) (LRR K, L, R)
Black His			Thin Dark Surf		-			eat or Peat (S3) (LRR K, L, R)
	n Sulfide (A4)		High Chroma S					w Surface (S8) (LRR K, L)
	Layers (A5) Below Dark Surface	(11)	Loamy Gleyed			κ κ , ι)		ace (S9) (LRR K, L) se Masses (F12) (LRR K, L, R)
	rk Surface (A12)	= (ATT)	Depleted Matri		[2]			dplain Soils (F19) (MLRA 149B)
	ucky Mineral (S1)		X Redox Dark Su		6)			(TA6) (MLRA 144A, 145, 149B)
	leyed Matrix (S4)		Depleted Dark		-		Red Parent Ma	
	edox (S5)		Redox Depress					Dark Surface (F22)
	Matrix (S6)		Marl (F10) (LR	,	5)		Other (Explain	
	face (S7)			, _, _,				
	()							
³ Indicators of	hydrophytic vegetat	ion and v	vetland hydrology mu	ust be pr	esent, u	nless dist	urbed or problematic.	
	ayer (if observed):							
Type:	N/A	4						
Depth (in	ches):						Hydric Soil Present?	Yes X No
Remarks:								
							2.0 to include the NRCS Fie	ld Indicators of Hydric Soils,
Version 7.0, 2	2015 Errata. (http://w	ww.nrcs	.usda.gov/Internet/FS	SE_DOC	CUMENT	S/nrcs14	2p2_051293.docx)	

Project/Site: Mohawk Solar	City/County: Montgomery County Sampling Date: 11/8/17
Applicant/Owner: Mohawk Solar LLC	State: NY Sampling Point: 10p@WetQ
Investigator(s): John Wojcikiewicz, Shelby Zemken	Section, Township, Range: Town of Canajoharie and Minden
Landform (hillside, terrace, etc.): Flat Loc	al relief (concave, convex, none): <u>None</u> Slope %: <u>0-1</u>
Subregion (LRR or MLRA): LRR L Lat: 42.894993	Long: -74.623027 Datum: WGS84
Soil Map Unit Name: Madalin silt loam	NWI classification: N/A
Are climatic / hydrologic conditions on the site typical for this time of year	? Yes X No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrologysignificantly dis	turbed? Are "Normal Circumstances" present? Yes X No
Are Vegetation, Soil, or Hydrologynaturally proble	matic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing sa	mpling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes	No X	Is the Sampled Area within a Wetland? Yes NoX If yes, optional Wetland Site ID:
Hydric Soil Present?	Yes	No X	
Wetland Hydrology Present?	Yes	No X	
Remarks: (Explain alternative procedu	ures here or in a	separate report.)	

Wetland Hydrology Indicators:		Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is requ	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)	Oxidized Rhizospheres on Living Roots	s (C3) Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3)	Presence of Reduced Iron (C4)	Stunted or Stressed Plants (D1)
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soils (C	C6) Geomorphic Position (D2)
Iron Deposits (B5)	Thin Muck Surface (C7)	Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B	7) Other (Explain in Remarks)	Microtopographic Relief (D4)
Sparsely Vegetated Concave Surface (B8)	FAC-Neutral Test (D5)
Field Observations:		
Surface Water Present? Yes	No X Depth (inches):	
Water Table Present? Yes	No X Depth (inches):	
Saturation Present? Yes	Wetland Hydrology Present? Yes No X	
(includes capillary fringe)	No X Depth (inches):	
(includes capillary fringe)	onitoring well, aerial photos, previous inspection	
(includes capillary fringe)		
(includes capillary fringe) Describe Recorded Data (stream gauge, m		
(includes capillary fringe)		
(includes capillary fringe) Describe Recorded Data (stream gauge, m		
(includes capillary fringe) Describe Recorded Data (stream gauge, m		
(includes capillary fringe) Describe Recorded Data (stream gauge, m		
(includes capillary fringe) Describe Recorded Data (stream gauge, m		
(includes capillary fringe) Describe Recorded Data (stream gauge, m		
(includes capillary fringe) Describe Recorded Data (stream gauge, m		
(includes capillary fringe) Describe Recorded Data (stream gauge, m		
(includes capillary fringe) Describe Recorded Data (stream gauge, m		

Sampling Point: 1Up@WetQ

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
 Ulmus americana 2. 	10	Yes	FACW	Number of Dominant Species That Are OBL, FACW, or FAC: <u>3</u> (A)
3. 4.				Total Number of Dominant Species Across All Strata: <u>6</u> (B)
5. 6.				Percent of Dominant Species That Are OBL, FACW, or FAC: 50.0% (A/B)
7.				Prevalence Index worksheet:
	10	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15)				OBL species 0 x 1 = 0
1. Lonicera morrowii	30	Yes	FACU	FACW species 10 x 2 = 20
2. Rhamnus cathartica	10	Yes	FAC	FAC species 25 x 3 = 75
3. Rosa multiflora	10	Yes	FACU	FACU species 40 x 4 = 160
4.				UPL species 10 x 5 = 50
5.				Column Totals: 85 (A) 305 (B)
6.				Prevalence Index = B/A = 3.59
7.				Hydrophytic Vegetation Indicators:
	50	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
<u>Herb Stratum</u> (Plot size: 15)				2 - Dominance Test is >50%
1. Solidago sp.	15	Yes	FAC	3 - Prevalence Index is ≤3.0 ¹
2. Daucus carota	10	Yes	UPL	4 - Morphological Adaptations ¹ (Provide supporting
3.	10	163		data in Remarks or on a separate sheet)
				Problematic Hydrophytic Vegetation ¹ (Explain)
4				
5.				¹ Indicators of hydric soil and wetland hydrology must
6.				be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8 9				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
10				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
11 12				
	25	=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
Weedy Vine Stratum (Distaire) 20				of size, and woody plants less than 5.20 it tall.
Woody Vine Stratum (Plot size: 30)				Woody vines – All woody vines greater than 3.28 ft in bound
1				height.
2				Hydrophytic
3.				Vegetation
4				Present? Yes <u>No X</u>
		=Total Cover		
Remarks: (Include photo numbers here or on a sepa	arate sheet.)			

Depth	Matrix			x Featur			onfirm the absence of i	
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
i								
0-16	10YR 4/3	100					Loamy/Clayey	
¹ Type: C=C	oncentration, D=Dep	letion, RM	I=Reduced Matrix, N	/IS=Mas	ked Sand	l Grains.	² Location: PL=	Pore Lining, M=Matrix.
Hydric Soil	Indicators:						Indicators for	Problematic Hydric Soils ³ :
Histosol	(A1)		Polyvalue Belo	w Surfa	ce (S8) (I	LRR R,	2 cm Mucl	(A10) (LRR K, L, MLRA 149B)
Histic E	pipedon (A2)		MLRA 149B)			Coast Prai	rie Redox (A16) (LRR K, L, R)
Black H	istic (A3)		Thin Dark Surf	ace (S9) (LRR R	, MLRA 1	1 49B) 5 cm Mucł	xy Peat or Peat (S3) (LRR K, L, R)
Hydroge	en Sulfide (A4)		High Chroma	Sands (S	611) (LRF	R K, L)	Polyvalue	Below Surface (S8) (LRR K, L)
Stratifie	d Layers (A5)		Loamy Mucky	Mineral	(F1) (LRI	R K, L)	Thin Dark	Surface (S9) (LRR K, L)
Deplete	d Below Dark Surface	e (A11)	Loamy Gleyed	Matrix (F2)		Iron-Mang	anese Masses (F12) (LRR K, L, R)
Thick Da	ark Surface (A12)		Depleted Matri	x (F3)			Piedmont	Floodplain Soils (F19) (MLRA 149B)
Sandy N	/lucky Mineral (S1)		Redox Dark Su	•	,		Mesic Spo	odic (TA6) (MLRA 144A, 145, 149B)
	Gleyed Matrix (S4)		Depleted Dark					nt Material (F21)
	Redox (S5)		Redox Depres	•	8)			ow Dark Surface (F22)
	l Matrix (S6)		Marl (F10) (LR	R K, L)			Other (Exp	olain in Remarks)
Dark Su	rface (S7)							
3								
			etland hydrology m	ust be pi	resent, ur	iless dist	urbed or problematic.	
_	Layer (if observed):							
Type:	N/#	4						
Depth (i	nches):						Hydric Soil Present	? Yes <u>No X</u>
Remarks:								
								S Field Indicators of Hydric Soils,
Version 7.0,	2015 Errata. (http://w	ww.nrcs.	usda.gov/Internet/F	SE_DOO	CUMENT	S/nrcs14	2p2_051293.docx)	

Project/Site: Mohawk Solar	City/County: Marshville/ Mongtomery Sampling Date: 8/1/2018					
Applicant/Owner: Avantgrid	State: NY Sampling Point: 1wet@wetQQ					
Investigator(s): B. Roosa, R. Wojcikiewicz	Section, Township, Range: Minden					
Landform (hillside, terrace, etc.): Hillslope	Local relief (concave, convex, none): None Slope %: 3-5					
Subregion (LRR or MLRA): LRR R, MLRA 1444	Lat: <u>42.908191</u> Long: <u>-74.638285</u> Datum: <u>NAD83</u>					
Soil Map Unit Name: Madalins silty clay loam	NWI classification: PSS					
Are climatic / hydrologic conditions on the site typ	cal for this time of year? Yes X No (If no, explain in Remarks.)					
Are Vegetation, Soil, or Hydrology	significantly disturbed? Are "Normal Circumstances" present? Yes X No					
Are Vegetation, Soil, or Hydrology	re Vegetation, Soil, or Hydrologynaturally problematic? (If needed, explain any answers in Remarks.)					
SUMMARY OF FINDINGS – Attach sit	e map showing sampling point locations, transects, important features, etc.					
Hydrophytic Vegetation Present? Ye	S X No Is the Sampled Area					
Hydric Soil Present? Ye	X No within a Wetland? Yes X No					
Wetland Hydrology Present? Ye	S X No If yes, optional Wetland Site ID:					
Remarks: (Explain alternative procedures here of	r in a separate report.)					

Wetland Hydrology Indicators:		Secondary Indicators (minimum of two required)				
Primary Indicators (minimum of one is required; check all that	Surface Soil Cracks (B6)					
X Surface Water (A1) Water-Stai	Surface Water (A1) Water-Stained Leaves (B9)					
High Water Table (A2) Aquatic Fa	auna (B13)	Moss Trim Lines (B16)				
Saturation (A3) Marl Depos	sits (B15)	Dry-Season Water Table (C2)				
Water Marks (B1) Hydrogen S	Sulfide Odor (C1)	Crayfish Burrows (C8)				
Sediment Deposits (B2) X Oxidized R	Rhizospheres 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 Iron	n Reduction in Tilled Soils (C6)	X Geomorphic Position (D2)				
Iron Deposits (B5) Thin Muck	Surface (C7)	Shallow Aquitard (D3)				
Inundation Visible on Aerial Imagery (B7) Other (Exp	olain in Remarks)	X Microtopographic Relief (D4)				
Sparsely Vegetated Concave Surface (B8)		FAC-Neutral Test (D5)				
Field Observations:						
Surface Water Present? Yes X No D	epth (inches): 1					
Water Table Present? Yes No X D	epth (inches):					
Saturation Present? Yes X No D	epth (inches): 0 Wetlan	d Hydrology Present? Yes X No				
(includes capillary fringe)						
Describe Recorded Data (stream gauge, monitoring well, aeri	ial photos, previous inspections), if a	available:				
Remarks:						

Sampling Point: 1wet@wetQQ

Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
10	Yes	FACU	Number of Deminent One size
•			Number of Dominant SpeciesThat Are OBL, FACW, or FAC:3(A)
•			
			Total Number of DominantSpecies Across All Strata:6(B)
			Percent of Dominant Species That Are OBL, FACW, or FAC: 50.0% (A/B
	·		Prevalence Index worksheet:
10	=Total Cover		Total % Cover of: Multiply by:
)			OBL species 10 x 1 = 10
40	Yes	FAC	FACW species 115 x 2 = 230
25	Yes	FACU	FAC species 45 x 3 = 135
5	No	FACU	FACU species 40 x 4 = 160
	·		UPL species 5 x 5 = 25
	·		Column Totals: 215 (A) 560 (E
	·		Prevalence Index = B/A = 2.60
•			Hydrophytic Vegetation Indicators:
70	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
	•		2 - Dominance Test is >50%
35	Yes	FACW	X 3 - Prevalence Index is ≤3.0 ¹
20	No	FACW	4 - Morphological Adaptations ¹ (Provide supporti
40	Yes	FACW	data in Remarks or on a separate sheet)
15	No	FACW	Problematic Hydrophytic Vegetation ¹ (Explain)
5	No	FACW	
10	No	OBL	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
5	No	FAC	Definitions of Vegetation Strata:
•			
•			Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of heigh
•			
•			Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
	·		
130	=Total Cover		Herb – All herbaceous (non-woody) plants, regardles of size, and woody plants less than 3.28 ft tall.
	•		
)			Manager Allows a devide a subset of the start of the second start
) 5	Yes	UPL	
)5	Yes	UPL	Woody vines – All woody vines greater than 3.28 ft height.
)5	Yes	UPL	height. Hydrophytic
)5	Yes	UPL	
	$ \begin{array}{c} 10 \\ 10 \\ 10 \\ 10 \\ 10 \\ 25 \\ 5 \\ 10 \\ 20 \\ 40 \\ 15 \\ 5 \\ 10 \\ 10 \\ 10 \\ 10 \\ 10 \\ 10 \\ 10 \\ 10$	10 Yes 10 Yes 10 Formation of the second state of the second s	10 Yes FACU 10 Yes FACU 10 =Total Cover

	Matrix		Redo	x Featur	es			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-16	10YR 2/1	80	5YR 4/4	20	С	PL	Loamy/Clayey	Prominent redox concentrations
					. <u> </u>			
1 Type: C=Co	ncentration, D=Deple	otion PM	-Poducod Matrix		kod Sand	Graine	² Location:	PL=Pore Lining, M=Matrix.
Hydric Soil I				13-11185	keu Sano	i Grains.		or Problematic Hydric Soils ³ :
Histosol (Polyvalue Belo	w Surfa	ce (S8) (l			uck (A10) (LRR K, L, MLRA 149B)
	ipedon (A2)		MLRA 149B			LINIX IX,		rairie Redox (A16) (LRR K, L, R)
Black His			Thin Dark Surf	,		MLRA		ucky Peat or Peat (S3) (LRR K, L, R)
	n Sulfide (A4)		High Chroma		-			ue Below Surface (S8) (LRR K, L)
	Layers (A5)		Loamy Mucky					rk Surface (S9) (LRR K, L)
	Below Dark Surface	(A11)	Loamy Gleyed			,,		nganese Masses (F12) (LRR K, L, R)
	rk Surface (A12)	()	Depleted Matri		,			nt Floodplain Soils (F19) (MLRA 149E
	ucky Mineral (S1)		X Redox Dark S		6)			podic (TA6) (MLRA 144A, 145, 149B
	leyed Matrix (S4)		Depleted Dark		-			rent Material (F21)
Sandy Re	edox (S5)		Redox Depres	sions (Fa	B)		Very Sh	allow Dark Surface (F22)
Stripped	Matrix (S6)		Marl (F10) (LR	R K, L)			Other (E	Explain in Remarks)
Dark Sur	face (S7)							
³ Indicators of	hydrophytic vegetati	on and w	etland hydrology m	ust be pr	esent, ur	nless dist	urbed or problematic.	
Restrictive L	ayer (if observed):							
Type:	N/A	1						
							Hydric Soil Prese	

Project/Site: Mohawk Solar		City/Cou	unty: Marshville/ Mongtomery	Sampling Date: 8/1/2018
Applicant/Owner: Avant	grid		State: NY	Sampling Point: 1Up@wetQQ
Investigator(s): B. Roosa, R	. Wojcikiewicz		Section, Township, Range: Minde	en
Landform (hillside, terrace, e	etc.): Hillslope	Local relief (cor	ncave, convex, none): None	Slope %: 3-5
Subregion (LRR or MLRA):	LRR R, MLRA 144A Lat:	42.908471	Long: -74.637639	Datum: NAD83
Soil Map Unit Name: Mada	lin silt clay loam		NWI classificatio	on: N/A
Are climatic / hydrologic cond	ditions on the site typical for	this time of year?	Yes X No (If no	o, explain in Remarks.)
Are Vegetation, Soil	, or Hydrology	significantly disturbed?	Are "Normal Circumstances" pr	resent? Yes X No
Are Vegetation, Soil	, or Hydrology	naturally problematic?	(If needed, explain any answers	s in Remarks.)
SUMMARY OF FINDIN	IGS – Attach site map	showing sampling p	ooint locations, transects,	important features, etc.

Hydrophytic Vegetation Present?	Yes	No X	Is the Sampled Area					
Hydric Soil Present?	Yes	No X	within a Wetland? Yes No X					
Wetland Hydrology Present?	Yes	No X	If yes, optional Wetland Site ID:					
Remarks: (Explain alternative procedures here or in a separate report.)								

Wetland Hydrology Indicators:		Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is requ	Surface Soil Cracks (B6)	
Surface Water (A1)	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)	Oxidized Rhizospheres on Living Ro	cots (C3) Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3)	Presence of Reduced Iron (C4)	Stunted or Stressed Plants (D1)
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soils	s (C6) Geomorphic Position (D2)
Iron Deposits (B5)	Thin Muck Surface (C7)	X Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B	7) Other (Explain in Remarks)	Microtopographic Relief (D4)
Sparsely Vegetated Concave Surface (B8)	FAC-Neutral Test (D5)
Field Observations:		
Surface Water Present? Yes	No X Depth (inches):	
Water Table Present? Yes	No X Depth (inches):	
Saturation Present? Yes	No X Depth (inches):	Wetland Hydrology Present? Yes No X
(includes capillary fringe)		
(included capillary ininge)		
Describe Recorded Data (stream gauge, m	onitoring well, aerial photos, previous inspe	Lections), if available:
	onitoring well, aerial photos, previous inspe	I ections), if available:
Describe Recorded Data (stream gauge, m	onitoring well, aerial photos, previous inspe	I ections), if available:
	onitoring well, aerial photos, previous inspe	Lections), if available:
Describe Recorded Data (stream gauge, m	onitoring well, aerial photos, previous inspe	Lections), if available:
Describe Recorded Data (stream gauge, m	onitoring well, aerial photos, previous inspe	I ections), if available:
Describe Recorded Data (stream gauge, m	onitoring well, aerial photos, previous inspe	I ections), if available:
Describe Recorded Data (stream gauge, m	onitoring well, aerial photos, previous inspe	Lections), if available:
Describe Recorded Data (stream gauge, m	onitoring well, aerial photos, previous inspe	Lections), if available:
Describe Recorded Data (stream gauge, m	onitoring well, aerial photos, previous inspe	Lections), if available:
Describe Recorded Data (stream gauge, m	onitoring well, aerial photos, previous inspe	ections), if available:
Describe Recorded Data (stream gauge, m	onitoring well, aerial photos, previous inspe	Lections), if available:

Sampling Point: <u>1Up@wetQQ</u>

	Absolute	Dominant	Indicator	
Tree Stratum (Plot size: 30)	% Cover	Species?	Status	Dominance Test worksheet:
1. Tsuga canadensis	30	Yes	FACU	Number of Dominant Species
2. Fagus grandifolia	15	Yes	FACU	That Are OBL, FACW, or FAC: 1 (A)
3. Ostrya virginiana	10	No	FACU	Total Number of Dominant
4. Pinus strobus	10	No	FACU	Species Across All Strata: 6 (B)
5. 6.				Percent of Dominant Species That Are OBL, FACW, or FAC: 16.7% (A/B)
7.				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15)				$\begin{array}{c c} \hline \\ \hline $
1. Lonicera morrowii	40	Yes	FACU	FACW species 0 x 2 = 0
2. Rosa multiflora	10	Yes	FACU	FAC species 10 x 3 = 30
2				FACU species 115 x 4 = 460
1				UPL species 10 $x 5 = 50$
				Column Totals: 135 (A) 540 (B)
6.				Prevalence Index = B/A = 4.00
7				Hydrophytic Vegetation Indicators:
	50	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5)				2 - Dominance Test is >50%
1. Fragaria vesca	10	Yes	UPL	3 - Prevalence Index is ≤3.0 ¹
2				4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
3				
4				Problematic Hydrophytic Vegetation ¹ (Explain)
5				¹ Indicators of hydric soil and wetland hydrology must
6				be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8				Tree – Woody plants 3 in. (7.6 cm) or more in
9				diameter at breast height (DBH), regardless of height.
10				Sapling/shrub – Woody plants less than 3 in. DBH
11				and greater than or equal to 3.28 ft (1 m) tall.
12.				Herb – All herbaceous (non-woody) plants, regardless
	10	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30)				Woody vines – All woody vines greater than 3.28 ft in
1. Toxicodendron radicans	10	Yes	FAC	height.
2.				
3.				Hydrophytic
4.				Vegetation Present? Yes No X
	10	=Total Cover		
Remarks: (Include photo numbers here or on a sepa	rate sheet.)			1

Profile Des	cription: (Describe	to the dep	oth needed to doc	ument t	he indica	tor or co	onfirm the absence of indi	cators.)
Depth	Matrix		Redo	x Featu	res			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-3	10YR 2/1	100					Peat	
3-10	10YR 4/3	100					Loamy/Clayey	
	· · · · · · · · · · · · · · · · · · ·							
	·				·		·	
	·				·			
	·							
	·							
							·	
¹ Type: C=C	oncentration, D=Dep	letion RM	=Reduced Matrix	/S=Mas	ked Sanc	Grains	² Location: PL=Po	re Lining, M=Matrix.
Hydric Soil						<u>o</u> ranio		oblematic Hydric Soils ³ :
Histosol	(A1)		Polyvalue Belo	w Surfa	ice (S8) (I	RR R,	2 cm Muck (A	10) (LRR K, L, MLRA 149B)
Histic E	pipedon (A2)		MLRA 149B)			Coast Prairie	Redox (A16) (LRR K, L, R)
Black H	istic (A3)		Thin Dark Surf	ace (S9) (LRR R,	MLRA 1	149B) 5 cm Mucky P	eat or Peat (S3) (LRR K, L, R)
Hydroge	en Sulfide (A4)		High Chroma S	Sands (S	311) (LRF	R K, L)	Polyvalue Bel	ow Surface (S8) (LRR K, L)
Stratifie	d Layers (A5)		Loamy Mucky	Mineral	(F1) (LR	R K, L)	Thin Dark Sur	face (S9) (LRR K, L)
Deplete	d Below Dark Surface	e (A11)	Loamy Gleyed	Matrix ((F2)		Iron-Mangane	se Masses (F12) (LRR K, L, R)
Thick D	ark Surface (A12)		Depleted Matri	x (F3)			Piedmont Floo	odplain Soils (F19) (MLRA 149B)
Sandy M	/lucky Mineral (S1)		Redox Dark Su	urface (F	-6)		Mesic Spodic	(TA6) (MLRA 144A, 145, 149B)
Sandy C	Gleyed Matrix (S4)		Depleted Dark	Surface	e (F7)		Red Parent M	aterial (F21)
	Redox (S5)		Redox Depres					Dark Surface (F22)
	d Matrix (S6)		 Marl (F10) (LR		-		Other (Explain	
	Irface (S7)			. ,			、 、	,
31 11 1								
	Layer (if observed):		eliand hydrology mi	ust be p	resent, ur	iless dist	urbed or problematic.	
Type:	Clay com							
Depth (i	nches):	10					Hydric Soil Present?	Yes NoX
Remarks:								
								eld Indicators of Hydric Soils,
Version 7.0,	2015 Errata. (http://w	www.nrcs.u	usda.gov/Internet/F	SE_DO	CUMENT	S/nrcs14	2p2_051293.docx)	

Project/Site: Mohawk Solar		City/Co	unty: Montgom	ery County	Sar	mpling Date:	11/8/17
Applicant/Owner: Mohawk So	lar LLC			State:	NY S	ampling Point:	1wet@wetR
Investigator(s): John Wojcikiewicz	z, Shelby Zemken		Section, Towr	nship, Range: <u>T</u>	own of Can	ajoharie and N	∕linden
Landform (hillside, terrace, etc.):	Hillslope- gentle	Local relief (cc	ncave, convex,	, none): <u>Concav</u>	e	Slope	%: <u>1-2</u>
Subregion (LRR or MLRA): LRR	L Lat:	42.8708	Long: -	74.6304		Datum:	WGS84
Soil Map Unit Name: Lansing silt	loam, 8 to 15 percent	slopes		NWI classifi	cation: <u>PE</u>	M/ PSS	
Are climatic / hydrologic conditions	s on the site typical for	this time of year?	Yes X	No	(If no, expla	ain in Remarks	s.)
Are Vegetation, Soil	, or Hydrology	significantly disturbed?	Are "Norma	al Circumstances	s" present?	Yes X	No
Are Vegetation, Soil	, or Hydrology	naturally problematic?	(If needed,	explain any ans	wers in Rer	marks.)	
SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.							
Hydrophytic Vegetation Present? Hydric Soil Present?	Yes X	No withi	e Sampled Area n a Wetland?	Yes	<u> X N</u> d	o	
Wetland Hydrology Present?	Yes X	No If yes	s, optional Wetla	and Site ID:			

Remarks: (Explain alternative procedures here or in a separate report.)

Wetland Hydrology Indicators:			Secondary Indicators (minimum of two required)	
Primary Indicators (minimum of one is require	ed; check all that apply)		Surface Soil Cracks (B6)	
X Surface Water (A1)	Water-Stained Leaves (B9)		Drainage Patterns (B10)	
X High Water Table (A2)	Aquatic Fauna (B13)		Moss Trim Lines (B16)	
X Saturation (A3)	Marl Deposits (B15)		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 (
Drift Deposits (B3)	Presence of Reduced Iron (C4)		Stunted or Stressed Plants (D1)	
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soils	s (C6)	Geomorphic Position (D2)	
Iron Deposits (B5)	Thin Muck Surface (C7)		Shallow Aquitard (D3)	
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks)			Microtopographic Relief (D4)	
Sparsely Vegetated Concave Surface (Ba	8)		FAC-Neutral Test (D5)	
Field Observations:				
Surface Water Present? Yes X	No Depth (inches): 20			
Water Table Present? Yes X	No Depth (inches):			
Saturation Present? Yes X	No Depth (inches):	Wetlan	d Hydrology Present? Yes X No	
Saturation Present? Yes X (includes capillary fringe)	No Depth (inches):	Wetlan	d Hydrology Present? Yes X No	
	· · · /			
(includes capillary fringe)	· · · /			
(includes capillary fringe)	· · · /			
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(includes capillary fringe) Describe Recorded Data (stream gauge, mor	· · · /			

Sampling Point: 1wet@wetR

<u>Tree Stratum</u> (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1.		<u> </u>		Number of Dominant Species
2.				That Are OBL, FACW, or FAC:4 (A)
3				Total Number of Dominant
4				Species Across All Strata: 5 (B)
5				Percent of Dominant Species
6				That Are OBL, FACW, or FAC: 80.0% (A/B)
7				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15)	45		54.014	OBL species 20 x1 = 20 54.014 72 7 7 7
1. Cornus amomum	15	Yes	FACW	FACW species 70 x 2 = 140
2. Lonicera morrowii	5	Yes	FACU	FAC species $0 \times 3 = 0$
3. <u>Salix sp.</u>	5	Yes	FACW	FACU species <u>5</u> x 4 = <u>20</u>
4				UPL species 0 $x5 = 0$
5.				Column Totals: 95 (A) 180 (B)
6.				Prevalence Index = B/A = <u>1.89</u>
7				Hydrophytic Vegetation Indicators:
	25	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 15)				X 2 - Dominance Test is >50%
1. Phalaris arundinacea	30	Yes	FACW	X 3 - Prevalence Index is $≤3.0^{1}$
2. Onoclea sensibilis	5	No	FACW	4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
3. Lythrum salicaria	15	Yes	OBL	
4. Epilobium ciliatum	10	No	FACW	Problematic Hydrophytic Vegetation ¹ (Explain)
5. Scirpus cyperinus	5	No	OBL	¹ Indicators of hydric soil and wetland hydrology must
6. <i>.Lysimachia nummularia</i>	5	No	FACW	be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8				Tree – Woody plants 3 in. (7.6 cm) or more in
9				diameter at breast height (DBH), regardless of height.
10				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
11 12				
12.	70	=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30)				Woody vines – All woody vines greater than 3.28 ft in
1				height.
2				l hadne a ha die
3				Hydrophytic Vegetation
4				Present? Yes X No
		=Total Cover		
Remarks: (Include photo numbers here or on a sepa	arate sheet.)			

Profile Dese	cription: (Describe	to the de	pth needed to doc	ument t	he indica	ator or c	onfirm the absence of ind	licators.)
Depth	Matrix		Redo	x Featur	res			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-6	10YR 2/2	100					Loamy/Clayey	Clay Silt Loam
6-10	10YR 3/1	95	7.5YR 5/6	5	С	М	Loamy/Clayey	Clay Silt Loam
10-16	10YR 5/1	85	7.5YR 5/6	15	С	М	Loamy/Clayey	Clay Silt Loam
							·	
							·	
							· ·	
¹ Type: C=C	oncentration, D=Depl	etion, RN	/=Reduced Matrix, N	MS=Mas	ked San	d Grains.	² Location: PL=P	ore Lining, M=Matrix.
Hydric Soil								roblematic Hydric Soils ³ :
Histosol	(A1)		Polyvalue Belo	ow Surfa	ice (S8) (LRR R,	2 cm Muck (A10) (LRR K, L, MLRA 149B)
Histic E	pipedon (A2)		MLRA 149B	B)				e Redox (A16) (LRR K, L, R)
	istic (A3)		Thin Dark Sur	-				Peat or Peat (S3) (LRR K, L, R)
	en Sulfide (A4)		High Chroma					elow Surface (S8) (LRR K, L)
	d Layers (A5)	(Loamy Mucky			R K, L)		urface (S9) (LRR K, L)
	d Below Dark Surface	e (A11)	Loamy Gleyed		(F2)			ese Masses (F12) (LRR K, L, R)
	ark Surface (A12)		X Depleted Matri		-6)			odplain Soils (F19) (MLRA 149B)
	/lucky Mineral (S1) Gleyed Matrix (S4)		Depleted Dark					c (TA6) (MLRA 144A, 145, 149B) Material (F21)
	Redox (S5)		Redox Depres					v Dark Surface (F22)
	Matrix (S6)		Marl (F10) (LR		0)			in in Remarks)
	rface (S7)			, _/				
		ion and v	vetland hydrology m	ust be pi	resent, u	nless dis	turbed or problematic.	
Type:	Layer (if observed): N/A	7						
Depth (i		1					Hydric Soil Present?	_{Yes} X _{No}
Remarks:	, <u> </u>						,	
	m is revised from No	rthcentra	I and Northeast Red	ional Su	Ipplemen	t Version	2.0 to include the NRCS F	Field Indicators of Hydric Soils,
	2015 Errata. (http://w							, , , , , , , , , , , , , , , , , , ,

Project/Site: Mohawk Solar	City/County: Montgomery County Sampling Date: 11/8/17
Applicant/Owner: Mohawk Solar LLC	State: NY Sampling Point: 1Up@WetR
Investigator(s): John Wojcikiewicz, Shelby Zemken	Section, Township, Range: Town of Canajoharie and Minden
Landform (hillside, terrace, etc.): Hillslope	Local relief (concave, convex, none): None Slope %: 2
Subregion (LRR or MLRA): LRR L Lat: 42	2.8709 Long:74.6304 Datum: WGS84
Soil Map Unit Name: Lansing Silt Loam, 8 to 15 percent slo	lopes NWI classification: N/A
Are climatic / hydrologic conditions on the site typical for this	is time of year? Yes X No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrologysig	ignificantly disturbed? Are "Normal Circumstances" present? Yes X No
Are Vegetation, Soil, or Hydrologyna	aturally problematic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map sl	showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes	No X	Is the Sampled Area within a Wetland? Yes No X If yes, optional Wetland Site ID:
Hydric Soil Present?	Yes	No X	
Wetland Hydrology Present?	Yes	No X	
Remarks: (Explain alternative procedu	ires here or in a	separate report.)	<u>.</u>

Wetland Hydrology Indicat	ors:				Secondary Indicators (minimum	of two required)
Primary Indicators (minimum	n of one is require	ed; check all	that apply)		Surface Soil Cracks (B6)	
Surface Water (A1)		Water-	Stained Leaves (B9)		Drainage Patterns (B10)	
High Water Table (A2)		Aquatio	c Fauna (B13)		Moss Trim Lines (B16)	
Saturation (A3)		Marl D	eposits (B15)		Dry-Season Water Table (C	2)
Water Marks (B1)		Hydrog	gen Sulfide Odor (C1)		Crayfish Burrows (C8)	
Sediment Deposits (B2)		Oxidized Rhizospheres on Living Roots (C3) Saturation Visible on Aerial Imagery			Imagery (C9)	
Drift Deposits (B3)		Presence 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 Surface (C7)			Shallow Aquitard (D3)	
Inundation Visible on Ae	rial Imagery (B7) Other ((Explain in Remarks)		Microtopographic Relief (D4)
Sparsely Vegetated Con	icave Surface (B	8)			FAC-Neutral Test (D5)	
Field Observations:						
Surface Water Present?	Yes	No X	Depth (inches):			
Water Table Present?	Yes	No X	Depth (inches):			
Saturation Present?	Yes	No X	Depth (inches):	Wotlan	nd Hydrology Present? Yo	es No X
Saturation resent:	100			would	ia nyarology i resent. I i	
(includes capillary fringe)	100		2 op (e.).	Wetlan		
(includes capillary fringe)			aerial photos, previous inspe			<u></u>
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(includes capillary fringe) Describe Recorded Data (str						

Sampling Point: 1Up@WetR

<u>Tree Stratum</u> (Plot size: <u>30</u>)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. 2.				Number of Dominant Species That Are OBL, FACW, or FAC:2 (A)
3. 4.				Total Number of Dominant Species Across All Strata: <u>3</u> (B)
5 6				Percent of Dominant Species That Are OBL, FACW, or FAC: <u>66.7%</u> (A/B)
7				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15)				OBL species 0 x 1 = 0
1. Lonicera morrowii	30	Yes	FACU	FACW species 0 x 2 = 0
2. Rhamnus cathartica	10	No	FAC	FAC species 100 x 3 = 300
3. Cornus racemosa	50	Yes	FAC	FACU species 40 x 4 =160
4				UPL species 0 x 5 = 0
5				Column Totals: 140 (A) 460 (B)
6				Prevalence Index = B/A = 3.29
7				Hydrophytic Vegetation Indicators:
	90	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 15)				X 2 - Dominance Test is >50%
1. Solidago sp.	40	Yes	FAC	3 - Prevalence Index is ≤3.0 ¹
2. Galium mollugo	5	No	FACU	4 - Morphological Adaptations ¹ (Provide supporting
3. Vicia cracca	5	No	FACU	data in Remarks or on a separate sheet)
4.				Problematic Hydrophytic Vegetation ¹ (Explain)
5.				
6.				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7.				Definitions of Vegetation Strata:
8				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
10				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
12.	50	=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size:30) 1.				Woody vines – All woody vines greater than 3.28 ft in height.
2.				
3.				Hydrophytic Vegetation
4.				Vegetation Present? Yes X No
	:	=Total Cover		
Remarks: (Include photo numbers here or on a sepa	rate sheet.)			

Depth	Matrix		Redo	x Featu	res			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-16	10YR 4/3	100					Loamy/Clayey	Silt Loam
					· <u> </u>			
					·			
					·			
					·			
					·			
					. <u> </u>			
					· <u> </u>			
	oncentration, D=Dep	letion, RM	1=Reduced Matrix, N	/IS=Mas	ked Sand	d Grains.		L=Pore Lining, M=Matrix.
Hydric Soil								or Problematic Hydric Soils ³ :
Histosol			Polyvalue Belo		ice (S8) (LRR R,		ck (A10) (LRR K, L, MLRA 149B)
	pipedon (A2)		MLRA 149B					rairie Redox (A16) (LRR K, L, R)
	istic (A3) en Sulfide (A4)		Thin Dark Surf High Chroma S					cky Peat or Peat (S3) (LRR K, L, R) e Below Surface (S8) (LRR K, L)
	d Layers (A5)		Loamy Mucky					k Surface (S9) (LRR K, L)
	d Below Dark Surface	e (A11)	Loamy Gleyed			···, ∟/		iganese Masses (F12) (LRR K, L, R
	ark Surface (A12)	()	Depleted Matri		()			it Floodplain Soils (F19) (MLRA 149
	/ucky Mineral (S1)		Redox Dark Su		=6)			oodic (TA6) (MLRA 144A, 145, 149 E
	Gleyed Matrix (S4)		Depleted Dark		-			ent Material (F21)
Sandy F	Redox (S5)		Redox Depres	sions (F	8)		Very Sha	allow Dark Surface (F22)
Stripped	l Matrix (S6)		Marl (F10) (LR	R K, L)			Other (Ex	xplain in Remarks)
Dark Su	ırface (S7)							
0								
			etland hydrology mu	ust be p	resent, u	nless dist	urbed or problematic.	
_	Layer (if observed): N/A							
Type:		1					Ubadaia Osii Dassaa	
Depth (i	ncnes):						Hydric Soil Presen	nt? Yes No X
Remarks:								
	rm is revised from No 2015 Errata. (http://v		0					CS Field Indicators of Hydric Soils,
version 7.0,	2010 Endia. (http://v		dodd.gov/mternet/1	02_00	COMENT	0/110014	202_001200.00000	

Project/Site: Mohawk Solar		City/County: Marshville/ Mongtomery	Sampling Date: 8/27/2018
Applicant/Owner: Avantgrid		State: NY	Sampling Point: 1wet@wetRR
Investigator(s): B. Roosa, R. Wojc	ikiewicz	Section, Township, Range: Minden	
Landform (hillside, terrace, etc.):	Bowl-shaped depression Loca	al relief (concave, convex, none): <u>Concave</u>	Slope %: 1-3
Subregion (LRR or MLRA): LRR F	R, MLRA 144A Lat: 42.912405	Long:74.636609	Datum: NAD83
Soil Map Unit Name: Darien silt lo	am	NWI classification:	PSS
Are climatic / hydrologic conditions	on the site typical for this time of year?	Yes X No (If no, e	explain in Remarks.)
Are Vegetation, Soil	, or Hydrologysignificantly dist	urbed? Are "Normal Circumstances" prese	ent? Yes X No
Are Vegetation, Soil	, or Hydrologynaturally problem	natic? (If needed, explain any answers in	ı Remarks.)
SUMMARY OF FINDINGS -	 Attach site map showing sar 	npling point locations, transects, im	portant features, etc.
Hydrophytic Vegetation Present?	Yes X No	Is the Sampled Area	
Hydric Soil Present?	Yes X No	within a Wetland? Yes X	No
Wetland Hydrology Present?	Yes X No	If yes, optional Wetland Site ID:	
Remarks: (Explain alternative pro	cedures here or in a separate report.)		

Wetland Hydrology Indicators:		Secondary Indicators (minimum of two re	equired)
Primary Indicators (minimum of one is require	ed; check all that apply)	Surface Soil Cracks (B6)	
Surface Water (A1)	Water-Stained Leaves (B9)	X 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)	X Oxidized Rhizospheres on Living Ro	ots (C3) Saturation Visible on Aerial Imagery	(C9)
Drift Deposits (B3)	Presence of Reduced Iron (C4)	Stunted or Stressed Plants (D1)	
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soils	(C6) X Geomorphic Position (D2)	
Iron Deposits (B5)	Thin Muck Surface (C7)	Shallow Aquitard (D3)	
Inundation Visible on Aerial Imagery (B7)	Other (Explain in Remarks)	Microtopographic Relief (D4)	
Sparsely Vegetated Concave Surface (B	3)	X FAC-Neutral Test (D5)	
Field Observations:			
Surface Water Present? Yes	No X Depth (inches):		
Water Table Present? Yes	No X Depth (inches):		
Saturation Present? Yes	No X Depth (inches):	Wetland Hydrology Present? Yes X	No
Saturation Present? Yes (includes capillary fringe)	No X Depth (inches):	Wetland Hydrology Present? Yes X	_ No
			_ No
(includes capillary fringe)			_ No
(includes capillary fringe)			_ No
(includes capillary fringe)			_ No
(includes capillary fringe) Describe Recorded Data (stream gauge, mor			_ No
(includes capillary fringe) Describe Recorded Data (stream gauge, mor			_ No
(includes capillary fringe) Describe Recorded Data (stream gauge, mor			_ No
(includes capillary fringe) Describe Recorded Data (stream gauge, mor			_ No
(includes capillary fringe) Describe Recorded Data (stream gauge, mor			_ No
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(includes capillary fringe) Describe Recorded Data (stream gauge, mor			_ No
(includes capillary fringe) Describe Recorded Data (stream gauge, mor			_ No

Sampling Point: 1wet@wetRR

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. 2.		·		Number of Dominant Species That Are OBL, FACW, or FAC: <u>6</u> (A)
3. 4.				Total Number of Dominant Species Across All Strata: <u>6</u> (B)
5. 6.				Percent of Dominant Species That Are OBL, FACW, or FAC:100.0% (A/B)
7				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15)				OBL species 20 x 1 = 20
1. Cornus racemosa	25	Yes	FAC	FACW species 70 $x 2 = 140$
2. Salix lucida	10	Yes	FACW	FAC species 45 x 3 = 135
3.				FACU species 0 x 4 = 0
4.				UPL species $0 \times 5 = 0$
5				Column Totals: 135 (A) 295 (B)
6		·		Prevalence Index = $B/A = 2.19$
7.				Hydrophytic Vegetation Indicators:
/		-Tatal Causa		
	35	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5)				X 2 - Dominance Test is >50%
1. Asclepias incarnata	20	Yes	OBL	X_3 - Prevalence Index is ≤3.0 ¹
2. Solidago sp.	20	Yes	FAC	4 - Morphological Adaptations ¹ (Provide supporting
3. Impatiens capensis	20	Yes	FACW	data in Remarks or on a separate sheet)
4. Onoclea sensibilis	20	Yes	FACW	Problematic Hydrophytic Vegetation ¹ (Explain)
5. Phalaris arundinacea	10	No	FACW	¹ Indicators of hydric soil and wetland hydrology must
6. Equisetum sp.	10	No	FACW	be present, unless disturbed or problematic.
7.		·		Definitions of Vegetation Strata:
8.		·		
9.		·		Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
10.				
11.				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
12				Herb – All herbaceous (non-woody) plants, regardless
	100	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size:30) 1.				Woody vines – All woody vines greater than 3.28 ft in height.
2.		·		
				Hydrophytic
				Vegetation Present? Yes X No
4		Tatal Osuar		Present? Yes <u>X</u> No
		=Total Cover		
Remarks: (Include photo numbers here or on a sepa	arate sheet.)			

Profile Desc	ription: (Describe	to the de	epth needed to doci	ument tł	he indica	ator or co	onfirm the absence o	of indicato	rs.)	
Depth	Matrix		Redo	x Featur	es					
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture		Remar	ks
0-12	10YR 3/2	90	7.5YR 4/6	10	<u> </u>	PL/M	Loamy/Clayey	Promin	ent redox c	oncentrations
¹ Type: C=Co	ncentration, D=Dep	letion, R	/	//S=Masl	 ked Sand	d Grains.	2Location: F	PL=Pore Lir	ning, M=Ma	trix.
Hydric Soil I			-				Indicators f		-	
Histosol ((A1)		Polyvalue Belo	w Surfa	ce (S8) (LRR R,	2 cm M	uck (A10) (l	LRR K, L, M	ILRA 149B)
Histic Ep	pedon (A2)		MLRA 149B)			Coast P	rairie Redo	x (A16) (LF	RR K, L, R)
Black His	tic (A3)		Thin Dark Surf	ace (S9)) (LRR R	, MLRA 1	49B) 5 cm M	ucky Peat o	or Peat (S3)	(LRR K, L, R)
Hydroger	n Sulfide (A4)		High Chroma S	Sands (S	611) (LRI	R K, L)	Polyvalı	ue Below S	urface (S8)	(LRR K, L)
Stratified	Layers (A5)		Loamy Mucky	Mineral ((F1) (LR	R K, L)	Thin Da	rk Surface	(S9) (LRR	K, L)
	Below Dark Surface	e (A11)	Loamy Gleyed) (LRR K, L, R)
	rk Surface (A12)	()	Depleted Matri		,			-	-	9) (MLRA 149B)
	ucky Mineral (S1)		X Redox Dark Su		6)					I4A, 145, 149B)
Sandy Gl	eyed Matrix (S4)		Depleted Dark	•	,			rent Materia		,
	edox (S5)		Redox Depres	sions (F8	B)		Very Sh	allow Dark	Surface (F2	22)
	Matrix (S6)		 Marl (F10) (LR		,			Explain in R		,
Dark Sur				. ,			、	·	,	
³ Indicators of	hydrophytic vegetat	ion and v	vetland hydrology mu	ust be pr	esent, u	nless dist	urbed or problematic.			
Restrictive L	ayer (if observed):									
Type:	N/A	4								
Depth (in	ches):						Hydric Soil Prese	nt?	Yes	No
			।l and Northeast Reg .usda.gov/Internet/Ft				2.0 to include the NR 2p2_051293.docx)	CS Field In	dicators of	Hydric Soils,

Project/Site:	Mohawk	Solar			City/County: Mar	shville, Montgome	ery	Sampling Date:	8/1/1	8
Applicant/Own	ner: <u>A</u>	Avantgri	ıd			State	e: NY	Sampling Poin	it: 10p	p@wetRR
Investigator(s)): <u>SZ, SB</u>				Section,	Township, Range	: Town o	of Minden		
Landform (hills	side, terra	ce, etc.	.): Hillslope	L	ocal relief (concave, co	nvex, none): <u>Con</u>	vex	Slop	e %:	3-5
Subregion (LR	R or MLR≀	A): <u>L</u>	RR R, MLRA 144A	Lat: <u>42.912407</u>	Lo	ng: <u>-74.636670</u>		Datum:	NAD	83
Soil Map Unit	Name: <u>C</u>)arien s	ilt loam			NWI clas	sification	1: <u>N/A</u>		
Are climatic / ł	hydrologic	conditi	ions on the site typica	al for this time of ye	ar? Yes_	X No	(If no,	, explain in Remark	(s.)	
Are Vegetation	n,	Soil _	, or Hydrology	significantly d	isturbed? Are "N	lormal Circumstar	ices" pres	sent? Yes X	No	
Are Vegetation	n,	Soil _	, or Hydrology	naturally prob	lematic? (If nee	eded, explain any a	answers i	in Remarks.)		
SUMMARY	OF FIN	IDING	S – Attach site	map showing ۽	sampling point lo	cations, trans	ects, in	nportant featu	ires,	etc.

Hydrophytic Vegetation Present?	Yes	No X	Is the Sampled Area				
Hydric Soil Present?	Yes	No X	within a Wetland? Yes No X				
Wetland Hydrology Present?	Yes	No X	If yes, optional Wetland Site ID:				
Remarks: (Explain alternative procedures here or in a separate report.)							

Wetland Hydrology Indicators:		Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one	is 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)	Oxidized Rhizospheres on Living R	Roots (C3) Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3)	Presence of Reduced Iron (C4)	Stunted or Stressed Plants (D1)
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soil	ils (C6) Geomorphic Position (D2)
Iron Deposits (B5)	Thin Muck Surface (C7)	Shallow Aquitard (D3)
Inundation Visible on Aerial Ima	agery (B7) Other (Explain in Remarks)	Microtopographic Relief (D4)
Sparsely Vegetated Concave S	urface (B8)	FAC-Neutral Test (D5)
Field Observations:		
Surface Water Present? Yes	No X Depth (inches):	
Water Table Present? Yes	No X Depth (inches):	
Saturation Present? Yes	No X Depth (inches):	Wetland Hydrology Present? Yes No X
(includes capillary fringe)		
Describe Recorded Data (stream ga	auge, monitoring well, aerial photos, previous inspe	pections), if available:
Remarks:		

Sampling Point: 1Up@wetRR

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. Populus tremuloides	35	Yes	FACU	Number of Dominant Species
2				That Are OBL, FACW, or FAC:(A)
3. 4.				Total Number of Dominant Species Across All Strata: <u>6</u> (B)
5. 6.				Percent of Dominant Species That Are OBL, FACW, or FAC: 33.3% (A/B)
7				Prevalence Index worksheet:
	35	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15)				OBL species x 1 =0
1. Lonicera morrowii	20	Yes	FACU	FACW species 0 x 2 = 0
2				FAC species 70 x 3 = 210
3.				FACU species 75 x 4 = 300
4.				UPL species 25 x 5 = 125
5.				Column Totals: 170 (A) 635 (B)
6.				Prevalence Index = $B/A = 3.74$
7.				Hydrophytic Vegetation Indicators:
	20	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
<u>Herb Stratum</u> (Plot size: 5)				2 - Dominance Test is >50%
1. Solidago sp.	50	Yes	FAC	3 - Prevalence Index is ≤3.0 ¹
2. Trifolium repens	20	Yes	FACU	4 - Morphological Adaptations ¹ (Provide supporting
3. Galium sp.	20	Yes	FAC	data in Remarks or on a separate sheet)
4. Daucus carota	10	No	UPL	Problematic Hydrophytic Vegetation ¹ (Explain)
5.				¹ Indicators of hydric soil and wetland hydrology must
6				be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8 9.				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
10.				
11.				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
12.				Herb – All herbaceous (non-woody) plants, regardless
	100	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30)				Woody vines – All woody vines greater than 3.28 ft in
1. Vitis vinifera	15	Yes	UPL	height.
2.				
3.				Hydrophytic
4.				Vegetation Present? Yes <u>No X</u>
	15	=Total Cover		
Remarks: (Include photo numbers here or on a sepa				
······· (······ p····· ····· ···· ····· ····· ·····	,			

Profile Desc	ription: (Describe	to the de	pth needed to docu	iment t	he indica	ator or c	onfirm the absence of in	idicators.)
Depth	Matrix			(Featur		0		
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-12	10YR 3/1	100					Loamy/Clayey	
							·	
		·					······································	
							·······	
17 0.0							2	
		letion, RN	1=Reduced Matrix, M	IS=Mas	ked Sand	d Grains.		Pore Lining, M=Matrix.
Hydric Soil					(00) (Problematic Hydric Soils ³ :
Histosol	. ,		Polyvalue Belo		ice (S8) (I	LRR R,		(A10) (LRR K, L, MLRA 149B)
	pipedon (A2)		MLRA 149B)					ie Redox (A16) (LRR K, L, R)
Black Hi			Thin Dark Surfa				· · · ·	y Peat or Peat (S3) (LRR K, L, R)
	n Sulfide (A4)		High Chroma S					Below Surface (S8) (LRR K, L)
	l Layers (A5)		Loamy Mucky			R K, L)		Surface (S9) (LRR K, L)
	Below Dark Surface	e (A11)	Loamy Gleyed		(F2)			nese Masses (F12) (LRR K, L, R)
	rk Surface (A12)		Depleted Matrix					loodplain Soils (F19) (MLRA 149B)
	lucky Mineral (S1)		Redox Dark Su	•	'			lic (TA6) (MLRA 144A, 145, 149B)
	leyed Matrix (S4)		Depleted Dark					Material (F21)
	edox (S5)		Redox Depress	•	8)		Very Shallo	w Dark Surface (F22)
Stripped	Matrix (S6)		Marl (F10) (LR I	R K, L)			Other (Expl	ain in Remarks)
Dark Su	face (S7)							
³ Indicators of	f hydrophytic vegetat	ion and w	etland hydrology mu	st be p	resent, ur	nless dist	turbed or problematic.	
Restrictive I	_ayer (if observed):							
Туре:	Roo	ot						
Depth (ir	nches):	12					Hydric Soil Present?	Yes NoX
Remarks:								
	m is revised from No	orthcentral	and Northeast Regi	onal Su	Ipplemen	t Version	2.0 to include the NRCS	Field Indicators of Hydric Soils,
Version 7.0,	2015 Errata. (http://v	ww.nrcs.	usda.gov/Internet/FS	SE_DOO	CUMENT	S/nrcs14	2p2_051293.docx)	

Project/Site: Mohawk Solar	City/County: Montgomery County Sampling Date: 10/27/17
Applicant/Owner: Mohawk Solar LLC	State: NY Sampling Point: 1wet@wetS
Investigator(s): John Wojcikiewicz, Shelby Zemken	Section, Township, Range: Town of Canajoharie and Minden
Landform (hillside, terrace, etc.): Channel (inactive)	Local relief (concave, convex, none): Concave Slope %: 0-3
Subregion (LRR or MLRA): LRR L Lat: 42.8654	Long: -74.6439 Datum: WGS84
Soil Map Unit Name: Madalin silty clay loam	NWI classification: PEM
Are climatic / hydrologic conditions on the site typical for this time of y	ear? Yes X No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrologysignificantly	disturbed? Are "Normal Circumstances" present? Yes X No
Are Vegetation, Soil, or Hydrologynaturally pro	blematic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing	sampling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes X No	Is the Sampled Area
Hydric Soil Present? Yes X No	within a Wetland? Yes X No
Wetland Hydrology Present? Yes X No	If yes, optional Wetland Site ID:
Remarks: (Explain alternative procedures here or in a separate repo	rt.)

	Wetland Hydrology Indicators:						
Primary Indicators (minimum of one is require		Surface Soil Cracks (B6)					
X Surface Water (A1)	Water-Stained Leaves (B9)		Drainage Patterns (B10)				
X High Water Table (A2)	Aquatic Fauna (B13)		Moss Trim Lines (B16)				
X Saturation (A3)	Marl Deposits (B15)		Dry-Season Water Table (C2)				
Water Marks (B1)	Hydrogen Sulfide Odor (C1)		_ Crayfish Burrows (C8)				
Sediment Deposits (B2)	Oxidized Rhizospheres on Living Ro	oots (C3)	Saturation Visible on Aerial Imagery (C9)				
Drift Deposits (B3)	Presence of Reduced Iron (C4)		Stunted or Stressed Plants (D1)				
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soils	s (C6)	Geomorphic Position (D2)				
Iron Deposits (B5)	Thin Muck Surface (C7)		– Shallow Aquitard (D3)				
Inundation Visible on Aerial Imagery (B7)) Other (Explain in Remarks)	×	– Microtopographic Relief (D4)				
Sparsely Vegetated Concave Surface (B	8)		FAC-Neutral Test (D5)				
Field Observations:			_				
Surface Water Present? Yes X	No Depth (inches):						
Water Table Present? Yes X	No Depth (inches):						
Saturation Present? Yes	No X Depth (inches):	Wetland H	ydrology Present? Yes X No				
(includes capillary fringe)							
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:							
Describe Recorded Data (stream gauge, mor	nitoring well, aerial photos, previous inspe	ctions), if avai	lable:				
Describe Recorded Data (stream gauge, mor	nitoring well, aerial photos, previous inspe	ctions), if avai	lable:				
	nitoring well, aerial photos, previous inspe	ctions), if avai	lable:				
Describe Recorded Data (stream gauge, mor Remarks:	nitoring well, aerial photos, previous inspe	ctions), if avai	lable:				
	nitoring well, aerial photos, previous inspe	ctions), if avai	lable:				
	nitoring well, aerial photos, previous inspe	ctions), if avai	lable:				
	nitoring well, aerial photos, previous inspe	ctions), if avai	lable:				
	nitoring well, aerial photos, previous inspe	ctions), if avai	lable:				
	nitoring well, aerial photos, previous inspe	ctions), if avai	lable:				
	nitoring well, aerial photos, previous inspe	ctions), if avai	lable:				
	nitoring well, aerial photos, previous inspe	ctions), if avai	lable:				
	nitoring well, aerial photos, previous inspe	ctions), if avai	lable:				

Sampling Point: 1wet@wetS

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. 2.				Number of Dominant Species That Are OBL, FACW, or FAC: (A)
3 4				Total Number of Dominant Species Across All Strata:2(B)
5. 6.				Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100.0%</u> (A/B)
7				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15)				OBL species 10 x 1 = 10
1.				FACW species 55 x 2 = 110
2.				FAC species 10 x 3 = 30
3.				FACU species 0 x 4 = 0
4				UPL species 0 x 5 = 0
				Column Totals: 75 (A) 150 (B)
				Prevalence Index = $B/A = 2.00$
o 7.				Hydrophytic Vegetation Indicators:
··		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 15)				X 2 - Dominance Test is >50%
1. Phalaris arundinacea	40	Yes	FACW	X 3 - Prevalence Index is $\leq 3.0^{1}$
	15	Yes	FACW	4 - Morphological Adaptations ¹ (Provide supporting
2. <u>Glyceria sp.</u> 3. Juncus effusus	10		OBL	data in Remarks or on a separate sheet)
·		No		
4. <u>Carex sp.</u>	10	No	FAC	Problematic Hydrophytic Vegetation ¹ (Explain)
5.				¹ Indicators of hydric soil and wetland hydrology must
6				be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8 9				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
10 11				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
12	75	=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
<u>Woody Vine Stratum</u> (Plot size: <u>30</u>) 1.				Woody vines – All woody vines greater than 3.28 ft in height.
2				lingu.
				Hydrophytic
3				Vegetation
4		-Tatal Causer		Present?
		=Total Cover		
Remarks: (Include photo numbers here or on a sepa	irate sheet.)			

SOIL

Profile Desc	ription: (Describe	to the de	pth needed to docu	ument ti	he indica	tor or co	onfirm the absence o	f indicators.)
Depth	Matrix		Redo	x Featur	es			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-8	10YR 2/2	85	7.5YR 5/6	15	С	Μ	Loamy/Clayey	Silt Clay Loam
8-16	10YR 2/1	85	7.5YR 5/6	15	С	Μ	Loamy/Clayey	Silt Clay Loam
¹ Type: C=Co	oncentration, D=Depl	etion, RM	Reduced Matrix, N	/IS=Masl	ked Sand	Grains.	² Location: P	PL=Pore Lining, M=Matrix.
Hydric Soil	Indicators:							or Problematic Hydric Soils ³ :
Histosol			Polyvalue Belo		ce (S8) (I	LRR R,		uck (A10) (LRR K, L, MLRA 149B)
	oipedon (A2)		MLRA 149B	,				rairie Redox (A16) (LRR K, L, R)
Black Hi			Thin Dark Surf		-			ucky Peat or Peat (S3) (LRR K, L, R)
	n Sulfide (A4)		High Chroma S					le Below Surface (S8) (LRR K, L)
	l Layers (A5)	(111)	Loamy Mucky			ΚΚ, L)		rk Surface (S9) (LRR K, L)
	d Below Dark Surface ark Surface (A12)	e (A11)	Loamy Gleyed		FZ)			nganese Masses (F12) (LRR K, L, R)
	lucky Mineral (S1)		Depleted Matri		6)			nt Floodplain Soils (F19) (MLRA 149B) podic (TA6) (MLRA 144A, 145, 149B)
· · · · · · · · · · · · · · · · · · ·	lileyed Matrix (S4)		Depleted Dark		-			rent Material (F21)
	edox (S5)		Redox Depress					allow Dark Surface (F22)
	Matrix (S6)		Marl (F10) (LR	•	5)			Explain in Remarks)
	rface (S7)			кк, с)				
³ Indicators of	f hydrophytic vegetat	ion and w	etland hydrology mι	ust be pr	esent, ur	nless dist	urbed or problematic.	
	Layer (if observed):							
Type:	N/A	Α						
Depth (ir	nches):						Hydric Soil Prese	nt? Yes <u>X</u> No
Remarks:								
								CS Field Indicators of Hydric Soils,
version 7.0,	2015 Errata. (http://w	/ww.nics.u	usua.gov/internet/F3	SE_DOC		5/nrcs 14	2p2_051293.d0cx)	

Project/Site: Mohawk Solar	City/County: Montgomery County Sampling Date: 10/27/17
Applicant/Owner: Mohawk Solar LLC	State: NY Sampling Point: 1Up@Wets
Investigator(s): John Wojcikiewicz, Shelby Zemken	Section, Township, Range: Town of Canajoharie and Minden
Landform (hillside, terrace, etc.): Channel (Active)	ocal relief (concave, convex, none): <u>Concave</u> Slope %: <u>0-3</u>
Subregion (LRR or MLRA): LRR L Lat: 42.8656	Long: <u>-74.6442</u> Datum: <u>WGS84</u>
Soil Map Unit Name: Madalin silty clay loam	NWI classification: N/A
Are climatic / hydrologic conditions on the site typical for this time of year	ar? Yes X No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrologysignificantly d	listurbed? Are "Normal Circumstances" present? Yes X No
Are Vegetation, Soil, or Hydrologynaturally prob	elematic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing s	sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes	No X	Is the Sampled Area within a Wetland? Yes No X If yes, optional Wetland Site ID:
Hydric Soil Present?	Yes	No X	
Wetland Hydrology Present?	Yes	No X	
Remarks: (Explain alternative procedu	res here or in a	separate report.)	

Primary Indicators (minimum of one is 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)Oxidized Rhizospheres on Living Roots (C3)Saturation Visible on Aerial Imagery (C9)
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)
Saturation (A3) Marl Deposits (B15) Dry-Season Water Table (C2) Water Marks (B1) Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8)
Water Marks (B1) Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8)
Sediment Deposits (B2) Oxidized Rhizospheres on Living Roots (C3) Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3) Presence 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 Surface (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 No X Depth (inches):
Water Table Present? Yes No X Depth (inches):
Saturation Present? Yes No X Depth (inches): Wetland Hydrology Present? Yes No X
(includes capillary fringe)
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:
Remarks:

Sampling Point: 1Up@WetS

<u>Tree Stratum</u> (Plot size: <u>30</u>)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. 2.				Number of Dominant Species That Are OBL, FACW, or FAC:0(A)
3 4				Total Number of Dominant Species Across All Strata:4(B)
5. 6.				Percent of Dominant Species That Are OBL, FACW, or FAC:0.0% (A/B)
7				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15)				OBL species 0 x 1 = 0
1				FACW species 0 x 2 = 0
2.				FAC species 0 x 3 = 0
3.				FACU species 45 x 4 = 180
4.				UPL species 10 x 5 = 50
5.				Column Totals: 55 (A) 230 (B)
6.				Prevalence Index = B/A = 4.18
7.				Hydrophytic Vegetation Indicators:
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 15)				2 - Dominance Test is >50%
1. Poa sp.	20	Yes	FACU	3 - Prevalence Index is ≤3.0 ¹
2. Trifolium repens	10	Yes	FACU	4 - Morphological Adaptations ¹ (Provide supporting
3. Solidago sp.	10	Yes	FACU	data in Remarks or on a separate sheet)
4. Vicia cracca	10	Yes	UPL	Problematic Hydrophytic Vegetation ¹ (Explain)
5. Taraxacum officinale	5	No	FACU	¹ Indicators of hydric soil and wetland hydrology must
6				be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8 9				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
10 11				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
12	55	=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size:30) 1.				Woody vines – All woody vines greater than 3.28 ft in height.
2.				
3.				Hydrophytic Vegetation
4.				Present? Yes No X
		=Total Cover		
Remarks: (Include photo numbers here or on a sepa	rate sheet.)			

Profile Desc	ription: (Describe	to the de	pth needed to docu	ument t	he indica	ator or co	onfirm the absence of	indicators.)
Depth	Matrix		Redo	x Featur	res			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-16	10YR 4/2	100					Loamy/Clayey	Silt Clay Loam
¹ Type: C=Co	ncentration, D=Depl	etion, RM	I=Reduced Matrix, N	/IS=Mas	ked Sand	d Grains.	² Location: PL	=Pore Lining, M=Matrix.
Hydric Soil I		,	,					r Problematic Hydric Soils ³ :
Histosol			Polyvalue Belo	w Surfa	ce (S8) (I	LRR R,	2 cm Muc	k (A10) (LRR K, L, MLRA 149B)
	ipedon (A2)		MLRA 149B		. , .			airie Redox (A16) (LRR K, L, R)
Black His			Thin Dark Surf	ace (S9) (LRR R	, MLRA 1		ky Peat or Peat (S3) (LRR K, L, R)
Hydroger	n Sulfide (A4)		High Chroma S	Sands (S	611) (LRF	R K, L)	Polyvalue	Below Surface (S8) (LRR K, L)
Stratified	Layers (A5)		Loamy Mucky	Mineral	(F1) (LRI	R K, L)	Thin Dark	Surface (S9) (LRR K, L)
Depleted	Below Dark Surface	e (A11)	Loamy Gleyed	Matrix (F2)		Iron-Mang	ganese Masses (F12) (LRR K, L, R)
Thick Da	rk Surface (A12)		Depleted Matri	x (F3)			Piedmont	Floodplain Soils (F19) (MLRA 149E
Sandy M	ucky Mineral (S1)		Redox Dark Su	urface (F	6)		Mesic Spo	odic (TA6) (MLRA 144A, 145, 149B
Sandy G	leyed Matrix (S4)		Depleted Dark	Surface	e (F7)		Red Pare	nt Material (F21)
Sandy R	edox (S5)		Redox Depress	sions (F	8)		Very Shal	llow Dark Surface (F22)
Stripped	Matrix (S6)		Marl (F10) (LR	R K, L)			Other (Ex	plain in Remarks)
Dark Sur	face (S7)							
³ Indicators of	hydrophytic vegetat	ion and w	/etland hydrology mu	ust be pi	resent, ur	nless dist	urbed or problematic.	
Restrictive L	ayer (if observed):							
Type:	N/A	۱						
Depth (in	ches):						Hydric Soil Present	t? Yes No X
Remarks:							<u> </u>	
	n is revised from No	rthcentra	l and Northeast Red	ional Su	pplemen	t Version	2.0 to include the NRC	S Field Indicators of Hydric Soils,
	2015 Errata. (http://w							

Applicant/Owner: Avantgrid			(City/County: Marshv	ille, Montgomery	Sam	pling Date:	8/1/18
	<u>i</u>				State:	NY Sa	mpling Poin	t: <u>1wet@wetSS</u>
Investigator(s): SZ, SB				Section, To	wnship, Range: 1	own of Minde	ən	
Landform (hillside, terrace, etc.):	: Alluvial fan		Local re	lief (concave, conve	x, none): <u>Conca</u>	/e	Slope	e %: 0
Subregion (LRR or MLRA): LR	R R, MLRA 144A	Lat:	42.908849	Long:	-74.651043		Datum:	NAD 83
Soil Map Unit Name: Ilion silt lo	oam				NWI classif	ication: <u>PEM</u>	Λ	
Are climatic / hydrologic conditio	ns on the site typic	al for f	this time of year?	Yes X	No	(If no, explain	n in Remark	s.)
Are Vegetation, Soil	, or Hydrology		significantly disturbe	ed? Are "Norm	nal Circumstance	es" present?	Yes X	No
Are Vegetation, Soil	, or Hydrology		naturally problemati	c? (If needed	l, explain any ans	swers in Rem	arks.)	
SUMMARY OF FINDING	S – Attach site	map	showing samp	ling point locat	ions, transec	ts, import:	ant featu	res, etc.
	Voo	х	No	Is the Sampled A	rea			
Hydrophytic Vegetation Presen	ites ites							
Hydrophytic Vegetation Presen Hydric Soil Present?	Yes	Х	No	within a Wetland	? Yes	X No		
, , , ,	-		No No	within a Wetland? If yes, optional We		<u> </u>		
Hydric Soil Present?	Yes Yes	Х	No			<u>X</u> No		
Hydric Soil Present? Wetland Hydrology Present?	Yes Yes	Х	No			<u>X</u> No		
Hydric Soil Present? Wetland Hydrology Present?	Yes Yes	Х	No			<u>X</u> No		
Hydric Soil Present? Wetland Hydrology Present?	Yes Yes	Х	No			<u>X</u> No	<u> </u>	
Hydrophytic Vegetation Presen	105							

Wetland Hydrology Indicators:		Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is require	ed; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1)	Water-Stained Leaves (B9)	X 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)	Oxidized Rhizospheres on Living Ro	oots (C3) Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3)	Presence of Reduced Iron (C4)	Stunted or Stressed Plants (D1)
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soils	(C6) X Geomorphic Position (D2)
Iron Deposits (B5)	Shallow Aquitard (D3)	
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks)	Microtopographic Relief (D4)
Sparsely Vegetated Concave Surface (B	8)	X FAC-Neutral Test (D5)
Field Observations:		
Surface Water Present? Yes	No X Depth (inches):	
Water Table Present? Yes	No X Depth (inches):	
Saturation Present? Yes X	No Depth (inches): 0	Wetland Hydrology Present? Yes X No
		Wetland Hydrology Present? Yes X No
Saturation Present? Yes X	No Depth (inches): 0	
Saturation Present? Yes X (includes capillary fringe)	No Depth (inches): 0	
Saturation Present? Yes X (includes capillary fringe)	No Depth (inches): 0	
Saturation Present? Yes X (includes capillary fringe)	No Depth (inches): 0	
Saturation Present? Yes X (includes capillary fringe)	No Depth (inches): 0	
Saturation Present? Yes X (includes capillary fringe)	No Depth (inches): 0	
Saturation Present? Yes X (includes capillary fringe)	No Depth (inches): 0	
Saturation Present? Yes X (includes capillary fringe)	No Depth (inches): 0	
Saturation Present? Yes X (includes capillary fringe)	No Depth (inches): 0	
Saturation Present? Yes X (includes capillary fringe)	No Depth (inches): 0	
Saturation Present? Yes X (includes capillary fringe)	No Depth (inches): 0	
Saturation Present? Yes X (includes capillary fringe)	No Depth (inches): 0	

Sampling Point: 1wet@wetSS

Tree Stratum (Distaire) 20)	Absolute	Dominant	Indicator	Deminence Test worksheet		
<u>Tree Stratum</u> (Plot size: <u>30</u>)	% Cover	Species?	Status	Dominance Test worksheet:		
1. Populus tremuloides 2.	20	Yes	FACU	Number of Dominant Species That Are OBL, FACW, or FAC:	5	(A)
3				Total Number of Dominant Species Across All Strata:	6	(B)
5				Percent of Dominant Species That Are OBL, FACW, or FAC:	83.3%	(A/B)
7				Prevalence Index worksheet:	001070	(**=)
1.	20	=Total Cover			Aultiply by:	
Sapling/Shrub Stratum (Plot size: 15)			OBL species 90 x 1 =		
	_, 	Yes	OBL	FACW species 50 $x = 2$		
2 2	_	165		FAC species $60 \times 3 =$		
				·		
3.		·		FACU species 20 x 4 =		
4		·		UPL species 0 x 5 =		
5		·		Column Totals: 220 (A)	450	(B)
6		·		Prevalence Index = B/A =	2.05	_
7		·		Hydrophytic Vegetation Indicators	5:	
	10	=Total Cover		1 - Rapid Test for Hydrophytic V	egetation/	
Herb Stratum (Plot size: 5)				X 2 - Dominance Test is >50%		
1. Typha angustifolia	35	Yes	OBL	<u>X</u> 3 - Prevalence Index is $\leq 3.0^1$		
2. Onoclea sensibilis	30	Yes	FACW	4 - Morphological Adaptations ¹	•	porting
3. Equisetum sp.	30	Yes	FAC	data in Remarks or on a sepa	arate sheet)	
4. Asclepias incarnata	25	No	OBL	Problematic Hydrophytic Vegeta	ation ¹ (Expla	in)
5. Impatiens capensis	20	No	FACW	¹ Indicators of hydric soil and wetland	t hydroloav r	nust
6. <u>Solidago sp.</u>	30	Yes	FAC	be present, unless disturbed or prob		
7. <u>Carex lurida</u>	15	No	OBL	Definitions of Vegetation Strata:		
8. Scirpus atrovirens	5	No	OBL	Tree – Woody plants 3 in. (7.6 cm)	or more in	
9.				diameter at breast height (DBH), reg		eight.
10.				Sapling/shrub – Woody plants less	than 2 in D	
11.				and greater than or equal to 3.28 ft	(1 m) tall.	юп
12.						
	190	=Total Cover		Herb – All herbaceous (non-woody) of size, and woody plants less than		raiess
Woody Vine Stratum (Plot size: 30)			Woody vines – All woody vines gre	ater than 3.2	28 ft in
	_	·		height.		
1						
2.		·		Hydrophytic		
23				Vegetation		
2.		=Total Cover			0	

Profile Desc	ription: (Describe	to the de	pth needed to docu	ument t	he indica	tor or co	onfirm the absence of ir	ndicators.)
Depth	Matrix		Redo	x Featur	es			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0.16	10VD 2/1	100					Musky Dest	
0-16	10YR 2/1	100					Mucky Peat	
	ncentration, D=Depl	etion RM	-Reduced Matrix		ked Sand	Grains	² Location: PL -	Pore Lining, M=Matrix.
Hydric Soil I				10-11/103	Keu Gano	i Oranis.		Problematic Hydric Soils ³ :
X Histosol			Polyvalue Belo	w Surfa	ce (S8) (I			(A10) (LRR K, L, MLRA 149B)
	ipedon (A2)		MLRA 149B		Ce (00) (I	,		rie Redox (A16) (LRR K, L, R)
			Thin Dark Surf	,				
Black His								y Peat or Peat (S3) (LRR K, L, R)
	n Sulfide (A4)		High Chroma S	-				Below Surface (S8) (LRR K, L)
	Layers (A5)	()	Loamy Mucky			Κ Ν, L)		Surface (S9) (LRR K, L)
	Below Dark Surface	e (A11)	Loamy Gleyed		F2)			anese Masses (F12) (LRR K, L, R)
	rk Surface (A12)		Depleted Matri					loodplain Soils (F19) (MLRA 149B)
	ucky Mineral (S1)		Redox Dark Su					dic (TA6) (MLRA 144A, 145, 149B)
	leyed Matrix (S4)		Depleted Dark					t Material (F21)
Sandy R	edox (S5)		Redox Depress	sions (F	8)		Very Shallo	ow Dark Surface (F22)
Stripped	Matrix (S6)		Marl (F10) (LR	R K, L)			Other (Expl	lain in Remarks)
Dark Sur	face (S7)							
³ Indicators of	hydrophytic vegetat	ion and w	/etland hydrology mu	ust be pr	resent, ur	nless dist	urbed or problematic.	
Restrictive L	ayer (if observed):							
Туре:	N/A	4						
Depth (in	iches):						Hydric Soil Present?	Yes <u>X</u> No
Remarks:							<u>ļ</u>	
	n is revised from No	rthcentral	and Northeast Reg	ional Su	pplemen	t Version	2.0 to include the NRCS	Field Indicators of Hydric Soils,
Version 7.0, 2	2015 Errata. (http://w	ww.nrcs.	usda.gov/Internet/FS	SE_DOO	CUMENT	S/nrcs14	2p2_051293.docx)	
1								

Project/Site: Moha	wk Solar		C	City/County: Marshville, Montgomery						
Applicant/Owner:	Avant	grid		State:	NY	Sampling Point: 1Up@wetSS				
Investigator(s): SZ,	SB			Section, Township, Range: Town of Minden						
Landform (hillside, t	errace, et	c.): Flat	Local rel	ief (concave, convex, none): <u>None</u>		Slope %: 0				
Subregion (LRR or I	MLRA):	LRR R, MLRA 144A	Lat: 42.907977	Long: <u>-74.652156</u>		Datum: NAD 83				
Soil Map Unit Name	: Ilion s	ilt Ioam		NWI classi	fication:	N/A				
Are climatic / hydrol	ogic conc	litions on the site typic	al for this time of year?	Yes X No	(lf no, e	explain in Remarks.)				
Are Vegetation	, Soil	, or Hydrology	significantly disturbe	d? Are "Normal Circumstance	es" prese	ent? Yes X No				
Are Vegetation	, Soil	, or Hydrology	naturally problematic	? (If needed, explain any an	swers in	Remarks.)				
SUMMARY OF	FINDIN	GS – Attach site	map showing sampl	ing point locations, transe	cts, im	portant features, etc.				

Hydrophytic Vegetation Present?	Yes	No X	Is the Sampled Area					
Hydric Soil Present?	Yes	No X	within a Wetland? Yes No X					
Wetland Hydrology Present?	Yes	No X	If yes, optional Wetland Site ID:					
Remarks: (Explain alternative procedures here or in a separate report.)								

Wetland Hydrology Indicators:		Secondary Indicators (minimum of two required)					
Primary Indicators (minimum of one	is 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)	Dry-Season Water Table (C2)						
Water Marks (B1)	Crayfish Burrows (C8)						
Sediment Deposits (B2)	Oxidized Rhizospheres on Living R	Roots (C3) Saturation Visible on Aerial Imagery (C9)					
Drift Deposits (B3)	Presence of Reduced Iron (C4)	Stunted or Stressed Plants (D1)					
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soil	ils (C6) Geomorphic Position (D2)					
Iron Deposits (B5)	Thin Muck Surface (C7)	Shallow Aquitard (D3)					
Inundation Visible on Aerial Ima	agery (B7) Other (Explain in Remarks)	Microtopographic Relief (D4)					
Sparsely Vegetated Concave S	urface (B8)	FAC-Neutral Test (D5)					
Field Observations:							
Surface Water Present? Yes	No X Depth (inches):						
Water Table Present? Yes	No X Depth (inches):						
Saturation Present? Yes	No X Depth (inches):	Wetland Hydrology Present? Yes No X					
(includes capillary fringe)							
Describe Recorded Data (stream ga	auge, monitoring well, aerial photos, previous inspe	pections), if available:					
Remarks:							

Sampling Point: <u>1Up@wetSS</u>

<u>Tree Stratum</u> (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1.		<u> </u>		Number of Dominant Species
2.				That Are OBL, FACW, or FAC:(A)
3. 4.				Total Number of Dominant Species Across All Strata: 5 (B)
5 6				Percent of Dominant Species That Are OBL, FACW, or FAC:20.0% (A/B)
7.				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15)				OBL species 0 x 1 = 0
1. Lonicera morrowii	20	Yes	FACU	FACW species 0 x 2 = 0
2				FAC species 30 x 3 = 90
3				FACU species 60 x 4 = 240
4				UPL species 85 x 5 = 425
5				Column Totals: 175 (A) 755 (B)
6				Prevalence Index = B/A = 4.31
7				Hydrophytic Vegetation Indicators:
	20	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5)				2 - Dominance Test is >50%
1. Solidago sp.	30	Yes	FAC	3 - Prevalence Index is ≤3.0 ¹
2. Phleum pratense	30	Yes	FACU	4 - Morphological Adaptations ¹ (Provide supporting
3. Cirsium vulgare	10	No	FACU	data in Remarks or on a separate sheet)
4. Pastinaca sativa	15	No	UPL	Problematic Hydrophytic Vegetation ¹ (Explain)
5. Daucus carota	10	No	UPL	¹ Indicators of hydric soil and wetland hydrology must
6. Zea mays	30	Yes	UPL	be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8				Tree – Woody plants 3 in. (7.6 cm) or more in
9		. <u> </u>		diameter at breast height (DBH), regardless of height.
10				Sapling/shrub – Woody plants less than 3 in. DBH
11				and greater than or equal to 3.28 ft (1 m) tall.
12				Herb – All herbaceous (non-woody) plants, regardless
	125	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30)				Woody vines – All woody vines greater than 3.28 ft in
1. Vitis vinifera	30	Yes	UPL	height.
2				Li dranku tin
3				Hydrophytic Vegetation
4				Present? Yes No X
	30	=Total Cover		
Remarks: (Include photo numbers here or on a sepa	rate sheet.)			

Profile Des	cription: (Describe	to the de	-			ator or co	onfirm the absence of indi	cators.)		
Depth	Matrix			x Featu						
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Rema	rks	
0-16	10YR 4/2	100					Loamy/Clayey			
			·							
					·					
					·					
			·							
					·		·			
			·							
					·					
					·					
¹ Type: C=C	oncentration, D=Dep	letion, RN	I=Reduced Matrix, N	∕IS=Mas	ked Sand	d Grains.	² Location: PL=Po	re Lining, M=Ma	atrix.	
Hydric Soil	Indicators:						Indicators for Pro	blematic Hydr	ic Soils ³	:
Histosol	(A1)		Polyvalue Belo	ow Surfa	ice (S8) (l	LRR R,	2 cm Muck (A	10) (LRR K, L,	MLRA 14	19B)
Histic E	pipedon (A2)		MLRA 149B	5)			Coast Prairie	Redox (A16) (L	RR K, L,	R)
Black H	istic (A3)		Thin Dark Surf	ace (S9) (LRR R	, MLRA 1	1 49B) 5 cm Mucky F	eat or Peat (S3) (LRR K	, L, R)
Hydroge	en Sulfide (A4)		High Chroma S	Sands (\$	S11) (LRF	R K, L)	Polyvalue Bel	ow Surface (S8) (LRR K ,	, L)
Stratifie	d Layers (A5)		Loamy Mucky	Mineral	(F1) (LR	R K, L)	Thin Dark Sur	face (S9) (LRR	K, L)	
Deplete	d Below Dark Surface	e (A11)	Loamy Gleyed	Matrix ((F2)		Iron-Mangane	se Masses (F1	2) (LRR M	K, L, R)
Thick Da	ark Surface (A12)		Depleted Matri	x (F3)			Piedmont Floo	odplain Soils (F	19) (MLR	A 149B)
Sandy N	/lucky Mineral (S1)		Redox Dark Su	urface (F	=6)		Mesic Spodic	(TA6) (MLRA 1	44A, 145	, 149B)
Sandy C	Gleyed Matrix (S4)		Depleted Dark	Surface	e (F7)		Red Parent M	aterial (F21)		
Sandy F	Redox (S5)		Redox Depres	sions (F	8)		Very Shallow	Dark Surface (F	22)	
Stripped	l Matrix (S6)		Marl (F10) (LR	R K, L)			Other (Explain	ı in Remarks)		
Dark Su	rface (S7)			-						
³ Indicators o	f hydrophytic vegetat	ion and w	vetland hydrology mi	ust be p	resent, ur	nless dist	urbed or problematic.			
	Layer (if observed):						·			
Type:	N//	4								
Depth (i	nches).						Hydric Soil Present?	Yes	No	x
								100		<u></u>
Remarks:										
	rm is revised from No 2015 Errata. (http://v						2.0 to include the NRCS Fig	eld Indicators of	Hydric S	iolls,
	2015 Enala. (http://v	ww.mcs.	usua.yov/internet/F			3/11/514	2p2_031293.d00x)			
1										

Project/Site: Mohaw	/k Solar				City/County: Montgo	omery County		Sampling Date:	5/24/20	018
Applicant/Owner:	Mohawk Sol	lar LLC				State:	NY	Sampling Poir	nt: 1Wet@	@WetT
Investigator(s): John	Wojicikiewicz	z, Shelby Zemken			Section, To	wnship, Range:]	Town of (Canajoharie and	Minden	
Landform (hillside, ter	race, etc.):	Gentle Sloping		Local r	elief (concave, conve	ex, none): <u>Conca</u>	ve	Slop	be %: 1	1-2
Subregion (LRR or MI	LRA): LRR	L I	Lat:	42.881157	Long:	-74.611019		Datum:	WGS8	4
Soil Map Unit Name:	Rhinebeck s		NWI classif	ication:	PEM					
Are climatic / hydrolog	gic conditions	on the site typical	l for tl	his time of year?	Yes <u>X</u>	No	(If no, e	explain in Remarl	ks.)	
Are Vegetation	, Soil	, or Hydrology		significantly disturb	ed? Are "Norr	nal Circumstance	s" prese	ent? Yes X	No	
Are Vegetation	, Soil	, or Hydrology	i	naturally problemat	tic? (If neede	d, explain any an	swers in	Remarks.)		
SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.										
Hydrophytic Vegetati	ion Present?	Yes	х	No	Is the Sampled A	rea				
Hydric Soil Present?	·	Yes	Х	No	within a Wetland	? Yes	х	No		
Wetland Hydrology F	Present?	Yes	Х	No	If yes, optional We	etland Site ID:				

Remarks: (Explain alternative procedures here or in a separate report.)

Wetland Hydrology Indicat	ors:			Secondary Indicators (minimum of two required)					
Primary Indicators (minimum	n of one	is rec	quired; check	all that apply)		Surface Soil Cracks (B6)			
X Surface Water (A1)			Wat	ter-Stained Leaves (B9)		Drainage Patterns (B10)			
X High Water Table (A2)			X Aqu	iatic Fauna (B13)		Moss Trim Lines (B16)			
X Saturation (A3)			Dry-Season Water Table (C2)						
Water Marks (B1)			Hyd	Irogen Sulfide Odor (C1)		Crayfish Burrows (C8)			
Sediment Deposits (B2)			Oxio	dized Rhizospheres on Living	Roots (C3)	Saturation Visible on Aerial Imagery (C9)			
Drift Deposits (B3)			Pres	sence of Reduced Iron (C4)		Stunted or Stressed Plants (D1)			
Algal Mat or Crust (B4)			Rec	cent Iron Reduction in Tilled So	oils (C6)	Geomorphic Position (D2)			
Iron Deposits (B5)			Thir	n Muck Surface (C7)		Shallow Aquitard (D3)			
Inundation Visible on Ae	erial Ima	agery ((B7) Oth	er (Explain in Remarks)		Microtopographic Relief (D4)			
Sparsely Vegetated Cor	ncave S	urface	e (B8)			X FAC-Neutral Test (D5)			
Field Observations:						_			
Surface Water Present?	Yes	х	No	Depth (inches): 1					
Water Table Present?	Yes	Х	No	Depth (inches): 0	•				
		Х	No	Denth (inches): 0	Watlan	d Ukudualaan Duaaant2 Vaa V Na			
Saturation Present?	Yes	~	INU	vvetiar	nd Hydrology Present? Yes X No				
Saturation Present? (includes capillary fringe)	Yes_		NO	Depth (inches):0	vvetlar	ia Hydrology Present? Yes 🗡 No			
(includes capillary fringe)	_			ell, aerial photos, previous ins					
(includes capillary fringe)	_					· · · · <u> </u>			
(includes capillary fringe)	_								
(includes capillary fringe)	_					· · · · <u> </u>			
(includes capillary fringe) Describe Recorded Data (str	_								
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(includes capillary fringe) Describe Recorded Data (str	_								

Sampling Point: 1Wet@WetT

Trac Stratum (Diat aiza) 20	Absolute	Dominant	Indicator	Deminence Test werkehest
<u>Tree Stratum</u> (Plot size: <u>30</u>) 1. <i>Ulmus americana</i>	% Cover 5	Species? Yes	Status FACW	Dominance Test worksheet:
2.		165	FACW	Number of Dominant Species That Are OBL, FACW, or FAC: 7 (A)
3.		·		
4.				Total Number of Dominant Species Across All Strata: 7 (B)
5 6				Percent of Dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B)
7.				Prevalence Index worksheet:
	5	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15)				OBL species 35 x 1 = 35
1. Cornus amomum	5	Yes	FACW	FACW species 80 x 2 = 160
2. Acer rubrum	5	Yes	FAC	FAC species 5 x 3 = 15
3. Salix sp.	5	Yes	FACW	FACU species 0 x 4 = 0
4.				UPL species 0 x 5 = 0
5.				Column Totals: 120 (A) 210 (B)
6.				Prevalence Index = $B/A = 1.75$
7.				Hydrophytic Vegetation Indicators:
	15	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5)				X 2 - Dominance Test is >50%
1. Phalaris arundinacea	40	Yes	FACW	X 3 - Prevalence Index is $\leq 3.0^1$
2. Carex vulpinoidea	25	Yes	OBL	4 - Morphological Adaptations ¹ (Provide supporting
3. Carex bromoides	25	Yes	FACW	data in Remarks or on a separate sheet)
4. Juncus effusus	10	No	OBL	Problematic Hydrophytic Vegetation ¹ (Explain)
5.	10	110		
6.				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7.				Definitions of Vegetation Strata:
•				Deminions of Vegetation Strata.
8 9.				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
10.				Sapling/shrub – Woody plants less than 3 in. DBH
11				and greater than or equal to 3.28 ft (1 m) tall.
12				Herb – All herbaceous (non-woody) plants, regardless
	100	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30)				Woody vines – All woody vines greater than 3.28 ft in
1				height.
2				
3				Hydrophytic Vegetation
4				Present? Yes X No
		=Total Cover		
Remarks: (Include photo numbers here or on a sep	arate sheet.)			

SOIL

Profile Desc	ription: (Describe	to the de	pth needed to docu	iment th	he indica	tor or co	onfirm the absence o	of indicators.)		
Depth	Matrix		Redox	Featur	es					
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks		
0-8	10YR 6/1	85	7.5YR 5/8	15	С	Μ	Loamy/Clayey	Prominent redox concentrations		
8-16	10YR 5/1	70	7.5YR 5/8	30	С	Μ	Loamy/Clayey	Clay Loam		
¹ Type: C=Co	oncentration, D=Depl	etion, RN	/Reduced Matrix, M	IS=Masl	ked Sand	Grains.	² Location: F	PL=Pore Lining, M=Matrix.		
Hydric Soil I								or Problematic Hydric Soils ³ :		
Histosol			Polyvalue Belov	w Surfa	ce (S8) (I	LRR R,	2 cm Mu	uck (A10) (LRR K, L, MLRA 149B)		
Histic Ep	oipedon (A2)		MLRA 149B))			Coast P	rairie Redox (A16) (LRR K, L, R)		
Black Hi	stic (A3)		Thin Dark Surfa	ace (S9)) (LRR R	, MLRA 1	149B) 5 cm Mu	ucky Peat or Peat (S3) (LRR K, L, R)		
Hydroge	n Sulfide (A4)		High Chroma S	ands (S	611) (LRF	R K, L)	Polyvalu	ie Below Surface (S8) (LRR K, L)		
Stratified	Layers (A5)		Loamy Mucky	Mineral ((F1) (LRI	R K, L)	Thin Da	rk Surface (S9) (LRR K, L)		
	Below Dark Surface	e (A11)	Loamy Gleyed			. ,		nganese Masses (F12) (LRR K, L, R)		
	ark Surface (A12)	()	X Depleted Matrix							
	lucky Mineral (S1)		Redox Dark Su		6)		Piedmont Floodplain Soils (F19) (MLRA 149B)			
				•	,		Mesic Spodic (TA6) (MLRA 144A, 145, 149B)			
	ileyed Matrix (S4)		Depleted Dark		• •		Red Parent Material (F21)			
	edox (S5)		Redox Depress		8)		Very Shallow Dark Surface (F22)			
	Matrix (S6)		Marl (F10) (LR	R K, L)			Other (Explain in Remarks)			
Dark Sur	face (S7)									
³ Indicators of	f hydrophytic vegetat	ion and v	vetland hydrology mu	ist be pr	esent, ur	nless dist	urbed or problematic.			
	_ayer (if observed):									
Type:	N/A	\								
Depth (ir	1ches):						Hydric Soil Prese	nt? Yes <u>X</u> No		
Remarks:										
								CS Field Indicators of Hydric Soils,		
version 7.0,	2015 Errata. (http://w	ww.nrcs	.usda.gov/internet/FS	SE_DOC	UMENT	S/nrcs14	2p2_051293.docx)			

Project/Site: Mohav	vk Solar		(City/County: Montgor	mery County		Sampling Date:	5/24/2018
Applicant/Owner:	Mohawk Solar	LLC			State:	NY	Sampling Point:	1Up@WetT
Investigator(s): John	Wojicikiewicz,	Shelby Zemken		Section, Tow	/nship, Range: [_]	Town of	Canajoharie and N	Minden
Landform (hillside, te	rrace, etc.):	Gentle sloping	Local re	lief (concave, conve	k, none): <u>Conca</u>	ve	Slope	%: <u>1-2</u>
Subregion (LRR or M	LRA): <u>LRR L</u>	Lat	42.880853	Long:	-74.611216		Datum:	WGS84
Soil Map Unit Name:	Rhinebeck silt	y clay loam, 0 to 3	percent slopes		NWI classif	fication:	N/A	
Are climatic / hydrolog	gic conditions or	n the site typical fo	r this time of year?	Yes X	No	(lf no, e	explain in Remarks	s.)
Are Vegetation	, Soil,	or Hydrology	significantly disturbe	d? Are "Norm	al Circumstance	es" prese	ent? Yes X	No
Are Vegetation	, Soil,	or Hydrology	naturally problemation	c? (If needed	, explain any an	swers in	Remarks.)	
SUMMARY OF F	INDINGS –	Attach site ma	p showing samp	ling point locati	ons, transed	cts, im	portant featur	res, etc.

Hydrophytic Vegetation Present?	Yes X	No	Is the Sampled Area within a Wetland? Yes No X If yes, optional Wetland Site ID:
Hydric Soil Present?	Yes	No X	
Wetland Hydrology Present?	Yes	No X	
Remarks: (Explain alternative procedure	s here or in a s	eparate report.)	

Wetland Hydrology Indicators:	-	Secondary Indicators (min	<u>iimum of two required)</u>		
Primary Indicators (minimum of one is requi		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)	Oxidized Rhizospheres on Living Ro	ots (C3)	Saturation Visible on A	Aerial Imagery (C9)	
Drift Deposits (B3)	Presence of Reduced Iron (C4)	-	Stunted or Stressed P	Plants (D1)	
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soils	(C6)	Geomorphic Position	(D2)	
Iron Deposits (B5)	Thin Muck Surface (C7)	-	Shallow Aquitard (D3)	1	
Inundation Visible on Aerial Imagery (B	7) Other (Explain in Remarks)	-	Microtopographic Reli	ef (D4)	
Sparsely Vegetated Concave Surface (I	38)	-	FAC-Neutral Test (D5)	
Field Observations:					
Surface Water Present? Yes	No X Depth (inches):				
Water Table Present? Yes	No X Depth (inches):				
Saturation Present? Yes	No X Depth (inches):	Wetland	Hydrology Present?	Yes No X	
(includes capillary fringe)					
Describe Recorded Data (stream gauge, mo	onitoring well, aerial photos, previous inspec	ctions), if av	vailable:		
Remarks:					

Sampling Point: 1Up@WetT

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. 2.				Number of Dominant Species That Are OBL, FACW, or FAC:3(A)
3 4				Total Number of Dominant Species Across All Strata: <u>3</u> (B)
5 6				Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100.0%</u> (A/B)
7				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 30)				OBL species x 1 =
1. Cornus racemosa	30	Yes	FAC	FACW species 0 x 2 = 0
2. Viburnum lentago	15	Yes	FAC	FAC species x 3 =345
3. Viburnum dentatum	10	No	FAC	FACU species 10 x 4 = 40
4. Acer rubrum	5	No	FAC	UPL species <u>5</u> x 5 = <u>25</u>
5				Column Totals: 130 (A) 410 (B)
6				Prevalence Index = B/A =3.15
7				Hydrophytic Vegetation Indicators:
	60	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 30)				X 2 - Dominance Test is >50%
1. Solidago sp.	40	Yes	FAC	3 - Prevalence Index is ≤3.0 ¹
2. Carex sp.	10	No	FAC	4 - Morphological Adaptations ¹ (Provide supporting
3. Rubus sp.	10	No	FACU	data in Remarks or on a separate sheet)
4. Gallium sp.	5	No	FAC	Problematic Hydrophytic Vegetation ¹ (Explain)
5. Vicia cracca	5	No	UPL	¹ Indicators of hydric soil and wetland hydrology must
6				be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8 9				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
10				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
11. 12.				Herb – All herbaceous (non-woody) plants, regardless
	70	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size:30) 1.				Woody vines – All woody vines greater than 3.28 ft in height.
2				
3				Hydrophytic Vegetation
4.				Present? Yes X No
		=Total Cover		
Remarks: (Include photo numbers here or on a sepa	arate sheet.)			1
	,			

Profile Desc	ription: (Describe	to the de	pth needed to doc	ument tl	he indica	ator or co	onfirm the absence of ind	cators.)	
Depth	Matrix			x Featur					
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks	
0-6	10YR 5/3	100					Loamy/Clayey	Silt Clay Loam	
6-16	10YR 5/3	85	7.5YR 5/6	15	С	M	Loamy/Clayey	Silt Clay Loam	
				_	_				
¹ Type: C=Co	oncentration, D=Dep	letion, RM	I=Reduced Matrix, N	/IS=Mas	ked Sand	d Grains.	² Location: PL=Pc	re Lining, M=Matrix.	
Black His Hydrogel Stratified Depleted Thick Da Sandy M	(A1) iipedon (A2) stic (A3) n Sulfide (A4) I Layers (A5) I Below Dark Surface rk Surface (A12) Iucky Mineral (S1)	e (A11)	Polyvalue Belo MLRA 149B Thin Dark Surf High Chroma S Loamy Mucky Loamy Gleyed Depleted Matri Redox Dark Su	a) Face (S9) Sands (S Mineral Matrix (Matrix (F3) urface (F) (LRR R 611) (LRI (F1) (LRI F2) 6)	, MLRA 1 R K, L)	2 cm Muck (A Coast Prairie 5 cm Mucky F Polyvalue Be Thin Dark Su Iron-Mangane Piedmont Flo Mesic Spodic	blematic Hydric Soils ³ 10) (LRR K, L, MLRA 14 Redox (A16) (LRR K, L, Peat or Peat (S3) (LRR K ow Surface (S8) (LRR K face (S9) (LRR K, L) se Masses (F12) (LRR H odplain Soils (F19) (MLR (TA6) (MLRA 144A, 145	49B) R) K, L, R) K, L, R) K, L, R) RA 149B)
Sandy R Stripped	leyed Matrix (S4) edox (S5) Matrix (S6) face (S7)		Depleted Dark Redox Depress Marl (F10) (LR	sions (Fa			Red Parent M Very Shallow Other (Explai	Dark Surface (F22)	
	ayer (if observed):		etiand hydrology mi	ust be pr	esent, ur	liess dist	urbed or problematic.		
Type:	N//								
Depth (ir							Hydric Soil Present?	Yes No	х
Remarks:									
	m is revised from No 2015 Errata. (http://v						2.0 to include the NRCS Fi 2p2_051293.docx)	eld Indicators of Hydric S	Soils,

Project/Site: Mohawk Solar		City/Co	unty: Marshville, Montgomery	/ S	ampling Date: 8/1/18
Applicant/Owner: Avantgrid			State:	NY	Sampling Point: <u>1wet@wetTT</u>
Investigator(s): SZ, SB			Section, Township, Range:	Town of Ca	anajoharie
Landform (hillside, terrace, etc.):	Channel (active)	Local relief (co	ncave, convex, none): <u>concav</u>	ve	Slope %: 2-5
Subregion (LRR or MLRA): LRR	R, MLRA 144A Lat:	42.893975	Long: -74.634646		Datum: NAD 83
Soil Map Unit Name: Appleton sil	it loam		NWI classi	fication: F	PEM
Are climatic / hydrologic conditions	s on the site typical for t	his time of year?	Yes X No	(If no, exp	plain in Remarks.)
Are Vegetation, Soil	, or Hydrology	significantly disturbed?	Are "Normal Circumstance	es" presen	t? Yes X No
Are Vegetation, Soil	, or Hydrology	naturally problematic?	(If needed, explain any an	swers in R	(emarks.)
SUMMARY OF FINDINGS	– Attach site map	showing sampling p	ooint locations, transe	cts, imp	ortant features, etc.
Hydrophytic Vegetation Present?	Yes X	No Is the	e Sampled Area		
Hydric Soil Present?	Yes X	No withi	n a Wetland? Yes	<u>x</u>	No
Wetland Hydrology Present?	Yes X	No If yes	, optional Wetland Site ID:		
Remarks: (Explain alternative pro	ocedures here or in a se	eparate report.)			

Wetland Hydrology Indicators:			Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is require	Surface Soil Cracks (B6)		
Surface Water (A1)	Surface Water (A1) Water-Stained Leaves (B9)		
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)	X Oxidized Rhizospheres on Living Ro	oots (C3)	Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3)	Presence of Reduced Iron (C4)		Stunted or Stressed Plants (D1)
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soils	s (C6)	Geomorphic Position (D2)
Iron Deposits (B5)	Thin Muck Surface (C7)		Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7)	Other (Explain in Remarks)		Microtopographic Relief (D4)
Sparsely Vegetated Concave Surface (B	8)		X FAC-Neutral Test (D5)
Field Observations:			
Surface Water Present? Yes	No X Depth (inches):		
Water Table Present? Yes	No X Depth (inches):		
Saturation Present? Yes	No X Depth (inches):	Wetland	d Hydrology Present? Yes X No
Saturation Present? Yes (includes capillary fringe)	No X Depth (inches):	Wetland	d Hydrology Present? Yes X No
(includes capillary fringe)			
(includes capillary fringe)			
(includes capillary fringe) Describe Recorded Data (stream gauge, mor			
(includes capillary fringe) Describe Recorded Data (stream gauge, mor			
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(includes capillary fringe) Describe Recorded Data (stream gauge, mor			
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(includes capillary fringe) Describe Recorded Data (stream gauge, mor			
(includes capillary fringe) Describe Recorded Data (stream gauge, mor			

Sampling Point: <u>1wet@wetTT</u>

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1.				
2.				Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)
3				Total Number of Dominant
4				Species Across All Strata: 1 (B)
5				Percent of Dominant Species
6				That Are OBL, FACW, or FAC: 100.0% (A/B)
7				Prevalence Index worksheet:
		=Total Cover		Total % Cover of:Multiply by:
Sapling/Shrub Stratum (Plot size: 15)				OBL species <u>5</u> x 1 = <u>5</u>
1				FACW species 95 x 2 = 190
2				FAC species 0 x 3 = 0
3				FACU species <u>5</u> x 4 = <u>20</u>
4				UPL species <u>5</u> x 5 = <u>25</u>
5				Column Totals: 110 (A) 240 (B)
6				Prevalence Index = B/A =2.18
7				Hydrophytic Vegetation Indicators:
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5)				X 2 - Dominance Test is >50%
1. Phalaris arundinacea	90	Yes	FACW	X_3 - Prevalence Index is $\leq 3.0^1$
2. Cirsium arvense	5	No	FACU	4 - Morphological Adaptations ¹ (Provide supporting
3. Vicia cracca	5	No	UPL	data in Remarks or on a separate sheet)
4. Asclepias incarnata	5	No	OBL	Problematic Hydrophytic Vegetation ¹ (Explain)
5. Carex scoparia	5	No	FACW	¹ Indicators of hydric soil and wetland hydrology must
6				be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8				Tree – Woody plants 3 in. (7.6 cm) or more in
9				diameter at breast height (DBH), regardless of height.
10				Sapling/shrub – Woody plants less than 3 in. DBH
11				and greater than or equal to 3.28 ft (1 m) tall.
12				Herb – All herbaceous (non-woody) plants, regardless
	110	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30)				Woody vines – All woody vines greater than 3.28 ft in
1				height.
2				
3				Hydrophytic Vegetation
4				Present? Yes X No
		=Total Cover		
Remarks: (Include photo numbers here or on a sepa	rate sheet.)			•

Profile Description: (Describe to the	depth needed to doc	ument the in	dicator or c	onfirm the absence o	of indicators.)
Depth Matrix	Redo	x Features			
(inches) Color (moist) %	Color (moist)	% Тур	be ¹ Loc ²	Texture	Remarks
0-16 10YR 2/1 92	5YR 3/4	<u>8</u> <u>0</u>	<u>PL</u>	Loamy/Clayey	Prominent redox concentrations
¹ Type: C=Concentration, D=Depletion,	RM=Reduced Matrix. N	//S=Masked S	Gand Grains	² Location: F	PL=Pore Lining, M=Matrix.
Hydric Soil Indicators: Histosol (A1) Histic Epipedon (A2) Black Histic (A3) Hydrogen Sulfide (A4) Stratified Layers (A5) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7)	Polyvalue Belc MLRA 149B Thin Dark Surf High Chroma S Loamy Mucky Depleted Matri X Redox Dark Su Depleted Dark Redox Depress Marl (F10) (LR	ace (S9) (LR Sands (S11) (Mineral (F1) (Matrix (F2) x (F3) urface (F6) Surface (F7) sions (F8)	R R, MLRA (LRR K, L) (LRR K, L)	Indicators f 2 cm Mu Coast P 149B) 5 cm Mu Polyvalu Thin Da Iron-Mai Mesic S Red Pai Very Sh	For Problematic Hydric Soils ³ : uck (A10) (LRR K, L, MLRA 149B) trairie Redox (A16) (LRR K, L, R) ucky Peat or Peat (S3) (LRR K, L, R) ue Below Surface (S8) (LRR K, L) rk Surface (S9) (LRR K, L) nganese Masses (F12) (LRR K, L, R) nt Floodplain Soils (F19) (MLRA 149B) ipodic (TA6) (MLRA 144A, 145, 149B) rent Material (F21) iallow Dark Surface (F22) Explain in Remarks)
³ Indicators of hydrophytic vegetation an Restrictive Layer (if observed): Type:N/A Depth (inches):	d wetland hydrology mi	ust be presen	t, unless dis	turbed or problematic. Hydric Soil Prese	nt? Yes X No
Remarks: This data form is revised from Northcer Version 7.0, 2015 Errata. (http://www.n					CS Field Indicators of Hydric Soils,

Project/Site: Mohaw	/k Solar			City/County: Marshville, Montgome	ery	Sampling Date: 8/1/18
Applicant/Owner:	Avante	grid		State	: NY	Sampling Point: 1Up@wetTT
Investigator(s): SZ, S	SB			Section, Township, Range	: Town c	of Canajoharie
Landform (hillside, ter	rrace, et	tc.): Flat	Local re	elief (concave, convex, none): <u>None</u>	e	Slope %: 0
Subregion (LRR or M	LRA):	LRR R, MLRA 144A	Lat: 42.893973	Long: -74.634788		Datum: NAD 83
Soil Map Unit Name:	Fonda	n mucky silt clay loam		NWI clas	sification	i: N/A
Are climatic / hydrolog	gic conc	litions on the site typica	al for this time of year?	Yes X No	(If no,	explain in Remarks.)
Are Vegetation	, Soil	, or Hydrology	significantly disturb	ed? Are "Normal Circumstar	ices" pre	sent? Yes X No
Are Vegetation	, Soil	, or Hydrology	naturally problemat	ic? (If needed, explain any a	answers	in Remarks.)
SUMMARY OF F	INDIN	IGS – Attach site	map showing samp	oling point locations, trans	ects, ir	nportant features, etc.

Hydrophytic Vegetation Present?	Yes	No X	Is the Sampled Area		
Hydric Soil Present?	Yes	No X	within a Wetland? Yes <u>No X</u>		
Wetland Hydrology Present?	Yes	No X	If yes, optional Wetland Site ID:		
Remarks: (Explain alternative procedures here or in a separate report.)					

Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)	
Primary Indicators (minimum of one is requir	Surface Soil Cracks (B6)	
Surface Water (A1)	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)	Oxidized Rhizospheres on Living Ro	oots (C3) Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3)	Presence of Reduced Iron (C4)	Stunted or Stressed Plants (D1)
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soils	s (C6) Geomorphic Position (D2)
Iron Deposits (B5)	Thin Muck Surface (C7)	Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7	7) Other (Explain in Remarks)	Microtopographic Relief (D4)
Sparsely Vegetated Concave Surface (B	38)	FAC-Neutral Test (D5)
Field Observations:		
Surface Water Present? Yes	No X Depth (inches):	
Water Table Present? Yes	No X Depth (inches):	
Saturation Present? Yes	No X Depth (inches):	Wetland Hydrology Present? Yes No X
(includes capillary fringe)		
Describe Recorded Data (stream gauge, mo	onitoring well, aerial photos, previous inspe	ections), if available:
Remarks:		

Sampling Point: <u>1Up@wetTT</u>

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. 2.				Number of Dominant Species That Are OBL, FACW, or FAC:0 (A)
3 4				Total Number of Dominant Species Across All Strata: <u>3</u> (B)
5. 6.				Percent of Dominant Species That Are OBL, FACW, or FAC: <u>0.0%</u> (A/B)
7				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15)				OBL species 0 x 1 = 0
1				FACW species 0 x 2 = 0
2				FAC species 10 x 3 = 30
3				FACU species 80 x 4 = 320
4				UPL species 20 x 5 = 100
5				Column Totals: 110 (A) 450 (B)
6				Prevalence Index = B/A = 4.09
7				Hydrophytic Vegetation Indicators:
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5)				2 - Dominance Test is >50%
1. Vicia cracca	20	Yes	UPL	3 - Prevalence Index is ≤3.0 ¹
2. Lotus corniculatus	15	No	FACU	4 - Morphological Adaptations ¹ (Provide supporting
3. Taraxacum officinale	10	No	FACU	data in Remarks or on a separate sheet)
4. Trifolium repens	35	Yes	FACU	Problematic Hydrophytic Vegetation ¹ (Explain)
5. Galium sp.	10	No	FAC	¹ Indicators of hydric soil and wetland hydrology must
6. Dactylis glomerata	20	Yes	FACU	be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8				Tree – Woody plants 3 in. (7.6 cm) or more in
9		·		diameter at breast height (DBH), regardless of height.
10 11				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
12				Herb – All herbaceous (non-woody) plants, regardless
	110	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size:30) 1.				Woody vines – All woody vines greater than 3.28 ft in height.
2.				
3.				Hydrophytic Vegetation
4.				Present? Yes No X
		=Total Cover		
Remarks: (Include photo numbers here or on a sepa	rate sheet.)			

Depth	Profile Description: (Describe to the depth needed to document the indicator or Depth Matrix Redox Features							
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
<u> </u>			. , ,					
0-16	10YR 3/2	100					Loamy/Clayey	
¹ Type: C=Co	oncentration, D=Depl	letion, RM	=Reduced Matrix, N	/IS=Mas	ked Sand	l Grains.	² Location: PL=	Pore Lining, M=Matrix.
Hydric Soil I	ndicators:						Indicators for I	Problematic Hydric Soils ³ :
Histosol	(A1)		Polyvalue Belo	w Surfa	ce (S8) (I	LRR R,	2 cm Muck	(A10) (LRR K, L, MLRA 149B)
Histic Ep	ipedon (A2)		MLRA 149B)			Coast Prair	ie Redox (A16) (LRR K, L, R)
Black His	stic (A3)		Thin Dark Surf	ace (S9) (LRR R,	MLRA 1	49B) 5 cm Mucky	y Peat or Peat (S3) (LRR K, L, R)
Hydroge	n Sulfide (A4)		High Chroma S	Sands (S	611) (LRF	R K, L)	Polyvalue E	Below Surface (S8) (LRR K, L)
	Layers (A5)		Loamy Mucky			R K, L)		Surface (S9) (LRR K, L)
	Below Dark Surface	e (A11)	Loamy Gleyed		F2)			nese Masses (F12) (LRR K, L, R)
	rk Surface (A12)		Depleted Matri					loodplain Soils (F19) (MLRA 149B)
	ucky Mineral (S1)		Redox Dark Su	•	,			dic (TA6) (MLRA 144A, 145, 149B)
	leyed Matrix (S4)		Depleted Dark					Material (F21)
	edox (S5)		Redox Depres	•	8)			w Dark Surface (F22)
	Matrix (S6)		Marl (F10) (LR	(R K, L)			Other (Expl	ain in Remarks)
Dark Sur	face (S7)							
³ Indiantara at	by draphy tic yearstat	ion and w	atland by dralagy my	ist ha ni	econt un	laas dist	urbad or problematic	
	-ayer (if observed):		elianu nyurology mi	ust be pi	esent, ui		urbed or problematic.	
Type:	ayer (if observed). N/A							
		1						Maa Na X
Depth (ir	iches):						Hydric Soil Present?	Yes <u>No X</u>
Remarks:								
	m is revised from No 2015 Errata. (http://w							Field Indicators of Hydric Soils,
	2015 Ellata. (III.p.//w	www.mcs.u	isua.yov/internet/1			3/11/05 14	2p2_031293.000X)	

Project/Site: Mohaw	/k Solar					City/County: Mon	ntgor	mery County		Sampling Date	: 5/2	5/2018
Applicant/Owner:	Mohawk Sol	ar LLC						State:	NY	Sampling Po	vint: 1	Wet@WetU
Investigator(s): John	Wojicikiewicz	z, Shelby Zemker	<u>ו</u>			Section,	Тоу	vnship, Range:	Town of	f Canajoharie ar	id Ming	den
Landform (hillside, ter	race, etc.):	Gentle Slope			Local r	elief (concave, co	nve	x, none): <u>Conca</u>	ave	Slo	ope %:	1-2
Subregion (LRR or MI	LRA): LRR	L	Lat:	42.880017		Lor	ng:	-74.606495		Datum	WC	GS84
Soil Map Unit Name: Madalin silty clay loam NWI classification: PSS												
Are climatic / hydrolog	Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No (If no, explain in Remarks.)											
Are Vegetation	, Soil	, or Hydrology		significantly	/ disturb	ed? Are "N	lorm	al Circumstanc	es" pres	sent? Yes X	<u> </u>)
Are Vegetation	Are Vegetation, Soil, or Hydrologynaturally problematic? (If needed, explain any answers in Remarks.)											
SUMMARY OF F	INDINGS -	- Attach site	map	showing	ı samp	oling point loo	cati	ions, transe	cts, in	nportant fea	tures	, etc.
Hydrophytic Vegetati	ion Present?	Yes	х	No		Is the Sampled	d Ar	ea				
Hydric Soil Present?		Yes	Х	No		within a Wetla	nd?	Yes	5 X	No		
Wetland Hydrology F	Present?	Yes	Х	No		If yes, optional	Wet	tland Site ID:				
Remarks: (Explain a	alternative pro	cedures here or i	in a s	eparate repo	ort.)							

Wetland Hydrology Indicators:			Secondary Indicators (minimum of two required)				
Primary Indicators (minimum of one is require	ed; check all that apply)		Surface Soil Cracks (B6)				
X Surface Water (A1)	Water-Stained Leaves (B9)		Drainage Patterns (B10)				
X High Water Table (A2)	Aquatic Fauna (B13)		Moss Trim Lines (B16)				
X Saturation (A3)	Marl Deposits (B15)		Dry-Season Water Table (C2)				
Water Marks (B1)	Crayfish Burrows (C8)						
Sediment Deposits (B2)	Saturation Visible on Aerial Imagery (C9)						
Drift Deposits (B3)	Stunted or Stressed Plants (D1)						
Algal Mat or Crust (B4)	Geomorphic Position (D2)						
Iron Deposits (B5)	Shallow Aquitard (D3)						
Inundation Visible on Aerial Imagery (B7)	Microtopographic Relief (D4)						
Sparsely Vegetated Concave Surface (B	8)		X FAC-Neutral Test (D5)				
Field Observations:							
Surface Water Present? Yes X	No Depth (inches): 1						
Water Table Present? Yes X	No Depth (inches): 0						
Saturation Present? Yes X	No Depth (inches): 0	Wetlan	d Hydrology Present? Yes X No				
Saturation Present? Yes X (includes capillary fringe)	No Depth (inches):0	Wetlan	d Hydrology Present? Yes X No				
(includes capillary fringe)							
(includes capillary fringe)							
(includes capillary fringe)							
(includes capillary fringe) Describe Recorded Data (stream gauge, mor							
(includes capillary fringe) Describe Recorded Data (stream gauge, mor							
(includes capillary fringe) Describe Recorded Data (stream gauge, mor							
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(includes capillary fringe) Describe Recorded Data (stream gauge, mor							
(includes capillary fringe) Describe Recorded Data (stream gauge, mor							

Sampling Point: 1Wet@WetU

esFAC OBLNumber of Dominant Species That Are OBL, FACW, or FAC: 7 Total Number of Dominant Species Across All Strata: 7 Percent of Dominant Species That Are OBL, FACW, or FAC: 100.0% Percent of Dominant Species That Are OBL, FACW, or FAC: 100.0% Percent of Dominant Species That Are OBL, FACW, or FAC: 100.0% Percent of Dominant Species That Are OBL, FACW, or FAC: 100.0% Percent of Dominant Species That Are OBL, FACW, or FAC: 100.0% Percent of Dominant Species That Are OBL, FACW, or FAC: 100.0% Percent of Dominant Species That Are OBL, FACW, or FAC: 100.0% Percent of Dominant Species That Are OBL, FACW, or FAC: 100.0% OBL species 10 FACW species 75 FAC species 80 FAC Species 80 FAC Species 5 Scale 4 = 20 UPL species 5 Column Totals: 170 Column Totals: 170
esOBLThat Are OBL, FACW, or FAC:7(A)Total Number of Dominant Species Across All Strata:7(B)Percent of Dominant Species That Are OBL, FACW, or FAC:100.0%(A/Prevalence Index worksheet:Total % Cover of:Multiply by:CoverOBL species10x 1 =10esFACFACW species75x 2 =150esFACFACW species5x 4 =20loFACWUPL species0x 5 =0loFACWColumn Totals:170(A)420loFACWOurne Totals:170(A)420loFACWColumn Totals:170(A)420loFACWColumn Totals:170(A)420loFACWVariable to the station of t
Species Across All Strata:7(B)Percent of Dominant Species That Are OBL, FACW, or FAC:100.0%(A/Prevalence Index worksheet: Total % Cover of:Multiply by:CoverTotal % Cover of:Multiply by:OBL species10x 1 =10esFACFACW species75x 2 =esFACFAC species80x 3 =240esFACFAC species5x 4 =20loFACWUPL species0x 5 =0loFACWColumn Totals:170(A)420loFACUPrevalence Index = B/A =2.47LoFACWColumn Totals:170(A)420loFACWA - Prevalence Index is <3.01
That Are OBL, FACW, or FAC: 100.0% (A/Prevalence Index worksheet:CoverTotal % Cover of:Multiply by:OBL species10x 1 =10esFACFACW species75x 2 =ioFACFAC species80x 3 =esFACFAC species5x 4 =20ioFACWUPL species0x 5 =0ioFACWOclumn Totals:170(A)420ioFACUPrevalence Index = B/A =2.47Hydrophytic Vegetation Indicators:1 - Rapid Test for Hydrophytic Vegetationx2 - Dominance Test is >50%X3 - Prevalence Index is $\leq 3.0^1$ esFACW4 - Morphological Adaptations ¹ (Provide support data in Remarks or on a separate sheet)ioFACProblematic Hydrophytic Vegetation ¹ (Explain)1Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.Definitions of Vegetation Strata:
CoverTotal % Cover of:Multiply by:OBL species10x 1 =10esFACFACW species75x 2 =150esFACFAC species80x 3 =240esFACFAC species5x 4 =20loFACWUPL species0x 5 =0loFACWColumn Totals:170(A)420loFACUPrevalence Index = B/A =2.47Hydrophytic Vegetation Indicators:1 - Rapid Test for Hydrophytic Vegetationx2 - Dominance Test is >50%esFACW4 - Morphological Adaptations ¹ (Provide support data in Remarks or on a separate sheet)loFACProblematic Hydrophytic Vegetation ¹ (Explain)1Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.Definitions of Vegetation Strata:
OBL species10 $x 1 =$ 10esFACFACW species75 $x 2 =$ 150esFACFAC species80 $x 3 =$ 240esFACFAC species5 $x 4 =$ 20loFACWUPL species0 $x 5 =$ 0loFACWColumn Totals:170(A)420loFACUPrevalence Index = B/A =2.47Hydrophytic Vegetation Indicators:1 - Rapid Test for Hydrophytic Vegetationx2 - Dominance Test is >50%x3 - Prevalence Index is $\leq 3.0^1$ data in Remarks or on a separate sheet)loFACProblematic Hydrophytic Vegetation ¹ (Explain)1 Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.Definitions of Vegetation Strata:
esFACFACW species 75 $x 2 =$ 150 esFACFAC species 80 $x 3 =$ 240 esFACFAC upcies 5 $x 4 =$ 20 loFACWUPL species 0 $x 5 =$ 0 loFACWColumn Totals: 170 (A) 420 loFACUPrevalence Index = $B/A =$ 2.47 Hydrophytic Vegetation Indicators: $1 - Rapid Test for Hydrophytic Vegetation$ cover $1 - Rapid Test for Hydrophytic Vegetation$ $x 2 - Dominance Test is >50%$ $x 3 - Prevalence Index is \leq 3.0^1esFACWloFACDefinitions of hydric soil and wetland hydrology must be present, unless disturbed or problematic.Definitions of Vegetation Strata:$
esFACFAC species80 $x 3 = 240$ esFACFACU species5 $x 4 = 20$ loFACWUPL species0 $x 5 = 0$ loFACWColumn Totals:170(A)420loFACUPrevalence Index = B/A =2.47loFACUIntervalence Index = B/A =2.47Hydrophytic Vegetation Indicators:1 - Rapid Test for Hydrophytic Vegetation $x 2 - Dominance Test is >50%X 3 - Prevalence Index is \leq 3.0^1esFACW4 - Morphological Adaptations1 (Provide support data in Remarks or on a separate sheet)loFACProblematic Hydrophytic Vegetation1 (Explain)1Indicators of hydric soil and wetland hydrology mus be present, unless disturbed or problematic.Definitions of Vegetation Strata:Definitions of Vegetation Strata:$
esFACFACU species5 $x 4 =$ 20loFACWUPL species0 $x 5 =$ 0loFACWColumn Totals:170(A)420loFACUPrevalence Index = B/A =2.47Hydrophytic Vegetation Indicators:1 - Rapid Test for Hydrophytic VegetationCover1 - Rapid Test for Hydrophytic Vegetation $X 2$ - Dominance Test is >50%esFACWloFACWloFACWloFACWloFACProblematic Hydrophytic Vegetation ¹ (Explain)1 Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.Definitions of Vegetation Strata:
IoFACWUPL species0 $x 5 =$ 0IoFACWColumn Totals:170(A)420(C)IoFACUPrevalence Index = B/A =2.47(A)2.47Hydrophytic Vegetation Indicators:Cover1 - Rapid Test for Hydrophytic Vegetation $X 2$ - Dominance Test is >50%(A)2 - Dominance Test is >50%esFACWX 3 - Prevalence Index is $\leq 3.0^1$ data in Remarks or on a separate sheet)Problematic Hydrophytic Vegetation ¹ (Explain)1Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.Definitions of Vegetation Strata:
IoFACWColumn Totals:170(A)420(Column Totals:IoFACUPrevalence Index = B/A =2.47Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation X 2 - Dominance Test is >50%XesFACWX 3 - Prevalence Index is $\leq 3.0^1$ loFACW4 - Morphological Adaptations ¹ (Provide support data in Remarks or on a separate sheet)loFACProblematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology mus be present, unless disturbed or problematic.Definitions of Vegetation Strata:
Io FACU Prevalence Index = B/A = 2.47 Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation Cover 1 - Rapid Test for Hydrophytic Vegetation X 2 - Dominance Test is >50% es FACW lo FACW lo FACW lo FAC Problematic Hydrophytic Vegetation ¹ (Explain) 1 - Repid Test for Hydrophytic Vegetations lo FAC Problematic Hydrophytic Vegetation 1 - Repid Test for Hydrophytic Vegetation lo FAC Problematic Hydrophytic Vegetation 1 - Repide Test for Hydrophytic Veg
Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation X 2 - Dominance Test is >50% es FACW io FACW io FAC Problematic Hydrophytic Vegetation ¹ (Provide support data in Remarks or on a separate sheet) io FAC Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Definitions of Vegetation Strata:
Cover 1 - Rapid Test for Hydrophytic Vegetation X 2 - Dominance Test is >50% es FACW iss FAC Problematic Hydrophytic Vegetation ¹ (Explain) 1 Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Definitions of Vegetation Strata:
es FACW es FACW lo FACW lo FAC lo FAC Problematic Hydrophytic Vegetation ¹ (Explain) 1 Indicators of hydric soil and wetland hydrology mus be present, unless disturbed or problematic. Definitions of Vegetation Strata:
es FACW X 3 - Prevalence Index is ≤3.0 ¹ es FACW 4 - Morphological Adaptations ¹ (Provide support data in Remarks or on a separate sheet) lo FAC Problematic Hydrophytic Vegetation ¹ (Explain) 1 Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Definitions of Vegetation Strata:
es FACW lo FACW lo FAC lo FAC Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology mus be present, unless disturbed or problematic. Definitions of Vegetation Strata:
Io FACW data in Remarks or on a separate sheet) Io FAC Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Definitions of Vegetation Strata:
IO FAC Problematic Hydrophytic Vegetation ¹ (Explain) Io FAC Problematic Hydrophytic Vegetation ¹ (Explain) Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Indicators of Vegetation Strata:
¹ Indicators of hydric soil and wetland hydrology mus be present, unless disturbed or problematic. Definitions of Vegetation Strata:
be present, unless disturbed or problematic. Definitions of Vegetation Strata:
Definitions of Vegetation Strata:
Tree – Woody plants 3 in. (7.6 cm) or more in
diameter at breast height (DBH), regardless of heigh
Sapling/shrub Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
Herb – All herbaceous (non-woody) plants, regardle Cover of size, and woody plants less than 3.28 ft tall.
Woody vines – All woody vines greater than 3.28 ft height.
Hydrophytic
Present? Yes X No

SOIL

Profile Desc	ription: (Describe	to the de	pth needed to doci	ument th	ne indica	ator or c	onfirm the absence o	of indicators.)
Depth	Matrix		Redo	x Featur	es			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-8	10YR 5/1	80	7.5YR 5/6	20	С	М	Loamy/Clayey	Clay Silt Loam
8-16	10YR 4/1	70	7.5YR 5/6	30	С	М	Loamy/Clayey	Clay Silt Loam
1								
	oncentration, D=Dep	letion, RN	I=Reduced Matrix, N	/IS=Masl	ked Sand	d Grains.		PL=Pore Lining, M=Matrix.
Hydric Soil			Debuselus Dela		(CO) (or Problematic Hydric Soils ³ :
Histosol			Polyvalue Belo		ce (58) (I	LRR R,		uck (A10) (LRR K, L, MLRA 149B)
	bipedon (A2)		MLRA 149B	,				Prairie Redox (A16) (LRR K, L, R)
Black Hi			Thin Dark Surf	• • •	•			ucky Peat or Peat (S3) (LRR K, L, R)
	n Sulfide (A4) I Layers (A5)		High Chroma S					ue Below Surface (S8) (LRR K, L)
	Below Dark Surface	~ (11)	Loamy Mucky Loamy Gleyed			κ κ , ι)		rk Surface (S9) (LRR K, L) nganese Masses (F12) (LRR K, L, R)
	ark Surface (A12)	= (ATT)	X Depleted Matri		rz)			nt Floodplain Soils (F19) (MLRA 149B)
	lucky Mineral (S1)		Redox Dark Su		6)			podic (TA6) (MLRA 144A, 145, 149B)
	ileyed Matrix (S4)		Depleted Dark	`	,			rent Material (F21)
	edox (S5)		Redox Depress		. ,			allow Dark Surface (F22)
	Matrix (S6)		Marl (F10) (LR	-	5)			Explain in Remarks)
	face (S7)			, L)				
³ Indicators of	f hvdrophvtic vegetat	ion and w	etland hvdrologv mu	ust be pr	esent. ur	nless dist	urbed or problematic.	
	ayer (if observed):		, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		,			
Type:	N/A	4						
Depth (ir	nches):						Hydric Soil Prese	nt? Yes <u>X</u> No
Remarks:								
								CS Field Indicators of Hydric Soils,
Version 7.0,	2015 Errata. (http://v	ww.nrcs.	usda.gov/Internet/F	SE_DOC	UMENT	S/nrcs14	2p2_051293.docx)	

Project/Site: Mohaw	k Solar			City/County: Montgo	mery County		Sampling Date: 5/25/2018		
Applicant/Owner:	Mohawk Sola	ar LLC			State:	NY	Sampling Point	t: <u>1Up@WetU</u>	
Investigator(s): John	Wojicikiewicz	, Shelby Zemken		Section, To	wnship, Range: ⁻	Town of C	Canajoharie and	Minden	
Landform (hillside, ter	race, etc.):	Gentle sloping	Local re	elief (concave, conve	x, none): <u>Conve</u>	х	Slope	e %: <u>1-2</u>	
Subregion (LRR or ML	.RA): LRR L	. La	t: 42.880021	Long:	-74.606312		Datum:	WGS84	
Soil Map Unit Name:	Madalin silty	clay loam			NWI classi	fication:	N/A		
Are climatic / hydrolog	ic conditions	on the site typical f	or this time of year?	Yes X	No	(If no, ex	kplain in Remark	s.)	
Are Vegetation	, Soil	, or Hydrology	significantly disturb	ed? Are "Norn	nal Circumstance	es" prese	nt? Yes <u>X</u>	No	
Are Vegetation	, Soil	, or Hydrology	naturally problemat	ic? (If needed	l, explain any an	swers in I	Remarks.)		
SUMMARY OF F	INDINGS –	Attach site ma	ap showing samp	oling point locat	ions, transe	cts, imp	oortant featu	res, etc.	

Hydrophytic Vegetation Present?	Yes X	No	Is the Sampled Area within a Wetland? Yes No X If yes, optional Wetland Site ID:					
Hydric Soil Present?	Yes	NoX						
Wetland Hydrology Present?	Yes	NoX						
Remarks: (Explain alternative procedures here or in a separate report.)								

Wetland Hydrology Indicators:		Secondary Indicators (minimum of two required)					
Primary Indicators (minimum of one is require	ed; 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)	Crayfish Burrows (C8)						
Sediment Deposits (B2)	Oxidized Rhizospheres on Living Ro	oots (C3) Saturation Visible on Aerial Imagery (C9)					
Drift Deposits (B3)	Presence of Reduced Iron (C4)	Stunted or Stressed Plants (D1)					
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soils	ls (C6) Geomorphic Position (D2)					
Iron Deposits (B5)	Thin Muck Surface (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	No X Depth (inches):						
Water Table Present? Yes	No X Depth (inches):						
Saturation Present? Yes	No X Depth (inches):	Wetland Hydrology Present? Yes No X					
(includes capillary fringe)							
Describe Recorded Data (stream gauge, mon	nitoring well, aerial photos, previous inspec	ections), if available:					
Remarks:							

Sampling Point: 1Up@WetU

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. 2.				Number of Dominant Species That Are OBL, FACW, or FAC:2 (A)
3 4				Total Number of Dominant Species Across All Strata: <u>2</u> (B)
5. 6.				Percent of Dominant Species That Are OBL, FACW, or FAC:100.0% (A/B)
7				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 30)				OBL species 0 x 1 = 0
1. Cornus racemosa	55	Yes	FAC	FACW species 0 x 2 = 0
2. Viburnum dentatum	15	No	FAC	FAC species 130 x 3 = 390
3. Viburnum lentago	10	No	FAC	FACU species 10 x 4 = 40
4. Lonicera morrowii	10	No	FACU	UPL species 0 x 5 = 0
5				Column Totals: 140 (A) 430 (B)
6				Prevalence Index = B/A = 3.07
7				Hydrophytic Vegetation Indicators:
	90	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 30)				X 2 - Dominance Test is >50%
1. Solidago sp.	45	Yes	FAC	3 - Prevalence Index is ≤3.0 ¹
2. Rubus sp.	5	No	FAC	4 - Morphological Adaptations ¹ (Provide supporting
3.				data in Remarks or on a separate sheet)
1				Problematic Hydrophytic Vegetation ¹ (Explain)
5.				
6				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8				_
9.				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
10 11				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
12	50	=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size:30) 1.				Woody vines – All woody vines greater than 3.28 ft in height.
2.				
3.				Hydrophytic
				Vegetation Present? Yes X No
4		=Total Cover		
Remarks: (Include photo numbers here or on a sepa				
Solidago Sp to early to identify				

Depth	Matrix			x Featu								
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks				
0-16	10YR 5/3	100					Loamy/Clayey	Clay Silt Loam				
	·											
4												
	oncentration, D=Dep	letion, RM	1=Reduced Matrix, N	//S=Mas	ked Sand	d Grains.		Pore Lining, M=Matrix.				
Hydric Soil			Daharaha Dah	0.6				Problematic Hydric Soils ³ :				
Histosol			Polyvalue Belo		ice (S8) (LRR R,		(A10) (LRR K, L, MLRA 149B)				
	pipedon (A2)		MLRA 149B	,				rie Redox (A16) (LRR K, L, R)				
	istic (A3)		Thin Dark Surf					ky Peat or Peat (S3) (LRR K, L ,				
	en Sulfide (A4)		High Chroma	-				Below Surface (S8) (LRR K, L)				
	d Layers (A5) d Below Dark Surface	~ (11)	Loamy Mucky			κ κ , ι)		Surface (S9) (LRR K, L)				
	ark Surface (A12)	e (ATT)	Loamy Gleyed Depleted Matri		(FZ)			anese Masses (F12) (LRR K, L, Elocatelain Soils (E10) (MI BA 1 /				
	/ucky Mineral (S1)		Redox Dark Si		-6)		Piedmont Floodplain Soils (F19) (MLRA 149 Mesic Spodic (TA6) (MLRA 144A, 145, 149E Red Parent Material (F21) Very Shallow Dark Surface (F22)					
	Gleyed Matrix (S4)		Depleted Dark	-								
	Redox (S5)		Redox Depres									
	Matrix (S6)		Marl (F10) (LR		0)		Other (Explain in Remarks)					
	rface (S7)			, _/			0					
³ Indicators o	f hydrophytic vegetat	ion and w	etland hydrology m	ust be p	resent, ui	nless dist	urbed or problematic.					
	Layer (if observed):		, ,,				·					
Type:	N/A	4										
Depth (i	nches):						Hydric Soil Present	? Yes No X				
	,						,					
Remarks:	rm is revised from No	orthcontrol	l and Northeast Reg	ional Su	Innlemen	t Version	2.0 to include the NRCS	Field Indicators of Hydric Soils,				
	2015 Errata. (http://v											
			Ū	_			,					

Project/Site: Mohawk	Solar				City	/County: Mc	ontgor	mery County	/		Samplin	ng Date:	5/25	/2018
Applicant/Owner:	Mohawk Sola	ar LLC						Sta	ite:	NY	Samp	ling Poin	it: 1W	Vet@WetZ
Investigator(s): John Wojicikiewicz, Shelby Zemken						Section	n, Tow	/nship, Rang	ge: To	own of (Canajoh	arie and	Minde	en
Landform (hillside, terra	ace, etc.):	Gentle Slope		Loc	cal relief	(concave, c	onvex	k, none): <u>Co</u>	ncave	e		Slop	e %:	1-2
Subregion (LRR or MLF	RA): <u>LRR L</u>	·	Lat: _	42.87823		Lo	ong:	-74.60743			[Datum:	WG	S84
Soil Map Unit Name: Phelps gravelly loam, 3 to 8 percent slopes NWI classification: PEM														
Are climatic / hydrologic conditions on the site typical for this time of year?					r?	Yes	Х	No	(lf no, e	xplain in	n Remark	(s.)	
Are Vegetation,	, Soil	, or Hydrology	:	significantly dis	sturbed?	Are "	Norm	al Circumsta	ances	" prese	ent? Y	es X	No	
Are Vegetation,	, Soil	, or Hydrology		naturally proble	ematic?	(If ne	eded,	, explain any	/ ans	wers in	Remark	.s.)		
SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.									etc.					
Hydrophytic Vegetation	n Present?	Yes	х	No	ls	the Sample	ed Ar	ea						
Hydric Soil Present?		Yes	Х	No	w	ithin a Wetl	and?	•	Yes_	Х	No			
Wetland Hydrology Pre	esent?	Yes	Х	No	lf	yes, optiona	l Wet	land Site ID	:					

Remarks: (Explain alternative procedures here or in a separate report.)

Wetland Hydrology Indicators:		Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is re-	equired; check all that apply)	Surface Soil Cracks (B6)
X Surface Water (A1)	Water-Stained Leaves (B9)	Drainage Patterns (B10)
X High Water Table (A2)	Aquatic Fauna (B13)	Moss Trim Lines (B16)
X Saturation (A3)	Dry-Season Water Table (C2)	
Water Marks (B1)	Crayfish Burrows (C8)	
Sediment Deposits (B2)	Oxidized Rhizospheres on Living Ro	ots (C3) Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3)	Presence 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 Surface (C7)	Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery	(B7) Other (Explain in Remarks)	Microtopographic Relief (D4)
Sparsely Vegetated Concave Surface	ce (B8)	X FAC-Neutral Test (D5)
Field Observations:		
Surface Water Present? Yes X	No Depth (inches): 2	
Water Table Present? Yes X	No Depth (inches): 0	
Saturation Present? Yes X	No Depth (inches): 0	Wetland Hydrology Present? Yes X No
(includes capillary fringe)		
Describe Recorded Data (stream gauge,	monitoring well, aerial photos, previous inspec	tions), if available:
Remarks:		

Sampling Point: 1Wet@WetZ

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. 2.				Number of Dominant Species That Are OBL, FACW, or FAC:2 (A)
3 4				Total Number of Dominant Species Across All Strata: <u>2</u> (B)
5 6				Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100.0%</u> (A/B)
7				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15)				OBL species 35 x 1 = 35
1				FACW species 30 x 2 = 60
2.				FAC species 0 x 3 = 0
3.				FACU species 0 x 4 = 0
4.				UPL species 0 x 5 = 0
5.				Column Totals: 65 (A) 95 (B)
6.				Prevalence Index = $B/A = 1.46$
7.				Hydrophytic Vegetation Indicators:
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5)				X 2 - Dominance Test is >50%
1. Juncus effusus	25	Yes	OBL	X 3 - Prevalence Index is $\leq 3.0^1$
2. Phalaris arundinacea	25	Yes	FACW	4 - Morphological Adaptations ¹ (Provide supporting
3. Carex vulpinoidea	10	No	OBL	data in Remarks or on a separate sheet)
4. Onoclea sensibilis	5	No	FACW	Problematic Hydrophytic Vegetation ¹ (Explain)
5.				
6.				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7.				Definitions of Vegetation Strata:
8.				
9.				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
10.				Sapling/shrub – Woody plants less than 3 in. DBH
11.				and greater than or equal to 3.28 ft (1 m) tall.
12	65	=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30)				
1´				Woody vines – All woody vines greater than 3.28 ft in height.
2				
3				Hydrophytic Vegetation
4				Present? Yes X No
		=Total Cover		
Remarks: (Include photo numbers here or on a sepa Moss was also present	arate sheet.)			

Profile Desc	ription: (Describe	to the d	epth needed to doc	ument tl	he indica	tor or c	onfirm the absence o	f indicators.)
Depth	Matrix		Redo	x Featur	es			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-6	10YR 2/2	100					Mucky Loam/Clay	Mucky Loam, High in Organics
6-16	10YR 6/1	95	7.5YR 5/6	5	С	М	Loamy/Clayey	Clay Loam
							·	
							·	
							· ·	
							·	
							·	
		lation D	M=Reduced Matrix, N	18-Maa	kod Sono		² Location: D	2L=Pore Lining, M=Matrix.
Hydric Soil I				/10-11/185	keu Sano	i Grains.		or Problematic Hydric Soils ³ :
Histosol			Polyvalue Belo	w Surfa	ce (S8) (I	RRR		uck (A10) (LRR K, L, MLRA 149B)
	vipedon (A2)		MLRA 149B		00)(00)	,		rairie Redox (A16) (LRR K, L, R)
Black His			Thin Dark Surf	<i>,</i>		MLRA		ucky Peat or Peat (S3) (LRR K, L, R)
	n Sulfide (A4)		High Chroma S		-			ie Below Surface (S8) (LRR K, L)
	I Layers (A5)		X Loamy Mucky					rk Surface (S9) (LRR K, L)
	Below Dark Surface	e (A11)	Loamy Gleyed			, ,		nganese Masses (F12) (LRR K, L, R)
	irk Surface (A12)	· · /	X Depleted Matri		,			nt Floodplain Soils (F19) (MLRA 149B)
	lucky Mineral (S1)		Redox Dark Su		6)			podic (TA6) (MLRA 144A, 145, 149B)
	leyed Matrix (S4)		Depleted Dark	Surface	(F7)			ent Material (F21)
Sandy R	edox (S5)		Redox Depres				Very Sha	allow Dark Surface (F22)
Stripped	Matrix (S6)		Marl (F10) (LR	R K, L)			Other (E	xplain in Remarks)
Dark Sur	face (S7)							
³ Indicators of	f hydrophytic vegetat	tion and v	wetland hydrology m	ust be pr	resent, ur	nless dis	turbed or problematic.	
Restrictive L	_ayer (if observed):							
Туре:	N//	4						
Depth (ir	nches):						Hydric Soil Preser	nt? Yes <u>X</u> No
Remarks:							ł	
								CS Field Indicators of Hydric Soils,
Version 7.0,	2015 Errata. (http://v	www.nrcs	.usda.gov/Internet/F	SE_DOC	CUMENT	S/nrcs14	12p2_051293.docx)	

Project/Site: Mohav	vk Solar		(City/County: Montgor	mery County		Sampling Date:	5/24/2018
Applicant/Owner:	Mohawk Solar	LLC			State:	NY	Sampling Point:	1Up@WetT
Investigator(s): John	Wojicikiewicz,	Shelby Zemken		Section, Tow	/nship, Range: [_]	Town of	Canajoharie and N	Minden
Landform (hillside, te	rrace, etc.):	Gentle sloping	Local re	lief (concave, conve	k, none): <u>Conca</u>	ve	Slope	%: <u>1-2</u>
Subregion (LRR or M	LRA): <u>LRR L</u>	Lat	42.880853	Long:	-74.611216		Datum:	WGS84
Soil Map Unit Name:	Rhinebeck silt	y clay loam, 0 to 3	percent slopes		NWI classif	fication:	N/A	
Are climatic / hydrolog	gic conditions or	n the site typical fo	r this time of year?	Yes X	No	(lf no, e	explain in Remarks	s.)
Are Vegetation	, Soil,	or Hydrology	significantly disturbe	d? Are "Norm	al Circumstance	es" prese	ent? Yes X	No
Are Vegetation	, Soil,	or Hydrology	naturally problemation	c? (If needed	, explain any an	swers in	Remarks.)	
SUMMARY OF F	INDINGS –	Attach site ma	p showing samp	ling point locati	ons, transed	cts, im	portant featur	res, etc.

Hydrophytic Vegetation Present?	Yes X	No	Is the Sampled Area within a Wetland? Yes No X If yes, optional Wetland Site ID:
Hydric Soil Present?	Yes	No X	
Wetland Hydrology Present?	Yes	No X	
Remarks: (Explain alternative procedure	s here or in a s	eparate report.)	

Wetland Hydrology Indicators:	-	Secondary Indicators (min	<u>iimum of two required)</u>		
Primary Indicators (minimum of one is requi		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)	Oxidized Rhizospheres on Living Ro	ots (C3)	Saturation Visible on A	Aerial Imagery (C9)	
Drift Deposits (B3)	Presence of Reduced Iron (C4)	-	Stunted or Stressed P	Plants (D1)	
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soils	(C6)	Geomorphic Position	(D2)	
Iron Deposits (B5)	Thin Muck Surface (C7)	-	Shallow Aquitard (D3)	1	
Inundation Visible on Aerial Imagery (B	7) Other (Explain in Remarks)	-	Microtopographic Reli	ef (D4)	
Sparsely Vegetated Concave Surface (I	38)	-	FAC-Neutral Test (D5)	
Field Observations:					
Surface Water Present? Yes	No X Depth (inches):				
Water Table Present? Yes	No X Depth (inches):				
Saturation Present? Yes	No X Depth (inches):	Wetland	Hydrology Present?	Yes No X	
(includes capillary fringe)					
Describe Recorded Data (stream gauge, mo	onitoring well, aerial photos, previous inspec	ctions), if av	vailable:		
Remarks:					

Sampling Point: 1Up@WetT

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. 2.				Number of Dominant Species That Are OBL, FACW, or FAC:3(A)
3 4				Total Number of Dominant Species Across All Strata: <u>3</u> (B)
5 6				Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100.0%</u> (A/B)
7				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 30)				OBL species x 1 =
1. Cornus racemosa	30	Yes	FAC	FACW species 0 x 2 = 0
2. Viburnum lentago	15	Yes	FAC	FAC species x 3 =345
3. Viburnum dentatum	10	No	FAC	FACU species 10 x 4 = 40
4. Acer rubrum	5	No	FAC	UPL species <u>5</u> x 5 = <u>25</u>
5				Column Totals: 130 (A) 410 (B)
6				Prevalence Index = B/A =3.15
7				Hydrophytic Vegetation Indicators:
	60	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 30)				X 2 - Dominance Test is >50%
1. Solidago sp.	40	Yes	FAC	3 - Prevalence Index is ≤3.0 ¹
2. Carex sp.	10	No	FAC	4 - Morphological Adaptations ¹ (Provide supporting
3. Rubus sp.	10	No	FACU	data in Remarks or on a separate sheet)
4. Gallium sp.	5	No	FAC	Problematic Hydrophytic Vegetation ¹ (Explain)
5. Vicia cracca	5	No	UPL	¹ Indicators of hydric soil and wetland hydrology must
6				be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8 9				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
10				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
11. 12.				Herb – All herbaceous (non-woody) plants, regardless
	70	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size:30) 1.				Woody vines – All woody vines greater than 3.28 ft in height.
2				
3				Hydrophytic Vegetation
4.				Present? Yes X No
		=Total Cover		
Remarks: (Include photo numbers here or on a sepa	arate sheet.)			1
	,			

Profile Desc	ription: (Describe	to the de	pth needed to doc	ument tl	he indica	ator or co	onfirm the absence of ind	cators.)	
Depth	Matrix			x Featur					
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks	
0-6	10YR 5/3	100					Loamy/Clayey	Silt Clay Loam	
6-16	10YR 5/3	85	7.5YR 5/6	15	С	M	Loamy/Clayey	Silt Clay Loam	
				_	_				
¹ Type: C=Co	oncentration, D=Dep	letion, RM	I=Reduced Matrix, N	/IS=Mas	ked Sand	d Grains.	² Location: PL=Pc	re Lining, M=Matrix.	
Black His Hydrogel Stratified Depleted Thick Da Sandy M	(A1) iipedon (A2) stic (A3) n Sulfide (A4) I Layers (A5) I Below Dark Surface rk Surface (A12) lucky Mineral (S1)	e (A11)	Polyvalue Belo MLRA 149B Thin Dark Surf High Chroma S Loamy Mucky Loamy Gleyed Depleted Matri Redox Dark Su	a) Face (S9) Sands (S Mineral Matrix (Matrix (F3) urface (F) (LRR R 611) (LRI (F1) (LRI F2) 6)	, MLRA 1 R K, L)	2 cm Muck (A Coast Prairie 5 cm Mucky F Polyvalue Be Thin Dark Su Iron-Mangane Piedmont Flo Mesic Spodic	blematic Hydric Soils ³ 10) (LRR K, L, MLRA 14 Redox (A16) (LRR K, L, Peat or Peat (S3) (LRR K ow Surface (S8) (LRR K face (S9) (LRR K, L) se Masses (F12) (LRR H odplain Soils (F19) (MLR (TA6) (MLRA 144A, 145	49B) R) K, L, R) K, L, R) K, L, R) RA 149B)
Sandy R Stripped	leyed Matrix (S4) edox (S5) Matrix (S6) face (S7)		Depleted Dark Redox Depress Marl (F10) (LR	sions (Fa			Red Parent M Very Shallow Other (Explai	Dark Surface (F22)	
	ayer (if observed):		etiand hydrology mi	ust be pr	esent, ur	liess dist	urbed or problematic.		
Type:	N//								
Depth (ir							Hydric Soil Present?	Yes No	х
Remarks:									
	m is revised from No 2015 Errata. (http://v						2.0 to include the NRCS Fi 2p2_051293.docx)	eld Indicators of Hydric S	Soils,

Project/Site: Mohawk Solar		City/Co	unty: Marshville, Montgomery	/ S	ampling Date: 8/1/18		
Applicant/Owner: Avantgrid			State:	NY	Sampling Point: <u>1wet@wetTT</u>		
Investigator(s): SZ, SB			Section, Township, Range:	Town of Ca	anajoharie		
Landform (hillside, terrace, etc.):	Channel (active)	Local relief (co	ncave, convex, none): <u>concav</u>	ve	Slope %: 2-5		
Subregion (LRR or MLRA): LRR	R, MLRA 144A Lat:	42.893975	Long: -74.634646		Datum: NAD 83		
Soil Map Unit Name: Appleton sil	it loam		NWI classi	fication: F	PEM		
Are climatic / hydrologic conditions	s on the site typical for t	his time of year?	Yes X No	(If no, exp	plain in Remarks.)		
Are Vegetation, Soil	, or Hydrology	significantly disturbed?	Are "Normal Circumstance	es" presen	t? Yes X No		
Are Vegetation, Soil	, or Hydrology	naturally problematic?	(If needed, explain any an	swers in R	(emarks.)		
SUMMARY OF FINDINGS	SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.						
Hydrophytic Vegetation Present?	Yes X	No Is the	e Sampled Area				
Hydric Soil Present?	Yes X	No withi	n a Wetland? Yes	<u>x</u>	No		
Wetland Hydrology Present?	Yes X	No If yes	, optional Wetland Site ID:				
Remarks: (Explain alternative pro	ocedures here or in a se	eparate report.)					

Wetland Hydrology Indicators:	Wetland Hydrology Indicators:				
Primary Indicators (minimum of one is require		Surface Soil Cracks (B6)			
Surface Water (A1)	Water-Stained Leaves (B9)		X 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)	X Oxidized Rhizospheres on Living Ro	oots (C3)	Saturation Visible on Aerial Imagery (C9)		
Drift Deposits (B3)	Presence of Reduced Iron (C4)		Stunted or Stressed Plants (D1)		
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soils	s (C6)	Geomorphic Position (D2)		
Iron Deposits (B5)	Thin Muck Surface (C7)		Shallow Aquitard (D3)		
Inundation Visible on Aerial Imagery (B7)	Other (Explain in Remarks)		Microtopographic Relief (D4)		
Sparsely Vegetated Concave Surface (B	8)		X FAC-Neutral Test (D5)		
Field Observations:					
Surface Water Present? Yes	No X Depth (inches):				
Water Table Present? Yes	No X Depth (inches):				
Saturation Present? Yes	No X Depth (inches):	Wetland	d Hydrology Present? Yes X No		
Saturation Present? Yes (includes capillary fringe)	No X Depth (inches):	Wetland	d Hydrology Present? Yes X No		
(includes capillary fringe)					
(includes capillary fringe)					
(includes capillary fringe) Describe Recorded Data (stream gauge, mor					
(includes capillary fringe) Describe Recorded Data (stream gauge, mor					
(includes capillary fringe) Describe Recorded Data (stream gauge, mor					
(includes capillary fringe) Describe Recorded Data (stream gauge, mor					
(includes capillary fringe) Describe Recorded Data (stream gauge, mor					
(includes capillary fringe) Describe Recorded Data (stream gauge, mor					
(includes capillary fringe) Describe Recorded Data (stream gauge, mor					
(includes capillary fringe) Describe Recorded Data (stream gauge, mor					

Sampling Point: <u>1wet@wetTT</u>

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1.				
2.				Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)
3				Total Number of Dominant
4				Species Across All Strata: 1 (B)
5				Percent of Dominant Species
6				That Are OBL, FACW, or FAC: 100.0% (A/B)
7				Prevalence Index worksheet:
		=Total Cover		Total % Cover of:Multiply by:
Sapling/Shrub Stratum (Plot size: 15)				OBL species <u>5</u> x 1 = <u>5</u>
1				FACW species 95 x 2 = 190
2				FAC species 0 x 3 = 0
3				FACU species <u>5</u> x 4 = <u>20</u>
4				UPL species <u>5</u> x 5 = <u>25</u>
5				Column Totals: 110 (A) 240 (B)
6				Prevalence Index = B/A =2.18
7				Hydrophytic Vegetation Indicators:
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5)				X 2 - Dominance Test is >50%
1. Phalaris arundinacea	90	Yes	FACW	X_3 - Prevalence Index is $\leq 3.0^1$
2. Cirsium arvense	5	No	FACU	4 - Morphological Adaptations ¹ (Provide supporting
3. Vicia cracca	5	No	UPL	data in Remarks or on a separate sheet)
4. Asclepias incarnata	5	No	OBL	Problematic Hydrophytic Vegetation ¹ (Explain)
5. Carex scoparia	5	No	FACW	¹ Indicators of hydric soil and wetland hydrology must
6				be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8				Tree – Woody plants 3 in. (7.6 cm) or more in
9				diameter at breast height (DBH), regardless of height.
10				Sapling/shrub – Woody plants less than 3 in. DBH
11				and greater than or equal to 3.28 ft (1 m) tall.
12				Herb – All herbaceous (non-woody) plants, regardless
	110	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30)				Woody vines – All woody vines greater than 3.28 ft in
1				height.
2				
3				Hydrophytic Vegetation
4				Present? Yes X No
		=Total Cover		
Remarks: (Include photo numbers here or on a sepa	rate sheet.)			•

Profile Description: (Describe to the	depth needed to doc	ument the in	dicator or c	onfirm the absence o	of indicators.)		
Depth Matrix	Redo	x Features					
(inches) Color (moist) %	Color (moist)	% Тур	be ¹ Loc ²	Texture	Remarks		
0-16 10YR 2/1 92	5YR 3/4	<u>8</u> (<u>PL</u>	Loamy/Clayey	Prominent redox concentrations		
¹ Type: C=Concentration, D=Depletion,	RM=Reduced Matrix. N	//S=Masked §	Gand Grains.	² Location: F	PL=Pore Lining, M=Matrix.		
Hydric Soil Indicators: Histosol (A1) Histic Epipedon (A2) Black Histic (A3) Hydrogen Sulfide (A4) Stratified Layers (A5) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7)	Polyvalue Belc MLRA 149B Thin Dark Surf High Chroma S Loamy Mucky Depleted Matri X Redox Dark Su Depleted Dark Redox Depress Marl (F10) (LR	ace (S9) (LR Sands (S11) (Mineral (F1) Matrix (F2) x (F3) urface (F6) Surface (F7) sions (F8)	R R, MLRA LRR K, L) (LRR K, L)	Indicators f 2 cm Mi Coast P 149B) 5 cm Mi Polyvalu Thin Da Iron-Ma Nesic S Red Pau Very Sh	Tor Problematic Hydric Soils ³ : uck (A10) (LRR K, L, MLRA 149B) Prairie Redox (A16) (LRR K, L, R) ucky Peat or Peat (S3) (LRR K, L, R) ue Below Surface (S8) (LRR K, L) urk Surface (S9) (LRR K, L) nganese Masses (F12) (LRR K, L, R) nt Floodplain Soils (F19) (MLRA 149B) Spodic (TA6) (MLRA 144A, 145, 149B) rent Material (F21) hallow Dark Surface (F22) Explain in Remarks)		
³ Indicators of hydrophytic vegetation an Restrictive Layer (if observed): Type:N/A Depth (inches):	d wetland hydrology mu	ust be presen	t, unless dis	turbed or problematic. Hydric Soil Prese	nt? Yes X No		
Remarks: This data form is revised from Northcer Version 7.0, 2015 Errata. (http://www.n					CS Field Indicators of Hydric Soils,		

Project/Site: Mohaw	/k Solar			City/County: Marshville, Montgome	ery	Sampling Date: 8/1/18
Applicant/Owner:	Avant	grid		State	: NY	Sampling Point: 1Up@wetTT
Investigator(s): SZ, S	SB			Section, Township, Range	: Town c	of Canajoharie
Landform (hillside, ter	rrace, et	tc.): Flat	Local re	elief (concave, convex, none): <u>None</u>	e	Slope %: 0
Subregion (LRR or M	LRA):	LRR R, MLRA 144A	Lat: 42.893973	Long: -74.634788		Datum: NAD 83
Soil Map Unit Name:	Fonda	n mucky silt clay loam		NWI clas	sification	i: N/A
Are climatic / hydrolog	gic conc	litions on the site typica	al for this time of year?	Yes X No	(If no,	explain in Remarks.)
Are Vegetation	, Soil	, or Hydrology	significantly disturb	ed? Are "Normal Circumstar	ices" pre	sent? Yes X No
Are Vegetation	, Soil	, or Hydrology	naturally problemat	ic? (If needed, explain any a	answers	in Remarks.)
SUMMARY OF F	INDIN	IGS – Attach site	map showing samp	oling point locations, trans	ects, ir	nportant features, etc.

Hydrophytic Vegetation Present?	Yes	No X	Is the Sampled Area
Hydric Soil Present?	Yes	No X	within a Wetland? Yes <u>No X</u>
Wetland Hydrology Present?	Yes	No X	If yes, optional Wetland Site ID:
Remarks: (Explain alternative procedure	es here or in a	separate report.)	

Wetland Hydrology Indicators:		<u>Secondary</u>	Indicators (minimu	um of two required)
Primary Indicators (minimum of one is require	red; check all that apply)	Surface	e Soil Cracks (B6)	
Surface Water (A1)	Water-Stained Leaves (B9)	Drainag	ge Patterns (B10)	
High Water Table (A2)	Aquatic Fauna (B13)	Moss T	rim Lines (B16)	
Saturation (A3)	Marl Deposits (B15)	Dry-Se	ason Water Table	(C2)
Water Marks (B1)	Hydrogen Sulfide Odor (C1)	Crayfis	h Burrows (C8)	
Sediment Deposits (B2)	Oxidized Rhizospheres on Living Ro	ts (C3) Saturat	tion Visible on Aeri	ial Imagery (C9)
Drift Deposits (B3)	Presence of Reduced Iron (C4)	Stunted	d or Stressed Plan	ts (D1)
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soils	C6) Geomo	orphic Position (D2	2)
Iron Deposits (B5)	Thin Muck Surface (C7)	Shallov	v Aquitard (D3)	
Inundation Visible on Aerial Imagery (B7	7) Other (Explain in Remarks)	Microto	pographic Relief (D4)
Sparsely Vegetated Concave Surface (E	38)	FAC-N	eutral Test (D5)	
Field Observations:				
Surface Water Present? Yes	No X Depth (inches):			
Water Table Present? Yes	No X Depth (inches):			
Saturation Present? Yes	No X Depth (inches):	Wetland Hydrology	y Present?	Yes No X
(includes capillary fringe)				
Describe Recorded Data (stream gauge, mo	onitoring well, aerial photos, previous inspe	ions), if available:		
Remarks:				

Sampling Point: <u>1Up@wetTT</u>

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. 2.				Number of Dominant Species That Are OBL, FACW, or FAC:0 (A)
3 4				Total Number of Dominant Species Across All Strata: <u>3</u> (B)
5. 6.				Percent of Dominant Species That Are OBL, FACW, or FAC: <u>0.0%</u> (A/B)
7				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15)				OBL species 0 x 1 = 0
1				FACW species 0 x 2 = 0
2.				FAC species 10 x 3 = 30
3				FACU species 80 x 4 = 320
4				UPL species 20 x 5 = 100
5				Column Totals: 110 (A) 450 (B)
6.				Prevalence Index = B/A = 4.09
7.				Hydrophytic Vegetation Indicators:
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5)				2 - Dominance Test is >50%
1. Vicia cracca	20	Yes	UPL	3 - Prevalence Index is ≤3.0 ¹
2. Lotus corniculatus	15	No	FACU	4 - Morphological Adaptations ¹ (Provide supporting
3. Taraxacum officinale	10	No	FACU	data in Remarks or on a separate sheet)
	05	Yes	FACU	Problematic Hydrophytic Vegetation ¹ (Explain)
5. <u>Galium sp.</u>	10	No	FAC	¹ Indicators of hydric soil and wetland hydrology must
6. Dactylis glomerata	20	Yes	FACU	be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8 9				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
10 11				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
12.				Herb – All herbaceous (non-woody) plants, regardless
	110	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size:30) 1.				Woody vines – All woody vines greater than 3.28 ft in height.
2				
3.				Hydrophytic Vegetation
4.				Present? Yes No X
		=Total Cover		
Remarks: (Include photo numbers here or on a sepa				J
	,			

Depth	Matrix			x Featur			onfirm the absence of i	
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-16	10YR 3/2	100					Loamy/Clayey	
¹ Type: C=C	oncentration, D=Dep	letion, RM	I=Reduced Matrix, N	/IS=Mas	ked Sand	l Grains.	² Location: PL=	Pore Lining, M=Matrix.
Hydric Soil	Indicators:						Indicators for	Problematic Hydric Soils ³ :
Histosol	(A1)		Polyvalue Belo	w Surfa	ce (S8) (I	LRR R,	2 cm Mucl	(A10) (LRR K, L, MLRA 149B)
Histic E	pipedon (A2)		MLRA 149B)			Coast Prai	rie Redox (A16) (LRR K, L, R)
Black H	istic (A3)		Thin Dark Surf	ace (S9) (LRR R	, MLRA 1	1 49B) 5 cm Mucł	(y Peat or Peat (S3) (LRR K, L, R)
Hydroge	en Sulfide (A4)		High Chroma	Sands (S	611) (LRF	R K, L)	Polyvalue	Below Surface (S8) (LRR K, L)
	d Layers (A5)		Loamy Mucky	Mineral	(F1) (LRI	R K, L)	Thin Dark	Surface (S9) (LRR K, L)
Deplete	d Below Dark Surface	e (A11)	Loamy Gleyed	Matrix (F2)		Iron-Mang	anese Masses (F12) (LRR K, L, R)
	ark Surface (A12)		Depleted Matri					Floodplain Soils (F19) (MLRA 149B)
	/lucky Mineral (S1)		Redox Dark Su	•	,			dic (TA6) (MLRA 144A, 145, 149B)
	Gleyed Matrix (S4)		Depleted Dark					nt Material (F21)
	Redox (S5)		Redox Depres	•	8)			ow Dark Surface (F22)
	Matrix (S6)		Marl (F10) (LR	R K, L)			Other (Exp	olain in Remarks)
Dark Su	rface (S7)							
3								
			etland hydrology m	ust be pi	resent, ur	iless dist	urbed or problematic.	
_	Layer (if observed):							
Туре:	N/#	٩						
Depth (i	nches):						Hydric Soil Present	? Yes <u>No X</u>
Remarks:							-	
								Field Indicators of Hydric Soils,
Version 7.0,	2015 Errata. (http://v	ww.nrcs.	usda.gov/Internet/F	SE_DOU	JUMENT	S/nrcs14	2p2_051293.docx)	

Project/Site: Mohaw	/k Solar					City/County: Mon	ntgor	mery County		Sampling Date	: 5/2	5/2018
Applicant/Owner:	Mohawk Sol	ar LLC						State:	NY	Sampling Po	vint: 1	Wet@WetU
Investigator(s): John	Wojicikiewicz	z, Shelby Zemker	1			Section,	Тои	vnship, Range:	Town of	f Canajoharie ar	id Ming	den
Landform (hillside, ter	race, etc.):	Gentle Slope			Local r	elief (concave, co	nve	x, none): <u>Conca</u>	ave	Slo	ope %:	1-2
Subregion (LRR or ML	LRA): LRR	L	Lat:	42.880017		Lor	ng:	-74.606495		Datum	WC	GS84
Soil Map Unit Name:	Madalin silty	clay loam						NWI class	ification	: PSS		
Are climatic / hydrolog	gic conditions	on the site typica	al for	this time of y	year?	Yes	Х	No	(If no,	explain in Rema	ırks.)	
Are Vegetation	, Soil	, or Hydrology		significantly	/ disturb	ed? Are "N	lorm	al Circumstanc	es" pres	sent? Yes X	<u> </u>)
Are Vegetation	, Soil	, or Hydrology		naturally pro	oblemat	ic? (If nee	eded	, explain any ar	nswers i	n Remarks.)		
SUMMARY OF F	INDINGS -	- Attach site	map	showing	ı samp	oling point loo	cati	ions, transe	cts, in	nportant fea	tures	, etc.
Hydrophytic Vegetati	ion Present?	Yes	х	No		Is the Sampled	d Ar	ea				
Hydric Soil Present?		Yes	Х	No		within a Wetla	nd?	Yes	5 X	No		
Wetland Hydrology F	Present?	Yes	Х	No		lf yes, optional	Wet	tland Site ID:				
Remarks: (Explain a	alternative pro	cedures here or i	in a s	eparate repo	ort.)							

Wetland Hydrology Indicators:			Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is require	ed; check all that apply)		Surface Soil Cracks (B6)
X Surface Water (A1)	Water-Stained Leaves (B9)		Drainage Patterns (B10)
X High Water Table (A2)	Aquatic Fauna (B13)		Moss Trim Lines (B16)
X Saturation (A3)	Marl Deposits (B15)		Dry-Season Water Table (C2)
Water Marks (B1)	Hydrogen Sulfide Odor (C1)		Crayfish Burrows (C8)
Sediment Deposits (B2)	Oxidized Rhizospheres on Living Ro	oots (C3)	Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3)	Presence of Reduced Iron (C4)		Stunted or Stressed Plants (D1)
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soils	s (C6)	Geomorphic Position (D2)
Iron Deposits (B5)	Thin Muck Surface (C7)		Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7)	Other (Explain in Remarks)		Microtopographic Relief (D4)
Sparsely Vegetated Concave Surface (B	8)		X FAC-Neutral Test (D5)
Field Observations:			
Surface Water Present? Yes X	No Depth (inches): 1		
Water Table Present? Yes X	No Depth (inches): 0		
Saturation Present? Yes X	No Depth (inches): 0	Wetlan	d Hydrology Present? Yes X No
Saturation Present? Yes X (includes capillary fringe)	No Depth (inches): 0	Wetlan	d Hydrology Present? Yes X No
(includes capillary fringe)			
(includes capillary fringe)			
(includes capillary fringe)			
(includes capillary fringe) Describe Recorded Data (stream gauge, mor			
(includes capillary fringe) Describe Recorded Data (stream gauge, mor			
(includes capillary fringe) Describe Recorded Data (stream gauge, mor			
(includes capillary fringe) Describe Recorded Data (stream gauge, mor			
(includes capillary fringe) Describe Recorded Data (stream gauge, mor			
(includes capillary fringe) Describe Recorded Data (stream gauge, mor			
(includes capillary fringe) Describe Recorded Data (stream gauge, mor			
(includes capillary fringe) Describe Recorded Data (stream gauge, mor			

Sampling Point: 1Wet@WetU

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:		
1. Acer rubrum	10	Yes	FAC	Number of Dominant Species		
2. Salix nigra	10	Yes	OBL	That Are OBL, FACW, or FAC:	7	(A)
3 4		·		Total Number of Dominant Species Across All Strata:	7	(B)
5 6		·		Percent of Dominant Species That Are OBL, FACW, or FAC:	100.0%	_(A/B)
7		·		Prevalence Index worksheet:		
	20	=Total Cover		Total % Cover of:	Multiply by:	
Sapling/Shrub Stratum (Plot size: 15	_)			OBL species 10 x 1		
1. Cornus racemosa	25	Yes	FAC	FACW species 75 x 2		
2. Viburnum dentatum		Yes	FAC	FAC species 80 x 3		
3. Viburnum lentago	20	Yes	FAC	FACU species 5 x 4		
4. Cornus amomum		<u>No</u>	FACW	UPL species 0 x 5		
5. Salix sp.		<u>No</u>	FACW	Column Totals: 170 (A)		(B)
6. Lonicera morrowii	5	No	FACU	Prevalence Index = B/A =	2.47	
7		-Tatal Causa		Hydrophytic Vegetation Indicato		
Llorb Stratum (Distaire) 5	95	=Total Cover		1 - Rapid Test for Hydrophytic	vegetation	
Herb Stratum (Plot size: 5)	20	Vaa		X 2 - Dominance Test is >50%		
Onoclea sensibilis Phalaris arundinacea	20	Yes	FACW	X 3 - Prevalence Index is ≤3.0 ¹ 4 - Morphological Adaptations	¹ (Provide cu	nnortin
 <u>Phalaris arundinacea</u> Carex bromoides 	10	Yes No	FACW FACW	data in Remarks or on a se		•••
4. Equisetum arvense	5	 No	FAC	Problematic Hydrophytic Vege	tation ¹ (Eval	ain)
5.			TAC			ann)
6.				¹ Indicators of hydric soil and wetlan be present, unless disturbed or pro-		must
7		·		Definitions of Vegetation Strata:		
8.				_		
9.		·		Tree – Woody plants 3 in. (7.6 cm diameter at breast height (DBH), re		height.
10 11		·		Sapling/shrub – Woody plants les and greater than or equal to 3.28 ft		DBH
12	55	=Total Cover		Herb – All herbaceous (non-wood) of size, and woody plants less thar		ardless
Woody Vine Stratum (Plot size: 30	_)	•		Woody vines – All woody vines gr		.28 ft ir
		·		height.		
1				Hydrophytic		
2.						
23				Vegetation		
2.		=Total Cover		-	No	

SOIL

Profile Desc	ription: (Describe	to the de	pth needed to doci	ument th	ne indica	ator or c	onfirm the absence o	of indicators.)
Depth Matrix Redox Features								
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-8	10YR 5/1	80	7.5YR 5/6	20	С	М	Loamy/Clayey	Clay Silt Loam
8-16	10YR 4/1	70	7.5YR 5/6	30	С	М	Loamy/Clayey	Clay Silt Loam
1								
	oncentration, D=Dep	letion, RN	I=Reduced Matrix, N	/IS=Masl	ked Sand	d Grains.		PL=Pore Lining, M=Matrix.
Hydric Soil			Debuselus Dela					or Problematic Hydric Soils ³ :
Histosol			Polyvalue Belo		ce (58) (I	LRR R,		uck (A10) (LRR K, L, MLRA 149B)
	bipedon (A2)		MLRA 149B	,				Prairie Redox (A16) (LRR K, L, R)
Black Hi			Thin Dark Surf	• • •	•			ucky Peat or Peat (S3) (LRR K, L, R)
	n Sulfide (A4) I Layers (A5)		High Chroma S					ue Below Surface (S8) (LRR K, L)
	Below Dark Surface	~ (11)	Loamy Mucky Loamy Gleyed			κ κ , ι)		rk Surface (S9) (LRR K, L) nganese Masses (F12) (LRR K, L, R)
	ark Surface (A12)	= (ATT)	X Depleted Matri		rz)			nt Floodplain Soils (F19) (MLRA 149B)
	lucky Mineral (S1)		Redox Dark Su		6)			podic (TA6) (MLRA 144A, 145, 149B)
	ileyed Matrix (S4)		Depleted Dark	`	,			rent Material (F21)
	edox (S5)		Redox Depress		. ,			allow Dark Surface (F22)
	Matrix (S6)		Marl (F10) (LR	-	5)			Explain in Remarks)
	face (S7)			, L)				
³ Indicators of	f hvdrophvtic vegetat	ion and w	etland hvdrologv mu	ust be pr	esent. ur	nless dist	urbed or problematic.	
	ayer (if observed):		, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		,			
Type:	N/A	4						
Depth (ir	nches):						Hydric Soil Prese	nt? Yes <u>X</u> No
Remarks:								
								CS Field Indicators of Hydric Soils,
Version 7.0,	2015 Errata. (http://v	ww.nrcs.	usda.gov/Internet/F	SE_DOC	UMENT	S/nrcs14	2p2_051293.docx)	

Project/Site: Mohaw	k Solar			City/County: Montgo	mery County		Sampling Date:	5/25/2018
Applicant/Owner:	Mohawk Sola	ar LLC			State:	NY	Sampling Point	t: <u>1Up@WetU</u>
Investigator(s): John	Wojicikiewicz	, Shelby Zemken		Section, To	wnship, Range: ⁻	Town of C	Canajoharie and	Minden
Landform (hillside, ter	race, etc.):	Gentle sloping	Local re	elief (concave, conve	x, none): <u>Conve</u>	х	Slope	e %: <u>1-2</u>
Subregion (LRR or ML	.RA): LRR L	. La	t: 42.880021	Long:	-74.606312		Datum:	WGS84
Soil Map Unit Name:	Madalin silty	clay loam			NWI classi	fication:	N/A	
Are climatic / hydrolog	ic conditions	on the site typical f	or this time of year?	Yes X	No	(If no, ex	kplain in Remark	s.)
Are Vegetation	, Soil	, or Hydrology	significantly disturb	ed? Are "Norn	nal Circumstance	es" prese	nt? Yes <u>X</u>	No
Are Vegetation	, Soil	, or Hydrology	naturally problemat	ic? (If needed	l, explain any an	swers in I	Remarks.)	
SUMMARY OF F	INDINGS –	Attach site ma	ap showing samp	oling point locat	ions, transe	cts, imp	oortant featu	res, etc.

Hydrophytic Vegetation Present?	Yes X	No	Is the Sampled Area within a Wetland? Yes No X If yes, optional Wetland Site ID:				
Hydric Soil Present?	Yes	NoX					
Wetland Hydrology Present?	Yes	NoX					
Remarks: (Explain alternative procedures here or in a separate report.)							

Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)	
Primary Indicators (minimum of one is require	Surface Soil Cracks (B6)	
Surface Water (A1)	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)	Oxidized Rhizospheres on Living Ro	oots (C3) Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3)	Presence of Reduced Iron (C4)	Stunted or Stressed Plants (D1)
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soils	ls (C6) Geomorphic Position (D2)
Iron Deposits (B5)	Thin Muck Surface (C7)	Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7)	Other (Explain in Remarks)	Microtopographic Relief (D4)
Sparsely Vegetated Concave Surface (B8	8)	FAC-Neutral Test (D5)
Field Observations:		
Surface Water Present? Yes	No X Depth (inches):	
Water Table Present? Yes	No X Depth (inches):	
Saturation Present? Yes	No X Depth (inches):	Wetland Hydrology Present? Yes No X
(includes capillary fringe)		
Describe Recorded Data (stream gauge, mon	nitoring well, aerial photos, previous inspec	ections), if available:
Remarks:		

Sampling Point: 1Up@WetU

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. 2.				Number of Dominant Species That Are OBL, FACW, or FAC:2 (A)
3 4				Total Number of Dominant Species Across All Strata: <u>2</u> (B)
5. 6.				Percent of Dominant Species That Are OBL, FACW, or FAC:100.0% (A/B)
7				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 30)				OBL species 0 x 1 = 0
1. Cornus racemosa	55	Yes	FAC	FACW species 0 x 2 = 0
2. Viburnum dentatum	15	No	FAC	FAC species 130 x 3 = 390
3. Viburnum lentago	10	No	FAC	FACU species 10 x 4 = 40
4. Lonicera morrowii	10	No	FACU	UPL species 0 x 5 = 0
5				Column Totals: 140 (A) 430 (B)
6				Prevalence Index = B/A = 3.07
7				Hydrophytic Vegetation Indicators:
	90	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 30)				X 2 - Dominance Test is >50%
1. Solidago sp.	45	Yes	FAC	3 - Prevalence Index is ≤3.0 ¹
2. Rubus sp.	5	No	FAC	4 - Morphological Adaptations ¹ (Provide supporting
3.				data in Remarks or on a separate sheet)
1				Problematic Hydrophytic Vegetation ¹ (Explain)
5.				
6				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8				_
9.				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
10 11				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
12	50	=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size:30) 1.				Woody vines – All woody vines greater than 3.28 ft in height.
2.				
3.				Hydrophytic
				Vegetation Present? Yes X No
4		=Total Cover		
Remarks: (Include photo numbers here or on a sepa				
Solidago Sp to early to identify				

Depth	Matrix			x Featu								
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks				
0-16	10YR 5/3	100					Loamy/Clayey	Clay Silt Loam				
	·											
4												
	oncentration, D=Dep	letion, RM	1=Reduced Matrix, N	//S=Mas	ked Sand	d Grains.		Pore Lining, M=Matrix.				
Hydric Soil			Daharaha Dah	0.6				Problematic Hydric Soils ³ :				
Histosol			Polyvalue Belo		ice (S8) (LRR R,		(A10) (LRR K, L, MLRA 149B)				
	pipedon (A2)		MLRA 149B	,				rie Redox (A16) (LRR K, L, R)				
	istic (A3)		Thin Dark Surf					ky Peat or Peat (S3) (LRR K, L ,				
	en Sulfide (A4)		High Chroma	-				Below Surface (S8) (LRR K, L)				
	d Layers (A5) d Below Dark Surface	~ (\ 1 1)	Loamy Mucky			κ κ , ι)		Surface (S9) (LRR K, L)				
	ark Surface (A12)	e (ATT)	Loamy Gleyed Depleted Matri		(FZ)			anese Masses (F12) (LRR K, L, Floodplain Soils (F19) (MLRA 1 4				
	/ucky Mineral (S1)		Redox Dark Si		-6)			dic (TA6) (MLRA 144A, 145, 14				
	Gleyed Matrix (S4)		Depleted Dark	-				it Material (F21)				
	Redox (S5)		Redox Depres					ow Dark Surface (F22)				
	Matrix (S6)		Marl (F10) (LR		0)			plain in Remarks)				
	rface (S7)			, _/			0					
³ Indicators o	f hydrophytic vegetat	ion and w	etland hydrology m	ust be p	resent, ui	nless dist	urbed or problematic.					
	Layer (if observed):		, ,,				·					
Type:	N/A	4										
Depth (i	nches):						Hydric Soil Present	? Yes No X				
	,						,					
Remarks:	rm is revised from No	orthcontrol	l and Northeast Reg	ional Su	Innlemen	t Version	2.0 to include the NRCS	Field Indicators of Hydric Soils,				
	2015 Errata. (http://v											
			Ū	_			,					

Project/Site: Mohawk	Solar				City	/County: Mc	ontgor	mery County	/		Samplin	ng Date:	5/25	/2018
Applicant/Owner:	Mohawk Sola	ar LLC						Sta	ite:	NY	Samp	ling Poin	it: 1W	Vet@WetZ
Investigator(s): John V		Section	n, Tow	/nship, Rang	ge: To	own of (Canajoh	arie and	Minde	en				
Landform (hillside, terra	ace, etc.):	Gentle Slope		Loc	cal relief	(concave, c	onvex	k, none): <u>Co</u>	ncave	e		Slop	e %:	1-2
Subregion (LRR or MLF	RA): <u>LRR L</u>	·	Lat: _	42.87823		Lo	ong:	-74.60743			[Datum:	WG	S84
Soil Map Unit Name: _	Phelps grave	lly loam, 3 to 8 p	ercen	nt slopes				NWI cla	assific	cation:	PEM			
Are climatic / hydrologic	conditions o	on the site typica	I for th	his time of year	r?	Yes	Х	No	(lf no, e	xplain in	n Remark	(s.)	
Are Vegetation,	, Soil	, or Hydrology	:	significantly dis	sturbed?	Are "	Norm	al Circumsta	ances	" prese	ent? Y	es X	No	
Are Vegetation,	, Soil	, or Hydrology		naturally proble	ematic?	(If ne	eded,	, explain any	/ ans	wers in	Remark	.s.)		
SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.														
Hydrophytic Vegetation	n Present?	Yes	х	No	ls	the Sample	ed Ar	ea						
Hydric Soil Present?		Yes	Х	No	w	ithin a Wetl	and?	•	Yes_	Х	No			
Wetland Hydrology Pre	esent?	Yes	Х	No	lf	yes, optiona	l Wet	land Site ID	:					

Remarks: (Explain alternative procedures here or in a separate report.)

Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)	
Primary Indicators (minimum of one is re-	Surface Soil Cracks (B6)	
X Surface Water (A1)	Drainage Patterns (B10)	
X High Water Table (A2)	Aquatic Fauna (B13)	Moss Trim Lines (B16)
X Saturation (A3)	Marl Deposits (B15)	Dry-Season Water Table (C2)
Water Marks (B1)	Hydrogen Sulfide Odor (C1)	Crayfish Burrows (C8)
Sediment Deposits (B2)	Oxidized Rhizospheres on Living Ro	ots (C3) Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3)	Presence 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 Surface (C7)	Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery	(B7) Other (Explain in Remarks)	Microtopographic Relief (D4)
Sparsely Vegetated Concave Surface	ce (B8)	X FAC-Neutral Test (D5)
Field Observations:		
Surface Water Present? Yes X	No Depth (inches): 2	
Water Table Present? Yes X	No Depth (inches): 0	
Saturation Present? Yes X	No Depth (inches): 0	Wetland Hydrology Present? Yes X No
(includes capillary fringe)		
Describe Recorded Data (stream gauge,	monitoring well, aerial photos, previous inspec	tions), if available:
Remarks:		

Sampling Point: 1Wet@WetZ

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. 2.				Number of Dominant Species That Are OBL, FACW, or FAC:2 (A)
3 4				Total Number of Dominant Species Across All Strata: <u>2</u> (B)
5 6				Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100.0%</u> (A/B)
7				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15)				OBL species 35 x 1 = 35
1				FACW species 30 x 2 = 60
2.				FAC species 0 x 3 = 0
3.				FACU species 0 x 4 = 0
4.				UPL species 0 x 5 = 0
5.				Column Totals: 65 (A) 95 (B)
6.				Prevalence Index = $B/A = 1.46$
7.				Hydrophytic Vegetation Indicators:
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5)				X 2 - Dominance Test is >50%
1. Juncus effusus	25	Yes	OBL	X 3 - Prevalence Index is $\leq 3.0^1$
2. Phalaris arundinacea	25	Yes	FACW	4 - Morphological Adaptations ¹ (Provide supporting
3. Carex vulpinoidea	10	No	OBL	data in Remarks or on a separate sheet)
4. Onoclea sensibilis	5	No	FACW	Problematic Hydrophytic Vegetation ¹ (Explain)
5.				
6.				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7.				Definitions of Vegetation Strata:
8.				
9.				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
10.				Sapling/shrub – Woody plants less than 3 in. DBH
11.				and greater than or equal to 3.28 ft (1 m) tall.
12	65	=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30)				
1´				Woody vines – All woody vines greater than 3.28 ft in height.
2				
3				Hydrophytic Vegetation
4				Present? Yes X No
		=Total Cover		
Remarks: (Include photo numbers here or on a sepa Moss was also present	arate sheet.)			

Profile Desc	ription: (Describe	to the d	epth needed to doc	ument tl	he indica	tor or c	onfirm the absence o	f indicators.)		
Depth	Matrix Redox Features									
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks		
0-6	10YR 2/2	100					Mucky Loam/Clay	Mucky Loam, High in Organics		
6-16	10YR 6/1	95	7.5YR 5/6	5	С	М	Loamy/Clayey	Clay Loam		
							·			
							·			
							· ·			
							·			
							·			
		lation D	M=Reduced Matrix, N	18-Maa	kod Sono		² Location: D	2L=Pore Lining, M=Matrix.		
Hydric Soil I				/10-11/185	keu Sano	i Grains.		or Problematic Hydric Soils ³ :		
Histosol			Polyvalue Belo	w Surfa	ce (S8) (I	RRR		uck (A10) (LRR K, L, MLRA 149B)		
	vipedon (A2)		MLRA 149B		00)(00)	,		rairie Redox (A16) (LRR K, L, R)		
Black His			Thin Dark Surf	,		MLRA		ucky Peat or Peat (S3) (LRR K, L, R)		
	n Sulfide (A4)		High Chroma S		-		Polyvalue Below Surface (S8) (LRR K, L)			
	I Layers (A5)		X Loamy Mucky				Thin Dark Surface (S9) (LRR K, L)			
	Below Dark Surface	e (A11)	Loamy Gleyed			, ,	Iron-Manganese Masses (F12) (LRR K, L, R)			
	irk Surface (A12)	· · /	X Depleted Matri		,		Piedmont Floodplain Soils (F12) (MLRA 149B)			
	lucky Mineral (S1)		Redox Dark Su		6)			podic (TA6) (MLRA 144A, 145, 149B)		
	leyed Matrix (S4)		Depleted Dark	Surface	(F7)		Red Parent Material (F21)			
Sandy R	edox (S5)		Redox Depres				Very Shallow Dark Surface (F22)			
Stripped	Matrix (S6)		Marl (F10) (LR	R K, L)			Other (Explain in Remarks)			
Dark Sur	face (S7)									
³ Indicators of	f hydrophytic vegetat	tion and v	wetland hydrology m	ust be pr	resent, ur	nless dis	turbed or problematic.			
Restrictive L	_ayer (if observed):									
Туре:	N//	4								
Depth (ir	nches):						Hydric Soil Preser	nt? Yes <u>X</u> No		
Remarks:							ł			
								CS Field Indicators of Hydric Soils,		
Version 7.0,	2015 Errata. (http://v	www.nrcs	.usda.gov/Internet/F	SE_DOC	CUMENT	S/nrcs14	12p2_051293.docx)			

Project/Site: Mohawk Solar	City/County: Montgomery County Sampling Date: 5/25/2018
Applicant/Owner: Mohawk Solar LLC	State: NY Sampling Point: 1Up@Wetz
Investigator(s): John Wojicikiewicz, Shelby Zemken	Section, Township, Range: Town of Canajoharie and Minden
Landform (hillside, terrace, etc.): Gentle sloping	cal relief (concave, convex, none): <u>Convex</u> Slope %: <u>1-2</u>
Subregion (LRR or MLRA): LRR L Lat: 42.878216	Long: <u>-74.607427</u> Datum: <u>WGS84</u>
Soil Map Unit Name: Phelps gravelly loam, 3 to 8 percent slopes	NWI classification: N/A
Are climatic / hydrologic conditions on the site typical for this time of year	r? Yes X No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrologysignificantly di	sturbed? Are "Normal Circumstances" present? Yes X No
Are Vegetation, Soil, or Hydrologynaturally probl	ematic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing s	ampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes	No X	Is the Sampled Area within a Wetland? Yes No X If yes, optional Wetland Site ID:
Hydric Soil Present?	Yes	No X	
Wetland Hydrology Present?	Yes	No X	
Remarks: (Explain alternative procedu	ires here or in a	separate report.)	

	Secondary Indicators (minimum of two required)		
Primary Indicators (minimum of one is required; check all that apply)			
Surface Water (A1) Water-Stained Leaves (B9)			
Aquatic Fauna (B13)	Moss Trim Lines (B16)		
Marl Deposits (B15)	Dry-Season Water Table (C2)		
Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8)			
Oxidized Rhizospheres on Living Roc	ots (C3) Saturation Visible on Aerial Imagery (C9)		
Presence of Reduced Iron (C4)	Stunted or Stressed Plants (D1)		
Recent Iron Reduction in Tilled Soils	(C6) Geomorphic Position (D2)		
Thin Muck Surface (C7)	Shallow Aquitard (D3)		
) Other (Explain in Remarks)	Microtopographic Relief (D4)		
38)	FAC-Neutral Test (D5)		
No X Depth (inches):			
No X Depth (inches):			
No X Depth (inches):	Wetland Hydrology Present? Yes No X		
nitoring well, aerial photos, previous inspec	tions), if available:		
	Water-Stained Leaves (B9) Aquatic Fauna (B13) Marl Deposits (B15) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres on Living Roc Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils Thin Muck Surface (C7) Other (Explain in Remarks) 88) No X Depth (inches): No X Depth (inches): No X Depth (inches):		

Sampling Point: 1Up@WetZ

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. 2.				Number of Dominant Species That Are OBL, FACW, or FAC:1 (A)
3 4				Total Number of Dominant Species Across All Strata: <u>2</u> (B)
5. 6.				Percent of Dominant Species That Are OBL, FACW, or FAC:50.0% (A/B)
7				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 30)				OBL species 0 x 1 = 0
1				FACW species 0 x 2 = 0
0				FAC species 20 x 3 = 60
				FACU species 35 x 4 = 140
				UPL species $5 \times 5 = 25$
6				Prevalence Index = B/A = <u>3.75</u>
7				Hydrophytic Vegetation Indicators:
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 30)				2 - Dominance Test is >50%
1. Centaurea maculosa	20	Yes	FAC	3 - Prevalence Index is ≤3.0 ¹
2. <u>Poa sp.</u>	15	Yes	FACU	4 - Morphological Adaptations ¹ (Provide supporting
3. Trifolium repens	10	No	FACU	data in Remarks or on a separate sheet)
4. Taraxacum officinale	10	No	FACU	Problematic Hydrophytic Vegetation ¹ (Explain)
5. Vicia cracca	5	No	UPL	¹ Indicators of hydric soil and wetland hydrology must
6.				be present, unless disturbed or problematic.
7.				Definitions of Vegetation Strata:
8.				
9				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
10 11				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
12.				Herb – All herbaceous (non-woody) plants, regardless
	60	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size:30) 1.				Woody vines – All woody vines greater than 3.28 ft in height.
2				
3				Hydrophytic Vegetation
4.				Present? Yes No X
		=Total Cover		
Remarks: (Include photo numbers here or on a sepa	arate sheet.)			
	,			

	Matrix			x Featur				
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-16	10YR 3/2	100					Loamy/Clayey	Silt Loam
								Dark, No Redox
	ncentration, D=Depl	letion, RM	=Reduced Matrix, N	1S=Mas	ked Sand	l Grains.		Pore Lining, M=Matrix.
Hydric Soil In			Debaretue Bele	w Surfa	aa (CO) (I			Problematic Hydric Soils ³ :
Histosol ((A1) ipedon (A2)		Polyvalue Belo MLRA 149B		ce (58) (I	LKK K,		(A10) (LRR K, L, MLRA 149B) ie Redox (A16) (LRR K, L, R)
Black His			Thin Dark Surf	,				y Peat or Peat (S3) (LRR K, L, R)
	n Sulfide (A4)		High Chroma S		-			Below Surface (S8) (LRR K, L)
	Layers (A5)		Loamy Mucky	-				Surface (S9) (LRR K, L)
	Below Dark Surface	e (A11)	Loamy Gleyed			< i, ∟)		nese Masses (F12) (LRR K, L, R
	rk Surface (A12)	5 (711)	Depleted Matri		- 2)			loodplain Soils (F19) (MLRA 149
	ucky Mineral (S1)		Redox Dark Su		6)			lic (TA6) (MLRA 144A, 145, 149E
	eyed Matrix (S4)		Depleted Dark	``	,			Material (F21)
Sandy Re			Redox Depress					w Dark Surface (F22)
	Matrix (S6)		Marl (F10) (LR		0)			ain in Remarks)
Dark Surf				IX IX, E)				
	()							
³ Indicators of	hydrophytic vegetat	ion and w	etland hydrology mι	ıst be pı	resent, ur	nless dist	urbed or problematic.	
_	ayer (if observed):							
Туре:	N/#	4						
Denth (he	ches):						Hydric Soil Present?	Yes NoX
Depth (Inc								

Project/Site: Mohawk Solar		City/County: Montgomery County	Sampling Date: 10/27/17
Applicant/Owner: Mohawk Solar LLC		State:	NY Sampling Point: 2wet@wet0
Investigator(s): John Wojcikiewicz, Shelby Zemk	ən	Section, Township, Range: <u>To</u>	own of Canajoharie and Minden
Landform (hillside, terrace, etc.): Hillslope	Local r	relief (concave, convex, none): <u>None</u>	Slope %: 2
Subregion (LRR or MLRA): LRR L	Lat: <u>42.8873</u>	Long: <u>-74.6536</u>	Datum: WGS84
Soil Map Unit Name: Fonda mucky silty clay loan	n	NWI classific	ation: PFO
Are climatic / hydrologic conditions on the site typ	cal for this time of year?	Yes <u>X</u> No (I	If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology	significantly disturb	ed? Are "Normal Circumstances"	" present? Yes <u>X</u> No
Are Vegetation, Soil, or Hydrology	naturally problemat	tic? (If needed, explain any answ	vers in Remarks.)
SUMMARY OF FINDINGS – Attach site	> map showing sample	pling point locations, transect	s, important features, etc.
Hydrophytic Vegetation Present? Yes	s X No	Is the Sampled Area	
Hydric Soil Present? Yes	s X No	within a Wetland? Yes	X No
Wetland Hydrology Present? Yes	s X No	If yes, optional Wetland Site ID:	
Remarks: (Explain alternative procedures here of	r in a separate report.)		

Wetland Hydrology Indicators:			Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is require	Surface Soil Cracks (B6)		
Surface Water (A1)	Drainage Patterns (B10)		
High Water Table (A2)	Aquatic Fauna (B13)		Moss Trim Lines (B16)
X Saturation (A3)	Marl Deposits (B15)		Dry-Season Water Table (C2)
X Water Marks (B1)	Hydrogen Sulfide Odor (C1)		Crayfish Burrows (C8)
Sediment Deposits (B2)	Oxidized Rhizospheres on Living Ro	oots (C3)	Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3)	Presence of Reduced Iron (C4)		Stunted or Stressed Plants (D1)
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soils	s (C6)	Geomorphic Position (D2)
Iron Deposits (B5)	Thin Muck Surface (C7)		Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7	Other (Explain in Remarks)		Microtopographic Relief (D4)
Sparsely Vegetated Concave Surface (B	8)		FAC-Neutral Test (D5)
Field Observations:			
Surface Water Present? Yes	No X Depth (inches):		
Water Table Present? Yes X	No Depth (inches): 5		
Saturation Present? Yes X	No Depth (inches): 0	Wetlan	d Hydrology Present? Yes X No
(includes capillary fringe)			
Describe Recorded Data (stream gauge, mor	nitoring well, aerial photos, previous inspe	ctions), if	available:
Demonstration			
Remarks:			
Remarks:			
Remarks:			
Kemarks.			
Kemarks.			
Kemarks:			
Kemarks.			
Kemarks.			
Kemarks.			

Sampling Point: 2wet@wetO

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:	
1. Acer rubrum	10	Yes	FAC	Number of Deminerat Creation	
2. Ulmus americana	15	Yes	FACW	Number of Dominant Species That Are OBL, FACW, or FAC:	9 (A)
3 4				Total Number of Dominant Species Across All Strata:	10 (B)
5 6		·		Percent of Dominant Species That Are OBL, FACW, or FAC:90	. <u>0%</u> (A/B)
7				Prevalence Index worksheet:	
	25	=Total Cover			ply by:
Sapling/Shrub Stratum (Plot size: 15)			OBL species <u>10</u> x 1 =	10
1. Cornus amomum	25	Yes	FACW	FACW species 65 x 2 =	130
2. Ilex verticillata	15	Yes	FACW	FAC species x 3 =	135
3. Lonicera morrowii	10	Yes	FACU	FACU species <u>15</u> x 4 =	60
4				UPL species 0 x 5 =	0
5				Column Totals: 135 (A)	335 (B)
6				Prevalence Index = B/A =	2.48
7				Hydrophytic Vegetation Indicators:	
	50	=Total Cover		1 - Rapid Test for Hydrophytic Vege	tation
Herb Stratum (Plot size: 15)		•		X 2 - Dominance Test is >50%	
1. Lycopus americanus	10	Yes	OBL	X 3 - Prevalence Index is $\leq 3.0^1$	
2. Equisetum arvense	10	Yes	FAC	4 - Morphological Adaptations ¹ (Prov	/ide supportin
3. Bryophyta		Yes	FAC	data in Remarks or on a separate	
					1 (F undain)
4. Onoclea sensibilis		Yes	FACW	Problematic Hydrophytic Vegetation	(Explain)
5. Rubus sp.	5	No	FACU	¹ Indicators of hydric soil and wetland hydric soil and wetland hydric soil and wetland hydric solution hydri hydric solution	
6. Carex sp.	15	Yes	FAC	be present, unless disturbed or problema	atic.
7				Definitions of Vegetation Strata:	
8		·		Tree – Woody plants 3 in. (7.6 cm) or m diameter at breast height (DBH), regardl	
10				Sapling/shrub – Woody plants less that and greater than or equal to 3.28 ft (1 m	
12.	60	=Total Cover		Herb – All herbaceous (non-woody) plan of size, and woody plants less than 3.28	
Woody Vine Stratum (Plot size: 30)			Woody vines – All woody vines greater height.	
1.					
12.					
2.		·		Hydrophytic	
2		·		Vegetation	
2.		=Total Cover			

Profile Desc	ription: (Describe t	o the de	oth needed to docu	ument tl	he indica	tor or co	onfirm the absence o	of indicators.)
Depth	Matrix		Redo	x Featur				
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-5	10YR 2/1	100					Loamy/Clayey	Clay Silt Loam
5-16	10YR 5/1	90	7.5YR 5/6	10	С	Μ	Loamy/Clayey	Clay Silt Loam
								Water table between 5-10"
			<u> </u>					
1								
	ncentration, D=Deple	etion, RM	=Reduced Matrix, N	/IS=Mas	ked Sand	Grains.		PL=Pore Lining, M=Matrix. or Problematic Hydric Soils ³ :
Hydric Soil I Histosol (Polyvalue Belo	w Surfa	ce (S8) (I	RR R		uck (A10) (LRR K, L, MLRA 149B)
	ipedon (A2)		MLRA 149B			,		rairie Redox (A16) (LRR K, L, R)
Black His			Thin Dark Surf	, ,) (LRR R	MLRA 1		ucky Peat or Peat (S3) (LRR K, L, R)
	n Sulfide (A4)		High Chroma S					ie Below Surface (S8) (LRR K, L)
Stratified	Layers (A5)		Loamy Mucky	Mineral	(F1) (LR	R K, L)	Thin Da	rk Surface (S9) (LRR K, L)
X Depleted	Below Dark Surface	(A11)	Loamy Gleyed	Matrix (F2)		Iron-Ma	nganese Masses (F12) (LRR K, L, R)
Thick Da	rk Surface (A12)		X Depleted Matri	x (F3)			Piedmoi	nt Floodplain Soils (F19) (MLRA 149B)
Sandy M	ucky Mineral (S1)		Redox Dark Su	urface (F	6)		Mesic S	podic (TA6) (MLRA 144A, 145, 149B)
	eyed Matrix (S4)		Depleted Dark	Surface	(F7)			ent Material (F21)
Sandy Re	edox (S5)		Redox Depress	,	B)			allow Dark Surface (F22)
	Matrix (S6)		Marl (F10) (LR	R K, L)			Other (E	Explain in Remarks)
Dark Sur	face (S7)							
³ Indicators of	hydrophytic ycartati	on and w	otland bydralagy my	ist ha ni	ocont ur	loop diat	urbed or problematic.	
	ayer (if observed):		etianu nyurology mu	isi be pi	esent, ui			
Type:	N/A							
Depth (in	ches):						Hydric Soil Prese	nt? Yes <u>X</u> No
Remarks:								
	n is revised from Nor 2015 Errata. (http://w							CS Field Indicators of Hydric Soils,
			C C	_			,	

Project/Site: Mohawk	Solar	City/Co	unty: Montgor	nery County		Sampling Date:	10/27/17
Applicant/Owner:	Mohawk Solar LLC			State:	NY	Sampling Point	2Up@WetO
Investigator(s): John	Wojcikiewicz, Shelby Zemken		Section, Tow	/nship, Range:	Town of	Canajoharie and M	<i>l</i> inden
Landform (hillside, terr	ace, etc.): <u>Hillslope</u>	Local relief (co	ncave, conve	(, none): <u>None</u>		Slope	%: <u>2-3</u>
Subregion (LRR or ML	RA): LRR L	Lat: 42.8871	Long:	-74.654		Datum:	WGS84
Soil Map Unit Name:	Fonda mucky silty clay loam			NWI classi	fication:	N/A	
Are climatic / hydrologi	c conditions on the site typica	al for this time of year?	Yes X	No	(If no, e	explain in Remarks	s.)
Are Vegetation	, Soil, or Hydrology _	significantly disturbed?	Are "Norm	al Circumstance	es" pres	ent? Yes X	No
Are Vegetation	, Soil, or Hydrology _	naturally problematic?	(If needed	, explain any an	nswers ir	Remarks.)	
SUMMARY OF FI	NDINGS – Attach site	map showing sampling	ooint locati	ons, transe	cts, im	portant featur	res, etc.

Hydrophytic Vegetation Present?	Yes	No X	Is the Sampled Area within a Wetland? Yes No X If yes, optional Wetland Site ID:
Hydric Soil Present?	Yes	No X	
Wetland Hydrology Present?	Yes	No X	
Remarks: (Explain alternative procedu	ires here or in a	separate report.)	

Wetland Hydrology Indicat	ors:				Secondary Indicators (mir	nimum of two required)		
Primary Indicators (minimum	n of one is require	ed; check all	that apply)		Surface Soil Cracks (Surface Soil Cracks (B6)		
Surface Water (A1)		Water-	Stained Leaves (B9)		Drainage Patterns (B	10)		
High Water Table (A2)		Aquatio	c Fauna (B13)		Moss Trim Lines (B16)			
Saturation (A3)		Marl Deposits (B15)			Dry-Season Water Ta	able (C2)		
Water Marks (B1)		Hydrog	gen Sulfide Odor (C1)		Crayfish Burrows (C8)		
Sediment Deposits (B2)		Oxidized Rhizospheres on Living Roots (C3)			Saturation Visible on	Aerial Imagery (C9)		
Drift Deposits (B3)		Presen	nce of Reduced Iron (C4)		Stunted or Stressed F	Plants (D1)		
Algal Mat or Crust (B4)		Recent Iron Reduction in Tilled Soils (C6)			Geomorphic Position	(D2)		
Iron Deposits (B5)		Thin Muck Surface (C7)			Shallow Aquitard (D3))		
Inundation Visible on Ae	on Visible on Aerial Imagery (B7) Other (Explain in Remarks)				Microtopographic Reli	ief (D4)		
Sparsely Vegetated Con	icave Surface (B	8)			FAC-Neutral Test (D5	5)		
Field Observations:								
Surface Water Present?	Yes	No X	Depth (inches):					
Water Table Present?	Yes	No X	Depth (inches):					
Saturation Present?	Yes	No X	Depth (inches):	Wetlar	nd Hydrology Present?	Yes No X		
(includes capillary fringe)								
Describe Recorded Data (str	ream gauge, mor	nitoring well,	aerial photos, previous insp	ections), if	available:			
Remarks:								

Sampling Point: 2Up@WetO

	Absolute	Dominant	Indicator					
Tree Stratum (Plot size: 30)	% Cover	Species?	Status	Dominance Test worksheet:				
1. Quercus rubra	10	Yes	FACU	Number of Dominant Species				
2. Ulmus americana	5	Yes	FACW	That Are OBL, FACW, or FAC:3 (A)				
3.				Total Number of Dominant				
4.				Species Across All Strata: 6 (B)				
5.								
6.	_			Percent of Dominant Species That Are OBL, FACW, or FAC: 50.0% (A/B				
7				Prevalence Index worksheet:				
1.		=Total Cover		Total % Cover of: Multiply by:				
Sapling/Shrub Stratum (Plot size: 15)			$\begin{array}{c} \hline \hline \\ $				
	_)	Vaa	FAC	· <u> </u>				
1. Cornus racemosa	<u>30</u> 5	Yes	FAC	FACW species10 $x 2 =$ 20FAC species45 $x 2 =$ 45				
2. Lonicera morrowii		No	FACU	FAC species <u>45</u> x 3 = <u>135</u>				
3. Acer saccharinum	5	No	FACW	FACU species <u>50</u> x 4 = <u>200</u>				
4.				UPL species 0 x 5 = 0				
5.				Column Totals: 105 (A) 355 (B				
6				Prevalence Index = B/A =3.38				
7				Hydrophytic Vegetation Indicators:				
	40	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation				
Herb Stratum (Plot size: 15)				2 - Dominance Test is >50%				
1. Solidago sp.	25	Yes	FACU	3 - Prevalence Index is $≤3.0^1$				
2. Equisetum arvense	10	Yes	FAC	4 - Morphological Adaptations ¹ (Provide supporting				
3. Rubus sp.	10	Yes	FACU	data in Remarks or on a separate sheet)				
4. Carex sp.	E	No	FAC	Problematic Hydrophytic Vegetation ¹ (Explain)				
5.				¹ Indicators of hydric soil and wetland hydrology must				
6.				be present, unless disturbed or problematic.				
7.				Definitions of Vegetation Strata:				
8.								
9.				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height				
10.								
11				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.				
12				Herb – All herbaceous (non-woody) plants, regardles				
	50	=Total Cover		of size, and woody plants less than 3.28 ft tall.				
Woody Vine Stratum (Plot size: 30	_)			Woody vines – All woody vines greater than 3.28 ft i				
1				height.				
2				Hydrophytic				
3				Vegetation				
				Present? Yes No X				
4		=Total Cover						

Profile Desc	ription: (Describe	to the de	pth needed to doc	ument t	he indica	ator or co	onfirm the absence of ind	icators.)
Depth	Matrix		Redo	x Featur	res			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-10	10YR 2/2	100					Loamy/Clayey	Silt Loam
10-14	10YR 5/4	95	7.5YR 5/6	5	С	М	Loamy/Clayey	Silt Loam
1 Type: C=Cc	ncentration, D=Dep	letion RM	I=Reduced Matrix	 AS=Mas	ked Sand	Grains	² Location: PL=Pr	ore Lining, M=Matrix.
Hydric Soil I				10-11103	Keu Oan			oblematic Hydric Soils ³ :
Histosol			Polyvalue Belo	w Surfa	ce (S8) (LRR R.		(10) (LRR K, L, MLRA 149B)
	ipedon (A2)		MLRA 149B		() (,		Redox (A16) (LRR K, L, R)
Black His			Thin Dark Surf	,) (LRR R	, MLRA 1		Peat or Peat (S3) (LRR K, L, R)
	n Sulfide (A4)		High Chroma					low Surface (S8) (LRR K, L)
	Layers (A5)		Loamy Mucky	-				rface (S9) (LRR K, L)
Depleted	Below Dark Surface	e (A11)	Loamy Gleyed	Matrix (F2)		Iron-Mangane	ese Masses (F12) (LRR K, L, R)
Thick Da	rk Surface (A12)		Depleted Matri	x (F3)			Piedmont Flo	odplain Soils (F19) (MLRA 149B)
Sandy M	ucky Mineral (S1)		Redox Dark Su	urface (F	-6)		Mesic Spodic	(TA6) (MLRA 144A, 145, 149B)
Sandy G	leyed Matrix (S4)		Depleted Dark	Surface	e (F7)		Red Parent M	laterial (F21)
Sandy R	edox (S5)		Redox Depres	sions (F	8)		Very Shallow	Dark Surface (F22)
Stripped	Matrix (S6)		Marl (F10) (LR	R K, L)			Other (Explai	n in Remarks)
Dark Sur	face (S7)							
			etland hydrology mu	ust be pi	resent, u	nless dist	urbed or problematic.	
_	ayer (if observed):							
Туре:	N//	۹						
Depth (in	iches):						Hydric Soil Present?	Yes <u>No X</u>
Remarks:							-	
			0					eld Indicators of Hydric Soils,
Version 7.0, 2	2015 Errata. (http://v	www.nrcs.	usda.gov/Internet/F	SE_DOO	CUMENT	S/nrcs14	2p2_051293.docx)	

Project/Site: Mohaw	k Solar				City/County: Montgo	mery County	Sar	mpling Date:	5/24/2	2018
Applicant/Owner:	Mohawk Sol	lar LLC				State:	NY S	Sampling Poin	it: 2We	et@WetT
Investigator(s): John	Wojicikiewicz	z, Shelby Zemker	1		Section, To	wnship, Range: <u>T</u>	own of Car	najoharie and	Minder	n
Landform (hillside, ter	race, etc.):	Gently Sloping		Local re	elief (concave, conve	ex, none): <u>Conca</u>	/e	Slop	e %:	1-2
Subregion (LRR or MI	LRA): LRR	L	Lat:	42.881646	Long:	-74.613328		Datum:	WGS	84
Soil Map Unit Name:	Rhinebeck s	silty clay loam, 0 t	to 3 pe	ercent slopes		NWI classif	ication: <u>PF</u>	-0		
Are climatic / hydrolog	jic conditions	on the site typica	al for t	his time of year?	Yes X	No	(If no, expla	ain in Remark	<s.)< td=""><td></td></s.)<>	
Are Vegetation	, Soil	, or Hydrology		significantly disturb	ed? Are "Norr	nal Circumstance	s" present?	Yes X	No	
Are Vegetation	, Soil	, or Hydrology		naturally problemat	tic? (If neede	d, explain any ans	swers in Re	marks.)		
SUMMARY OF F	INDINGS -	- Attach site	map	showing samp	oling point locat	ions, transed	ts, impo:	rtant featu	ıres, e	etc.
Hydrophytic Vegetati	ion Present?	Yes	х	No	Is the Sampled A	rea				
Hydric Soil Present?		Yes	Х	No	within a Wetland	? Yes	<u> </u>	o		
Wetland Hydrology F	resent?	Yes	Х	No	If yes, optional We	etland Site ID:	-	_		

Remarks: (Explain alternative procedures here or in a separate report.)

Wetland Hydrology Indicat	ors:				Secondary Indicators (minimum of two required)				
Primary Indicators (minimum	n of one is require	Surface Soil Cracks (B6)							
X Surface Water (A1)		X Water-	Stained Leaves (B9)		Drainage Patterns (B10)	Drainage Patterns (B10)			
X High Water Table (A2)		Aquatio	c Fauna (B13)		Moss Trim Lines (B16)				
X Saturation (A3)		Marl D	eposits (B15)		Dry-Season Water Table (C2)				
Water Marks (B1)		Hydrog	en Sulfide Odor (C1)		Crayfish Burrows (C8)				
Sediment Deposits (B2)		Oxidize	ed Rhizospheres on Living Ro	oots (C3)	Saturation Visible on Aerial Imagery (C9)				
Drift Deposits (B3)		Preser	ice of Reduced Iron (C4)		Stunted or Stressed Plants (D1)				
Algal Mat or Crust (B4)		Recent	Iron Reduction in Tilled Soils	s (C6)	Geomorphic Position (D2)				
Iron Deposits (B5)		Thin M	uck Surface (C7)		Shallow Aquitard (D3)				
Inundation Visible on Ae	rial Imagery (B7))Other (Explain in Remarks)		Microtopographic Relief (D4)				
Sparsely Vegetated Cor	icave Surface (B	8)			X FAC-Neutral Test (D5)				
Field Observations:									
Surface Water Present?	Yes	No X	Depth (inches):						
Water Table Present?	Yes	No X	Depth (inches):						
Saturation Present?	Yes	No X	Depth (inches):	Wetlan	nd Hydrology Present? Yes X No				
(includes capillary fringe)									
Describe Recorded Data (st	ream gauge, mor	nitoring well,	aerial photos, previous inspe	ctions), if a	available:				
Remarks:									

Sampling Point: 2Wet@WetT

	Absolute	Dominant	Indicator	
Tree Stratum (Plot size: 30)	% Cover	Species?	Status	Dominance Test worksheet:
1. Acer rubrum	40	Yes	FAC	Number of Dominant Species
2. Quercus bicolor	20	Yes	FACW	That Are OBL, FACW, or FAC: 8 (A)
3. Populus tremuloides	5	No	FACU	Total Number of Dominant
4. Fraxinus pennsylvanica	5	No	FACW	Species Across All Strata: 10 (B)
5				Percent of Dominant Species
6				That Are OBL, FACW, or FAC: 80.0% (A/B)
7				Prevalence Index worksheet:
	70	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15)				OBL species 0 x 1 = 0
1. Acer rubrum	5	Yes	FAC	FACW species 40 x 2 = 80
2. Populus tremuloides	5	Yes	FACU	FAC species 55 x 3 = 165
3.				FACU species 10 x 4 = 40
4.				UPL species 5 x 5 = 25
5.				Column Totals: 110 (A) 310 (B)
6				Prevalence Index = B/A = 2.82
7.				Hydrophytic Vegetation Indicators:
··	10	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
<u>Herb Stratum</u> (Plot size: 5)	10			X 2 - Dominance Test is >50%
,	F	Vaa		X 3 - Prevalence Index is $\leq 3.0^{1}$
1. Onoclea sensibilis	5	Yes	FACW	
2. Equisetum sp.	5	Yes	FAC	4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
3. Carex bromoides	5	Yes	FACW	
4. Carex sp.	5	Yes	FAC	Problematic Hydrophytic Vegetation ¹ (Explain)
5. Rubus hispidoides	5	Yes	FACW	¹ Indicators of hydric soil and wetland hydrology must
6. Sphagnum compactum	5	Yes	UPL	be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8				Tree – Woody plants 3 in. (7.6 cm) or more in
9				diameter at breast height (DBH), regardless of height.
10				Sapling/shrub – Woody plants less than 3 in. DBH
11				and greater than or equal to 3.28 ft (1 m) tall.
12				Herb – All herbaceous (non-woody) plants, regardless
	30	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30)				Woody vines – All woody vines greater than 3.28 ft in
1				height.
2.				
3.				Hydrophytic Vegetation
4.				Present? Yes X No
		=Total Cover		
Remarks: (Include photo numbers here or on a sepa	rate sheet.)			
	,			

Profile Desc	ription: (Describe	to the de	oth needed to doc	ument t	he indica	ator or co	onfirm the absence of	f indicators.)
Depth	Matrix			x Featur				
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-1	10YR 2/1	100					Loamy/Clayey	Organic layer
1-8	10YR 5/1	95	7.5YR 5/6	5	С	М	Loamy/Clayey	Clay Silt Loam
8-16	10YR 5/1	90	7.5YR 5/6	10	С	М	Loamy/Clayey	Clay Silt Loam
								Prominent redox concentrations
¹ Type: C=Co	oncentration, D=Dep	letion, RM	=Reduced Matrix, N	/IS=Mas	ked Sand	d Grains.	² Location: Pl	L=Pore Lining, M=Matrix.
Hydric Soil I	ndicators:						Indicators for	or Problematic Hydric Soils ³ :
Histosol			Polyvalue Belo		ce (S8) (LRR R,		ick (A10) (LRR K, L, MLRA 149B)
	vipedon (A2)		MLRA 149B Thin Dark Surf	,				rairie Redox (A16) (LRR K, L, R)
Black His	n Sulfide (A4)		High Chroma S					icky Peat or Peat (S3) (LRR K, L, R) e Below Surface (S8) (LRR K, L)
	I Layers (A5)		Loamy Mucky					k Surface (S9) (LRR K, L)
	Below Dark Surface	e (A11)	Loamy Gleyed			, _/		nganese Masses (F12) (LRR K, L, R)
	irk Surface (A12)	、	X Depleted Matri		,			nt Floodplain Soils (F19) (MLRA 149B)
Sandy M	lucky Mineral (S1)		Redox Dark Su	urface (F	⁻ 6)		Mesic Sp	podic (TA6) (MLRA 144A, 145, 149B)
Sandy G	leyed Matrix (S4)		Depleted Dark	Surface	e (F7)		Red Pare	ent Material (F21)
Sandy R	edox (S5)		Redox Depres	sions (F	8)		Very Sha	allow Dark Surface (F22)
	Matrix (S6)		X Marl (F10) (LR	R K, L)			Other (E	xplain in Remarks)
Dark Sur	face (S7)							
³ Indicators of	hydrophytic vegetat	tion and w	etland hydrology mu	ust be pr	resent, ui	nless dist	urbed or problematic.	
Restrictive L	_ayer (if observed):							
Type:	N//	4						
Depth (ir	nches):						Hydric Soil Presen	nt? Yes <u>X</u> No
Remarks:								
	m is revised from Nc 2015 Errata. (http://v							CS Field Indicators of Hydric Soils,
	2015 Enata. (http://v	www.mcs.	usua.gov/internet/13			5/110514	2p2_031293.d0cx)	

Project/Site: Mohaw	< Solar	City/C	ounty: Montgor	mery County		Sampling Date:	5/24/2018
Applicant/Owner:	Mohawk Solar LLC			State:	NY	Sampling Point	2Up@WetT
Investigator(s): John	Wojicikiewicz, Shelby Zemke	Section, Tow	/nship, Range: [_]	Town of (Canajoharie and N	vlinden	
Landform (hillside, terr	race, etc.): Gentle sloping	Local relief (c	oncave, convex	, none): <u>Conve</u>	x	Slope	%: 1-2
Subregion (LRR or ML	.RA): LRR L	Lat: 42.881646	Long:	-74.613328		Datum:	WGS84
Soil Map Unit Name:	Rhinebeck silty clay loam, 0	to 3 percent slopes		NWI classi	fication:	PSS/PEM	
Are climatic / hydrolog	ic conditions on the site typic	al for this time of year?	Yes X	No	(If no, e	xplain in Remarks	s.)
Are Vegetation	, Soil, or Hydrology	significantly disturbed?	Are "Norm	al Circumstance	es" prese	ent? Yes <u>X</u>	No
Are Vegetation	, Soil, or Hydrology	naturally problematic?	(If needed,	, explain any an	swers in	Remarks.)	
SUMMARY OF F	NDINGS – Attach site	map showing sampling	point locati	ons, transe	cts, im	portant featu	res, etc.

Hydrophytic Vegetation Present?	Yes	No X	Is the Sampled Area within a Wetland? Yes No X If yes, optional Wetland Site ID:
Hydric Soil Present?	Yes	No X	
Wetland Hydrology Present?	Yes	No X	
Remarks: (Explain alternative procedu	ires here or in a	separate report.)	

	Secondary Indicators (minimum of two required)				
Primary Indicators (minimum of one is required; check all that apply)					
Water-Stained Leaves (B9)	Drainage Patterns (B10)				
Aquatic Fauna (B13)	Moss Trim Lines (B16)				
Marl Deposits (B15)	Dry-Season Water Table (C2)				
Hydrogen Sulfide Odor (C1)	Crayfish Burrows (C8)				
Oxidized Rhizospheres on Living Roc	ots (C3) Saturation Visible on Aerial Imagery (C9)				
Presence of Reduced Iron (C4)	Stunted or Stressed Plants (D1)				
Recent Iron Reduction in Tilled Soils	(C6) Geomorphic Position (D2)				
Thin Muck Surface (C7)	Shallow Aquitard (D3)				
) Other (Explain in Remarks)	Microtopographic Relief (D4)				
38)	FAC-Neutral Test (D5)				
No X Depth (inches):					
No X Depth (inches):					
No X Depth (inches):	Wetland Hydrology Present? Yes No X				
nitoring well, aerial photos, previous inspec	tions), if available:				
	Water-Stained Leaves (B9) Aquatic Fauna (B13) Marl Deposits (B15) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres on Living Roc Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils Thin Muck Surface (C7) Other (Explain in Remarks) 88) No X Depth (inches): No X Depth (inches): No X Depth (inches):				

Sampling Point: 2Up@WetT

<u>Tree Stratum</u> (Plot size: <u>30</u>) 1. <i>Populus tremuloides</i>	Absolute % Cover	Dominant	Indicator						
		Species?	Status	Dominance Test worksheet:					
	35	Yes	FACU	Number of Deminerat Creation					
2. Pinus sylvestris	35	Yes	UPL	Number of Dominant Species That Are OBL, FACW, or FAC: 0	(A)				
3. Acer rubrum	10	No	FAC						
4. Abies balsamea	5	No	FAC	- Total Number of Dominant Species Across All Strata: 4					
5. Prunus serotina	5	No	FACU		_ ()				
6. Crataegus sp.	5	No	FAC	Percent of Dominant Species That Are OBL, FACW, or FAC: 0.0%	(A/B)				
7.				Prevalence Index worksheet:					
	95	=Total Cover		Total % Cover of: Multiply by	y:				
Sapling/Shrub Stratum (Plot size: 30)				OBL species 0 x 1 = 0					
1. Lonicera morrowii	40	Yes	FACU	FACW species 0 x 2 = 0					
2. Fraxinus americana	5	No	FACU	FAC species 25 x 3 = 75	;				
3.				FACU species 130 x 4 = 52	0				
4.				UPL species 35 x 5 = 17	5				
5.				Column Totals: 190 (A) 77	0 (B)				
6.				Prevalence Index = B/A = 4.05	;				
7.				Hydrophytic Vegetation Indicators:					
	45	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation	า				
Herb Stratum (Plot size: 30)				2 - Dominance Test is >50%					
1. Rubus sp.	40	Yes	FACU	3 - Prevalence Index is ≤3.0 ¹					
2. Trientalis borealis	5	No	FAC	4 - Morphological Adaptations ¹ (Provide s	supporting				
3. Alliaria petiolata	5	No	FACU	data in Remarks or on a separate sheet)					
4.				Problematic Hydrophytic Vegetation ¹ (Ex	plain)				
5.									
6.				¹ Indicators of hydric soil and wetland hydrolog be present, unless disturbed or problematic.	gy must				
7.				Definitions of Vegetation Strata:					
8.					_				
9.				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of					
10.									
11.				Sapling/shrub – Woody plants less than 3 ir and greater than or equal to 3.28 ft (1 m) tall.					
12.				Hark All herbesseus (non woody) plants, r	aardlaaa				
	50	=Total Cover		Herb – All herbaceous (non-woody) plants, re of size, and woody plants less than 3.28 ft tal					
Woody Vine Stratum (Plot size: 30)					2.00 # :				
1				Woody vines – All woody vines greater than height.	3.28 It In				
2.									
3.				Hydrophytic					
4.				Vegetation Present? Yes No X					
		=Total Cover							
Remarks: (Include photo numbers here or on a separ	ate sheet.)								
	,								

SOIL

Profile Desc	cription: (Describe	to the de	pth needed to docu	ıment tl	he indica	ator or co	onfirm the absence of	f indicators.)	
Depth	Matrix		Redox	k Featur	es				
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Rem	narks
0-8	10YR 5/4	98	7.5YR 5/6	2	С	Μ	Loamy/Clayey	Clay Si	It Loam
8-16	10YR 5/3	98	7.5YR 5/6	2	С	M	Loamy/Clayey	Clay Si	It Loam
———									
¹ Type: C=Co	oncentration, D=Depl	etion, RM	Reduced Matrix, N	IS=Mas	ked Sand	d Grains.	² Location: PI	L=Pore Lining, M=N	Matrix.
Hydric Soil								or Problematic Hy	
Histosol	(A1)		Polyvalue Belo	w Surfa	ce (S8) (I	LRR R,	2 cm Mu	ck (A10) (LRR K, L	., MLRA 149B)
Histic Ep	pipedon (A2)		MLRA 1498)			Coast Pr	airie Redox (A16) (LRR K, L, R)
Black Hi	stic (A3)		Thin Dark Surfa	ace (S9)) (LRR R	, MLRA 1	149B) 5 cm Mu	cky Peat or Peat (S	63) (LRR K, L, R)
Hydroge	n Sulfide (A4)		High Chroma S	Sands (S	611) (LRF	R K, L)	Polyvalue	e Below Surface (S	8) (LRR K, L)
	d Layers (A5)		Loamy Mucky I	Mineral	(F1) (LRI	R K, L)	Thin Dar	k Surface (S9) (LR	R K, L)
	d Below Dark Surface	e (A11)	Loamy Gleyed	Matrix (F2)			iganese Masses (F	
	ark Surface (A12)		Depleted Matrix				Piedmon	t Floodplain Soils (F19) (MLRA 149B)
	lucky Mineral (S1)		Redox Dark Su		-			oodic (TA6) (MLRA	144A, 145, 149B)
·	eleyed Matrix (S4)		Depleted Dark	Surface	(F7)			ent Material (F21)	
	ledox (S5)		Redox Depress	`	8)		Very Sha	allow Dark Surface	(F22)
	Matrix (S6)		Marl (F10) (LR	R K, L)			Other (Ex	xplain in Remarks)	
Dark Su	rface (S7)								
³ Indicators o	f hydrophytic vegetat	ion and w	etland hydrology mu	ist be pr	resent, ur	nless dist	urbed or problematic.		
	Layer (if observed):								
Type:	N/A	١							
Depth (ir	nches):						Hydric Soil Presen	nt? Yes	No <u></u>
Remarks:	m is revised from No	rthaantral	and Northaast Dagi	anal Su	nnlomon	t Varaian	2.0 to include the NDC	C Field Indiantara	of Lludric Coile
	2015 Errata. (http://w						2.0 to include the NRC 2p2 051293.docx)	5 Field Indicators	or myaric Solis,
,			0	_			,		

Project/Site: Mohaw	ct/Site: Mohawk Solar 0					ounty: Montgo	mery County	Sampling Date:	6/13/2	018	
Applicant/Owner:	Mohawk Solar	LLC					State	: NY	Sampling Poir	nt: <u>3Wet@</u>	@WetT
Investigator(s): John	Wojicikiewicz, S	Shelby Zemken	1			Section, Tov	wnship, Range	: Town of	⁻ Canajoharie and	l Minden	I
Landform (hillside, terrace, etc.): Gently sloping meadow Local relation						oncave, conve	x, none): <u>Con</u> d	ave	Slop	be %:	1-2
Subregion (LRR or MI	RA): LRR L		Lat:	42.883758		Long:	-74.610528		Datum:	WGS8	34
Soil Map Unit Name:	Rhinebeck silty	/ clay loam, 0 to	o 3 p	ercent slope	s		NWI clas	sification:	PEM		
Are climatic / hydrolog	Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No (If no, explain in Remarks.)										
Are Vegetation	, Soil, o	or Hydrology		significantly	disturbed?	Are "Norm	nal Circumstan	ces" pres	ent? Yes X	No	
Are Vegetation	, Soil, o	or Hydrology		naturally pro	oblematic?	(If needed	l, explain any a	answers ir	n Remarks.)		
SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.								tc.			
Hydrophytic Vegetati	on Present?	Yes	Х	No	ls th	e Sampled Aı	rea				
Hydric Soil Present?		Yes	Х	No	with	in a Wetland?	? Ye	s X	No		
Wetland Hydrology F	Present?	Yes	Х	No	If ye	s, optional We	tland Site ID:				
Remarks: (Explain a	Remarks: (Explain alternative procedures here or in a separate report.)										

Wetland Hydrology Indicators:			Secondary Indicators (minimum of two required)				
Primary Indicators (minimum of one is require	Primary Indicators (minimum of one is required; check all that apply)						
Surface Water (A1)	Water-Stained Leaves (B9)		Drainage Patterns (B10)				
X High Water Table (A2)	Aquatic Fauna (B13)		Moss Trim Lines (B16)				
X Saturation (A3)	Dry-Season Water Table (C2)						
Water Marks (B1)	Crayfish Burrows (C8)						
Sediment Deposits (B2)	Oxidized Rhizospheres on Living Ro	ots (C3)	Saturation Visible on Aerial Imagery (C9)				
Drift Deposits (B3)	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 Surface (C7)		Shallow Aquitard (D3)				
Inundation Visible on Aerial Imagery (B7)) Other (Explain in Remarks)		Microtopographic Relief (D4)				
Sparsely Vegetated Concave Surface (B	8)		FAC-Neutral Test (D5)				
Field Observations:							
Surface Water Present? Yes	No X Depth (inches):						
Water Table Present? Yes X	No Depth (inches): 5						
Saturation Present? Yes X	No Depth (inches): 0	Wetlan	Ind Hydrology Present? Yes X No				
(includes capillary fringe)							
Describe Recorded Data (stream gauge, mor	Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:						
		500115 <i>)</i> , 11 6					
		cuons), n a					
Remarks:							
Remarks:							
Remarks:							
Remarks:							
Remarks:							
Remarks:		, ii d	атанаыс.				
Remarks:		Suons <i>)</i> , n					
Remarks:		Suons <i>)</i> , n					
Remarks:		Suons <i>)</i> , n					

Sampling Point: 3Wet@WetT

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. 2.				Number of Dominant Species That Are OBL, FACW, or FAC: 4 (A)
3. 4.				Total Number of Dominant Species Across All Strata: 4 (B)
5. 6.				Percent of Dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B)
7.				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15)				OBL species 55 x 1 = 55
1,				FACW species 0 x 2 = 0
2.				FAC species $0 \times 3 = 0$
3.				FACU species 0 x 4 = 0
				UPL species $0 \times 5 = 0$
5				Column Totals: 55 (A) 55 (B)
				Prevalence Index = $B/A = 1.00$
6				
7				Hydrophytic Vegetation Indicators:
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5)				X 2 - Dominance Test is >50%
1. Carex vulpinoidea	15	Yes	OBL	X_3 - Prevalence Index is ≤3.0 ¹
2. Carex lurida	10	Yes	OBL	4 - Morphological Adaptations ¹ (Provide supporting
3. Scirpus atrovirens	10	Yes	OBL	data in Remarks or on a separate sheet)
4. Carex stipata	10	Yes	OBL	Problematic Hydrophytic Vegetation ¹ (Explain)
5. Eleocharis sp.	5	No	OBL	¹ Indicators of hydric soil and wetland hydrology must
6. Juncus effusus	5	No	OBL	be present, unless disturbed or problematic.
7.				Definitions of Vegetation Strata:
8.				_
9.				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
10				Sapling/shrub – Woody plants less than 3 in. DBH
11				and greater than or equal to 3.28 ft (1 m) tall.
12				Herb – All herbaceous (non-woody) plants, regardless
	55	=Total Cover		of size, and woody plants less than 3.28 ft tall.
<u>Woody Vine Stratum</u> (Plot size: <u>30</u>)				Woody vines – All woody vines greater than 3.28 ft in
1				height.
2				
3.				Hydrophytic Vegetation
4.				Present? Yes X No
		=Total Cover		
Remarks: (Include photo numbers here or on a sepa		_		

SOIL

Profile Des	cription: (Describe	to the de	pth needed to docu	ument ti	he indica	tor or co	onfirm the absence o	f indicators.)
Depth	Matrix			x Featur				
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-12	10YR 3/2	95	7.5YR 5/6	5	С	М	Loamy/Clayey	Clay Loam
12-16	10YR 5/1	85	7.5YR 4/6	15	С	Μ	Loamy/Clayey	Clay Loam
17							21	N. Dana Lining M. Mateira
Hydric Soil	oncentration, D=Depl	letion, Riv	I=Reduced Matrix, N	/IS=Masi	ked Sand	Grains.		PL=Pore Lining, M=Matrix. or Problematic Hydric Soils ³ :
Histosol			Polyvalue Belo	w Surfa	ce (S8) (I	RRR		uck (A10) (LRR K, L, MLRA 149B)
	pipedon (A2)		MLRA 149B		ce (00) (I	,		rairie Redox (A16) (LRR K, L, R)
	istic (A3)		Thin Dark Surf	,		MI RA 1		ucky Peat or Peat (S3) (LRR K, L, R)
	en Sulfide (A4)		High Chroma S		-			ie Below Surface (S8) (LRR K, L)
	d Layers (A5)		Loamy Mucky	-				rk Surface (S9) (LRR K, L)
	d Below Dark Surface	e (A11)	Loamy Gleyed			,,		nganese Masses (F12) (LRR K, L, R)
	ark Surface (A12)		Depleted Matri	-)			nt Floodplain Soils (F19) (MLRA 149B)
	/ucky Mineral (S1)		X Redox Dark Su		6)			podic (TA6) (MLRA 144A, 145, 149B)
	Gleyed Matrix (S4)		Depleted Dark					ent Material (F21)
	Redox (S5)		Redox Depress					allow Dark Surface (F22)
	Matrix (S6)		Marl (F10) (LR				Other (E	Explain in Remarks)
Dark Su	rface (S7)			-				
³ Indicators o	f hydrophytic vegetat	ion and w	etland hydrology mι	ust be pr	resent, ur	nless dist	urbed or problematic.	
Restrictive	Layer (if observed):							
Type:	N/A	4						
Depth (i	nches):						Hydric Soil Prese	nt? Yes <u>X</u> No
Remarks:								
								CS Field Indicators of Hydric Soils,
Version 7.0,	2015 Errata. (http://w	ww.nrcs.	usda.gov/Internet/FS	SE_DOC	CUMENT	S/nrcs14	2p2_051293.docx)	

Project/Site: Mohaw	k Solar			City/County: Montgor	mery County	S	Sampling Date:	6/13/2018
Applicant/Owner:	Mohawk Solar	LLC			State:	NY	Sampling Point:	3Up@WetT
Investigator(s): John	Wojicikiewicz, S	Shelby Zemken		Section, Township, Range: Town of Canajoharie and Minden				
Landform (hillside, ter	race, etc.): G	entle slope	Local relief (concave, convex, none): Convex Slope %			%: <u>1-2</u>		
Subregion (LRR or ML	.RA): LRR L	Lat:	42.883904	Long:	-74.610602		Datum:	WGS84
Soil Map Unit Name:	Rhinebeck silty	/ clay loam, 0 to 3 p	ercent slopes		NWI classifi	ication:	N/A	
Are climatic / hydrolog	ic conditions on	the site typical for	his time of year?	Yes X	No	(If no, ex	plain in Remarks	i.)
Are Vegetation	, Soil, o	or Hydrology	significantly disturb	ed? Are "Norm	al Circumstance	s" preser	nt? Yes <u>X</u>	No
Are Vegetation	, Soil, o	or Hydrology	naturally problemat	ic? (If needed	, explain any ans	swers in F	Remarks.)	
SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.								

Hydrophytic Vegetation Present?	Yes	No X	Is the Sampled Area within a Wetland? Yes No X If yes, optional Wetland Site ID:						
Hydric Soil Present?	Yes X	No X							
Wetland Hydrology Present?	Yes	No X							
Remarks: (Explain alternative procedures here or in a separate report.)									

Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)	
Primary Indicators (minimum of one is require	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)	Dry-Season Water Table (C2)	
Water Marks (B1)	Crayfish Burrows (C8)	
Sediment Deposits (B2)	Oxidized Rhizospheres on Living Ro	oots (C3) Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3)	Presence of Reduced Iron (C4)	Stunted or Stressed Plants (D1)
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soils	Geomorphic Position (D2)
Iron Deposits (B5)	Thin Muck Surface (C7)	Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7	Other (Explain in Remarks)	Microtopographic Relief (D4)
Sparsely Vegetated Concave Surface (B	38)	FAC-Neutral Test (D5)
Field Observations:		
Surface Water Present? Yes	No X Depth (inches):	
Water Table Present? Yes	No X Depth (inches):	
Saturation Present? Yes	No X Depth (inches):	Wetland Hydrology Present? Yes No X
(includes capillary fringe)		
Describe Recorded Data (stream gauge, mo	nitoring well, aerial photos, previous inspec	ctions), if available:
Remarks:		

Sampling Point: 3Up@WetT

<u>Tree Stratum</u> (Plot size: <u>30</u>)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:			
1				Number of Dominant Species			
2				That Are OBL, FACW, or FAC:3(A)			
3				Total Number of Dominant			
4				Species Across All Strata: 6 (B)			
5 6.				Percent of Dominant Species That Are OBL, FACW, or FAC: 50.0% (A/B)			
7				Prevalence Index worksheet:			
/		=Total Cover		Total % Cover of: Multiply by:			
<u>Sapling/Shrub Stratum</u> (Plot size: 30)				$\begin{array}{c c} \hline \hline \\ $			
1. Lonicera morrowii	10	Yes	FACU	FACW species 5 $x 2 = 10$			
2.				FAC species 40 x 3 = 120			
3.				FACU species 30 x 4 = 120			
4.				UPL species 5 x 5 = 25			
5.				Column Totals: 80 (A) 275 (B)			
6.				Prevalence Index = B/A = 3.44			
7.				Hydrophytic Vegetation Indicators:			
	10	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation			
Herb Stratum (Plot size: 30)				2 - Dominance Test is >50%			
1. Centaurea maculosa	20	Yes	FAC	3 - Prevalence Index is ≤3.0 ¹			
2. Solidago sp.	10	Yes	FAC	4 - Morphological Adaptations ¹ (Provide supportin			
3. Trifolium repens	10	Yes	FACU	data in Remarks or on a separate sheet)			
4. Gallium sp.	10	Yes	FAC	Problematic Hydrophytic Vegetation ¹ (Explain)			
5. Rubus sp.	10	Yes	FACU	¹ Indiastors of hydric soil and watland hydrology must			
6. <i>Glycerea sp.</i>	5	No	FACW	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.			
7. Asclepias syriaca	5	No	UPL	Definitions of Vegetation Strata:			
8.				Tree – Woody plants 3 in. (7.6 cm) or more in			
9.				diameter at breast height (DBH), regardless of height.			
10.				Sapling/shrub – Woody plants less than 3 in. DBH			
11.				and greater than or equal to 3.28 ft (1 m) tall.			
12.				Herb – All herbaceous (non-woody) plants, regardless			
	70	=Total Cover		of size, and woody plants less than 3.28 ft tall.			
Woody Vine Stratum (Plot size: 30)				Woody vines – All woody vines greater than 3.28 ft in			
1				height.			
2							
3				Hydrophytic Vegetation			
4				Present? Yes No X			
	:	=Total Cover					
Remarks: (Include photo numbers here or on a sepa	arate sheet.)						

SOIL

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)										
Depth	Matrix		Redox	k Featur	es					
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks		
0-10	10YR 4/2	95	7.5YR 6/8	5	С	М	Loamy/Clayey	Silt Clay Loam		
10-16	10YR 5/2	85	10YR 6/6	15	С	М	Loamy/Clayey	Silt Clay Loam		
¹ Type: C=Co	oncentration, D=Depl	etion, RI	/I=Reduced Matrix, N	1S=Mas	ked Sand	d Grains.		Pore Lining, M=Matrix.		
Hydric Soil I								Problematic Hydric Soils ³ :		
Histosol			Polyvalue Belo		ce (S8) (I	LRR R,		(A10) (LRR K, L, MLRA 149B)		
	ipedon (A2)		MLRA 1498)				Coast Prairie Redox (A16) (LRR K, L, R)			
Black His			Thin Dark Surfa							
	n Sulfide (A4)		High Chroma S	-			Polyvalue Below Surface (S8) (LRR K, L)			
	Layers (A5)		Loamy Mucky I			R K, L)	Thin Dark Surface (S9) (LRR K, L)			
	Below Dark Surface	e (A11)	Loamy Gleyed		F2)		Iron-Manganese Masses (F12) (LRR K, L, R)			
	rk Surface (A12)		X Depleted Matrix	x (F3)			Piedmont Floodplain Soils (F19) (MLRA 149B)			
	ucky Mineral (S1)		Redox Dark Su	irface (F	6)		Mesic Spodic (TA6) (MLRA 144A, 145, 149B)			
Sandy G	leyed Matrix (S4)		Depleted Dark Surface (F7)				Red Parent Material (F21)			
Sandy R	edox (S5)		Redox Depressions (F8)				Very Shallow Dark Surface (F22)			
Stripped	Matrix (S6)		Marl (F10) (LR	R K, L)			Other (Expl	ain in Remarks)		
Dark Sur	face (S7)									
3										
		ion and \	vetland hydrology mu	ist be pi	resent, ur	iless disi	turbed or problematic.			
Type:	ayer (if observed): N/A									
		`					Hydria Sail Brasant2			
Depth (ir							Hydric Soil Present?	Yes X No		
Remarks:	m is revised from No	rthoontro	l and Northaast Pagi	onal Su	nnlomon	t Voroion	2.0 to include the NPCS	Field Indicators of Hydria Sails		
			.usda.gov/Internet/FS					Field Indicators of Hydric Soils,		
			·····g······							