

#### **EXECUTIVE SUMMARY**

On behalf of New York State Electric & Gas Corp. (NYSEG), Fisher Associates' Wetland Scientist conducted a field delineation on December 18, 2018 to identify potential federal jurisdictional Waters of the United States (WOTUS) and potential state jurisdictional waters, including wetlands and watercourses within the Project Study Limits defined in support of the New Gardenville Substation Project (Project). An additional field delineation visit was also made on May 16, 2019 during the growing season to confirm the boundaries that were identified in the winter and to take additional data points. The Project Study Limits consisted of a 10.53-acre area, which encompasses potential construction and limits of disturbance required for the Project. The Project Study Limits are depicted on the attached Wetland Delineation mapping.

The Project Study Limits are located along Indian Church Road in the Town of West Seneca, Erie County, New York (see *Figure 1: Project Vicinity and Index Map*). They are located within the Buffalo – Eighteen Mile Watershed (HUC 04120103) and are drained by an Unnamed Tributary of the Buffalo River flowing west into the main stem of the Buffalo River. The majority of the Project Study Limits consist of disturbed areas within and surrounding an existing utility substation. Areas within the substation are comprised of dirt, gravel and asphalt grounds with existing utility structures and fencing. The land to the north of the substation is a manicured grass yard with a drainage way along the road. There is a small berm with a ditch between the existing substation and the asphalt access road. Additionally, the land south of the substation consists of a wetland and stream located within an existing utility transmission line and right-of-way (ROW).

The Project Study Limits were delineated based upon the methodology outlined in the 1987 U.S. Army Corps of Engineers (USACE) Wetland Delineation Manual and the Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Northcentral and Northeast Region (Version 2.0) and the 1995 New York State Freshwater Wetlands Delineation Manual. Using these methodologies, preliminary delineation mapping was produced and is included along with the attached investigation description and discussion. During the delineation, approximately 0.90-acres of palustrine emergent (PEM), palustrine scrub-shrub (PSS), and palustrine forested (PFO) wetlands were identified. In addition, 247-linear feet of a perennial Unnamed Tributary to the Buffalo River and one (1) potentially jurisdictional ditch were identified within the Project Study Limits.

The additional field delineation site visit on May 16, 2019 confirmed the wetland and watercourse boundaries that were identified during the previous site visit. Additional data points were collected to document the wetland and upland conditions associated with Wetland 004, and the upland areas south of Stream 001.

Based on conditions observed, the USACE will likely invoke jurisdiction over the above noted aquatic resources due to their apparent hydrologic connection to other jurisdictional waters. It is also anticipated that the NYSDEC will invoke jurisdiction over all four (4) of the delineated wetlands under Article 24: Freshwater Wetlands Program of the ECL since they are associated with NYSDEC mapped FWW BU-13 and its corresponding 100-foot regulated adjacent area. However, it is not anticipated that NYSDEC will invoke jurisdiction over Stream 001 (Unnamed Tributary of the Buffalo River) under Article 15: Protection of Waters Program of the ECL, as it is considered to be a Class D stream (lowest stream classification).

#### WETLAND & WATERCOURSE DELINEATION REPORT UPDATE NEW GARDENVILLE SUBSTATION PROJECT

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#### **PROJECT INFORMATION SHEET**

#### <u>General</u>

Project Name: State: County: Town:	New Gardenville Substation Project New York Erie County Town of West Seneca
Latitude: Longitude:	42.853155° North -78.766556° West
Project Study Area Size:	10.53-acres
HUC Code:	04120103 (Buffalo – Eighteen Mile)
Waterbodies (TNW):	Unnamed tributary to Buffalo River and associated palustrine emergent (PEM), palustrine scrub-shrub (PSS), and palustrine forested (PFO) wetlands.

#### **Corresponding Information**

USGS Quad Map:	Buffalo Southeast					
USDA Soils Map:	Erie County					
Owner/Applicant						
Owner Name: Address:	New York State Electric & Gas Corp. (NYSEG) PO Box 5224 18 Link Drive Binghamton, NY 13902-5224					
Client Contact:	Brian Bury: (607) 762-8835					
<u>Consultant</u>						
Name: Address:	Fisher Associates 180 Charlotte Street Rochester, NY 14624					
Contact:	Sean Milne: (585)334-1310 ext. 216					

#### 1.0 INTRODUCTION

On behalf of New York State Electric & Gas Corp. (NYSEG), Fisher Associates' Wetland Scientist conducted a field delineation on December 18, 2018 to identify potential federal jurisdictional Waters of the United States (WOTUS) and potential state jurisdictional waters, including wetlands and watercourses within the Project Study Limits defined in support of the New Gardenville Substation Project (Project). An additional field delineation visit was also made on May 16, 2019 during the growing season to confirm the boundaries that were identified in the winter and to take additional data points. The Project Study Limits consisted of a 10.53-acre area, which encompasses potential construction and limits of disturbance required for the Project. The Project Study Limits are depicted on the attached Wetland Delineation mapping.

#### 2.0 SITE INFORMATION

2.1 Site Location

The Project Study Limits are located along Indian Church Road in the Town of West Seneca, Erie County, New York (see *Figure 1: Project Vicinity and Index Map*). They are located within the Buffalo – Eighteen Mile Watershed (HUC 04120103) and are drained by a branch of the Buffalo River flowing west into the main stem of the Buffalo River. The Project is located in the Ontario-Erie Plain and Finger Lakes Region of the Lake State Fruit, Truck Crop and Dairy Providence/Region.

2.2 Site Description

The Project Study Limits are bounded by Indian Church Road to the north, an unnamed asphalt access road to the east, a transportation/shipping yard, utility rights-of-way (ROW) to the south, and an existing utility substation to the west (see *Figure 2: Wetland Delineation Map, Sheets 1 through 2*). The majority of the Project Study Limits consist of disturbed areas within and surrounding an existing utility substation. Areas within the substation are comprised of dirt, gravel and asphalt grounds with existing utility structures and fencing. The land to the north of the substation is a manicured grass yard with a drainage way along the road. There is a small berm with a ditch between the existing substation and the asphalt access road. Additionally, the land south of the substation consists of a wetland and stream located within a right-of-way (ROW) for a utility transmission line.

#### 3.0 METHODOLOGY

#### 3.1 Preliminary Offsite Investigation/Data Review

A review of publicly available resources was performed prior to the onsite field investigation in order to determine if there is the potential for jurisdictional areas, and if present, the extent of these areas located within the Project Study Limits. These mapping resources are represented on *Figure 2: Wetland Delineation Map, Sheets 1 through 2* and generally include but are not limited to:

- New York State Freshwater Wetlands Mapping (NYSFW);
- New York State Protection of Waters Regulatory Program Streams Mapping (NYSS);
- U.S. Fish & Wildlife Service (USFWS) National Wetlands Inventory (NWI) Database;
- U.S. Department of Agriculture (USDA) Natural Resource Conservation Service (NRCS) Soils

Database; and

- United States Geographical Survey (USGS) Mapping.
  - 3.2 Wetland Field Investigations

Wetland boundaries were field delineated according to the routine onsite methodology described in the 1987 U.S. Army Corps of Engineers (USACE) Wetland Delineation Manual, the Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Northcentral and Northeast Region (Version 2.0) (2012 Regional Supplement), and the 1995 New York State Freshwater Wetlands Delineation Manual.

Wetlands were identified based on the presence of hydric soils; a vegetative community dominated by hydrophytes, and inundated or saturated conditions, and/or indicators of hydrologic patterns. Wetlands within the Project Study Limits were classified according to the United States Fish and Wildlife Service (USFWS) *Classification of Wetland and Deepwater Habitats of the United States*. Wetland classifications were based on vegetation type and dominance: palustrine emergent (PEM), palustrine scrub-shrub (PSS), palustrine forested (PFO), and palustrine open-water (POW). A project-specific identification number was given to the delineated wetland. Wetland delineation data relative to vegetation, hydrology, soils and general observations was documented on routine wetland data forms consistent with the guidance of the 2012 Regional Supplement.

The wetland boundaries were flagged in the field and the flagged locations were recorded with a submeter accuracy global positioning system (GPS) unit to further clarify their locations. Wetland field data points were established within close proximity to flagged wetland boundaries in order to document upland/ dryland and wetland conditions existing along wetland boundaries. Photographs were taken at the field data points to document conditions along the delineation boundary. Supporting wetland determination data forms are provided in *Appendix A*. Representative site photographs are provided in *Appendix D*.

During the additional delineation site visit on May 16, 2019, all data point locations that were previously identified were re-visited and additional data was collected for growing season conditions. Additional Wetland Determination Data Forms and photographs were collected at each of these locations (provided in *Appendix A* and *D* respectively).

3.3 Watercourse Field Investigations

Watercourses such as stream channels, tributaries, ditches and linear conveyance features were identified based on the recognition of field indicators of bed, bank, and an ordinary high water mark (OHWM) coupled with an evaluation of flow type (perennial, intermittent or ephemeral) and connectivity. A "tributary" is defined by the USACE as a water that contributes flow, either directly or through another water (including an impoundment) to a water that is characterized by the presence of the physical indicators of a bed and bank and an ordinary high water mark. Watercourse flow regimes of either perennial, intermittent or ephemeral were noted for each channel based on the U.S. Environmental Protect Agency's (EPA) stream definitions (U.S. EPA, 2013) as noted below.

- Perennial (year-round) Those streams that typically have flowing water in them year-round. Most of the water comes from smaller upstream waters or groundwater while runoff from rainfall or other precipitation is supplemental.
- Intermittent (seasonal) Those streams that flow during certain time of the year when smaller upstream waters are flowing and when groundwater provides enough water for stream flow.

Runoff from rainfall or other precipitation supplements the flow of a seasonal stream. During dry periods, seasonal streams may not have flowing surface water.

• Ephemeral (precipitation dependent) – Those streams which only flow after precipitation. Runoff from rainfall is the primary source of water for these streams.

If observed, Fisher Associates' environmental scientists delineated and flagged watercourse boundaries in the field and the flagged locations were recorded with a sub-meter accuracy GPS unit to further clarify their locations. Top of Bank widths as well as OHWM widths were recorded throughout the length of the watercourse. Mapping depicting the location of the delineated watercourses, including streams and ditches, identified within the Project Study Limits are provided as an appendix (see *Figure 2: Wetland and Watercourse Delineation Map*). According to guidance from the USACE, ditches are generally not jurisdictional or regulated under Sections 402 or 4040 of the Clean Water Act (CWA) unless the feature has the following:

- Defined bed and bank (has a channel present);
- An OHWM is present;
- Contains a direct or indirect connection to a traditional navigable water; and
- Contains at least one (1) of the five (5) following supplemental attributes:
  - Presence of relatively permanent flowing or standard water;
  - A natural stream that has been altered;
  - Is excavated within a jurisdictional WOTUS;
  - Connects two (2) or more jurisdictional WOTUS; or
  - Drains natural water bodies (including wetlands) into the tributary system of a traditional navigable water.

Observed watercourse characteristics were recorded on supporting data forms, and are provided in *Appendix B*. Representative site photographs are provided in *Appendix C*.

During the additional delineation site visit on May 16, 2019, all data point locations that were previously identified were re-visited and additional data was collected for growing season conditions. Additional data forms and photographs were collected at each of these locations (provided in *Appendix B, C*, and *D* respectively).

#### 4.0 **DELINEATION FINDINGS**

4.1 Preliminary Offsite Investigation/Data Review Findings

#### 4.1.1 NYS Freshwater Wetland Mapping

The NYSFW maps were developed by the New York State Department of Environmental Conservation (NYSDEC) pursuant to Article 24: Freshwater Wetlands (FWW) Program of the Environmental Conservation Law (ECL). These maps depict the approximate boundaries of freshwater wetlands regulated by the NYSDEC. In most instances, the State-mapped boundaries are based on aerial photographs and soil survey interpretation and, therefore, require site-specific field verification. Freshwater wetland mapping information identified for the Project Study Limits was obtained from online Geographic Information System (GIS) mapping resources made available by the NYSDEC (NYSDEC 2019). Based on reviewed mapping information, one (1) NYSDEC FWW is mapped within the Project

Study Limits. The mapped wetland is located in the southern portion of the Project, and classified as NYSDEC FWW BU-13, a Class I wetland system.

### 4.1.2 NYS Streams Mapping

The NYSS maps were developed by the NYSDEC pursuant to Article 15, Protection of Waters Program, of the ECL. These maps depict the approximate locations of streams mapped by NYSDEC and identify their respective state water quality classification and standard designations based on existing or expected best usage of each water segment. These stream layers are available through the NYSDEC Environmental Resource Mapper (ERM) and the NYS Clearinghouse. In most instances, the mapped stream locations are based on aerial photographs and topographic map interpretation and, therefore, require site-specific field verification. Stream mapping information identified for the Project Study Limits was obtained from online GIS mapping resources made available by the NYSDEC (NYSDEC 2020). Based on reviewed mapping information publically available through the ERM, there are no NYSDEC stream channels mapped within the Project Study Limits.

### 4.1.3 National Wetlands Inventory Mapping

NWI mapping information for the Project Study Limits was obtained from online GIS mapping resources made available by the USFWS (USFWS 2020). A review of this information was completed which indicated that one (1) mapped NWI wetland is mapped within the Project Study Limits. The NWI wetland is mapped as Cowardin Classification: riverine, intermittent streambed (R4SBC). However, it is understood that this mapping is provided as a reference and is not necessarily indicative of the presence or absence of wetlands in an area.

## 4.1.4 Soils Mapping

Soil types identified for the Project Study Limits were obtained from online GIS mapping resources made available by the NRCS (USDA-NRCS 2020). A review of this information was completed to evaluate the soil types within the Project Study Limits to determine the possible presence of hydric soils.

The mapped soils at each wetland location, including instances where there may be more than one soil component identified at a given wetland location, are described in *Table 1: Wetland Delineation Summary*. Areas of predominantly hydric soils were identified within the Project Study Limits. The mapped soils present within the Project Study Limits are depicted on *Figure 2: Wetland Delineation Map*, *Sheets 1 through 2*.

## 4.2 Wetland Field Investigation Findings

## 4.2.1 Wetland Area Summary

The onsite delineations verified the presence of wetlands and confirmed the presence of hydric soils depicted on the NRCS soils mapping. Four (4) wetland systems totaling 0.90-acres were identified within the Project Study Limits. This is comprised of 0.82-acres of palustrine emergent (PEM), 0.06-acres of palustrine scrub-shrub (PSS), and 0.02-acres of palustrine forested (PFO) wetlands. No changes to the wetland boundaries were made during the additional site visit in May 2019.

Wetland 001 (PEM) is a drainage way wetland located along the Indian Church Road in the northern portion of the Project Study Limits. Wetland 002 (PEM & PFO) is located at the toe of a berm in between

two access roads. Wetlands 003 and 004 are connected via Stream 001 and a culvert on the southern half of the Project Study Limits. Wetland 003 is a large PEM and PSS wetland complex that borders Stream 001 and is located within a utility ROW. Wetland 004 (PEM) is similar to Wetland 003, as it is located within a utility ROW and is located to the east of an asphalt road. All of the wetlands delineated are considered to be associated with NYSDEC FWW BU-13.

During the additional site visit in May 2019 additional data points, supporting wetland data forms, and photos were collected for Wetland 004. A summary of the wetlands identified within the Project Study Limits is provided in *Table 1: Wetland Delineation Summary*. The location and size of wetlands delineated onsite are shown on *Figure 2: Wetland Delineation Map*, *Sheets 1 through 2*.

#### 4.2.2 Wetland Vegetation

The criterion for wetland vegetation is a dominance of hydrophytic species. A species is considered hydrophytic per USACE (1987 and 2012) if it is classified either as obligate (OBL), facultative wet (FACW), or facultative (FAC) in *The National Wetland Plant List: 2016 Wetland Ratings* (Lichvar, et.al, 2016). A dominance of hydrophytes requires that more than 50% of the vegetative species in an area are classified as hydrophytic.

Generally, the delineated wetlands consisted of PEM, PSS, and PFO wetlands south of Indian Church Road and Buffalo Road. The PEM wetlands found within the Project Study Limits were dominated by common reed (*Phragmites australis*), and narrow-leaf cattail (*Typha angustifolia*). The PSS portion of Wetland 003 was dominated by silky dogwood (*Cornus ammonum*) and honeysuckle (*Lonicera tatarian*), where the PFO portion of Wetland 002 was primarily comprised of eastern cottonwood (*Populus deltoids*). The wetland determination data forms which provide an expanded detail of the wetlands identified within the Project Study Limits can be found in *Appendix A*. Wetland vegetation community types observed at each wetland are summarized in *Table 1: Wetland Delineation Summary*.

## 4.2.3 Wetland Hydrology

The Project Study Limits were examined for field indicators of wetland hydrology. According to USACE (1987 and 2012), wetland hydrology consists of permanent or periodic inundation, or soil saturation to the surface during the growing season. If these indicators were present within the sample plots, the hydrology criterion was met.

Generally, wetlands identified within the Project Study Limits receive hydrologic input from groundwater and surface water runoff from adjacent roadways and impervious surfaces as well as nearby waterways. Wetlands in the southern portion of the Project Study Limits drain to Stream 001 which flows west to the Buffalo River. Whereas, Wetland 001 discharges to culverts under Indian Church Road to the north to the Buffalo River. Primary hydrologic indicators that were observed within the wetlands include Surface Water (A1), High Water Table (A2), Soil Saturation (A3), and Drainage Patterns (B10). Hydrologic indicators observed at each delineated wetland were recorded on the wetland determination data forms presented in *Appendix A. Table 1: Wetland Delineation Summary* provides the location (latitude/longitude) and total wetland area delineated within the Project Study Limits.

## 4.2.4 Wetland Soils

Soil physical characteristics were evaluated during the field delineations by excavating to a depth appropriate to evaluate potential hydric soil indicators below ground surface. Soil color was evaluated using *Munsell Soil Color Charts* (Munsell 2000). Soils that exhibited hydric soil indicators, such as low

chroma colors and/or evidence of reducing conditions met the hydric soil criterion per USACE (1987 and 2012).

Wetland soils observed during the excavations within the northern portion of the Project Study Limits generally consisted of black/grey 10YR 2/2 or 4/2 loamy mucky mineral soil, and clay textured mineral soils exhibiting a grey 10YR 4/2 matrix with brown 10YR 5/4 redox concentrations. These soils possessed characteristics of a Loamy Mucky Mineral (F1), Histosol (A1) and Depleted Matrix (F3).

Whereas, wetland soils observed during excavations within the southern portion of the Project Study Limits consisted or a silt loam and/or clay loam textured mineral black 10YR 3/2 soils with brownish orange 7.5YR 4/6 redox concentrations. These soil samples possessed characteristics of the Redox of a Dark Surface (F6) hydric soil indicator within their profiles. Characteristics observed at each data point are summarized in the wetland determination data forms included in *Appendix A*.

#### 4.3 Watercourse Field Investigation Findings

#### 4.3.1 Stream Summary

One (1) perennial stream (Stream 001) was delineated within the Project Study Limits, totaling 247-linear feet. Stream 001 is an Unnamed Tributary to the Buffalo River. The stream flows to the west beyond the Project Study Limits and discharges into the main branch/stem of the Buffalo River prior to it discharging into Lake Erie. At the time of the delineation, this portion of the stream contained approximately one foot of water, with a wetted perimeter/bed of approximately eight feet. The ordinary high water mark for the stream was observed at approximately eight feet wide, with a top of bank width of 10-feet. The stream channel becomes less defined outside of the Project Study Limits, as it flows into the PEM portion of Wetland 003. Based on the conditions observed the fact that Stream 001 is not current classified by the NYSDEC, the stream is thus considered to be a Class D stream. No changes to the stream boundary were made during the additional site visit in May 2019.

Observed stream characteristics from both site visits are summarized in the stream data forms included in *Appendix B* and representative site photographs, including overview photos of stream channel conditions, are provided in *Appendix D*. A summary of the streams identified within the Project Study Limits is provided in *Table 2: Stream Delineation Summary*. The location of the delineated stream onsite is shown on *Figure 2: Wetland Delineation Map, Sheets 1 through 2*.

#### 4.3.2 Ditches Summary

One (1) intermittent ditch (Ditch 001), totaling 825-linear feet, was delineated within the Project Study Limits. During the time of the delineation field survey, Ditch 001 contained approximately two inches of water with a wetted perimeter of approximately one-foot. The May 2019 site visit confirmed the ditch boundary and the same channel characteristics. Ditch 001 is potentially jurisdictional under the USACE.

A summary of the jurisdictional ditch identified within the Project Study Limits is provided in *Table 3: Ditch Delineation Summary*. The location of ditch delineated onsite is shown on *Figure 2: Wetland Delineation Map, Sheets 1 through 2.* 

#### 4.2.4 Upland / Dryland Area Summary

During both of the field investigations of the Project Study Limits, approximately 9.63-acres of upland / dryland or non-jurisdictional areas were identified. The majority of the identified upland / dryland areas are characterized by maintained/ mowed land associated with the substation primarily comprised of perennial rye grass (*Lolium perenne*), and maintained (mowed or pruned) utility ROWs consisting of goldenrod (*Solidago rugosa*) and reed canary grass (*Phalaris arundinacea*). Upland/ dryland soils were observed to have a clay loam texture with a consistent 10YR 3/2 brown matrix throughout the top horizon of the soil profile. No indicators of wetland hydrology were observed within the upland/dryland areas.

During the additional site visit in May 2019 additional data points (Data Points 012 and 013), supporting upland / dryland data forms, and photos were collected for the upland / dryland areas south of Stream 001. The data for Data Point 012 indicates that the area is an upland / dryland area even though it is located within the NYSDEC 100-foot Adjacent Area for NYSDEC FWW BU-13. Additionally, Data Point 013 taken south of the gravel access road indicated that the area is upland / dryland and that NYSDEC FWW BU-13 does not extend into this portion of the site. The wetland determination data forms which provide an expanded detail of the uplands/drylands identified within the Project Study Limits can be found in *Appendix A*. The location and size of upland/dryland areas are depicted on *Figure 2: Wetland Delineation Map, Sheets 1 through 2*.

#### 5.0 SUMMARY AND CONCLUSIONS

Fisher Associates conducted a wetland and watercourse delineation associated with the Project on December 18, 2018 and on May 16, 2019. During the delineations, four (4) palustrine wetland systems totaling 0.90-acres were observed. Additionally, one (1) stream reach (Stream 001), an Unnamed Tributary to Buffalo River, totaling 247-linear feet, was identified within the Project Study Limits. As well as one (1) potentially jurisdictional ditch.

Based on conditions observed, the USACE will likely invoke jurisdiction over the above noted aquatic resources due to their apparent hydrologic connection to other jurisdictional waters. It is also anticipated that the NYSDEC will invoke jurisdiction over all four (4) of the delineated wetlands under Article 24: Freshwater Wetlands Program of the ECL since they are associated with NYSDEC mapped FWW BU-13 and its corresponding 100-foot regulated adjacent area. However, it is not anticipated that NYSDEC will invoke jurisdiction over Stream 001 (Unnamed Tributary to the Buffalo River) under Article 15: Protection of Waters Program of the ECL, as it is considered to be a Class D stream (lowest stream classification).

#### 6.0 **REFERENCES**

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FIGURES





#### NEW YORK STATE ELECTRIC & GAS CORP. (NYSEG) FIGURE 1: PROJECT VICINITY AND INDEX MAP NEW GARDENVILLE SUBSTATION REPLACEMENT PROJECT

NYSDEC S     Mapsheet     NYSDEC W     NVI Wetlan     NHD Waters	tream /etland d shed Boundary				
Project USGS Quad(s):					
Buffalo SE					
Project Watershed(s):					
Buffalo - Eighteen Mile (HUC 04120103)					
Map Revision Date: 1/24/2020	Map Author: MFA				
	1,000 2,000 Feet				





#### Data Sources:

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United States Geological Survey 24k Topo Quad Map - usgs.gov Aerial Photography: ESRI World Imagery - arcgis.com Aerial Photography: ESRI World Imagery - arcgis.com NY Roads: NYS GIS Program Office (3/2013) - nysgis.state.ny.us NY Streams: NYSDEC (2/9/2011) - cugir:manilib.comell.edu Wetlands: NAtional Wetland Inventory (2018) - fws.gov/wetlands/ Solis: NRCS Soli Survey (8/24/2015) - gdg.sc.egov.usda.gov Watersheds: USGS NHD (3/9/2015) - nhd.usgs.gov Contours: US Geological Survey (4/14/2008) http://nationalmap.gov/elevation.html

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NEW YORK STATE ELECTRIC & GAS CORP. (NYSEG) NEW GARDENVILLE SUBSTATION REPLACEMENT PROJECT FIGURE 2: WETLAND AND WATERCOURSE DELINEATION MAP

Ο Data Point --- NYSDEC Stream - Contour (10ft) ---- Road Delineated Jurisdictional Ditch ----- Delineated Continuation Line  $\geq$ **Delineated Perennial Stream** Delineated PEM Wetland Delineated PFO Wetland Delineated PSS Wetland Delineated 100' Wetland Adjacent Area NYSDEC Wetland NWI Wetland NRCS Soil Complex Boundary Fence × Project Study Limits Matchline Map Revision Date: 1/24/2020 Aerial Date: 2017 100 Feet 50



## SHEET 1 of 2

NYS ITS GIS Program Office





NEW YORK STATE ELECTRIC & GAS CORP. (NYSEG) NEW GARDENVILLE SUBSTATION REPLACEMENT PROJECT FIGURE 2: WETLAND AND WATERCOURSE DELINEATION MAP





YS ITS GIS Program Office

SHEET 2 of 2

TABLES

# Table 1Wetland Delineation Summary

Wetland	Figure 2	Aggaziated	Aggesisted	Comondia	Coordi		Wetland Area within Study Limits		Soils	
ID	Map Sheet #	Associated Data Point #	Associated Photo #	Cowardin Classification	Latitude	Longitude	Square Feet	Acres	Soil Symbol	Hydric Component Percentage
001	1	DP-001 & DP-002	01 thru 08	PEM	42.853374	-78.767328	7,490	0.17	CoA	5
002	1	DP-002, DP-003 & DP-004	05 thru 16	PEM	42.853000 -78.766430	1,852	0.04	CoA	5	
002				PFO		-70.700-50	916	0.02	0.011	5
		DP-007, DP-008 & DP-009	29 thru 40	PEM	PEM 42.850536	-78.766921	1,241	0.03	CoA	5
003	2						23,512	0.54	CI	90
				PSS			2,405	0.06	CD	
004	2	DP-010 & DP-011	41 thru 46	PEM	42.850348	-78.766160	1,721	0.04	Cb	90
8	-	•		-		Totals:	39,137	0.90		

#### Notes:

A field delineation was performed by Fisher Associates on December 18, 2018 and a supplemental delineation was performed on May 16, 2019. Data Point 002 (upland/ dryland) is for both Wetland 001 and 002 since it is in between both wetlands.

# Table 2Stream Delineation Summary

Stream ID	Figure 2 Map Sheet #	Associated Data Point #	Associated Photo Log #	Stream Name	Tributary of	Flow Regime	Flow Direction	NYSDEC Classification Designation*	NYSDEC Standard Designation	Latitude	Longitude	Stream Width (Top of Bank Average, Ft.)	Stream Reach Length (Within Study Limits, Linear Ft.)
001	006	DP-006	23 thru 28	Unnamed Tributary	Buffalo River (Main Stem)	Perennial	West	D	ND	42.850266	-78.766739	10	247

#### Notes:

A field delineation was performed by Fisher Associates on December 18, 2018 and a supplemental delineation was performed on May 16, 2019.

NYSDEC Classification Designations:

AA or A: waters used as a source of drinking water

B: waters with best usage for swimming and other contact recreation, but not for drinking water

C: waters supporting fisheries and suitable for non-contact activities

D: other waters, the lowest classification standard

NYSDEC Standard Designations:

ND: no assigned designation

T: may support a trout population

TS: may support trout spawning

Waters with classifications of A, B, and C may, but will not always have an associated Standard Designation relative to trout use.

Streams with a classification of AA, A, B, or with a classification of C with a standard of "T" or "TS" are referred to a "Protected Streams" and

are subject to the stream protection provisions of the New York State Protection of Waters regulations.

\*Streams that do not appear on the NYSDEC mapping are assigned to Class D, with the exception of any "continuous flowing natural stream" which is assigned the same classification as the water to which it is a tributary. Due to errors in the available electronic mapping, Fisher recommends coordination with NYSDEC to verify stream designations of any streams that may be impacted by the Project.

# Table 3Ditch Delineation Summary

Ditch ID	Figure 2 Map Sheet #	Associated Data Point #	Associated Photo Log #	Jurisdictional or Non-Jurisdictional*	Flow Regime	Latitude	Longitude	Ditch Width (Top of Bank Average, Ft.)	Ditch Reach Length (Within Project Study Limits, Linear Ft.)
001	1 & 2	DP-005	17 thru 22	Jurisdictional	Intermittent	42.851510	-78.766509	4	825

#### Notes:

A field delineation was performed by Fisher Associates on December 18, 2018 and a supplemental delineation was performed on May 16, 2019. \*Jurisdiction classifications provided represent the professional opinion of Fisher Associates. For approval of these classifications, a request for Jurisdictional Determination should be made to the US Army Corps of Engineers. Classification as a jurisdictional ditch herein is based on the presence of a defined bed and bank, an ordinary high water mark (OHWM), a direct or indirect connection to a traditional navigable water (TNW), and at least one of the following supplementing attributes:

a) Presence of relatively permanent flowing or standing water;

b) A natural stream that has been altered;

c) Excavated in a jurisdictional waters of the US (WOTUS);

d) Connects two or more jurisdictional WOTUS; or

e) Drains natural water bodies (including wetlands) into a tributary system of a TNW.

Ditches are not regulated by the New York State Department of Environmental Conservation unless they are determined to be altered natural tributaries possessing a state-regulated classification and/or standard designation.

## APPENDIX A-1 WETLAND DETERMINATION DATA FORMS

(Data Forms From December 18, 2018 Site Visit)

WETLAND DETERMINATION DATA FOR	M – Northcentral and Northeast Region
Project/Site: New Gardenuille Substation City/Co	bunty: En't County Sampling Date: 12/18/18
Applicant/Owner: _New York State Electric and Gas Corp. (NYSEG	) State: <u>NY</u> Sampling Point: <u>DP - 00</u>
Investigator(s): Nicole Dutcher Section	n, Township, Range: N/A
Landform (hillslope, terrace, etc.): <u>Drinesa weat</u> Local relie	f (concave, convex, none): An cave Slope (%): 57
Subregion (LRR or MLRA): LRR Lat: 42.85334/	Long: -78, 747242 Datum: NAD 183
Soil Man Unit Name: CoA-Church Ale Sitting Oto 3000	Deat Shiper NIMI classification: Hat Manad
Are elimetic / hydrologic conditions on the site twoicel for this time of war? Yo	a V Na (If na avalaje in Bamarka )
Are climate 7 hydrologic conditions on the site typical for this time of year? The	
Are Vegetation, soli, or Hydrology significantly disturble	Are Normal Circumstances present? Yes
Are vegetation, Soil, or Hydrology _ <u>11</u> haturally problemat	IC? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing same	oling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes X No	is the Sampied Area
Hydric Soil Present? Yes X No	within a Wetland? Yes <u>X</u> No
Wetland Hydrology Present? Yes $\chi$ No	If yes, optional Wetland Site ID:Wetlan1.011
Remarks: (Explain alternative procedures here or in a separate report.)	
PEM dote point for weathers out.	Wetlant is a chinage wetland
Near wad, Notwal Chinage flows	into it and culvery discharge
to nearby Buffalo Creek	
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
X Surface Water (A1) Water-Stained Leaves	(B9) <u>X</u> Drainage Patterns (B10)
High Water Table (A2) Aquatic Fauna (B13)	Moss Trim Lines (B16)
Saturation (A3) Mari Deposits (B15)	(C1) Crawfish Burrows (C2)
Sediment Deposits (B2) Oxidized Bhizospheres	on Living Roots (C3) Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3)	ron (C4) Stunted or Stressed Plants (D1)
Algai Mat or Crust (B4)	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 Rema	rks) Microtopographic Relief (D4)
Sparsely Vegetated Concave Surface (B8)	A FAC-Neutral Test (D5)
Field Observations:	
Surface water Present? Yes <u>x</u> No Depth (inches): <u>x</u>	
Saturation Present? Yes No A Depth (inches): -	Watland Hydrology Bracant2 Vas X No
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previo	bus inspections), if available:
i	
Remarks:	
· · · · · · · · · · · · · · · · · · ·	

#### **VEGETATION** – Use scientific names of plants.

Sampling Point: DP-001

			1 0 1 1	· · · · · · · · · · · · · · · · · · ·
True Stantium (Plat ainer 20 alt a	Absolute	Dominant Species?	Statue	Dominance Test worksheet:
	76 COVER	opecies	Jialus	Number of Dominant Species
1			·	That Are OBL, FACW, or FAC: (A)
2				· · ·
Z				Total Number of Dominant
3		<del></del>		Species Across All Strata: (B)
4				Persont of Dominant Species
				That Are OBI FACW or FAC: (A/B)
5			·····	
6				Descriter as Indescurated sets
······				Prevalence index worksheet:
7				Total % Cover of: Multiply by:
	0	= Total Cov	er	OBL species x 1 =
				EACW species x2 =
Sapling/Shrub Stratum (Plot size: 15-67)				
1.				FAC species x 3 =
				FACU species x 4 =
2		<u></u>		LIPI species x 5 =
3.				
				Column Totals: (A) (B)
4	. <u></u>	••••••••••••••••••••••••••••••••••••••		Decusion in the State D/A -
5				Prevalence Index = B/A =
				Hydrophytic Vegetation Indicators:
0				A David Taskfor (b.dowleyda Martalian
7				1 - Rapid Test for Hydrophytic Vegetation
	0	- Total Cav	~-	X 2 - Dominance Test is >50%
			91	3 - Prevalence Index is ≤3.0 <sup>1</sup>
Herb Stratum (Plot size: <u>5~++</u> )			<u> </u>	
1 Plannike anticalis	95	У	HACW	data in Remarks or on a separate sheet)
1. Philippin's abstratio			Cherl	
2. Cornus a ba		<u> </u>	THU	
3				<sup>1</sup> Indicators of hydric soil and wetland hydrology must
				he present, unless disturbed or problematic.
4	<u></u>	<u></u>		
5				Definitions of Vegetation Strata:
6				Tree - Woody plants 3 in. (7.6 cm) or more in diameter
7.				at breast height (DBH), regardless of height.
				Sanling/shrub – Woody plants less than 3 in. DBH
8				and greater than or equal to 3.28 ft (1 m) tall.
9.				
				Herb - All herbaceous (non-woody) plants, regardless of
10				size, and woody plants less than 3.28 ft tall.
11				
				Woody vines – All woody vines greater than 3.28 ft in
12				height.
	100	= Total Cov	er	
Westwice Otation 30-Ch c				
woody vine Stratum (Plot size:)				
1				
2				Hydrophytic
4				Vegetation
3				Present? Yes No
A				
4				
	<u> </u>	= Total Cove	ər	
Remarks: (Include photo numbers here or on a separate	sheet.)			
	•			

•

#### SOIL

## Sampling Point: DP-WI

Profile Des	cription: (Describe	to the de	pth needed to docu	ment the	indicator	or confirm	n the absence of i	ndicators.)
Depth	Matrix	·	Redo	x Feature	<u>s</u>			
(inches)	$\frac{\text{Color (moist)}}{16 \sqrt{12}}$	<u>%</u>	<u>Color (moist)</u>	<u>     %                               </u>	<u>Type</u> <sup>1</sup>			Remarks
	10 12 1/2	85	<u>104k 014</u>	15	$\frac{C}{c}$		<u> </u>	
0-12	104R 412	60	IUYP SIG	25	<u></u>	M	<u> </u>	·
			104R 4/6	15	<u> </u>	_M		
							<u> </u>	
						······	······	
		·····					·····. # ·····	
					·			·····
		<u> </u>			·			
	<u></u>						·	
<sup>1</sup> Type: C=Co	ncentration, D=Deple	etion RM:			 Sand Gra	ins	<sup>2</sup> l ocation: PL	=Pore Lining M=Matrix
Hydric Soil I	ndicators:			maskea			Indicators for F	Problematic Hydric Soils <sup>3</sup> :
Histosol	(A1)		Polyvalue Below	Surface	(S8) ( <b>LRR</b>	R,	2 cm Muck	(A10) ( <b>LRR K, L, MLRA 149B</b> )
Histic Ep	vipedon (A2)		MLRA 149B)	(00) //		<b>DA</b> 440D)	Coast Prairi	e Redox (A16) (LRR K, L, R)
Hydroge	n Sulfide (A4)		Loamy Mucky M	lineral (F1	KKK, ML	L)	Dark Surfac	(Peat of Peat (53) (LKK K, L, K) e (S7) (LRR K, L, M)
Stratified	Layers (A5)		Loamy Gleyed N	Aatrix (F2)		,	Polyvalue B	elow Surface (S8) (LRR K, L)
Depleted	Below Dark Surface	(A11)	Depleted Matrix	(F3)			Thin Dark S	urface (S9) (LRR K, L)
Sandy M	ucky Mineral (S1)		Depleted Dark Sur	ace (Fo) Surface (F)	7)		Piedmont F	nese Masses (F12) (LRR K, L, R) loodplain Soils (F19) (MLRA 149B)
Sandy G	leyed Matrix (S4)		Redox Depressi	ons (F8)	,		Mesic Spod	ic (TA6) (MLRA 144A, 145, 149B)
Sandy Ro	edox (S5) Notrix (S6)						Red Parent	Material (F21)
Dark Sur	face (S7) (LRR R, MI	LRA 1498	3)				Very Shallov Other (Expla	w Dark Surface (TF12) ain in Remarks)
<sup>3</sup> Indicators of	hydrophytic vogotatic		fland hydrology must			. ام م مایر به دار		
Restrictive L	ayer (if observed):			be preser	n, uniess (	aisturbea	or problematic.	·
Type:	N/A							
Depth (incl	hes):						Hydric Soil Pres	ent? Yes <u>×</u> No
Remarks:							L	······
- <u></u>				<u>.</u>				

WETLAND DETERMINATION DATA FO	RM – Northcentral and Northeast Region
Project/Site: Ness Gardenville Substation City	County: Eric County Sampling Date: 12/18/18
Applicant/Owner: New York State Electric and Gas Corp. (NYSE	G) State: NY Sampling Point: DP-002
Investigator(s): Nicole D. behar	
hivesugator (s)	list (account account
Landrorm (nillslope, terrace, etc.): <u>ICI (LCC</u> Local re	lier (concave, convex, none): <u>1/0//</u> Slope (%): <u>1/2//</u>
Subregion (LRR or MLRA): $\underline{-KK}$ Lat: $\underline{-72, 83323}$	$\frac{1}{2} \qquad \text{Long:}  \frac{1}{73,767728} \qquad \text{Datum:}  \frac{1}{23}  $
Soil Map Unit Name: Control Churchville Silt Dam, O to 3pc	aunt Super NWI classification: NGT MUMEC
Are climatic / hydrologic conditions on the site typical for this time of year?	res No (If no, explain in Remarks.)
Are Vegetation <u>N</u> , Soil <u>M</u> , or Hydrology <u>N</u> significantly distu	rbed? Are "Normal Circumstances" present? Yes <u></u> No
Are Vegetation $\underline{N}$ , Soil $\underline{N}$ , or Hydrology $\underline{N}$ naturally problem	atic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing sam	npling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No X	Is the Sampled Area within a Wetland? Yes No X
Hydric Soil Present? Yes No A	
Remarks: (Explain alternative procedures here or in a separate report )	If yes, optional Wetland Site ID:
Surrounding NYSEG New Garden ville.	d ODI, Located in Montained yard substation,
HYDROLOGY	
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 Leave	s (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 Od	or (C1) Crayfish Burrows (C8)
Sediment Deposits (B2) Oxidized Rhizospher	es on Living Roots (C3) Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3) N/// Presence of Reduced	i Iron (C4) Stunted or Stressed Plants (D1)
Algal Mat or Crust (B4) Recent Iron Reductio	n in Tilled Soils (C6) Geomorphic Position (D2)
Inin Muck Surface (C	() Shallow Aquitard (D3)
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 $\underline{\times}$
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	vious inspections), if available:
Beesing recorded bala (steam gauge, monitoring weil, achai protes, pre	
Remarks:	
No wetland hydrolagy observes	

#### **VEGETATION** – Use scientific names of plants.

Sampling Point: DP-002

This and a contraction 30-ftr	Absolute	Dominan	t Indicator	Dominance Test worksheet:
Tree Stratum (Plot size:)	% Cover	Species ?	Status	Number of Dominant Species
1				That Are OBL, FACW, or FAC:(A)
2.				
· · · · · · · · · · · · · · · · · · ·				Species Across All Strata:
3				
4		·····		Percent of Dominant Species
5				That Are OBL, FACW, or FAC: (A/B)
-	<u></u>			
6	<u> </u>			Prevalence Index worksheet:
7				Total % Cover of: Multiply by:
	0	= Total Co	ver	OBL species x1=
K-ll-	·	10101 00		
Sapling/Shrub Stratum (Plot size: 13 417)				
1				FAC species X 3 =
2				FACU species x 4 =
				UPL species x 5 =
3	<del></del>			Column Totals: (A) (B)
4				
5				Prevalence Index = B/A =
e				Hydrophytic Vegetation Indicators:
				1 - Rapid Test for Hydrophytic Vegetation
7				2 - Dominance Test is >50%
		= Total Co	ver	3 - Prevalence Index is <3 0 <sup>1</sup>
<u>Herb Stratum</u> (Plot size: <u><math>15-ft</math>)</u>	62	$\checkmark$	Dau	4 - Morphological Adaptations <sup>1</sup> (Provide supporting
1. Lotium perenne			PARCU	data in Remarks or on a separate sheet)
2. Mantago lanceolata	20	<u> </u>	FACU	Problematic Hydrophytic Vegetation (Explain)
3. Trifolium repens	15	<u>N</u>	FACU	<sup>1</sup> Indicators of hydric soil and wetland hydrology must
4. Cornus alba	5	N	FACW	be present, unless disturbed or problematic.
5				Definitions of Vegetation Strata:
6		·		Tree – Woody plants 3 in. (7.6 cm) or more in diameter
7				at breast neight (DBH), regardless of neight.
8				Sapling/shrub - Woody plants less than 3 in. DBH
·				and greater than or equal to 3.28 ft (1 m) tall.
9				Werk All herhoesens (non woods) plants recordless of
10				size and woody plants less than 3.28 ft tall.
11				
	<u> </u>			Woody vines - All woody vines greater than 3.28 ft in
12				height.
	100	= Total Co	ver	
Woody Vine Stratum (Plot size: 30-ft )				
Troody Vine Onatalin (Fior Size:)				
1		·		
2	<u></u>			Vegetation
3.				Present? Yes No
<u> </u>				
T.	·)			
Remarks: (Include photo numbers here or on a separate s	sheet.)			

#### SOIL

7

Profile Desc	ription: (Describe	to the dept	th needed to docu	ment the i	ndicator	or confirm	n the absence o	of indicat	ors.)	
Depth	Matrix		Redo	x Features						
(inches)	Color (moist)	<u>%</u>	Color (moist)	%	Type'	_Loc <sup>2</sup>	Texture		Remarks	
0-10	104K 92	1002					1			
10-20	115418 3/2	981	IND W/R	22	$\overline{\mathcal{O}}$	M				
<u>10 40</u>	1011010	102	1012 - 13		<u> </u>					
	-									
]										
			······	<u> </u>		<del></del>		<u> </u>		
										·····
	·····					<del></del>				
		<u> </u>								·
				<b>-</b>		<u> </u>				
		<u></u>								
1					<u></u>				<u></u>	
Type: C=Co	ncentration, D=Depl	etion, RM=	Reduced Matrix, MS	=Masked	Sand Gra	ins.	<sup>2</sup> Location:	PL=Pore	Lining, M=Ma	trix.
Hydric Soil II	ndicators:						Indicators fo	or Proble	matic Hydric	Soils':
Histosol (	(A1)	-	Polyvalue Below	/ Surface (	S8) ( <b>LRR</b>	. <b>R</b> ,	2 cm Mu	ick (A10)	(LRR K, L, M	LRA 149B)
Histic Epi	ipedon (A2)		MLRA 149B)				Coast Pi	rairie Red	ox (A16) (LRI	R K, L, R)
Black His	tic (A3)	-	_ Thin Dark Surfa	ce (S9) (LF	RR R, ML	RA 149B)	5 cm Mu	icky Peat	or Peat (S3) (	LRR K, L, R)
Hydroger	Suitide (A4)	-	Loamy Mucky M	lineral (F1)	(LRR K,	L)	Dark Su	rface (S7)	(LRR K, L, N	)
Stratified	Layers (A5)		Loamy Gleyed N	Aatrix (F2)			Polyvalu	e Below S	Surface (S8) (	LRR K, L)
Depleted	Below Dark Surface	(A11) _	Depleted Matrix	(F3) face (F0)			Thin Dar	k Surface	(S9) (LRR K	, L) (1 DD 14 1 D)
I NICK Dar	K Sunace (A12)	-	_ Redox Dark Sur Depleted Dedu 0	face (F6)			Iron-Mar	nganese N	Masses (F12)	(LRR K, L, R)
Sandy Mi	acky Milleral (S1)	-	Depleted Dark S	опасе (г <i>.</i>	) 5		Pleamor		ain Solis (F19	(MLKA 149B)
Sandy Gr	adox (S5)		Redux Depressi	ons (ro)			Mesic Sp	ont Matar	0) (MILIKA 144 1-1 (E21)	A, 145, 149D)
Stripped I	Matrix (S6)			· · ·			Neu Pai	ent waten	iai (FZI) • Surface /TE:	(a)
Dark Surf	ace (S7) (IRR R M	E RA 140R)					Very Sha	volain in F	Countre (17	(2)
Dun our									<b>Terriarita</b>	
<sup>3</sup> Indicators of I	hvdrophytic vegetati	on and wet	and hydrology must	be presen	t unless	disturbed (	or problematic			
<b>Restrictive La</b>	aver (if observed):								<u></u>	
Type:	N/A						:			
Dopth (inch									Vee	N X
							nyaric Soli P	resent	1es	NO/ C
Remarks:										
Hour	14 Com	6, 0	24		1.	,	· , /)			
1	ig acompare		sels. No	wetle,	nd / K	gdic	Sals th	md		
					,	'	- /0	4 61		

WETLAND DETERMINATION DATA FOR	RM – Northcentral and Northeast Region
Project/Site: New Gardonulle Substation City/	County: Eric County Sampling Date: 12/18/18
Applicant/Owner: New York State Electric and Gas Corp. (NYSE	G) State: NY Sampling Point: DQ-023
Investigator(s): Micole Dutcher	on. Township, Range:
Landform (hillslope terrace etc.): Draina cide to Local rel	lef (concave convex none); Cupo cause Slope (%); 107-
Subragion (I BB or MI BA): ARE L! Lat: 42.853015	Long: -78. 710(0450 Datum: UAD 183
Sall Man Linit Name: Con Church will Sile Item Oth	Breach Slews Mull provision: Nat Manad
Are alimetic ( but relation and the arts and the arts the size this time of user? )	(on X No. (If no explain in Bemerke)
Are climatic / hydrologic conditions on the site typical for this time of year?	
Are vegetation <u>19</u> , Soli <u>19</u> , or Hydrology <u>19</u> significantly distur	
Are Vegetation <u>1%</u> , Soil <u>1%</u> , or Hydrology <u>19</u> naturally 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 X No	Is the Sampled Area
Hydric Soil Present? Yes X No	within a Wetland? Yes <u>X</u> No
Wetland Hydrology Present? Yes X No	If yes, optional Wetland Site ID:
Remarks: (Explain alternative procedures here or in a separate report.)	
PEM data point for Wetland 002	. Drainage wetland between 2
access made all della	defin hid + bet
ditch b/c ho cl	dar the proces state vanil.
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
X Surface Water (A1) X Water-Stained Leave	s (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 Od	or (C1) Crayfish Burrows (C8)
Sediment Deposits (B2) Oxidized Rhizosphere	es on Living Roots (C3) Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3)	I Iron (C4) Stunted or Stressed Plants (D1)
Algal Mat or Crust (B4) Recent Iron Reductio	n in Tilled Soils (C6) X Geomorphic Position (D2)
Iron Deposits (B5) Thin Muck Surface (C	C7) Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7) Other (Explain in Ren	narks) Microtopographic Relief (D4)
Sparsely Vegetated Concave Surface (B8)	FAC-Neutral Test (D5)
Field Observations: Surface Water Brocent? Vec $\mathbf{Y}$ No. Don't (inches): $(\mathbf{x}^{II})$	
Water Table Present? Yes X No Depth (inches): 0	
Saturation Present? Ves X No Depth (inches): 0 <sup>4</sup>	Wetland Hydrology Present? Yes X No
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	vious inspections), if available:
Remarks:	
Notated in aranagenery before	a 2 Alici al-

#### **VEGETATION** – Use scientific names of plants.

	A I 1 4 .	Developed	la di sata a	······	
Trac Stratum (Blat airs: 30-ft a)	ADSOIUTE	Dominant Species2	Statue	Dominance Test worksheet:	
Tree Stratum (Plot Size:)	% COver	Species :	Status	Number of Dominant Species 2	
1				That Are OBL, FACW, or FAC: (A)	
Z			· ·	Total Number of Dominant	
3.				Species Across All Strata: (B)	
4				Percent of Dominant Species	
5				That Are OBL, FACW, or FAC: (A/E	3)
		····		······································	
6				Prevalence Index worksheet:	
7					
/ ·				I otal % Cover of: Multiply by:	
	0	= Total Cov	er	OBL species x 1 =	
Sapling/Shrub Stratum (Plot size: 19-1+ c)			_		
1 Cornus alba	10	Y	FALW	FAC species x 3 =	
	l			FACU species x 4 =	
2					
				UPL species X 5 =	
J		····		Column Totals: (A) (B)	)
4					
_				Prevalence Index = B/A =	
5			<u></u>		
6				Hydrophytic Vegetation Indicators:	
│ <sup>✓</sup> • <u>····</u>				1 Danid Toot for Undrashutia Vessistian	
7				- 1 - Rapid Test for Hydrophytic Vegetation	
	10	- Total Car		🛛 🗶 2 - Dominance Test is >50%	
		= Total Cov	er	$3 - \text{Prevalence Index is } \leq 3.0^{1}$	
Herb Stratum (Plot size: 5-ft ~ )					
	Q14	V	- 01	4 - Morphological Adaptations' (Provide supportin	ng
1. Jupha angustitolia	<u> </u>		ODL	data in Remarks or on a separate sheet)	
2 Canava alba	15	۸)	FACW	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)	
2			<u>I FILM</u>		
3				<sup>1</sup> Indicators of hydric soil and wetland hydrology must	
				be present, unless disturbed or problematic.	
4					
5.				Definitions of Vegetation Strata:	
6		<del> </del>		Tree – Woody plants 3 in. (7.6 cm) or more in diameter	er
7				at breast height (DBH), regardless of height.	
/·	·····		<u></u>		
8				Sapling/shrub – Woody plants less than 3 in. DBH	
				and greater than or equal to $3.28 \pi$ (1 m) tail.	
/ <sup>9</sup>				The All hadresses (non-second and second lags of	
10.				Hero - All heroaceous (non-woody) plants, regardless of	
				size, and woody plants less than 5.28 it tan.	
11				Woody vince All woody vince greater than 3.28 ft in	
12				baight	
12. <u></u>				neight.	
	<u>    (05                                </u>	= Total Cov	er		
Westweet and South and SOM a					
(Plot size:)					
1.					
_				Hydrophytic	
2				Vegetation	
3				Present? Yes <u>No</u> No	
· · · · · · · · · · · · · · · · · · ·	<u> </u>				
4					
	Ô	- Total Cov	or		
		- 10(a) COV			
Remarks: (Include photo numbers here or on a separate	sheet.)				
,					

SOIL

## Sampling Point: DP-003

Color (moiet)		Redo	ox Features	s			
	%	Color (moist)	%	 	_Loc <sup>2</sup>	Texture	Remarks
104R 2/2	1007					Mude	
<u></u>	, <u></u>						
·····			<u> </u>		<u></u>		
			<u></u>				
	·	····					
	·				<u></u>		
				. <u></u> ,			······································
	·			·			·····
						······	
		·····			·····		
<u></u>			<del></del>	<u> </u>			
entration. D=Dep	etion, RM=I	Reduced Matrix. MS	S=Masked	Sand Gra	ins.	<sup>2</sup> Location	PL=Pore Lining, M=Matrix.
icators:		and the state of the				Indicators	for Problematic Hydric Soils <sup>3</sup> :
D		Polyvalue Belov	w Surface (	(S8) (LRR	R.	2 cm M	luck (A10) (LRR K. L. MLRA 149B)
don (A2)	-	MLRA 149B)	)	() (	,	Coast	Prairie Redox (A16) (LRR K. L. R)
(A3)	_	Thin Dark Surfa	ice (S9) (L	RR R, ML	RA 149B)	5 cm M	ucky Peat or Peat (S3) (LRR K, L, R
ulfide (A4)	<u>ج</u>	C Loamy Mucky N	<b>Mineral</b> (F1)	) (LRR K,	L) ,	Dark S	urface (S7) (LRR K, L, M)
iyers (A5)		Loamy Gleyed !	Matrix (F2)	)	-	Polyval	ue Below Surface (S8) (LRR K, L)
elow Dark Surface	∍ (A11) _	Depleted Matrix	(F3)			Thin Da	ark Surface (S9) (LRR K, L)
Surface (A12)	-	Redox Dark Sur	rface (F6)			Iron-Ma	anganese Masses (F12) (LRR K, L, I
ky Mineral (S1)	-	Depleted Dark S	Surface (F7	7)		Piedmo	nt Floodplain Soils (F19) (MLRA 14
ed Matrix (S4)	_	Redox Depress	ions (F8)			Mesic S	Spodic (TA6) ( <b>MLRA 144A, 145, 149</b>
эх (S5)						Red Pa	rent Material (F21)
itrix (S6)						Very SI	nallow Dark Surface (TF12)
e (S7) (LRR R, M	LRA 149B)					Other (	Explain in Remarks)
dronhutia vozatati	ion and wat				ما تصف سالہ م ما		
ar (if observed):	Un anu weu	and hydrology mus	t be preser	nt, uniess	aisturbea	or problematic	•
$\kappa//\Lambda$							
17/2							X
\$):						Hydric Soil	Present? Yes <u>No</u> No
					~		
	du na m	6 19 11		d			
n march	$\omega \omega \sim 1$	U IL INAN	5 Oce-	D. CU	とた	Curtont	CL N. I.I.
ry Muck	•			// ~		CONTACT	Staving Work
ry Muck				/1 -		Constanti	Stawing Water.
ry Muck			,	/ -		Conjat	Starving Water.
ry Muck			,	/1 -		Conjati	Stawing Water.
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ry Muck			,	/ -		Conjau	Stawing Water.
ry Muck			,	71 -		Conjati	Stawing Water.
ry Muck			,	/		CVN74 U	Stawing Wolfer.
ry Muck				/		CONTACT	Stawing Wolfer.
ry Muck				/  -		CUNJA U	Stawing Wolfer.
ry Muck				/			Stawing Wolfer.
ry Muck ,				/			Stawing Wolfer.
ry Muck ,				/		CUNTAL	Stawing Water.
ry Muck ,				/		CUNJALI	Stawing Wolfer.
ry Muck ,				/			Stawing Wolfer.
ry Muck ,				/			Stawing Worker.
	entration, D=Depl icators: 1) idon (A2) (A3) iulidic (A4) ayers (A5) alow Dark Surface Surface (A12) ky Mineral (S1) ed Matrix (S4) ox (S5) atrix (S6) be (S7) (LRR R, M drophytic vegetati er (If observed): N / A	entration, D=Depletion, RM=F icators: 1) idon (A2) (A3) isulfide (A4) ayers (A5) alow Dark Surface (A11) Surface (A12) ky Mineral (S1) ed Matrix (S4) Datrix (S6) ise (S7) (LRR R, MLRA 149B) drophytic vegetation and weti er (If observed): N / A	entration, D=Depletion, RM=Reduced Matrix, MS icators: 1) Polyvalue Belov idon (A2) MLRA 149B; (A3) Thin Dark Surfa iulifide (A4) Loamy Mucky M ayers (A5) Loamy Gleyed alow Dark Surface (A11) Depleted Matrix Surface (A12) Redox Dark Su ky Mineral (S1) Depleted Dark Su ed Matrix (S4) Redox Depress ox (S5) atrix (S6) be (S7) (LRR R, MLRA 149B) drophytic vegetation and wetland hydrology mus er (If observed): N / A	entration, D=Depletion, RM=Reduced Matrix, MS=Masked icators: 1)Polyvalue Below Surface MLRA 149B) (A3)Thin Dark Surface (S9) (L iulifide (A4)Loamy Mucky Mineral (F1 iyers (A5)Loamy Gleyed Matrix (F2) alow Dark Surface (A11)Depleted Matrix (F3) Surface (A12)Redox Dark Surface (F6) ky Mineral (S1)Depleted Dark Surface (F6) ky Mineral (S1)Depleted Dark Surface (F6) ky Mineral (S1)Depleted Dark Surface (F6) box (S5) atrix (S6) be (S7) (LRR R, MLRA 149B) drophytic vegetation and wetland hydrology must be prese er (If observed): N / A	entration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Gra entration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Gra icators: 1)Polyvalue Below Surface (S8) (LRR MLRA 149B) (A3)Nurface (S9) (LRR R, ML iufide (A4)Loamy Mucky Mineral (F1) (LRR K, nyers (A5)Loamy Gleyed Matrix (F2) elow Dark Surface (A11)Depleted Matrix (F3) Surface (A12)Redox Dark Surface (F6) ky Mineral (S1)Depleted Dark Surface (F6) ky Mineral (S1)Depleted Dark Surface (F7) ed Matrix (S4)Redox Depressions (F8) bx (S5) atrix (S6) be (S7) (LRR R, MLRA 149B) drophytic vegetation and wetland hydrology must be present, unless er (if observed): N / A	entration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. icators: 1)Polyvalue Below Surface (S8) (LRR R, MLRA 149B) (A3)Thin Dark Surface (S9) (LRR R, MLRA 149B) (A3)Thin Dark Surface (F6) (C1)Thin Dark Surface (F6) (C2)Thin Dark Surface (F7) (C3)Thin Dark Surface (F6) (C3)Thin Dark Surface (F7) (C4)Thin Dark Surface (F6) (C4)Thin Dark Surface (F7) (C4)Thin Dark Surface (F6) (C4)Thin Dark Surface (F7) (C4)Thin Dark Surface (F6) (C4)Thin Dark Surface (F7) (C4)Thin Dark Surface (F7) (C4)Thin Dark Surface (F6) (C4)Thin Dark Surface (F6) (C4)Thin Dark Surface (F7) (C4)Thin Dark Surface (F6) (C4)Thin Dark Surface (F6) (C4)Thin Dark Surface (F7) (C4)Thin Dark Surface (F6) (C4)Thin Dark Surface (F7) (C4)Thin Dark Surface (F7) (C4)Thin Dark Surface (F6) (C4)Thin Dark S	entration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. <sup>2</sup> Location:         indicators:       Indicators         1)       Polyvalue Below Surface (S8) (LRR R,

WETLAND DETERMINATION DATA FORM	- Northcentral and Northeast Region
Project/Site: New Gardowille Substition City/Cou	inty: Eric County Sampling Date: 12/18/18
Applicant/Owner: New York State Electric and Gas Corp. (NYSEG)	State: NY Sampling Point: DP-014
Investigator(s): Vicole Dutcher Section.	Township Bange: N/A
Landform (hillstone terrace etc.): Dia a as how Local relief	(conceve convex none): CLOCCUVE, Slone (%): 157
Subregion (LRR or MLRA); LRR L Lat 42.852 U89	Long: - 78,766 457 Datum: NAD '83
Soil Map Unit Name: Co A - Churchville Silt loam. Oto 30	percept Stores NWI classification: Not meaned
Are climatic / hydrologic conditions on the site typical for this time of year? Yes	No (If no evolution in Remarks )
Are climatic river by the set $M$ set $M$ set to define the set of the set $M$ set M set $M$ set $M$ set $M$ set $M$ set M set $M$ set $M$ set $M$ set $M$ set M set $M$ set $M$ set $M$ set $M$ set M set $M$ set M set $M$ set $M$ set $M$ set $M$ set	
Are Vegetation $N$ , Soil $M$ , or Hydrology $N$ significantly disturbed Are Vegetation $N$ , Soil $N$ , or Hydrology $N$ naturally problematic	<ol> <li>Are "Normal Circumstances" present? Yes <u>x</u> No</li> <li>(If needed, explain any answers in Remarks.)</li> </ol>
SI IMMARY OF FINDINGS - Attach site man showing sample	ing point locations transacts important features atc
	ing point locations, transects, important reacties, etc.
Hydrophytic Vegetation Present? Yes X No	the Sampled Area
Hydric Soil Present? Yes X No	later the second second second second
Remarks: (Evplain alternative procedures here or in a separate report.)	yes, optional Wetland Site ID: 000/174718002
Pto date pint for wetland 002. Data access made	ragency wetland in between 2
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
X Surface Water (A1) X Water-Stained Leaves (B	9) X Drainage Patterns (B10)
High Water Table (A2) Aquatic Fauna (B13)	Moss Trim Lines (B16)
A Saturation (A3) Mari Deposits (B15)	Dry-Season Water Table (C2)
Water Marks (B1) Hydrogen Suffice Odor (C	(C9)
Drift Deposits (B3)	n (C4) Stunted or Stressed Plants (D1)
Algai Mat or Crust (B4) Recent Iron Reduction in	Tilied Soils (C6) X Geomorphic Position (D2)
Iron Deposits (B5) Thin Muck Surface (C7)	Shallow Aguitard (D3)
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remark	s) Microtopographic Relief (D4)
Sparsely Vegetated Concave Surface (B8)	FAC-Neutral Test (D5)
Field Observations:	**************************************
Surface Water Present? Yes $X$ No Depth (inches): $\mathcal{H}''$	
Water Table Present? Yes X No Depth (inches): O	X
Saturation Present? Yes X No Depth (inches): 0 //	Wetland Hydrology Present? Yes No
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previou	s inspections), if available:
Remarke.	
1	

#### VEGETATION - Use scientific names of plants.

Sampling Point: \_\_\_\_\_\_\_

·	Abcolute	Dominant India	stor
Trans Stratum (Plat size: 20-16 ()	% Cover	Snecies? Sta	Dominance Test worksheet:
(Flot size)	20		Number of Dominant Species
1. Kopulous dettoides	_ 20	. <u> </u>	That Are OBL, FACW, or FAC: (A)
Z		·	Total Number of Dominant
3.			Species Across All Strata: (B)
4			Percent of Dominant Species
5			That Are OBL, FACW, or FAC: (A/B)
6			Prevalence Index worksheet:
7			Total % Cover of Multiply by:
[ ·			
	_20_	_ = Total Cover	OBL species x1 =
15-01			FACW species x 2 =
Sapling/Shrub Stratum (Plot size: 13 417)			
1			FAC species X 3 =
			FACU species x 4 =
2	<del></del>	. <u></u>	
J			Column Totals: (A) (B)
4.			
			Prevalence index = B/A =
6			Hydrophytic Vegetation Indicators:
o			1. Repid Test for Hydrophytic Vegetation
7			
	0	- Total Cover	2 - Dominance Test is >50%
- C.			3 - Prevalence Index is ≤3.0 <sup>1</sup>
Herb Stratum (Plot size: 5-4+ c)			4. Mount of a local Advantation of (Deputide supporting
The with	60	V n	R1 - 4 - Morphological Adaptations (Provide supporting
1. Inplie angustitolia	00	<u> </u>	
			Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
3			<sup>1</sup> Indicators of hydric soil and wetland hydrology must
			be present, unless disturbed or problematic.
4	····	. <u></u>	
5.			Definitions of Vegetation Strata:
-			
6		·	I ree - woody plants 3 in. (7.6 cm) of more in diameter
7			at preast height (UBH), regardless of height.
8			Saping/shrub - woody plants less than 5 in. Don
0			and greater than of equal to 5.20 m (1 m) dat.
5	····		Work All berbaceous (non-woody) plants regardless of
10.			size and woody plants less than 3 28 ft tall
			Size, and woody plants iess than 5.25 it and
11	<del></del>	· ·····	Woody vines - All woody vines greater than 3.28 ft in
12			height
	10	· · · · · · · · · · · · · · · · · · ·	neight.
	60	= Total Cover	
Weater Vine State (Blateing 30+1+C)			
woody vine Straum (Piot size:)			
1			
~			Hydrophytic
Ζ	<u></u>		Vegetation
3.			Present? Yes // No
	·····		
4			
	0	= Total Cover	
Remarks: (Include photo numbers here or on a separate	sheet.)		

#### SOIL

Samoling	Point:	02-004
Sampling	Point:	Dr-004

Profile Des	cription: (Describe )	to the depti	needed to docu	ment the i	ndicator	or confirm	n the absence of in	dicators.)
Depth (inches)	Matrix Color (moist)	<u> </u>	Color (moist)	x Features	S Type <sup>1</sup>	1002	Texture	Romarke
<u>M-17</u>	10×10 2/3	1017		/0	<u> </u>			Rendiks
	10/K 12	<u></u>					Tom CIC	·····
			·····		·····		<u></u>	
		<del></del> <u></u>		,,,			<u></u>	· · · · · · · · · · · · · · · · · · ·
		<u> </u>	· · · · · · · · · · · · · · · · · · ·					
		<u> </u>		<u></u>	<u> </u>			
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				<u></u>	<u>-</u>	<u> </u>		
<u></u>				····				
			· · · · · · · · · · · · · · · · · · ·				······	
<sup>1</sup> Type: C=Co	ncentration, D=Deple	tion, RM=R	educed Matrix. MS	=Masked \$	Sand Grai	ns.	<sup>2</sup> Location: PL=	Pore Lining, M=Matrix.
Hydric Soil I	ndicators:						Indicators for Pr	oblematic Hydric Soils <sup>3</sup> :
Histosol (	(A1)		Polyvalue Below	Surface (	S8) ( <b>LRR</b>	R,	2 cm Muck (/	A10) ( <b>LRR K, L, MLRA 149B</b> )
Histic Epi	ipedon (A2)		MLRA 149B)	(20) (1 -			Coast Prairie	Redox (A16) (LRR K, L, R)
Hvdrocer	nic (A3) 1 Sulfide (A4)		I hin Dark Surfac	ce (S9) (LF ineral (F1)	(RR, ML)	RA 149B) I \	5 cm Mucky	Peat or Peat (S3) (LRR K, L, R)
Stratified	Layers (A5)		Loamy Gleyed N	fatrix (F2)		-,	Polyvalue Be	low Surface (S8) (LRR K, L)
Depieted	Below Dark Surface	(A11)	Depleted Matrix	(F3)			Thin Dark Su	rface (S9) (LRR K, L)
Thick Dar	k Surface (A12)		Redox Dark Surf	ace (F6)			Iron-Mangan	ese Masses (F12) (LRR K, L, R)
Sandy Mi	JCKY Mineral (S1) eved Matrix (S4)		Depleted Dark S	urface (F7)	)		Piedmont Flo	odplain Soils (F19) (MLRA 149B)
Sandy Re	dox (S5)		_ Neutr Depressio	Jiio (Fd)			Red Parent N	(TAO) (MERA 144A, 145, 149D) Naterial (F21)
Stripped f	Matrix (S6)						Very Shallow	Dark Surface (TF12)
Dark Surf	ace (S7) (LRR R, ML	RA 149B)					Other (Explai	n in Remarks)
Indicators of I	hydrophytic vegetation	n and wetlar	nd hydrology must	be present	t. unless o	listurbed o	or problematic	
Restrictive La	yer (if observed):			20 11 2021	.,			
Туре:	<u>N/4</u>							N - 4
Depth (inch	les):						Hydric Soil Prese	nt? Yes <u>X</u> No
Remarks:							·····	······································

WETLAND DETERMINATION DATA FORM	- Northcentral and Northeast Region			
Project/Site: New Gardenville Substation City/Cou	nty: Erle County Sampling Date: 12/18/18			
Applicant/Owner: New York State Electric and Gas Corp. (NYSEG)	State: NY Sampling Point: DP-007			
Investigator(s): Nicole Ditcher Section				
Landform (hillolono forman ata): Hmalia	(2000) (2000) (2/1-27)			
$\frac{1}{2} \frac{1}{2} \frac{1}$	$\frac{1}{28} = \frac{1}{28} = \frac{1}{24} = \frac{1}{28} $			
Subregion (LRR or MLRA): <u>NRK</u> Lat: <u>42.8 SO 508</u>	$\frac{1}{1000} Long: \frac{7}{70}, \frac{7}{700}, \frac{7}{700}$			
Soil Map Unit Name: <u>CD-Canadice</u> , Silt Joam, Channer	<u>1 TII Substratum</u> NWI classification: K95BC			
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" present? Yes X 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 Present? Yes X No	the Sampled Area			
Hydric Soil Present? Yes No X	ithin 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.)				
Upland data point for Wetland 003	Data point located between			
Light and in the second in the	mand NYSNE way Upland area			
worthand ous and stream out in a in	appear 11/3/20 enter op			
is disturbed due to installation of utility structures and associated objects,				
HYDROLOGY				
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)			
Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (B6)				
Ligh Water Table (A2)	9) Drainage Patterns (B10) Moss Trim Lines (B16)			
Saturation (A3)	Moss min Lines (BT0)			
Water Marks (B1) Hydrogen Sulfide Odor (C1) Cravfish Burrows (C8)				
Sediment Deposits (B2) Oxidized Rhizospheres on Living Roots (C3) Saturation Visible on Aerial Imagery (C9)				
Drift Deposits (B3) $\sqrt{\underline{/A}}$ Presence of Reduced Iron (C4) Stunted or Stressed Plants (D1)				
Algai 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)				
Eield Observations:				
Surface Water Present? Yes No X Denth (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	s inspections), if available:			
Remarks:				
No wetland hydrology observed.	Area is slightly higher in			
electrics than surrounding wetta	ndi			
J	-			
-				
,				

#### **VEGETATION** – Use scientific names of plants.

Sampling Point: DP-007

VEGETATION - Ose scientific hames of plants.	•									
30-01	Absolute	Dominant	Indicator	Dominance Test worksheet:						
Tree Stratum (Plot size: <u>JU-J+</u> )	% Cover	Species?	Status	Number of Dominant Species						
1				That Are OBL, FACW, or FAC: (A)						
2.				Tatal Mumber of Deminant 1						
2				Species Across All Strata: (B)						
3		······								
4		<u> </u>		Percent of Dominant Species (00)						
5				That Are OBL, FACW, or FAC:(A/B)						
6				Burnet and a local second second						
				Prevalence index worksneet:						
7		<u> </u>		Total % Cover of:Multiply by:						
		= Total Cov	er	OBL species x 1 =						
Sapling/Shrub Stratum (Plot size: 15-ft - )				FACW species x 2 =						
				FAC species x 3 =						
1				FACU species x 4 =						
2	·		<u></u>							
3.										
				Column Totals: (A) (B)						
4	······			Prevalence Index = B/A =						
5	······									
6				Hydrophytic Vegetation Indicators:						
7				1 - Rapid Test for Hydrophytic Vegetation						
/				X 2 - Dominance Test is >50%						
		= Total Cov	er	3 - Prevalence Index is ≤3.0 <sup>1</sup>						
Herb Stratum (Plot size: 5-4+ - )			-	A - Morphological Adaptations <sup>1</sup> (Provide supporting						
1 Solidaen reposa	30	У	FAC	data in Remarks or on a separate sheet)						
- Phalesis of curling	26	- V	CAT W	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)						
2. Trimmis army mecen	<u> 65</u>									
3. lyph ngustitolia		<u>N</u>	OBL	<sup>1</sup> Indicators of hydric soil and wetland hydrology must						
4. Cirsum vulgare	10	N	FACU	be present, unless disturbed or problematic.						
= Ambrosia actenisitelia	10	N	GACIL	Definitions of Vegetation Strata:						
5. / THOSE WE GET THE T			-FHCA-							
6		·		Tree – Woody plants 3 in. (7.6 cm) or more in diameter						
7	<u></u>			at breast neight (DBH), regardless of neight						
8				Sapling/shrub – Woody plants less than 3 in. DBH						
		•		and greater than or equal to 3.28 ft (1 m) tall.						
9			<u> </u>	Herb - All herbaceous (non-woody) plants, regardless of						
10				size, and woody plants less than 3.28 ft tall.						
11.										
12				Woody vines – All woody vines greater than 3.28 ft in						
12. <u></u>	$\overline{Q_{\alpha}}$			neight.						
<b>2 •</b> •	_70	= Total Cov	er							
Woody Vine Stratum (Piot size: 20-14 - )										
1										
				Hydrophytic						
2			<u></u>	Vegetation						
3				Present? Yes <u>No</u> No						
4.										
** <u></u>	0	- Total Car	~~							
<b>B</b>			er							
Remarks: (Include photo numbers here or on a separate s	ineet.)									
Profile Desc	cription: (Describe	to the dep	oth needed to docu	ment the	indicator	or confirm	n the absence	of indicators.)		
------------------------------	-----------------------	------------	--	-------------------------------------	-------------------	---------------------------------------	---	--	--	--
Depth	Matrix		Red	ox Feature	<u>es</u>					
	<u>Color (moist)</u>	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>		R	emarks	
0-0	104R-12	1007			• ••••••		<u> </u>	<u></u>	·······	
10-12	104R 5/3	80	2.54 6/8	<u>20</u>	$\underline{C}$	<u>M</u>			·	
12-20	104R 5/3	<u>55</u>	7. SYR SK	40	<u>C</u>	_M_	<u> </u>	······································		
			2.54 4/8	_5_	C	M				
ĺ			•							
						<u> </u>				
				<u> </u>		<del></del>				
<u> </u>			······································							
·		·······							· · · · · · · · · · · · · · · · · · ·	
			Deduced Methods Mr			•				
Hydric Soil In	ndicators:	suon, rum=	Reduced Mathx, MS	=Masked	Sand Gra	ins.	Location	For Problematic	, M=Matrix. Hydric Soils <sup>3</sup> :	
Histosol (	(A1)		Polyvalue Below	Surface	(S8) (LRR	R.	2 cm M	luck (A10) (LRR	K. L. MLRA 149B)	
Histic Epi	ipedon (A2)		MLRA 149B)			•	Coast F	Prairie Redox (A1	6) (LRR K, L, R)	
Black His	tic (A3)	-	Thin Dark Surfa	ce (S9) (L	RR R, ML	RA 149B)	5 cm M	lucky Peat or Pea	tt (S3) (LRR K, L, R)	
Stratified	Lavers (A5)	-	Loamy Mucky M	lineral (F1 <i>l</i> iatrix (F2)	) (LRR K,	L)	Dark Si Polyval	urface (S7) (LRR	K, L, M)	
Depleted	Below Dark Surface	(A11)	Depleted Matrix	(F3)			Thin Da	ark Surface (S9) (	(SO) (LKK K, L)	
Thick Dar	k Surface (A12)	-	Redox Dark Sur	face (F6)			Iron-Ma	anganese Masses	(F12) (LRR K, L, R)	
Sandy ML	ucky Mineral (S1)	-	Depleted Dark S	urface (Fi	7)		<ul> <li>Piedmont Floodplain Soils (F19) (MLRA 149B)</li> <li>Mesic Spodic (TA6) (MLRA 144A, 145, 149B)</li> <li>Red Parent Material (F21)</li> <li>Very Shallow Dark Surface (TF12)</li> </ul>			
Sandy Ge Sandy Re	eyeu Matrix (54)	-	Redox Depressi	ons (F8)						
Stripped M	Matrix (S6)									
Dark Surfa	ace (S7) (LRR R, MI	.RA 149B)	)				Other (I	Explain in Remar	ks)	
<sup>3</sup> Indicators of h	nydrophytic vegetatio	n and wet	land hydrology must	be preser	nt, uniess d	disturbed o	or problematic.			
<b>Restrictive La</b>	yer (if observed):					· · · · · · · · · · · · · · · · · · ·				
Type:	<u></u>									
Depth (inch	es):						Hydric Soil R	Present? Yes	No X	
Remarks:										
٨	to hydric si	ik d	rand Sil					,		
1 m				une	com	hike	and hav	e been		
distu.	the due .	to in	stalledia	$\cap$	,					
			sectorion of	- Nec	rby 1	UHILY	structure	-5.		
					U	/				

WETLAND DETERMINATION DATA FO	RM Northcentral and Northeast Region
Project/Site: New Gardonville Substation City	County: Erie County Sampling Date: 12/18/18
Applicant/Ourser New York State Electric and Gas Corp. (NYSE	G) State: N/Y Sampling Point DP-008
Investigator(a): Micele D Achec	
investigator(s). <u>To concertation</u> Section	107, Township, Range
	$\frac{1}{2} = \frac{1}{2} = \frac{1}$
Subregion (LRR or MLRA): $\frac{1}{12}$ Lat: $\frac{1}{2}$ Lat: $\frac{1}{2}$	<u>S</u> Long: <u>70,700775</u> Datum: <u>1010</u>
Soil Map Unit Name: <u>Cb-Canodice Silf Ioam, Channe</u>	<u>M DI Substratum</u> NWI classification: <u>Not mepped</u>
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes <u>No</u> No (If no, explain in Remarks.)
Are Vegetation _N_, Soil _N_, or Hydrology _N_ significantly distu	rbed? Are "Normal Circumstances" present? Yes No
Are Vegetation $\underline{N}$ , Soil $\underline{N}$ , or Hydrology $\underline{M}$ naturally problem	atic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing sam	npling 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: Wet land 003
Remarks: (Explain alternative procedures here or in a separate report.)	
PEIM data point for Watland 003.	Wetland is willin a mapped NYSDEC
Fushs.	<b>4</b> 5
HYDROLOGY	
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) X Water-Stained Leave	(B9) X Drainage Patterns (B10)
High Water Table (A2) Acuatic Fauna (B13)	Moss Trim Lines (B16)
X Saturation (A3) Marl Deposits (B15)	Dry-Season Water Table (C2)
Water Marks (B1) Hydrogen Sulfide Od	or (C1) Crayfish Burrows (C8)
Sediment Deposits (B2) X Oxidized Rhizosphere	es on Living Roots (C3) Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3) N/A Presence of Reduced	I Iron (C4) Stunted or Stressed Plants (D1)
Algal Mat or Crust (B4) Recent Iron Reductio	n in Tilled Soils (C6) X Geomorphic Position (D2)
Iron Deposits (B5) Thin Muck Surface (C	C7) Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7) Other (Explain in Ren	narks) Microtopographic Relief (D4)
Sparsely Vegetated Concave Surface (B8)	FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No Depth (inches):	
Water Table Present? Yes <u>No</u> Depth (inches): 3"	X
Saturation Present? Yes <u>No</u> Depth (inches): O''	Wetland Hydrology Present? Yes <u>^</u> No
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre-	vious inspections), if available:
Pomorka	
remains.	ч
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20.01	Absolute	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: <u>JU-17</u> )	<u>% Cover</u>	Species?	Status	Number of Dominant Species
1				That Are OBL, FACW, or FAC: (A)
[ <sup>2</sup>				Total Number of Dominant
3	·		. <u></u>	Species Across All Strata: (B)
4.				Percent of Dominant Species
			•	That Are OBL, FACW, or FAC: (UD to (A/B)
5	<u> </u>			
6				Prevalence Index worksheet:
[ /·				I otal % Cover of: Multiply by:
		= Total Cov	/er	OBL species x 1 =
Sanling/Shrub Stratum (Plot size: )5-ft ()				FACW species x 2 =
				FAC species x 3 =
1				
2.				
				UPL species x 5 =
3			·	Column Totais: (A) (B)
4			. <u></u> .	
5	•			Prevalence Index = B/A =
			·	11. Jan 1. V. not-41. 1. Jan 1
6	<u> </u>			nyaropnytic vegetation indicators:
7.				1 - Rapid Test for Hydrophytic Vegetation
	0	T (1) O.		$\times$ 2 - Dominance Test is >50%
		= I otal Cov	er	$3 - Prevalence Index is \leq 3.0^{1}$
Herb Stratum (Plot size: 5-24 r)				A Mambalagiael Adaptations <sup>1</sup> (Davido supporting
1 Trades an attalso	80	Ý	OBL	data in Remarks or on a separate sheet)
1. Infloor conquestion			CALL	
2. Phragnites anstralis	10	<u> </u>	FIACW	
3 Cornus alba	10	N	FIACW	<sup>1</sup> Indicators of hydric soil and wetland hydrology must
				be present, unless disturbed or problematic.
4		<u> </u>		
5				Definitions of Vegetation Strata:
s				Tree Woody plants 3 in (7.6 cm) or more in diameter
0				at breast height (DBH), regardless of height.
7				
8.				Sapling/shrub - Woody plants less than 3 in. DBH
				and greater than or equal to 3.28 ft (1 m) tall.
a <sup></sup>				W-h All herbergers (non woods) slasts sagardlags of
10				size and woody plants less than 3.28 ft tall.
11				ster, and woody plans loss and sine would
	*		·	Woody vines - All woody vines greater than 3.28 ft in
12				height.
	100	= Total Cov	er	
The second second second				
woody vine Stratum (Plot size:)				
1				
3				Hydrophytic
۲. <u></u>			<u> </u>	Vegetation
3				Present? Yes <u>No</u> No
4				
		= Total Cov	er	
Remarks: (Include photo numbers here or on a separate :	sheet.)			

Matrix Color (moist) WR 2/2 WR 4/1	<u>952</u> <u>100</u> 2	Redo Color (moist) SYR 34	<u>x Features</u> <u>%</u> <u>5 /.</u> 	<u>Type</u> 1		Texture SiL SL	mixed	Remarks	orijanics
Color (moist) 1042 2/2 042 4/1	<u>951</u> <u>100</u> 2	Color (moist) Syr 34	<u>_%</u> <u></u>	<u>C</u>		<u>Si</u> L <u>SL</u>	mixel	Remarks	organics
<u>бур 4/1</u>	<u> </u>	<u></u>	<u> </u>	<u> </u>		<u>SL</u>	mixed	<u></u>	organics
<u>БЧК Ч/і</u>	<u> </u>		······		·	<u>SL</u>			
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						·····		<u></u>	
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						·······	· · · · · · · · · · · · · · · · · · ·		
, fa Re		Carto €arti 20							
ntration, D=Deplet	tion, RM=Red	luced Matrix, MS=	-Masked S	and Grain	IS.	<sup>2</sup> Location: PL= Indicators for P	Pore Linin roblemati	ıg, M=Ma c Hydric	atrix. : Soils <sup>3</sup> :
ow Dark Surface ( urface (A12) / Mineral (S1) d Matrix (S4) c (S5) rix (S6) o (S7) (LRR R, ML)	A11) X	Depleted Matrix ( Redox Dark Surfa Depleted Dark Su Redox Depressio	F3) ace (F6) Irface (F7) ns (F8)			Thin Dark St     Thin Dark St     Iron-Mangar     Piedmont File     Mesic Spodi     Red Parent I     Very Shallow     Other (Expla	urface (S9) nese Massi codplain S c (TA6) ( <b>M</b> Material (F v Dark Surf in in Rema	( <b>LRR K</b> es (F12) oils (F19 <b>LRA 14</b> 21) face (TF arks)	(LRR K, L, R (LRR K, L, R (MLRA 149 4A, 145, 149E 12)
rophytic vegetation	and wetland	i hydrology must i	oe present,	unless di	sturbed or	problematic.			
N/A		al (1997)			-	Hydric Soil Prese	nt? Yes	. X	No
			<u></u>		l.				•
	entration, D=Deplet cators: ) don (A2) (A3) ulfide (A4) /ers (A5) low Dark Surface ( isurface (A12) y Mineral (S1) d Matrix (S4) k (S5) rix (S6) o (S7) (LRR R, MLI rophytic vegetation r (if observed): /A	entration, D=Depletion, RM=Rec cators: ) don (A2) (A3) (A4) (A1)(A1) (A1)(A	entration, D=Depletion, RM=Reduced Matrix, MS cators: ) Polyvalue Below MLRA 149B) (A3) Thin Dark Surfac ulfide (A4) Loamy Mucky Mil Loamy Mucky Mil Loamy Mucky Mil Loamy Gleyed M Loamy Gleyed M Depleted Matrix ( Mirface (A12) Redox Dark Surfac y Mineral (S1) Depleted Dark Surfac (S5) rix (S6) (S7) (LRR R, MLRA 149B) rophytic vegetation and wetland hydrology must if r (if observed): 	entration, D=Depletion, RM=Reduced Matrix, MS=Masked S cators: ) Polyvalue Below Surface (S MLRA 149B) (A3) Thin Dark Surface (S9) (LRI uffide (A4) Loamy Mucky Mineral (F1) ( Loamy Gleyed Matrix (F2) Depleted Matrix (F3) wurface (A12) Redox Dark Surface (F6) y Mineral (S1) Depleted Dark Surface (F7) d Matrix (S4) Redox Depressions (F8) c (S5) rix (S6) o (S7) (LRR R, MLRA 149B) rophytic vegetation and wetland hydrology must be present, r (if observed): 	entration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grain cators:         )      Polyvalue Below Surface (S8) (LRR F. MLR 149B)         (A3)      Thin Dark Surface (S9) (LRR R, MLR Loamy Mucky Mineral (F1) (LRR K, L Loamy Gleyed Matrix (F2) Loamy Gleyed Matrix (F2)         (A5)      Depleted Matrix (F3)         (atrix (A12)       X         winface (A12)       X         (Asing Mineral (S1)      Depleted Dark Surface (F6)         (Asing Mineral (S1)      Redox Depressions (F8)         (x (S5))       rix (S6)         (S7) (LRR R, MLRA 149B)         rophytic vegetation and wetland hydrology must be present, unless difference in the second seco	Intration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.         cators:         )       Polyvalue Below Surface (S8) (LRR R, don (A2)         (A3)       Thin Dark Surface (S9) (LRR R, MLRA 149B)         (A3)       Loamy Mucky Mineral (F1) (LRR K, L)         vers (A5)       Loamy Gleyed Matrix (F2)         low Dark Surface (A11)       Depleted Matrix (F3)         Surface (A12)       X         v Mineral (S1)       Depleted Dark Surface (F6)         y Mineral (S1)       Depleted Dark Surface (F7)         d Matrix (S4)       Redox Depressions (F8)         x (S5)       rix (S6)         (S7) (LRR R, MLRA 149B)         rophytic vegetation and wetland hydrology must be present, unless disturbed or         r (if observed):         M/A	antration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. <sup>2</sup> Location: PL=         cators:       Indicators for P         don (A2)       MLRA 149B)       Coast Prairie         (A3)       Thin Dark Surface (S9) (LRR R, MLRA 149B)       5 cm Mucky         (A3)       Thin Dark Surface (S9) (LRR R, MLRA 149B)       5 cm Mucky         (A3)       Loamy Mucky Mineral (F1) (LRR K, L)       Dark Surface         (A4)       Loamy Gleyed Matrix (F2)       Polyvalue Biow Dark Surface (A11)         vers (A5)       Loamy Gleyed Matrix (F3)       Thin Dark Surface         iow Dark Surface (A11)       Depleted Matrix (F3)       Thin Dark Surface (F6)         y Mineral (S1)       Depleted Dark Surface (F7)       Piedmont File         y Mineral (S1)       Depleted Dark Surface (F7)       Piedmont File         x (S6)       Redox Depressions (F8)       Mesic Spodi         x (S6)       Very Shallow       Other (Explaint of the texplain of texplain of texplain of texplain of texplain o	antration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. <sup>2</sup> Location: PL=Pore Linim         cators:       Indicators for Problemati         )      Polyvalue Below Surface (S8) (LRR R, 2 cm Muck (A10) (LRF, don (A2)       MLRA 149B)         (A3)      Thin Dark Surface (S9) (LRR R, MLRA 149B)	Initration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. <sup>2</sup> Location: PL=Pore Lining, M=Matcators for Problematic Hydric         Indicators for Problematic Hydric       Polyvalue Below Surface (S8) (LRR R,2 cm Muck (A10) (LRR K, L, M         (A3)       Thin Dark Surface (S9) (LRR R, MLRA 149B)

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WETLAND DETERMINATION DATA FO	RM Northcentral and Northeast Region
Project/Site: New Gadenville Substation City	County: Ene County Sampling Date: 12/18/18
Applicant/Owner: New York State Electric and Gas Corp. (NYSE	G) State: NY Sampling Point: DP-CU9
Investigator(s): Nicole Dutzher Secti	on, Township, Range: N/A
Landform (hillslope, terrace, etc.): Depression Local re	lief (concave, convex, none); Concave, Slope (%); 102.
Subregion (LRR or MLRA): LRR L' Lat: 42.8506	13 Long: -78,766729 Datum: NAO'83
Soil Map Unit Name: Cb-Canadia, Silt loam, Channen	HII Substratum NWI classification: Not mensor
Are climatic / hydrologic conditions on the site typical for this time of year?	/es X No (If no. explain in Remarks.)
Are Vegetation N. Soil N. or Hydrology M. significantly distu	thed? Are "Normal Circumstances" present? Yes X No
Are Vegetation N, Soil N, or Hydrology N naturally problem	atic? (If needed, explain any answers in Remarks.)
	(
SUMMARY OF FINDINGS – Attach site map showing san	ppling 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 <u>No</u> No
Wetland Hydrology Present? Yes No	If yes, optional Wetland Site ID:
Remarks. (cxplain alternative procedures here or in a separate report.)	
PSS data pont for Wetland 003, C	Inly a smill portion is a PSS. Mojuity
of wetland is a PSM. Wetland is	a mused NYSDEC wettend.
	a mopped to the volution
HYDROLOGY	
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) X Water-Stained Leave	s (B9) Drainage Patterns (B10)
High Water Table (A2) Aquatic Fauna (B13)	Moss Trim Lines (B16)
Saturation (A3) Mari Deposits (B15)	Dry-Season Water Table (C2)
X Water Marks (B1) Hydrogen Sulfide Odd	or (C1) Crayfish Burrows (C8)
Sediment Deposits (B2) Oxidized Rhizosphere	es on Living Roots (C3) Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3) Presence of Reduced	Iron (C4)Stunted or Stressed Plants (D1)
Algai Mat or Crust (B4) Algai Mat or Crust (B4)	n in Tilled Soils (C6) X Geomorphic Position (D2)
Iron Deposits (B5) Thin Muck Surface (C	7) Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7) Other (Explain in Rem	narks) Microtopographic Relief (D4)
Sparsely Vegetated Concave Surface (B8)	FAC-Neutral Test (D5)
Field Observations:	
Surface water Present? Yes No A 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, prev	nous inspections), if available:
Democilies	
Remarks:	
Grand Covered in water stand Le	ares and all should stems
has it to have no it	
nove water marks an them.	
•	

Tree Stratum (Plot size: $\_ OC [L]$ )       3. Cover: Stecked2, Status         1	2.10	Absolute	Dominant	Indicator	Dominance Test worksheet:
1	Tree Stratum (Plot size: <u>)</u>	<u>% Cover</u>	Species?	Status	Number of Dominant Species
2	1				That Are OBL, FACW, or FAC: (A)
3.	2		·		Total Number of Dominant
4	3.				Species Across All Strata: (B)
S		( <u></u>	<u></u>		Demont of Deminent Species
9				<u>_</u>	That Are OBL, FACW, or FAC:
6	5				
7.	6				Prevalence index worksheet:
Sapilind/Shrub_Stratum       (Plot size	7				Total % Cover of: Multiply by:
Sanihard Shrub Stratum       (Pot size: 15' R)       S.       Y       FACU species       x 3 =		Ø	= Total Cov	er	OBL species x 1 =
Source of the stress of th	Sapling/Shrub Stratum (Plot size: 15 R)	,			FACW species x 2 =
1. Controls actions       30       Y       FACU species       x 4 =	1 (and the drame in	60	y	FACW	FAC species x 3 =
2	I. Corress attomany	30		Theil	FACU species x 4 =
3	2. Lonicera Tatarica			FACO	UPL species x 5 =
4	3	<u></u>		<u> </u>	Column Totals: (A) (B)
5.       Prevalence Index = B/A =         6.	4	······			
6.	5.				Prevalence Index = B/A =
7.	6				Hydrophytic Vegetation Indicators:
$\frac{90}{2} = \text{Total Cover}$ Herb Stratum (Plot size: $5' \text{ P}$ )         1. Soli de suo Microia         2. Solidong Canadonsis         3. Troube angle Highling         4.         5.         6.         7.         8.         9.         10.         11.         12.         13.         14.         15.         16.         17.         18.         19.         10.         10.         10.         10.         11.         12.         13.         14.         15.         16.         17.         18.         19.         10.         10.         10.         11.         12.         13.         14.         15.         15.         16.         17.         18.         19.         10.         12.         12.         13.<	7				1 - Rapid Test for Hydrophytic Vegetation
	/	<u>9</u> 0			× 2 - Dominance Test is >50%
Herb Stratum (Plot size:	~'n		= Total Cov	er	3 - Prevalence Index is ≤3.0 <sup>1</sup>
1.       Scilidargo Magona       15       Y       Y/4C         2.       Scilidargo Canadorsis       15       Y       Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)         3.       Jupbe, and the first       10       DBL       Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.         4.       10       DBL       Definitions of Vegetation <sup>1</sup> (Explain)         1.       10       DBL       Definitions of Vegetation <sup>1</sup> (Explain)         1.       10       DBL       Definitions of Vegetation Strata:         6.	Herb Stratum (Plot size: <u>5 K</u> )		N/	<b>~~</b> ~~	4 - Morphological Adaptations <sup>1</sup> (Provide supporting
2. Solicence Canadorsis       15       Y       FACU       Problematic Hydrophylic Vegetation <sup>1</sup> (Explain)         3. Jupha angleshthilin       10       Y       084       Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.         4.       10       Y       084       Definitions of Vegetation Strata:         7.       10       Y       084       Definitions of Vegetation Strata:         8.       10       10       Y       084       Sapting/shrub - Woody plants less than 3 in. CBH and greater than or equal to 3.28 ft (1 m) tail.         9.       10       10       10       Y       10       Y       10         11.       12       40       = Total Cover       Hydrophytic       Yes X       No         4.       0       10       10       10       Yes X       No         12.       40       = Total Cover       Hydrophytic       Yes X       No         14.       10       10       10       Yes X       No       10         12.       40       = Total Cover       Hydrophytic       Yes X       No       10         13.       40       = Total Cover       Hydrophytic       Yes X       No       10       10	1. Solidayo Mapsa	15	<u> </u>	HAC	data in Remarks or on a separate sheet)
3. Typle, and with file       10       Y       0 & Y <td>2. Solidago Canadonsis</td> <td>15</td> <td>Y</td> <td>FACU</td> <td> Problematic Hydrophytic Vegetation<sup>1</sup> (Explain)</td>	2. Solidago Canadonsis	15	Y	FACU	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
4	3. Typhy angustifilion	10	<u> </u>	OBL	<sup>1</sup> Indicators of hydric soil and wetland hydrology must
5.	4		. <u></u>		be present, unless disturbed or problematic.
6.	5.				Definitions of Vegetation Strata:
7	6				Tree – Woody plants 3 in. (7.6 cm) or more in diameter
8	7		••••••		at breast height (DBH), regardless of height.
8.	· · · · · · · · · · · · · · · · · · ·				Sapling/shrub - Woody plants less than 3 in. DBH
9	8				and greater than or equal to 3.28 ft (1 m) tail.
10	9				Herb All berbrosous (non-woody) plants regardless of
11	10				size, and woody plants less than 3.28 ft tall.
12	11		<u></u>		Transformer All more devices constantions 2.29 th in
Year     Year	12.				height.
Woody Vine Stratum       (Plot size:)         1		40	= Total Cov	- <b>-</b>	
1	Wards Mars Starture (Distance 30'P)				
1   2   3   4					
2	1			<u> </u>	Hydrophytic
3     Present?     Yes       4	2				Vegetation
4 = Total Cover Remarks: (Include photo numbers here or on a separate sheet.)	3		<u></u>		Present? Yes <u>No</u>
Remarks: (Include photo numbers here or on a separate sheet.)	4				
Remarks: (Include photo numbers here or on a separate sheet.)		C	= Total Cov	ər	
	Remarks: (Include photo numbers here or on a separate s	sheet.)			
	······································	,			

Sampling	Point:	DP-009	
oampinig			

Profile Desc	cription: (Describe	to the dep	th needed to docum	nent the	indicator	or confirm	n the absence of i	indicators.)			
Depth (inches)	Color (moist)	%	Color (moist)	x Feature %	S Type <sup>1</sup>		Texture	Remarks			
0-11	11) VA 3/2	98	1040 6/8	a	<u> </u>	<u></u>		Tenarka			
11-13	10/10 3/2		1010 1010	10	$\overline{c}$						
<u>[[=]]</u>	1048 12	<u> </u>	10412 018	10		_74					
						- <del>.</del>		······			
								······································			
			<u> </u>								
				<u></u>							
								······································			
······			······································								
					·····			· · · · · · · · · · · · · · · · · · ·			
<sup>1</sup> Type: C=Co	ncentration, D=Deple	tion, RM=F	Reduced Matrix, MS	=Masked	Sand Gra	ins.	<sup>2</sup> Location: PL	=Pore Lining, M=Matrix.			
Hydric Soll II	ndicators:			<b>.</b> .		_	Indicators for	Problematic Hydric Soils':			
Histosol ( Histic Epi	A1) bedon (A2)		MIRA 149R)	Surface	(S8) (LRR	R,	2 cm Muck	(A10) (LRR K, L, MLRA 149B)			
Black His	tic (A3)	_	_ Thin Dark Surfac	e (S9) (L	RR R, ML	RA 149B)	5 cm Muck	v Peat or Peat (S3) (LRR K. L. R)			
Hydrogen	Sulfide (A4)	_	Loamy Mucky Mi	neral (F1	) (LRR K,	L) ´	Dark Surfa	ce (S7) (LRR K, L, M)			
Stratified	Layers (A5) Belaw Dark Surface	-	_ Loamy Gleyed M	atrix (F2)	1		Polyvalue B	Below Surface (S8) (LRR K, L)			
Thick Dar	k Surface (A12)	(ATT) ر	Depieted Matrix ( Redox Dark Surf:	r3) ace (E6)			Inin Dark S	Surface (S9) (LRR K, L)			
Sandy Mu	icky Mineral (S1)	-	_ Depleted Dark Su	Inface (F7	7)		Piedmont Floodplain Soils (F19) (MLRA 149B)				
Sandy Gle	eyed Matrix (S4)		_ Redox Depressio	ns (F8)	-		Mesic Spodic (TA6) (MLRA 144A, 145, 149B)				
Stripped N	dox (S5) Aatrix (S6)						Red Parent	t Material (F21)			
Dark Surfa	ace (S7) (LRR R. ML	.RA 149B)					Other (Expl	ain in Remarks)			
		,					(+-				
Indicators of h	hydrophytic vegetatio	n and wetla	and hydrology must l	pe preser	nt, unless o	isturbed o	or problematic.				
	iyer (if observed):										
Depth (inch							Mudaia Call Dage				
Semarke.							Hydric Soli Pres				
vernarka.											
		•									

### APPENDIX A-2 WETLAND DETERMINATION DATA FORMS

(Data Forms From May 16, 2019 Site Visit)

WETLAND DETERMINATION DATA FORM - N	Northcentral and Northeast Region
Project/Site: New Gadenville Substation City/County:	Eric County Sampling Date: 5/16/19
Applicant/Owner: New York State Electric and Gas Corp. (NYSEG)	State: NY Sampling Point: DP-WI
Investigator(s): Nicola Dutcher Section. Tow	vnship. Range: N/A
Landform (hillslope terrace etc.): Dog (Live Local relief (con	cave convex none): $(int)(int)$ Slope (%): 3-52
Subregion (IRB or MIRA): LRR L Lat 42 85 3341	Long: -18 "1(0") 747 Datum: NAA '83
Sublegion (LINCO) MEION Lat Lat Ch 3 her of	Sla age Nau Josef Mat Magaad
Are elimetic / hudrelanic conditions on the site twice for this time of war? Yes	
Are climatic / hydrologic conditions on the site typical for this time of year? Yes	(if ho, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly disturbed?	Are "Normal Circumstances" present? Yes <u>No</u> No
Are Vegetation, SoilN_, or Hydrology _N 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 Present?       Yes       X       No       Is the within         Hydric Soil Present?       Yes       X       No       If yes,         Wetland Hydrology Present?       Yes       X       No       If yes,	sampled Area n a Wetland? Yes X No , optional Wetland Site ID: しどもなくのし
Remarks: (Explain alternative procedures here or in a separate report.)	
PEM data point for wetland COI. Wetland	located in a men-more dais
alon and as do in a aluer to	P de -
and and and and and analy via caller is	Buffalo River.
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 L	iving Roots (C3) Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3)	C4) Stunted or Stressed Plants (D1)
Algai Mat or Crust (B4) Recent Iron Reduction in Till	ed 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)	KFAC-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 Depth (inches):	Wetland Hydrology Present? Yes X No
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous in	Ispections), if available:
Remarks:	

True Structure (Distring 20'P)	Absolut	e Dominant	Indicator	Dominance Test worksheet:
	<u>% Cove</u>	Species?	Status	Number of Dominant Species
1	<u></u>			That Are OBL, FACW, or FAC: (A)
2			<u> </u>	Total Number of Dominant
3				Species Across All Strata: (B)
4				Percent of Dominant Species
5			·	That Are OBL, FACW, or FAC: (A/B)
6	h			Prevalence Index worksheet:
7				Total % Cover of: Multiply by:
	_¢_	= Total Cov	ər	OBL species x 1 =
Sapling/Shrub Stratum (Plot size: 15'2)	/			FACW species x 2 =
1.				FAC species x 3 =
2.				FACU species x 4 =
 ۲				UPL species x 5 =
				Column Totals: (A) (B)
-				Prevalence Index = B/A =
5				
6				Hydrophytic Vegetation Indicators:
7			<u> </u>	▲ 1 - Rapid Test for Hydrophytic Vegetation
<i>• • •</i>	<u> </u>	_ = Total Cove	ər	2 - Dominance Test is >50%
Herb Stratum (Plot size: <u>5'P</u> )				3 - Prevalence index is \$3.0
1. Phragmites australis	100		FACW	data in Remarks or on a separate sheet)
2			<u> </u>	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
3	·,		·	<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
5.				Definitions of Vegetation Strata:
6				Tree Woody plants 2 in (7.6 cm) or more in diameter
7				at breast height (DBH), regardless of height.
·				Septime (should when the loss than 2 in DPH)
8				and greater than or equal to 3.28 ft (1 m) tall.
9		<u> </u>		Hawk All hashaaaaya (non waady) planta pagagilaga af
10		<u> </u>		size, and woody plants less than 3.28 ft tall.
11				Weedersing Allowedersing methods (200 A in
12				height.
	100	_ = Total Cove	er	-
Woody Vine Stratum (Plot size: 30' R)				
1.				
2				Hydrophytic
2			·	Vegetation Present? Ves X No
3	·		·	1165611(1) 1165 <u>77</u> 110
4				
	<u> </u>	_ = Total Cove	er	
Remarks: (Include photo numbers here or on a separate s	sheet.)			

Profile Desc	ription: (De	scribe	to the dept	h needed t	o docun	nent the i	ndicator	or confirm	the absence of	Indicators.)
Depth	N	<u>latrix</u>			Redox	x Features		_		
(inches)	Color (m	oist)	%	Color (m	oist)	%	Type <sup>1</sup>		Texture	Remarks
0-8	10YR	4/2	85	104R	<u> 514</u>	15	_ <u>C</u> _	M	<u> </u>	
8-12	IVYR	4/2	60	IOYR	5/4	25	C	M	C	
				IUVO	4/10	15	$\overline{c}$	M		
			······································	10- Jac				<u> </u>	·	
						<u> </u>				
			·					<u> </u>	<u> </u>	· · · · · · · · · · · · · · · · · · ·
						•••••				· · · · · · · · · · · · · · · · · · ·
		<u></u>	·			<u></u>	<u> </u>			
									·	·····
<u> </u>										
<sup>1</sup> Type: C=Co	ncentration.	D=Depl	etion. RM=	Reduced M	atrix. MS		Sand Gra	ains.	<sup>2</sup> Location: F	PL=Pore Lining. M=Matrix.
Hydric Soil I	ndicators:								Indicators fo	r Problematic Hydric Solis <sup>3</sup> :
Histosol	(A1)		-	Polyvali	le Below	/ Surface (	(S8) (LRF	R,	2 cm Muc	ck (A10) ( <b>LRR K, L, MLRA 149B</b> )
Histic Ep	ipedon (A2)			MLR	A 149B)	(00) (1			Coast Pra	airie Redox (A16) (LRR K, L, R)
Black His Hydrogel	SIIC (A3) n Sulfide (A4	3	-	Thin Da	rk Surta Mucky M	ce (S9) (L lineral (F1	K K K, MI \/  R R K	.RA 149B)	5 cm Muc	cky Peat or Peat (S3) (LRR K, L, R) face (S7) (LRR K (LM)
Stratified	Layers (A5)	,	-	Loamy	Gleyed N	Aatrix (F2)		, - ,	Polyvalue	Below Surface (S8) (LRR K, L)
Depleted	Below Dark	Surface	(A11)	Deplete	d Matrix	(F3)			Thin Dark	Surface (S9) (LRR K, L)
Thick Da	rk Surface (A	A12)	-	Redox [	Dark Sur	face (F6)	-		Iron-Man	ganese Masses (F12) (LRR K, L, R)
Sandy M	ucку мinerai leved Matrix	(S1) (S4)	-	Deplete Redox [	a Dark S Depressi	ons (F8)	0		Pleamont Mesic Sn	odic (TA6) (MI RA 144A 145 149B)
Sandy R	edox (S5)		-		50010001	0110 (1 0)			Red Pare	ent Material (F21)
Stripped	Matrix (S6)								Very Sha	llow Dark Surface (TF12)
Dark Sur	face (S7) (LF	RR R, M	LRA 1498	)					Other (Ex	plain in Remarks)
<sup>3</sup> Indicators of	hydrophytic	veqetati	on and wet	and hydrold	nav must	be prese	nt. unless	disturbed o	or problematic	
Restrictive L	ayer (if obs	erved):			-97					
Туре:	N	JA								
Depth (inc	hes):								Hydric Soil Pr	resent? Yes <u>X</u> No
Remarks:										

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Regi	on
Project/Site: New Gardenville, Substation City/County: Ene Quinty Samol	ing Date: 5/110/19
Applicant/Owner: New York State Electric and Gas Corp. (NYSEG)	noling Point: DP-002
investigator(s): Nicole Dutcher Osection, Township, Range: N/A	.p
Landform (hillslope, terrace, etc.); TCVAce Local relief (concave, convex, none); 1 200	Slope (%): 1-32
Subregion (LRR or MLRA): $LRR L$ Lat: 42, 8532,59 Long: -78,707/28	Datum: N/Ar) '83
Soil Man Linit Name: CA - Churchielle Silt Ixan Oto 3 Or Cant Sheat NUM description:	Not Maral
Are climatic / hydrologic conditions on the site typical for this time of year? You Are so the site typical for this time of year? You	1001 11 0 11 0 11 0 11 0 11 0 11 0 11
Are Vegetation V Soil W or Hydrology W clarificanth disturbed?	
Are Vegetation, Soil, or Hydrology significantly disturbed? Are Normal Circumstances present?	
Are vegetation $\underline{\Gamma}^{\alpha}$ , soin $\underline{\Gamma}^{\alpha}$ , or Hydrology $\underline{\Gamma}^{\alpha}$ naturally problematic? (If needed, explain any answers in Re	marks.)
SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, impo	ortant 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.)	
Upland data point for wetland and. Located near a stight wet spot d	ve to
correction of Structure Located in more yor around Substation	
HYDROLOGY	
Wetland Hydrology Indicators: Secondary Indicators (mi	nimum 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 (B	10)
Lines (B1) High Water Table (A2) Aquatic Fauna (B13) Moss Trim Lines (B1	6)
Saturation (A3) Mart Deposits (B15) Dry-Season Water Ta	able (C2)
Water Marks (B1) Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8	3)
Sediment Deposits (B2) Oxidized Rhizospheres on Living Roots (C3) Saturation Visible on	Aerial Imagery (C9)
Drift Deposits (B3)     N_/_4Presence of Reduced Iron (C4)     Stunted or Stressed I	Plants (D1)
Algai Mat of Crust (B4) Recent iron Reduction in Tilled Soils (C6) Geomorphic Position	(D2)
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Microtonographic Rel	) lief (D4)
Sparsely Vegetated Concave Surface (B8) FAC-Neutral Test (D)	5)
Field Observations:	-,
Surface Water Present? Yes No 🔀 Depth (inches):	
Water Table Present? Yes No 🔀 Depth (inches):	
Saturation Present? Yes No <u>×</u> Depth (inches): _ Wetland Hydrology Present? Yes	s No <u>X</u>
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	
Remarks:	
No wetland hydrology observed.	

US Army Corps of Engineers

Tree Stratum (Plot size: 30'R)	Absolute % Cover	Dominan Species?	t Indicator Status	Dominance Test worksheet:
1				Number of Dominant Species That Are OBL, FACW, or FAC:
2				Total Number of Dominant
3		<u></u>		Species Across All Strata: (B)
4				Percent of Dominant Species
5	4 . <del>1 </del>			That Are OBL, FACW, or FAC: (A/B)
6	·····			Prevalence Index worksheet:
7	-7-			Total % Cover of:Multiply by:
1-10	$-\varphi$	= Total Co	ver	OBL species x 1 =
Sapling/Shrub Stratum (Plot size: 15 ()				FACW species x 2 =
1	•			FACU species x4 =
2				UPL species x 5 =
3	<u></u>			Column Totals: (A) (B)
E	<u> </u>			Prevalence Index = B/A =
5 6	<u></u>	·		Hydrophytic Vegetation Indicators:
7	*******			1 - Rapid Test for Hydrophytic Vegetation
· · · · · · · · · · · · · · · · · · ·	Ø	= Total Co	ver	2 - Dominance Test is >50%
Herb Stratum (Plot size: S'R)	<b></b>	10101 00	101	3 - Prevalence Index is ≤3.0 <sup>1</sup>
1. Taraxorum officioale	30	Y	FACU	4 - Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)
2. Lolium perenne	35	Y	FACU	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
3. Lotus Corniculatus	10	Ň	FACY	<sup>1</sup> Indicators of hydric soil and wetland hydrology must
4. Citsium arvense	<u> </u>	N	FACU	be present, unless disturbed or problematic.
5. Plantago lanceslata	5	<u>N</u>	Facu	Definitions of Vegetation Strata:
6. Trifolium repens	15	N	FACU	Tree – Woody plants 3 in. (7.6 cm) or more in diameter
7				at breast height (DBH), regardless of height.
8				Sapling/shrub – Woody plants less than 3 in. DBH
9				and greater than or equal to 5.26 it (111) tail.
10				Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
11				Woody vines - All woody vines greater than 3.28 ft in
12	<u> </u>			height.
2.10	100 -	= Total Cov	ver	
Woody Vine Stratum (Plot size:)				
1				Hydrophytic
2	<u> </u>			Vegetation
3	·			Present? Yes No <u>2</u>
4			·	
Remarke: (Include photo numbers here or on a constrate o	<u> </u>	= Total Cov	/er	
Tremains. (include photo numbers nere of on a separate s	neel.)			$\wedge$
Vegetation is disturbed beau	ause	area	is h	roved, to area arons
Sul et the ofference of	40		. 1	
wasknon and Underneath	Trai	nsmiss	1an 11	nei

Profile Desc	cription: (Describe	to the dept	h needed to document t	he indicator or co	onfirm the abse	nce of indicat	tors.)
Depth	Matrix		Redox Feat	tures1	2		
(inches)	<u>Color (moist)</u>		Color (moist) %	<u>Type' Lo</u>	<u>c</u> <u>Texture</u>	<u>)                                    </u>	Remarks
0-20	104R 4/2	100%	······································	<u></u>	L		
	·						
	·····			······· ·······			
	. <u></u>	<u> </u>					
				<u> </u>	<u> </u>		
			······································				
	<u> </u>	<u> </u>	·····	·····			
					<del>,</del>		
		<u> </u>					
		<u> </u>		<u> </u>	······································		· · · · · · · · · · · · · · · · · · ·
							······
			······				
'Type: C=Co	oncentration, D=Deple	etion, RM=F	Reduced Matrix, MS=Mas	ked Sand Grains.	Loca <sup>2</sup>	tion: PL=Pore	Lining, M=Matrix.
	noicators:		Dahambar Dalam Omfr		Indicat		
Histic En	(A1) Vinedon (A2)		Polyvalue below Suffa MI RA 149R\	ICE (38) (LKK K,	2 c	m MUCK (A10) ast Prairie Rec	(LKK K, L, MLKA 149D)
Black His	stic (A3)		Thin Dark Surface (S9	) (LRR R. MLRA 1	49B) 5 c	m Mucky Peat	t or Peat (S3) (LRR K. L. R)
Hydroge	n Sulfide (A4)	-	Loamy Mucky Mineral	(F1) (LRR K, L)	Da	rk Surface (S7	') (LRR K, L, M)
Stratified	Layers (A5)	·	Loamy Gleyed Matrix	(F2)	Pol	yvalue Below	Surface (S8) (LRR K, L)
Depleted	Below Dark Surface	(A11) _	_ Depleted Matrix (F3)		Thi	n Dark Surface	e (S9) (LRR K, L)
Thick Da	rk Surface (A12)	-	_ Redox Dark Surface (I	=6) - ( <b>F</b> -7)	Iron	n-Manganese I	Masses (F12) (LRR K, L, R)
Sandy M	lucky Mineral (ST) leved Matrix (S4)		_ Depleted Dark Surface Redox Depressions /F	€(Γ/) :8\	Pie	amont riocapi sic Spodic (TA	Iain Solis (F19) (MLRA 1498)
Sandy R	edox (S5)	-		0)	Re	d Parent Mater	rial (F21)
Stripped	Matrix (S6)				Ver	y Shallow Dar	k Surface (TF12)
Dark Sur	face (S7) (LRR R, M	LRA 149B)			Oth	ner (Explain in	Remarks)
3							
"Indicators of Restrictive I	hydrophytic vegetation	on and wetle	and hydrology must be pr	esent, unless distu	rbed or problem	atic.	
Restrictive L	ayer (if observed):						
Type:	<u>1×//+</u>						No. X
Deptn (inc	nes):				Hydric S	foll Present?	Yes No _/\
Remarks:							
N.							
2							

WETLAND DETERMINATION DATA FOR	RM – Northcentral and Northeast Region			
Project/Site: New Garenuike Substation city	County Ene Caroty Sampling Date: 5/110/19			
Applicant/Owner New York State Electric and Gas Corp. (NYSEG	(T) States NV Sampling Point: P. (T) 3			
Investigator(s): <u>Nicole Durther</u> Section	on, Township, Range: $N/A$			
Landform (hillslope, terrace, etc.): Oring Local rel	ief (concave, convex, none); Con Cave, Slope (%); 3-52			
Subregion (LRR or MLRA): LRR L Lat 42,85301	5 Long: -78,766450 Datum: NAN 83			
Soil Man Unit Name: Co.A Churchigi IIa ci 14 Jaron O	to 3 apres at Slaves Mall classification N/At Mr. and			
Are climatic / hydrologic conditions on the site typical for this time of year? Y	res X No (If no, explain in Remarks.)			
Are Vegetation $N$ , Soil $N$ , or Hydrology $N$ significantly distur	bed? Are "Normal Circumstances" present? Yes X No			
Are Vegetation <u>N</u> , Soil <u>N</u> , or Hydrology <u>N</u> naturally problema	atic? (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 X No	Is the Sampled Area			
Hydric Soil Present? Yes X No	within a Wetland? Yes <u>X</u> No			
Wetland Hydrology Present? Yes X No	If yes, optional Wetland Site ID: Wetland 002			
Remarks: (Explain alternative procedures here or in a separate report.)				
PEM data point for PEM/PFO weth	rd ODZ. Locard in an uncleaned/maniping			
danian dans la provincia				
Butalo Creek.				
·	······································			
HYDROLOGY				
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)	s (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 Odd	or (C1) Crayfish Burrows (C8)			
Sediment Deposits (B2) Oxidized Rhizosphere	es on Living Roots (C3) X Saturation Visible on Aerial Imagery (C9)			
Drift Deposits (B3)	Iron (C4) Stunted or Stressed Plants (D1)			
Algal Mat or Crust (B4) Recent Iron Reduction	n in Tilled Soils (C6) $\underline{X}$ 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 X No Depth (inches):4				
Water Table Present? Yes X No Depth (inches): O''				
Saturation Present? Yes X No Depth (inches):	→ Wetland Hydrology Present? Yes <u> </u>			
Describe Recorded Data (stream gauge, monitoring well, aerial photos, prev	ious inspections), if available:			
Domotion				
located in a d				
- a anageney be	heer 2 access Rands,			

Tree Stratum (Plot size: $5\times5'$ )	Absolute Dominant Indicator % Cover Species? Status	Dominance Test worksheet:
1		Number of Dominant Species That Are OBL, FACW, or FAC: (A)
2		Tatal Mumber of Demiser t
3	<u> </u>	Species Across All Strata: (B)
4		Percent of Dominant Species
5		That Are OBL, FACW, or FAC: (A/B)
6		Prevalence index worksbeet:
7	·	Total % Cover of: Multiply by:
	= Total Cover	OBL species x 1 =
Sapling/Shrub Stratum (Plot size: $5' \times 5'$ )		FACW species x 2 =
1. Cornus alba	<u>30                                    </u>	FAC species x 3 =
2		FACU species x 4 =
3	· · · · · · · · · · · · · · · · · · ·	Column Totals: (A) (B)
4	<u></u>	
5		Prevalence Index = B/A =
6		Hydrophytic Vegetation Indicators:
7		▲ 1 - Rapid Test for Hydrophytic Vegetation
	$\underline{\mathcal{S}} \Phi$ = Total Cover	2 - Dominance Test is >50%
<u>Herb Stratum</u> (Plot size: $S X S$ )		4 - Morphological Adaptations <sup>1</sup> (Provide supporting
1. Typha angustipilla	to y OBL	data in Remarks or on a separate sheet)
2		Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
3		<sup>1</sup> Indicators of hydric soil and wetland hydrology must
4		be present, unless disturbed or problematic.
5	· · · · · · · · · · · · · · · · · · ·	Definitions of Vegetation Strata:
6		Tree – Woody plants 3 in. (7.6 cm) or more in diameter
7		
8		<b>Sapling/shrub</b> Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
9	······	Herb - All herbaceous (non-woody) plants, regardless of
10		size, and woody plants less than 3.28 ft tall.
12		Woody vines - All woody vines greater than 3.28 ft in
·	72) = Total Cover	height.
Woody Vine Stratum (Plot size: $5' \times 5'$ )		
1.		
2.		Hydrophytic
3		Present? Yes <u>X</u> No
4		
	= Total Cover	
Remarks: (Include photo numbers here or on a separate s	heet.)	
Vegetation plot sizes ad;	usted to fit whi	n Confines of Wothand
boundary.		,
0		
/		

$\begin{array}{c c} \hline \hline \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ $	;
0-12 104R 2/2 160 muck	
	·····
	- tulu -
Hydric Soil Indicators: Indicators:	soils <sup>3</sup> :
Histosol (A1) Polyvalue Below Surface (S8) (LRR R, 2 cm Muck (A10) (LRR K, L, M	ILRA 149B)
Histic Epipedon (A2) MLRA 149B) Coast Prairie Redox (A16) (LR	R K, L, R)
Hydrogen Sulfide (A4)	(LKR K, L, K) M)
Stratified Layers (A5) Loamy Gleyed Matrix (F2) Polyvalue Below Surface (S8) (	(LRR K, L)
Depleted Below Dark Surface (A11) Depleted Matrix (F3) Thin Dark Surface (S9) (LRR K	(, L)
Sandy Mucky Mineral (S1) Depleted Dark Surface (F6) Iron-Manganese Masses (F12)	(LRR K, L, R)
Sandy Gleyed Matrix (S4) Redox Depressions (F8) Mesic Spodic (TA6) (MLRA 14	4A, 145, 149B)
Sandy Redox (S5) Red Parent Material (F21)	40)
Surped Matrix (50) Very Shallow Dark Surface (1P Dark Surface (S7) (LRR R, MLRA 149B) Other (Explain in Remarks)	12)
<sup>3</sup> Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.	
Restrictive Layer (if observed):	
	Na
	NO
May also meet a Historol (A) or Black Histic (A3) indi	carly
but cruld not get more than 12-inches out due to	
deep standing water and high water table.	

WETLAND DETERMINATION DATA FORM - Nor	thcentral and Northeast Region
Project/site: New Gardenille Substation City/County 6	The County Sampling Date: 5/11/19
Applicant/Owner New York State Electric and Gas Corp. (NYSEG)	State: ALV Sampling Boint: DQ-(R)4
Investigator(s); Nicole Dutcher Section Townsh	in Range: N/A
Landform (hillslope, terrace, etc.): Draioai/wal local relief (concave	$\frac{1}{3} \frac{1}{3} \frac{1}$
Subregion (IRB or MIRA): $ARP I$ (a) 47, 852 (0.89)	Lang: -78 7/0/0457 Dotum: N/0/ 182
Soll Man Linit Name: C.A Church wills Still land At 3 Con	Long. <u>1077 20157</u> Datum: <u>1074</u> 05
Are climatic / hydrologic conditions on the site typical for this time of year? Yes	No. (If no explain in Remarks )
Are Vegetation N Soil N or Hydrology N significantly disturbed?	Are "Normal Circumstances" propert? Yes X
Are Vegetation N, Soil N, or Hydrology N naturally problematic?	(If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing sampling po	int locations, transects, important features, etc.
	united Assa
Hydrophytic Vegetation Present? Yes <u>No</u> is the San	Vetland? Yes X No
Wetland Hydrology Present? Yes X No	and Mathematication in the add (0)?
Remarks: (Explain alternative procedures here or in a separate report.)	
PFO data point for Provider wetland	002. Locates in a wordictural
dourse all in a solution has	
Croning That is not misinkined between	2 access Nods that thous to
Buffalo River.	
HYDROLOGY	
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) Mart 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) N/A Presence of Reduced Iron (C4)	Stunted or Stressed Plants (D1)
Algal Mat or Crust (B4) Recent Iron Reduction in Tilled S	oils (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 X No Depth (inches): $2''$	
Water Table Present? Yes X No Depth (inches):	
Saturation Present? Yes X No Depth (inches): O "	Wetland Hydrology Present? Yes 🔀 No
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspec	tions), if available:
Remarks:	

-turl	Absolute	Dominant Indicator	Dominance Test workshoot
Tree Stratum (Plot size: <u>5 × 5</u> )	% Cover	Species? Status	Number of Dominant Province
1. Populas adtoides	90	<u> </u>	- That Are OBL, FACW, or FAC:
2.			(v)
3			Total Number of Dominant
	•		B)
4			Percent of Dominant Species
5			That Are OBL, FACW, or FAC: 100/. (A/B)
6.			
7			Prevalence Index worksheet:
	00		- <u>Total % Cover of:</u> <u>Multiply by:</u>
-1	90	= Total Cover	OBL species x 1 =
Sapling/Shrub Stratum (Plot size: 5 × 5 )			FACW species x 2 =
1			FAC species x 3 =
2			FACU species x 4 =
2			UPL species x 5 =
3		<u></u>	Column Totals: (A) (B)
4			
5			Prevalence Index = B/A =
6.			Hydrophytic Vegetation Indicators:
			1 - Rapid Test for Hydronhytic Vegetation
·		<u></u>	2 - Dominance Test is >50%
	<u> </u>	= Total Cover	
<u>Herb Stratum</u> (Plot size: $\underline{S \times S}$ )			3 - Flevalence index is \$5.0
1. Typha angustibilia	30	Y OBL	data in Remarks or on a separate sheet)
			Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
2			
3		<u> </u>	Indicators of hydric soil and wetland hydrology must
4			be present, unless disturbed or problematic.
5			Definitions of Vegetation Strata:
6.			Tree Mondy plants 2 in (7.6 cm) or more in diameter
7			at breast height (DBH), regardless of height.
-	<u> </u>	<u></u> . <u></u>	
8			Sapling/shrub – Woody plants less than 3 in. DBH
9			and greater than or equal to 5.20 m (1 m) tail.
10			Herb – All herbaceous (non-woody) plants, regardless of
11			size, and woody plants less than 3.28 ft tall.
10			Woody vines - All woody vines greater than 3.28 ft in
12			height.
- / /	30 =	Total Cover	
Woody Vine Stratum (Plot size:)			
1.			
2	· ·		Hydrophytic
-		<u></u> _	Vegetation
3			Present? Yes <u>//</u> No
4			
	Ø =	Total Cover	
Remarks: (Include photo numbers here or on a separate s	heet.)		
	•	$\wedge$	
Vegetation plot size adi	intel	to tit Vim	wetland Soundary
pro pro sice aug	ajita		J. J.
			č

Profile Dese	cription: (De	escribe to	the dept	h needed to docu	ment the i	ndicator	or confirm	the absence of	indicators.)
Depth (inches)	Color (m	Matrix 10ist)		Color (moist)	ox Features %	S Type <sup>1</sup>		Texture	Remarks
0-17	1140	4/2	1002					A. Ir	romano
0.18	<u></u> /K		10076					Mude	·····
								·	
		···· ·				<u></u>			
								<u> </u>	·····
						<u> </u>	<u> </u>		
<u></u>	•					<u></u>	•·		
<u> </u>	<u></u>				·	<u></u>	<u></u>	<u> </u>	······
<u></u>					<u> </u>				·····
					<u> </u>				
<sup>1</sup> Type: C=Co	oncentration.	D=Deplei	ion. RM=F	Reduced Matrix, M	 S≈Masked	Sand Gra		<sup>2</sup> Location: P	I=Pore Lining, M=Matrix,
Hydric Soil	Indicators:							Indicators for	Problematic Hydric Soils <sup>3</sup> :
Histosol	(A1)			Polyvalue Belo	w Surface (	(S8) ( <b>LRR</b>	R,	2 cm Mucl	< (A10) ( <b>LRR K, L, MLRA 149B</b> )
Histic Ep	pipedon (A2)			MLRA 149B	)			Coast Prai	irie Redox (A16) ( <b>LRR K, L, R</b> )
Black Hi	stic (A3) n Sulfide (A4	i v	7	Thin Dark Surfa	ace (S9) (L	RR R, ML	RA 149B)	5 cm Muck	(V) Peat or Peat (S3) (LRR K, L, R)
Hydroge Stratified	Lavers (A5)	•)	4	Loamy Mucky r	Mineral (F1) Matrix (F2)	) (LKK K,	L)	Polyvalue	Below Surface (S8) (LRR K. L)
Depleted	Below Dark	Surface (	A11) _	Depleted Matrix	(F3)			Thin Dark	Surface (S9) (LRR K, L)
Thick Da	ark Surface (A	A12)	_	Redox Dark Su	rface (F6)			Iron-Mang	anese Masses (F12) (LRR K, L, R)
Sandy M	lucky Minera	l (S1)	-	Depleted Dark	Surface (F7	7)		Piedmont	Floodplain Soils (F19) (MLRA 149B)
Sandy G	edox (S5)	(54)			ions (F8)			Mesic Spo	dic (1A6) (MLRA 144A, 145, 149B)
Stripped	Matrix (S6)							Verv Shall	ow Dark Surface (TF12)
Dark Sur	rface (S7) (LI	RR R, ML	RA 149B)					Other (Exp	plain in Remarks)
<sup>3</sup> Indicators of	bydrophytic	venetatio	and wet	and hydrology mus	t he prese	ot unloce	dieturbed	or problematic	
Restrictive L	ayer (if obs	erved):		and hydrology mus					
Type:	N/	A							
Depth (inc	:hes):	-						Hydric Soil Pre	sent? Yes <u>X</u> No
Remarks:								I	
Ma	y talise	s m	ect o	Histosol	( A)	cr b	lack I	nistrc (A3)	Indicator but
Una	bu h	get	more	- then I	2-Inch	us d	own	die to	Stading water
and	high	1 W	ate	toble					
	l								

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region				
Project/Site: New Gardenville Substation City/County: Ene County Sampling Date: 5/16/19				
Applicant/Owner: New York State Electric and Gas Corp. (NYSEG)				
Investigator(s): Nicole Outcher Section, Township, Range: N/A				
Landform (hillslope, terrace, etc.): terrace, Local relief (concave, convex, none): Convex Slope (%): 3-5?				
Subregion (LRR or MLRA); LRR L Lat: 42,850368 Long: -78.766924 Datum: NAO'83				
Soil Man Unit Name: Ch- Capacitic Site Join Change till Substatum NWI classification: R 4SBC				
Are climatic / bydrologic conditions on the site typical for this time of yoad. You You You // free synchronia in Remarka )				
Are Vegetation V Soil V or Hudralogy N of an interster spice and units where of year in the second state of the second state o				
Are vegetation $\underline{N}$ , soil $\underline{N}$ , or Hydrology $\underline{N}$ as a significantly disturbed? Are Normal Circumstances' present? Yes $\underline{N}$ . No $\underline{N}$ Are Vegetation $\underline{N}$ , soil $\underline{N}$ , or Hydrology $\underline{N}$ 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 Present? Yes No X Is the Sampled Area				
Hydric Soil Present? Yes No X within a Wetland? Yes No X				
Wetland Hydrology Present?       Yes NoX       If yes, optional Wetland Site ID:				
Remarks: (Explain alternative procedures here or in a separate report.)				
Upland data point for Wetland 003, Located in built up area for				
Share to an training of the tr				
Simetires & Utitities for thansmission line,				
HYDROLOGY				
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 Roots (C3) Saturation Visible on Aerial Imagery (C9)				
Drift Deposits (B3) N/A 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 <u>No X</u> Depth (inches): ~				
Water Table Present? Yes No X Depth (inches):				
Saturation Present? Yes No Depth (inches): / Wetland Hydrology Present? Yes No (includes capillary fringe)				
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:				
Remarks:				
No wetland hydrology observed,				

Tree Stratum (Plot size: 35'R)	Absolute <u>% Cover</u>	Dominant Indicator Species? Status	Dominance Test worksheet:
1			Number of Dominant Species
2.			
3.			Species Across All Strata:
4.			
5			That Are OBL, FACW, or FAC: 502 (A/B)
	<u> </u>		
o	<u> </u>	·····	Prevalence Index worksheet:
/			Total % Cover of:Multiply by:
1513	_φ_	= Total Cover	OBL species x 1 =
Sapling/Shrub Stratum (Plot size: 10 K)			FACW species x 2 =
1			FAC species x 3 =
2			FACU species x 4 =
3			UPL species         x 5 =           Optimum Tables         (A)
4			(A) (B)
5			Prevalence Index = B/A =
6.	·		Hydrophytic Vegetation Indicators:
7.		······	1 - Rapid Test for Hydrophytic Vegetation
•	(Å		2 - Dominance Test is >50%
	<u></u>	= Total Cover	3 - Prevalence index is ≤3.0 <sup>1</sup>
1. Equistum Dalustre	30	Y FACW	4 - Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)
2. Cirsium arvense	10	N FACU	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
3. Taraxacum Officinala	10	N FACU	<sup>1</sup> Indicators of hydric soil and watland hydrology must
4 bolium persone	25	V Facu	be present, unless disturbed or problematic.
5 Berberis thunhadii	5	NI FACIL	Definitions of Vegetation Strata:
Tuch constitution	<u> </u>	N MCG	
7			Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
8			Sapling/shrub – Woody plants less than 3 in. DBH
9.			and greater than or equal to 3.28 ft (1 m) tall.
10			Herb All herbaceous (non-woody) plants, regardless of
11		<u> </u>	size, and woody plants less than 3.28 ft tall.
40	·		Woody vines – All woody vines greater than 3.28 ft in
ΙΖ			height.
2~10	-10 -	= Total Cover	
Woody Vine Stratum (Plot size:)			
1	······································	· · · · · · · · · · · · · · · · · · ·	
2			Vegetation
3	·		Present? Yes No A
4			
		- Total Cover	
Remarks: (Include photo numbers here or on a separate s	heet.)		1
Vegetation is distribut becau	use it	is located	in Row of transmission
line and structures.			

$\begin{array}{c c c c c c c c c c c c c c c c c c c $
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
6-12 104R 5/3 80? 2.54 6/8 20 C M C 12-20 104R 5/3 55 7.54R 5/6 40 C M C 2.54 6/8 5 C M
12-20 104R 5/3 55 7.54R 5/6 40 C M C 2.54 4/8 5 C M
2.5y 6/8 5 C M
<sup>1</sup> Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. <sup>2</sup> Location: PL=Pore Lining, M=Matrix.
Hydric Soil Indicators: Indicators for Problematic Hydric Soils <sup>3</sup> :
Histosoi (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, R)
Hydrogen Sulfide (A4) Loamy Mucky Mineral (F1) (LRR K, L) Dark Surface (S7) (LRR K, L, M)
Depleted Below Dark Surface (A11) Depleted Matrix (F3) Thin Dark Surface (S9) (LRR K, L)
Thick Dark Surface (A12) Redox Dark Surface (F6) Iron-Manganese Masses (F12) (LRR K, L, R)
Sandy Mucky Mineral (S1) Depleted Dark Surface (F7) Piedmont Floodplain Soils (F19) (MLRA 149B)
Sandy Gleyed Matrix (S4) Redox Depressions (F8) Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Sandy Redox (S5) Redox Lepressions (F8) Mesic Spodic (TA6) (MLRA 144A, 145, 149B)
Very Shallow Dark Surface (TF12)
Dark Surface (S7) (LRR R, MLRA 149B) Other (Explain in Remarks)
<sup>3</sup> Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.
Restrictive Layer (if observed):
Depth (inches):
Remarks:
Soils disturbed due to location in transmitic his on mutor
Kow and area built up,
·

WETLAND DETERMINATION DATA FORM -	- Northcentral and Northeast Region				
Project/Site: New Gadenville, Substation City/Count	ty: Ene County Sampling Date: S/10/19				
Applicant/Owner:New York State Electric and Gas Corp. (NYSEG)	State: <u>NY</u> Sampling Point: DP-008				
Investigator(s): Nicole Outcher O Section, T	ownship, Range:N/A				
Landform (hillslope, terrace, etc.): Local relief (c	concave, convex, none): <u>Concave</u> Slope (%): 1-32				
Subregion (LRR or MLRA): LRR L Lat: 42.850505	Long: ~78,766773 Datum: NAD '83				
Soil Map Unit Name: Ch - Canadice, Silt Jam, Changer til	1 Substratum NWI classification: Not Margard				
Are climatic / hydrologic conditions on the site typical for this time of year? Yes	X No (If no, explain in Remarks.)				
Are Vegetation N Soil N or Hydrology N significantly disturbed?					
Are Vegetation $N_{\rm or}$ , Soil $N_{\rm or}$ , or Hydrology $M_{\rm or}$ naturally problematic?	(If needed, explain any answers in Remarks.)				
SUMMARY OF FINDINGS – Attach site map showing samplin	ng point locations, transects, important features, etc.				
Hydrophytic Vegetation Present?     Yes     No     Is till       Hydric Soil Present?     Yes     No     with	he Sampled Area hin a Wetland? Yes <u>X</u> No				
Wetland Hydrology Present? Yes <u>X</u> No If ye	es, optional Wetland Site ID: V CHand UU3				
Remarks: (Explain alternative procedures here or in a separate report.)					
HEM data point for PEW/PSS wetland C	103. Wetland is Win a mapped				
NYSDER	11				
TOUEL FILM.					
HYDROLOGY					
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)				
Primary Indicators (minimum of one is required: check all that apply)	Surface Soil Cracks (R6)				
Surface Water (A1) X Water-Stained Leaves (B9)	Drainage Batterns (B10)				
High Water Table (A2)	Moss Trim Lines (B16)				
X Saturation (A3) Marl Deposits (B15)	Dry-Season Water Table (C2)				
Water Marks (B1) Hvdrogen Sulfide Odor (C1	1) Cravfish Burrows (C8)				
Sediment Deposits (B2)Oxidized Rhizospheres on Living Roots (C3)Crayfish Burrows (C8)					
Drift Deposits (B3)	(C4) Stunted or Stressed Plants (D1)				
Algal Mat or Crust (B4) Recent Iron Reduction in T	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 X No Depth (inches): O					
Saturation Present? Yes X No Depth (inches): () ''	Wetland Hydrology Present? Yes <u>X</u> No				
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous	inspections), if available:				
Demodes					
Remarks:					

Sampling Point: 0- 008

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<u>Tree Stratum</u> (Plot size: <u>301 K</u> ) 1)	Absolut <u>%</u> Cove	e Dominan <u>r Species?</u>	Indicator <u>Status</u>	Dominance Test worksheet:           Number of Dominant Species           That Are OBL, FACW, or FAC:
2 3				Total Number of Dominant Species Across All Strata: (B)
4 5				Percent of Dominant Species That Are OBL, FACW, or FAC: (A/B)
6 7			• •	Prevalence Index worksheet:
	_d	_ = Total Co	ver	OBL species x 1 =
Sapling/Shrub Stratum (Plot size: 15'R)	,			FACW species x 2 =
1.				FAC species x 3 =
·			•	FACU species x 4 =
۲				UPL species x 5 =
3	·			Column Totals: (A) (B)
4	· · · · · · · · · · · · · · · · · · ·			
5			- <u></u>	Prevalence Index = B/A =
6				Hydrophytic Vegetation Indicators:
7.				X 1 - Rapid Test for Hydrophytic Vegetation
······································	d	- Total Ca		2 - Dominance Test is >50%
	_φ	_ = 10tal Cov	/er	3 - Prevalence Index is ≤3.0 <sup>1</sup>
1. Typha angustifilla	90	<u> </u>	OBL	4 - Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)
2. Cornus atha	10	N.	FACW	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
3	<u></u>			<sup>1</sup> Indicators of hydric soil and wetland hydrology must
4				
5				Demittions of Vegetation Strata:
6 7				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
8				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
9 10	·····			Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
11				
12				woody vines – All woody vines greater than 3.28 it in height.
3/1	100	_ = Total Cov	er	
(Plot size: <u>OC /C</u> )				
۱۰ <u></u>		·		Hydrophytic
2				Vegetation
3	······	<u> </u>	<del></del>	Present? Yes <u>No</u> No
4				
	$\phi$	= Total Cov	er	
Remarks: (Include photo numbers here or on a separate s	heet.)			· · · · · · · · · · · · · · · · · · ·

Depth	Matrix		Rede	ox Feature	s			or maiou	0101	
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	<u> </u>	Remarks	
0-13	104R 2/2	losi			-		Muth			
			,							
		·		·	. <u></u>	·				**************************************
				·		<u></u>				
······		<u> </u>								
				·		<del></del>	<u></u>			
				······	<u> </u>					
					<u> </u>	<del> </del>				
		<u></u>								
		<u></u>					······································			
<u> </u>	·····	<u> </u>		<u></u>	<u></u>				······	
<u> </u>		<u> </u>								· · · · · · · · · · · · · · · · · · ·
<sup>1</sup> Type: C=Co	oncentration, D=Deple	etion, RM=F	Reduced Matrix, M	S=Masked	Sand Gra	lins.	<sup>2</sup> Location:	PL=Pore	Lining, M=Matr	ix.
Hydric Soil I	ndicators:						Indicators f	or Proble	matic Hydric S	Soils <sup>3</sup> :
K Histosol	(A1)	_	_ Polyvalue Belor	w Surface	(S8) ( <b>LRR</b>	1 R,	2 cm Mi	uck (A10)	(LRR K, L, ML	RA 149B)
Histic Ep	npedon (A2) stic (A3)		MLRA 149B	) 200 (SQ) (L		DA 140B)	Coast P	rairie Red	lox (A16) (LRR or Peat (S3) /I	K, L, R) PPKIP
Hydroge	n Sulfide (A4)	2	Loamy Mucky	Mineral (F1	) (LRR K,	L)	Dark Su	Inface (S7	) (LRR K, L, M)	ки к, <b>с</b> , к <i>ј</i>
Stratified	Layers (A5)	_	_ Loamy Gleyed	Matrix (F2)		•	Polyvalı	ue Below	Surface (S8) (L	RR K, L)
Depleted	Below Dark Surface	(A11)	Depleted Matrix	c (F3)			Thin Da	rk Surface	ə (S9) (LRR K, I	L)
Thick Da	rk Surface (A12)		_ Redox Dark Su Depleted Dark 1	rface (F6) Surfece (F <sup>*</sup>	7)		Iron-Ma	nganese I	Masses (F12) (L ain Saile (F10)	RR K, L, R)
Sandy M	leved Matrix (S4)		Depieted Dark	ions (F8)	()		Pleamon	ni Fiooupi nodic (TA	an Soiis (P19) 6) (MLRA 1444	(MILKA 1496) A. 145, 149B)
Sandy R	edox (S5)						Red Par	rent Mater	ial (F21)	,,,
Stripped	Matrix (S6)						Very Sh	allow Darl	k Surface (TF12	2)
Dark Sur	face (S7) (LRR R, MI	LRA 149B)					Other (E	Explain in I	Remarks)	
<sup>3</sup> Indicators of	hydrophytic vegetatio	on and wetl	and hydrology mus	t be prese	nt unless	disturbed	or problematic			
Restrictive L	ayer (if observed):									
Туре:	N/A									
Depth (inc	hes):						Hydric Soil P	resent?	Yes 🔀	No
Remarks:		,						<u>.</u>		

|--|

Project/Site: New Gardenville, Substation City/County: Cite County Sampling Date: 5/16/19
Applicant/Owner:New York State Electric and Gas Corp. (NYSEG) State:
Investigator(s): Nicon Dutzher O Section, Township, Range: N/A
Landform (hillslope, terrace, etc.): Hillslife Local relief (concave, convex, none): Qone Slope (%): 5?
Subregion (LRR or MLRA): <u>LRR L</u> Lat: <u>42,856613</u> Long: <u>-78,766729</u> Datum: <u>NAD'83</u>
Soil Map Unit Name: Ch-Canadia SILt Isam, Channey HII Substratum NWI classification: Not Mapped
Are climatic / hydrologic conditions on the site typical for this time of year? Yes Ven No (If no, explain in Remarks.)
Are Vegetation N, Soil N, or Hydrology N significantly disturbed? Are "Normal Circumstances" present? Yes X No
Are Vegetation <u>M</u> , soil <u>M</u> , or Hydrology <u>M</u> 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 Present? Yes <u>X</u> No Hydric Soil Present? Yes <u>X</u> No	Is the Sampled Area within a Wetland? Yes $X$ No
Wetland Hydrology Present? Yes X No	If yes, optional Wetland Site ID: Wetland 003
Remarks: (Explain alternative procedures here or in a separate report.) PSS data point for BEM/PSS W	etland CO3.
HYDROLOGY	
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 Leave	es (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 Od     Sediment Dependent (D2)	or (C1) Crayfish Burrows (C8)
Drift Deposits (B3)	d Iron (C4) Stunted or Stressed Plants (D1)
Algal Mat or Crust (84) Recent Iron Reduction	n in Tilled Soils (C6)
Iron Deposits (B5) Thin Muck Surface (C	C7) Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7) Other (Explain in Rer	narks) Microtopographic Relief (D4)
Sparsely Vegetated Concave Surface (B8)	K 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): () '	' Wetland Hydrology Present? Yes <u>X</u> No
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	vious inspections), if available:
Remarks:	
Shrub stems have water marks, s	Soil is saturated, but ho
water table was observed,	

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Trac Stratum (Plataine: 3/1/1)	Absolute	Dominant Species2	Indicator	Dominance Test worksheet:
1	-% Cover	<u>opecies r</u>		Number of Dominant Species
2				That Are OBL, FACW, or FAC: (A)
3				Total Number of Dominant (B)
4				
5	·		·	That Are OBL, FACW, or FAC: (A/B)
ő				
7				Prevalence Index worksheet:
·	d	- Total Cov		ORI species
Sanling/Shruh Stratum (Plot size: 15'P)	<del></del>			FACW species x2 =
1 Braus Ommuna	lan	У	FACIN	FAC species x 3 =
2 Cocours alle	UN UN		FACU	FACU species x 4 =
2		/	( /-1000	UPL species x 5 =
3	·	, <u></u>	·	Column Totals: (A) (B)
5.	•	<u></u>	·	Prevalence Index = B/A =
6.				Hydrophytic Vegetation Indicators:
7	ę.			1 - Rapid Test for Hydrophytic Vegetation
	1(2)	= Total Cov	er	2 - Dominance Test is >50%
Herb Stratum (Plot size: $5'/2$ )		- 10101 001	01	3 - Prevalence Index is ≤3.0 <sup>1</sup>
1 Comus alba	5	N	FACIN	4 - Morphological Adaptations <sup>1</sup> (Provide supporting
2 Imprisers Capensis	20	- <del>Y</del>	FAIW	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
3 Gluceta Melinda	25	<del>Ý</del>	AR.	<sup>1</sup> Indicators of hydric coil and watland hydrology must
A Carey Place	15	N	DR/	be present, unless disturbed or problematic.
5 Equistum alvense	10	N	FAC	Definitions of Vegetation Strata:
6. Rhannus Cathartica	<u> </u>	N	FAC	<b>Tree</b> – Woody plants 3 in. (7.6 cm) or more in diameter
7				at breast height (DBH), regardless of height.
8	<u></u>			<b>Sapling/shrub</b> – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
9				
10			<u></u>	size, and woody plants less than 3.28 ft tall.
11				Woody vines – All woody vines greater than 3.28 ft in
12	<u>(1)</u>			height.
<i>م</i> ب <i>0</i>	_00	= Total Cov	er	
Woody Vine Stratum (Plot size: 5/1C)				
1	<u> </u>	·		Hydrophytic
2	<u> </u>	<u> </u>		Vegetation
3				Present? Yes <u>No</u>
4		·		·
	<u> </u>	= Total Cov	er	
Remarks: (Include photo numbers here or on a separate s	sheet.)			

Profile Desci	ription: (Describe t	o the dept	h needed to docum	ent the i	ndicator	or confirm	the absence of	indicators.)
Depth	Matrix		Redox	Features	<u>s</u>			
(inches)	Color (moist)		Color (moist)	%	Type <sup>1</sup>	_Loc <sup>2</sup>	<u>    Texture                                    </u>	Remarks
0-10	104R 3/2	<u> 98</u>	7.54R 4/6	R	<u> </u>	M	<u> </u>	
10-16	10 YR 3/2	90	7.5424/6	10	C	m	CL	
	······································							
						. <u> </u>	······································	10 (100 man
			······································	·•				
			·			·	. <u></u>	
		<u> </u>					<u> </u>	
			···				<u> </u>	
				<u></u>	<u> </u>			
· ·								
<sup>1</sup> Type: C=Co	ncentration, D=Deple	etion, RM=I	Reduced Matrix, MS=	Masked	Sand Gra	ins.	<sup>2</sup> Location: P	L=Pore Lining, M=Matrix.
Hydric Soil Ir	ndicators:						Indicators for	Problematic Hydric Soils <sup>3</sup> :
Histosol (	A1)	-	Polyvalue Below	Surface	(S8) ( <b>LRR</b>	R,	2 cm Muc	k (A10) (LRR K, L, MLRA 149B)
Histic Epi	pedon (A2)		MLRA 149B)	- (00) /I	00 0 MI	DA 440D)	Coast Pra	irie Redox (A16) (LRR K, L, R)
Hvdroger	n Sulfide (A4)	-	Loamy Mucky Mir	e (39) (E heral (F1		L)	Dark Surf	ace (S7) (LRR K. L. M)
Stratified	Layers (A5)	-	Loamy Gleyed Ma	atrix (F2)	) )	-/	Polyvalue	Below Surface (S8) (LRR K, L)
Depleted	Below Dark Surface	(A11) _	Depleted Matrix (	F3)			Thin Dark	Surface (S9) (LRR K, L)
Thick Dar	k Surface (A12)	-	Kedox Dark Surfa	ace (F6)			Iron-Mang	janese Masses (F12) (LRR K, L, R)
Sandy Mi	ucky Mineral (S1)	-	Depleted Dark Su Bodey Depression	Irface (F	7)		Piedmont	Floodplain Soils (F19) (MLRA 149B)
Sandy G	eyed Mainx (54)	-	_ Redox Depression	IIS (FO)			Mesic Spo	Duic (1A0) (MLRA 144A, 145, 149B) nt Material (E21)
Stripped I	Matrix (S6)						Very Shal	low Dark Surface (TF12)
Dark Surf	ace (S7) (LRR R, M	LRA 149B)	)				Other (Ex	plain in Remarks)
3 maliantana af	hudro a budio una adadi					ما معام با		
Restrictive L	aver (if observed):	un and wet	and hydrology must i	be prese	nt, uniess	aisturbea	or problematic.	
Type:	N/A							
Depth (incl	nes):						Hydric Soil Pre	esent? Yes X No
Remarks:								
rtonianto.								

WETLAND DETERMINATION DATA FORM	- Northcentra	I and Northeast	Region
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Project/Site: New Gardenille Substation City/County: Ene County Sampling Date: 5/16/19
Applicant/Owner: New York State Electric and Gas Corp. (NYSEG) State: <u>NY</u> Sampling Point: <u>DP-O10</u>
Investigator(s): <u>Nicole Duther</u> Section, Township, Range: <u>N//A</u>
Landform (hillslope, terrace, etc.): Depression Local relief (concave, convex, none): Concave Slope (%): 1-52.
Subregion (LRR or MLRA): LRL Lat: 42.850,393 Long: -78.766146 Datum: NAO '83
Soil Map Unit Name: <u>Cb-Canadise Silt Joan, Chaney till Substatum</u> NWI classification: <u>R4SBC</u>
Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No (If no, explain in Remarks.)
Are Vegetation N, Soil N, or Hydrology N significantly disturbed? Are "Normal Circumstances" present? Yes X No
Are Vegetation $\underline{N}$ , Soil $\underline{N}$ , or Hydrology $\underline{N}$ 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 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: UCHard COY
Remarks: (Explain alternative proced	lures here or in a separate rep	ort.)
PEM data point for	ing a monoculture	Wetland Continues Beyons project study limits
to the cast becom	sing a monoculture	we phragmites stand. Wetland drains to
Stream ool. Locate	simplin a NYSE	DEC mapped wetland (BU-13).

### HYDROLOGY

Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
X Surface Water (A1) X 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) X Oxidized Rhizospheres on Living	Roots (C3) $\overline{X}$ Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3) N/A Presence of Reduced Iron (C4)	Stunted or Stressed Plants (D1)
Algai Mat or Crust (B4) Recent Iron Reduction in Tilled Sc	pils (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 X No Depth (inches): 2"	
Water Table Present? Yes X No Depth (inches): O "	
Saturation Present? Yes X No Depth (inches): O '	Wetland Hydrology Present? Yes 🔀 No
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspect	tions), if available:
Remarks:	

Sampling Point: DP-010

Tree Stratum (Plot size: 30 P)	Absolute % Cover	Dominani	Indicator Status	Dominance Test worksheet:
	70 COVEL	Species !	Status	Number of Dominant Species
3				That Are OBL, FACW, or FAC: (A)
2	<u> </u>			Total Number of Dominant
3				Species Across All Strata: (B)
4				Percent of Dominant Species
5	<del></del>			That Are OBL, FACVV, of FAC: (A/B)
6		·····		Prevalence Index worksheet:
7			. <u> </u>	Total % Cover of:Multiply by:
	<u> </u>	= Total Cov	ver	OBL species x 1 =
Sapling/Shrub Stratum (Plot size: 15'72)				FACW species x 2 =
1. Salix interior	10	У	FACW	FAC species x 3 =
2. Salix discolor	20	Ý	FARM	FACU species x 4 =
3. Comus alba	5	N	FArw	UPL species x 5 =
A			17200	Column Totals: (A) (B)
*				Prevalence Index = B/A =
S			• •	
6	·			Hydrophytic Vegetation Indicators:
7				X 2 Deminence Test in 50%
-12	<u>3S</u>	= Total Cov	/er	2 - Dominance Test is >50%
Herb Stratum (Plot size: 5'K)				$-$ 3 - Prevalence index is $\leq 3.0$
1. Typha latifolia	2	<u>    N                                </u>	BL	data in Remarks or on a separate sheet)
2. Phalans anundinacea	<u>    5  </u>	N	FACW	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
3. Salix discolor	15	Y	FACW	<sup>1</sup> Indicators of hydric soil and wetland hydrology must
4. Carex Flava	10	ý	GBL	be present, unless disturbed or problematic.
5 Salai interior	5	Ň	FALL	Definitions of Vegetation Strata:
	<u> </u>	<u> </u>	(B)	
-				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
<i>.</i>		<u></u>	·	
8				and greater than or equal to 3.28 ft (1 m) tall.
9				
10		•·····		size, and woody plants less than 3.28 ft tall.
11				Weeds since All weeds wines master than 2.39 A in
12		·		height.
	57 :	= Total Cov	er	
Woody Vine Stratum (Plot size: 35/P)				
1.				
2	·····			Hydrophytic
3				Vegetation Ves X No
A			<u> </u>	
4	d		·	
Pomerkey (leolude shate such as here as a second	<u> </u>	Total Cov	er	
Remarks: (include photo numbers here or on a separate s	neet.)			

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Sampling Point: DP-010

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Profile Des	cription: (Describe	to the dep	th needed to docum	nent the i	indicator	or confirm	the absence	of indicators.)	)	
Depth	Matrix		Redox	x Feature	<u>s</u>	. 2	<b></b>	÷	<b>D</b>	
O-4	104R 2/1	98	J.SVR 3/4	 2		- <u>Loc</u> - PL	<u> </u>	<u></u>	Remarks	
4-12	104R 2/1	85	7,54p 3/4	15	C	PL	SiL	mixed	wg	ravel
Image: Type: C=Cr         Image: Type: C=Cr         Hydric Soll         Image: Type: Type: C=Cr         Hydric Soll         Image: Type: Ty	oncentration, D=Depl Indicators: (A1) pipedon (A2) istic (A3) en Sulfide (A4) d Layers (A5) d Below Dark Surface ark Surface (A12) fucky Mineral (S1) Sleyed Matrix (S4) Redox (S5)	e (A11)	Reduced Matrix, MS Polyvalue Below MLRA 149B) Thin Dark Surfac Loamy Mucky Mi Loamy Gleyed M Depleted Matrix Redox Dark Surf Depleted Dark S Redox Depressic	=Masked Surface Surface Surface (F1) Intrix (F2) (F3) Face (F6) urface (F6) urface (F8)	Sand Gra Sand Gra (S8) (LRR (RR R, ML ) (LRR K, )		<sup>2</sup> Location: Indicators f 2 cm Mi Coast F 5 cm Mi Dark Su Polyvali Thin Da Iron-Ma Piedmo Mesic S Red Par Very Sh	PL=Pore Linir for Problemati uck (A10) (LRF Prairie Redox (/ ucky Peat or Pr urface (S7) (LR ue Below Surfa trk Surface (S9 nganese Mass nt Floodplain S spodic (TA6) (N rent Material (F allow Dark Sur	ng, M=Matr Ic Hydric S R K, L, MLF A16) (LRR eat (S3) (Ll R K, L, M) ace (S8) (LI b) (LRR K, I Soils (F12) (L Soils (F12) (L ALRA 144A F21) rface (TF12	x. oils <sup>3</sup> : RA 149B) K, L, R) RR K, L, R) RR K, L, R) -) RR K, L, R) MLRA 149B) , 145, 149B)
Dark Su	rface (S7) (LRR R, M	ILRA 149B	)				Other (E	Explain in Rem	arks)	
Indicators of Restrictive I	f hydrophytic vegetati aver (if observed):	ion and wel	land hydrology must	be prese	nt, unless	disturbed	or problematic.			·····
Type:	N/A									
Depth (inc	ches):						Hydric Soil F	Present? Ye	s_ <u>×</u>	No
Remarks:										
		•								
	a* *									
										0

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WETLAND DETERMINATION DATA FO	RM – Northcentral and Northeast Region					
Project/site: New Gadenille Substation city	county: Ene County Sampling Date: 5/16/19					
Applicant/Owner: New York State Electric and Gas Corp. (NYSE	G) State: NV Sampling Point: DP-C//					
Investigator(s): Nicolu Dutcher sect	ion, Township, Range:					
Landform (hillslope, terrace, etc.): Terrace Local re	lief (concave, convex, none): <u>none</u> Slope (%): 1-32					
Subregion (LRR or MLRA): LRL L Lat: 42.850	459 Long: -78,766213 Datum: NAD'83					
Soil Map Unit Name: Cb-Canadise Silt Imm. Change	in till Substation NWI classification: Not Manual					
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes $X$ No (If no. explain in Remarks.)					
Are Vegetation V Soil V or Hydrology N significantly distu						
Are Vegetation <u>N</u> , Soil <u>N</u> , or Hydrology <u>N</u> 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 Present?       Yes No         Hydric Soil Present?       Yes No X	is the Sampled Area 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.)	·					
Upland data point for Em Wetland Row für transmission line.	s 004. Located in Existing mointaines					
HYDROLOGY						
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 Leave	s (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 Od	or (C1) Crayfish Burrows (C8)					
Sediment Deposits (B2) Oxidized Rhizosphere	es on Living Roots (C3) Saturation Visible on Aerial Imagery (C9)					
Drift Deposits (B3)	I 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 Surrace (B8)	FAC-Neutral Test (D5)					
Freid Observations:						
Weter Table Descent? Yes No Depth (inches):						
Saturation Present? Yes No X Depth (inches):						
(includes capillary fringe)	Wettand Hydrology Present? Tes No _/					
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	vious inspections), if available:					
Remarks:						
Mis werland hydniligy observed						

	Alexanderia	<b>B</b>				
Tree Stratum (Plot size: 30'R)	Absolute % Cover	Species? State	Dominance Test worksheet:			
1			Number of Dominant Species			
1	<u> </u>		That Are OBL, FACW, or FAC: (A)			
2		<u></u>	Total Number of Dominant			
3			Species Across All Strata:			
4						
			- Percent of Dominant Species			
b	<u> </u>	······				
6			- Prevalence Index worksheet			
7			Total % Cover of: Multiply by:			
	6					
1510	<u> </u>	- Total Cover				
Sapling/Shrub Stratum (Plot size: 10 12.)			FACW species x 2 =			
1			FAC species x 3 =			
2.			FACU species x 4 =			
2			UPL species x 5 =			
- 3			— Column Totals: (A) (B)			
4						
5	<u> </u>		Prevalence Index = B/A =			
6.			Hydrophytic Vegetation Indicators:			
7		<u> </u>	1 - Ranid Test for Hydronhytic Vegetation			
1			$\sim$			
	<u> </u>	= Total Cover				
Herb Stratum (Plot size: <u>5'P</u> )			3 - Prevalence Index is \$3.0			
1 Euthomia caminifilia	30	Y FA	4 - Morphological Adaptations' (Provide supporting			
Para anti accin	25	V FA	Deploration Underspection 1 (Surplain)			
2. Fanoralius dary						
3. Lollium perenne	15	N FAC	U Indicators of hydric soil and wetland hydrology must			
4. honiera tatuñca	10	W FAC	be present, unless disturbed or problematic.			
5 Dias-aris lacinistis	10	NI FACI	) Definitions of Vegetation Strata:			
o ponens normanus		14_1AC				
6	·		Tree – Woody plants 3 in. (7.6 cm) or more in diameter			
7			at breast neight (DBH), regardless of height.			
8			Sapling/shrub – Woody plants less than 3 in. DBH			
9			and greater than or equal to 3.28 ft (1 m) tall.			
10			<ul> <li>size, and woody plants less than 3.28 ft tall.</li> </ul>			
11	·					
12			Woody vines – All woody vines greater than 3.28 ft in beight			
	100 -	Tatal Causa				
	100-	Total Cover				
Woody Vine Stratum (Plot size:)						
1						
2.			Hydrophytic			
3			- Vegetation Voc No			
	·	· · · · · · · · · · · · · · · · · · ·				
4						
	<u>_</u>	Total Cover				
Remarks: (Include photo numbers here or on a separate s	heet.)					
Vegetation is disturbed because it is locater whin an active Row.						
regetation much dominance test, however dominant regetation is all						
tada Itative	tadailtative.					
·						

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)										
Depth	Matrix		Redo	x Feature	<u>s</u> 	12	<b>T</b> (	Demode		
(> 4	104R 3/2		Color (moist)	%	I ype	LOC	<u> </u>	Miles we thick agent		
4+			·····					Gab D Cal		
				····	<u></u>	<u> </u>		Oranel Ketusul		
					<del></del>					
	- <u></u> .				<u> </u>					
<u></u>					<u> </u>					
							<u> </u>			
					<u></u>			· · · ·		
	······································	<u> </u>		<u> </u>				· · · · · · · · · · · · · · · · · · ·		
<sup>1</sup> Type: C=C	oncentration. D=Deple	tion. RM=Re	educed Matrix, MS	 a≂Masked	Sand Gra	ins.	<sup>2</sup> Location	· PI =Pore Lining M=Matrix		
Hydric Soil	Indicators:						indicators	for Problematic Hydric Soils <sup>3</sup> :		
Histosol	(A1)		Polyvalue Below	/ Surface	(S8) ( <b>LRR</b>	. <b>R</b> ,	2 cm M	fuck (A10) (LRR K, L, MLRA 149B)		
Black Hi	istic (A3)		MLKA 149B) Thin Dark Surfa	ce (S9) (L	RR R. ML	RA 149B)	Coast   5 cm N	Praine Redox (A16) (LRR K, L, R) luckv Peat or Peat (S3) (LRR K, L, R)		
Hydroge	en Sulfide (A4)		Loamy Mucky M	lineral (F1	) (LRR K,	L) <sup>(</sup>	Dark S	urface (S7) (LRR K, L, M)		
Stratified	t Layers (A5) d Below Dark Surface (	·Δ11)	Loamy Gleyed N	/atrix (F2)	)		Polyva	lue Below Surface (S8) (LRR K, L)		
Thick Da	ark Surface (A12)	<u>~ ~ ~</u>	Redox Dark Sur	face (F6)			Iron-Ma	anganese Masses (F12) (LRR K, L, R)		
Sandy M	lucky Mineral (S1)		Depleted Dark S	urface (F	7)		Piedmo	ont Floodplain Soils (F19) (MLRA 149B)		
Sandy G	Bleyed Matrix (S4)		Redox Depressi	ons (F8)			Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Red Parent Material (E21)			
Stripped	Matrix (S6)						Very Shallow Dark Surface (TF12)			
Dark Su	rface (S7) (LRR R, ML	RA 149B)					Other (	Explain in Remarks)		
<sup>3</sup> Indicators of	f hydrophytic vegetatio	n and wetlar	nd hydrology must	be prese	nt, unless	disturbed	or problematic			
Restrictive I	ayer (if observed):									
Type:										
Depth (inc	ches):						Hydric Soil	Present? Yes No		
Solution	its and			<b>L</b>	l <u>.</u>	10		Days will		
sours are alstyled are TO location hear a kous wi										
a built up area abound a transmission Structure, Multiple										
Soil pits attempted, but unable to get below 4-inches due.										
To thick gravel mixed in the Soil profile. Soils presuments										
be non-hydric since no wetland hydrology or hydrophytic										
Vegetation was obscreed.										

WETLAND DETERMINATION DATA FORM - No	rthcentral and Northeast Region					
Project/Site: New Goodenuille, Substation City/County:	Ene County Sampling Date: 5/16/19					
Applicant/Owner: _New York State Electric and Gas Corp. (NYSEG)	State: NY Sampling Point: DP-012					
Investigator(s): Nicola Dutcher Section, Townsi	hip, Range:N/A					
Landform (hillslope, terrace, etc.): Local relief (concav	re, convex, none): <u>NON</u> Slope (%): 1-3?					
Subregion (LRR or MLRA): LAR Lat: 42,850459	Long: -78.766213 Datum: NAN '83					
Soil Map Unit Name: COA-Churchistle Silt loom. Oto 3 prove	nr 5 hars NWI classification: Not Manual.					
Are climatic / hydrologic conditions on the site typical for this time of year? Yes	No (If no, explain in Remarks.)					
Are Vegetation N, Soil N, or Hydrology N significantly disturbed?						
Are Vegetation $\underline{M}$ , Soil $\underline{M}$ , or Hydrology $\underline{M}$ naturally problematic?	(If needed, explain any answers in Remarks.)					
SUMMARY OF FINDINGS – Attach site map showing sampling po	oint locations, transects, important features, etc.					
Hydrophytic Vegetation Present?       Yes No X       Is the Sa         Hydric Soil Present?       Yes No X       within a V         Wetland Hydrology Present?       Yes No X       Is the Sa	mpled Area Wetland? Yes No X					
Remarks: (Explain alternative procedures here or in a separate report.)	tional Wetland Site ID:					
Upland data point located on south side Once have been cleared but it has be back to natural state. Located w/in 100'-a,	of Stream WI. Area appears to en allowes to re-generate, and go djacent area of N4SDEC BU-13,					
HYDROLOGY						
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)						
Drift Deposits (B2)	Roots (C3) Saturation Visible on Aerial Imagery (C9)					
Algal Mat or Crust (P4)	Stunted of Stressed Plants (D1)					
Iron Denosits (B5) Thin Muck Surface (C7)	Solis (C6) Geomorphic Position (D2)					
Inundation Visible on Aerial Imageny (B7) Other (Evolution in Romarko)	Snallow Aquitaro (D3)					
Sparsely Vegetated Concave Surface (B8)	Microlopographic Relief (D4)					
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 inspe-	ctions), if available:					
Remarks:						
Nes Auerlans hydrology,						

US Army Corps of Engineers
**VEGETATION** – Use scientific names of plants.

Sampling Point: DP-012

· · · · · · · · · · · · · · · · · · ·	·····			
Tree Stratum (Plot size: 30 R)	Absolute % Cover	Dominan Species2	t Indicator	Dominance Test worksheet:
	76 COVer	Species /		Number of Dominant Species
1				That Are OBL, FACW, or FAC: (A)
2				Total Number of Dominant
3.				Species Across All Strata: (B)
1				(-)
	<u> </u>			Percent of Dominant Species
5				That Are OBL, FACW, OF FAC: (A/B)
6				Prevalence Index worksheet:
7				Total % Cover of Multiply by
	d	- Total Ca		
1510	<u> </u>	= Totar Co	ver	
Sapling/Shrub Stratum (Plot size: 10 [2])	110			FACW species x 2 =
1. Cornus amomun	<u>45</u>	<u> </u>	FACUS	FAC species x 3 =
2. Rubus idaeus	15	Ý	FAUL	FACU species x 4 =
				UPL species x 5 =
·	·			Column Totals: (A) (B)
4				
5			-	Prevalence Index = B/A =
6.				Hydrophytic Vegetation Indicators:
7	<u> </u>			1 - Ranid Test for Hydrophytic Vegetation
<i>l</i>				2 - Dominance Test is >50%
-1-	<u>    46    </u> :	= Total Cov	ver	2 - Dominance Test is >50%
Herb Stratum (Plot size: <u>5' K</u> )				
1. Arctium minus	30	V	FAIL	4 - Morphological Adaptations' (Provide supporting data in Remarks or on a senarate sheet)
2 Cocour Branching	10		FALL	Problematic Hydrophytic Vegetation <sup>1</sup> (Evaluate)
Z. COTTOS attant	<u> </u>		IMON	
3. Champus Cathartica	<u> </u>	<u>N</u>	FAC	<sup>1</sup> Indicators of hydric soil and wetland hydrology must
4. Lolium Perenne	10	Ņ	FALL	be present, unless disturbed or problematic.
5 Inontriens Canonsis	15	N	FACILI	Definitions of Vegetation Strata:
Cocours Karanon	 ~	<u>  </u>	<u>Treve</u>	
0. <u>Corrius racerriona</u>		<u> </u>	FAC	Tree – Woody plants 3 in. (7.6 cm) or more in diameter
7. Kanunchstus achs	<u> </u>		FAC	at breast neight (DBH), regardless of neight.
8				Sapling/shrub - Woody plants less than 3 in. DBH
9.				and greater than or equal to 3.28 ft (1 m) tall.
10				Herb - All herbaceous (non-woody) plants, regardless of
10				size, and woody plants less than 3.28 ft tall.
11			·	
12				woody vines – All woody vines greater than 3.28 ft in height.
	90 -	Total Cov	or	
Wardy Vine Station (Distring 3)/P		- 10121 000		
Woody vine Stratum (Plot size:)				
1				
2				Hydrophytic
3.				Present? Yes No
4				
	Ø=	Total Cov	er	
Remarks: (Include photo numbers here or on a separate s	heet.)			

#### SOIL

#### Sampling Point: DP-012

Profile Desc	ription: (Describe (	to the dep	th needed	to docur	nent the i	ndicator	or confirm	the absence of indic	ators.)	
Depth (inches)	Color (moist)	%	Color (r	Redo	x Features			Toxturo	Bomarka	
0-9	INVE 312	100							Keilidiks	
9 -70	101P 12	-70		3/2	20					
1_20	107K 119	<u> </u>	IUYK			<u> </u>	<u>M</u>	JIL		
			IDYR	5/6	10	<u> </u>	<u> </u>			
								<u> </u>		
							<u> </u>		······································	
		·						<u></u>		
		<u> </u>			••••					
										· · · · · · · · · · · · · · · · · · ·
	<u></u>			······			<del>,</del>			
		<u></u> .								
							·	······		· · · · · · · · · · · · · · · · · · ·
<sup>1</sup> Type: C=Co	ncentration. D=Deple	etion, RM=	Reduced M	latrix. MS	=Masked	Sand Gra	 ins	<sup>2</sup> l ocation: Pl =Po	re Lining M=Matrix	,
Hydric Soil I	idicators:				maonou			Indicators for Prob	lematic Hydric So	oils <sup>3</sup> :
Histosol (	A1)	-	Polyval	ue Below	/ Surface (	S8) ( <b>LRR</b>	R,	2 cm Muck (A16	) (LRR K, L, MLR	A 149B)
Histic Epi	pedon (A2)			A 149B)	(00) // /			Coast Prairie R	edox (A16) (LRR K	(, L, R)
Hydroger	Sulfide (A4)	-	Loamv	ark Surrad Mucky M	ce (S9) (LI ineral (F1)	KR K, ML	RA 149B) L)	5 cm Mucky Pe Dark Surface (S	at or Peat (S3) (LR 37) (IRR K I M)	R K, L, R)
Stratified	Layers (A5)	-	Loamy	Gleyed M	latrix (F2)		-)	Polyvalue Belov	v Surface (S8) (LR	R K, L)
Depleted	Below Dark Surface	(A11) _	Deplete	ed Matrix	(F3)			Thin Dark Surfa	ice (S9) (LRR K, L)	)
Thick Dar	k Surface (A12)	-	Redox	Dark Sur	face (F6)			Iron-Manganes	e Masses (F12) (LF	RR K, L, R)
Sandy Mi Sandy Gl	icky Mineral (S1) eved Matrix (S4)	-	Deplete	d Dark S	urface (F7	)		Piedmont Flood	plain Soils (F19) (N	ALRA 149B)
Sandy Re	dox (S5)	-		Depressi	5113 (1 0)			Red Parent Mat	erial (F21)	(43, 1490)
Stripped I	Matrix (S6)							Very Shallow D	ark Surface (TF12)	
Dark Surf	ace (S7) (LRR R, MI	RA 149B)	)					Other (Explain i	n Remarks)	
<sup>3</sup> Indicators of I	vdronhytic vegetatic	n and wet	and hydrol	oov must	he preser	t unless	dieturbed c	or problematic		
Restrictive La	yer (if observed):			ogy must	be preser	n, umess (				
Туре:	N/A									
Depth (inch	es):							Hydric Soil Present	? Yes	No <u>×</u>
Remarks:					······································		1			
	N6 hy dri	= Soil	's oby	eved	f .					

WETLAND DETERMINATION DATA FO	RM Northcentral and Northeast Region
Project/site: New Gadenville Substation City	County: Ene Canty Sampling Date: 5/16/19
Applicant/Owner: New York State Electric and Gas Corp. (NYSEC	G) State: NY Sampling Point: DP-013
Investigator(s): Nicola Dutcher O sect	ion, Township, Range: NIA
Landform (hillslope, terrace, etc.); Tanace Local re	lief (concave, convex, none): NACH, Slope (%): 1-32
Subregion (LRR or MLRA): LRL Lat: 42. 8498	(19 1000: -78, 746 958 Datum: NAD'83
Soil Map Unit Name: CoA - Churchvilla Silt loom Oto	3 armont Simer NWI dessification: Not Manaed
Are climatic / hydrologic conditions on the site typical for this time of year?	Ver X No. (If no evolution in Permetters)
Are Variation X Soil X or Hydrology N significantly distu	
Are Vegetation $\underline{N}$ , Soil $\underline{N}$ , or Hydrology $\underline{N}$ naturally 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 🗡
Wetland Hydrology Present? Yes No X	If yes, optional Wetland Site ID:
Remarks: (Explain alternative procedures here or in a separate report.)	
Upland data point, located south of a	gravel access road. Area has been used for
Staging and Dumping.	
HYDROLOGY	
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 Leave	s (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 Odd	or (C1) Crayfish Burrows (C8)
Sediment Deposits (B2) Oxidized Rhizosphere	es on Living Roots (C3) Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3)	Iron (C4) Stunted or Stressed Plants (D1)
Algai Mat or Crust (B4) Recent Iron Reduction	n in Tilled Soils (C6) Geomorphic Position (D2)
Iron Deposits (B5) Thin Muck Surface (C	7) Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7) Other (Explain in Rem	narks) Microtopographic Relief (D4)
Sparsely Vegetated Concave Surface (B8)	FAC-Neutral Test (D5)
Surface Water Present? Ves No X Dopth (inches):	
Water Table Present? Yes No X Depth (inches):	
Saturation Present? Yes No X Depth (inches): -	Wetland Hydrology Present? Yes No $\times$
(includes capillary fringe)	
beschipe Recorded Data (stream gauge, montoning weil, aenai photos, prev	
Remarks:	
No wetland hydrology observe	
1	

#### VEGETATION - Use scientific names of plants.

	Absolute	Dominant	Indicator	Bi Tibt-
Tree Stratum (Plot size: 30' R)	% Cover	Species?	Status	Dominance Test worksneet:
+ Populus deltaides	15	V	FAC	Number of Dominant Species
1. Ioparus corroious			1	
2		······	·	Total Number of Dominant
3		·····	. <u></u>	Species Across All Strata: (B)
4.				Percent of Dominant Species
e				That Are OBL, FACW, or FAC: (A/B)
J			·	
6	·····	<del> </del>	·	Prevalence Index worksheet:
7			·	Total % Cover of: Multiply by:
	15	= Total Cov	er	OBL species x1 =
15'7				FACW species x 2 =
Saplind/Shrub Stratum (Plot size:)				
1. Loniara Tatanca	40	¥	1º ACU	
2.		,		FACU species X4 =
2		-		UPL species x 5 =
	<u></u>			Column Totals: (A) (B)
4	<del>;</del>	. <del></del>		Provolence index = B/A =
5		<u></u>		Flovaletice Hulex - D/A -
6				Hydrophytic Vegetation Indicators:
7.				1 - Rapid Test for Hydrophytic Vegetation
	40	= Total Co		2 - Dominance Test is >50%
~10		~ 10(2) 00		3 - Prevalence Index is ≤3.0 <sup>1</sup>
Herb Stratum (Plot size:)	~	ы	<b>FA</b> ,	4 - Morphological Adaptations <sup>1</sup> (Provide supporting
1. Kanurculus acris	<u> </u>	<u> </u>	FAC	data in Remarks or on a separate sheet)
2. Lonicera tatarica	<u> </u>	<u>     N     </u>	HACU	Problematic Hydrophytic Vegetation (Explain)
3. Lolium Derenne	35	Y	FACU	<sup>1</sup> Indicators of hydric soil and wetland hydrology must
, Rhimmur Cathadia	20	Ý	FAC	be present, unless disturbed or problematic.
4. Francisco Carrentica	10		TO UI	Definitions of Veretation Strata:
5. Lotus Corniculatur			FACU	Deminuonis of Togometon en La.
6. Ambrosia artemisiifolia	<u> S</u>	<u>N</u>	HACU	Tree - Woody plants 3 in. (7.6 cm) or more in diameter
7.				at breast height (DBH), regardless of height.
9				Sapling/shrub – Woody plants less than 3 in. DBH
0				and greater than or equal to 3.28 ft (1 m) tall.
9				Herb All backsong (non-woody) plants resardless of
10				size, and woody plants less than 3.28 ft tall.
11.				
10				Woody vines – All woody vines greater than 3.28 ft in
12.	100			neight.
<b>A A</b>	100	= Total Cov	er	
Woody Vine Stratum (Plot size: 36/2)				
1.				
0	<u></u>			Hydrophytic
2				Vegetation
3	<u></u>			Present? res No 2_1
4				
	d	= Total Cov	er	
Remarks: (include photo numbers here or on a separate	sheet.)		- <u> </u>	L
	-7			

#### SOIL

Denth	Moter	to the depti	ו הפטפס נס מסכע	anent the	indicator	or contin	m ine absence	or indicators.)
(inches)	Color (moist)	%	Color (moist)	<u> </u>	<u>s</u> Type <sup>1</sup>	_Loc <sup>2</sup>	Texture	Remarks
0-6	104R 3/2	1002		. <u></u>			SIL	mixed w gravel
		•	······································			<u></u>	-	<u> </u>
	<u> </u>	• ••••••••••••••••••••••••••••••••••••						
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	. <u></u>							
				<u> </u>				
<sup>1</sup> Type: C=Co	ncentration, D=Depl	etion, RM=R	educed Matrix, MS	 S=Masked	Sand Grai		<sup>2</sup> Location:	PL=Pore Lining, M=Matrix.
Hydric Soil I	ndicators:					_	Indicators f	or Problematic Hydric Soils <sup>3</sup> :
Histic Ep	(A1) ipedon (A2)		_ Polyvalue Belov MLRA 149B)	v Surface (	S8) (LRR	R,	2 cm Mi Coast P	uck (A10) ( <b>LRR K, L, MLRA 149B</b> ) rairie Redox (A16) ( <b>LRR K, L, R</b> )
Black His Hydroger	itic (A3) 1 Sulfide (A4)		Thin Dark Surfa	ce (S9) (Ll lineral (E1)	RR R, MLI	RA 149B)	5 cm Mi	ucky Peat or Peat (S3) (LRR K, L, R)
Stratified	Layers (A5)		Loamy Gleyed N	Aatrix (F2)	, ( <b>E</b> 1333 73, 1	<b></b> /	Polyvalu	ie Below Surface (S8) (LRR K, L)
Depleted Thick Dar	Below Dark Surface rk Surface (A12)	(A11)	Depleted Matrix Redox Dark Sur	(F3) face (F6)			Thin Da	rk Surface (S9) (LRR K, L)
Sandy Mu	ucky Mineral (S1)		Depleted Dark S	urface (F7	)		Piedmor	nt Floodplain Soils (F19) (MLRA 149B)
Sandy Gi Sandy Re	eyed Matrix (S4) idox (S5)		Redox Depressi	ons (F8)			Mesic S Red Par	podic (TA6) ( <b>MLRA 144A, 145, 149B</b> ) ent Material (F21)
Stripped I Dark Surf	Matrix (S6) íace (S7) ( <b>LRR R, M</b> i	L <b>RA 149B</b> )					Very Sh Other (E	allow Dark Surface (TF12) xplain in Remarks)
<sup>3</sup> Indicators of I	hydrophytic vegetatio	on and wetlar	nd hydrology must	be presen	it, unless d	listurbed	or problematic.	
Restrictive La	ayer (if observed):		·				·····	
Depth (inch	10/14 nes): —						Hydric Soil P	
Remarks:								
Si I	is are di	sturbed	the to	oreo	. be	Ĵ	used for	Staging and
dury	o piles	off o	fond	îUESS	Nad.	, r	udHpu	Soll pits attempts
but	Unable A	o que	below	6- n	icher	due	+ - +	hick gravel in
the	Soil profic	c, Pro	estimal n	st hy	dric	due	te nu	methand hydroky
61	Wegetation	).						

#### APPENDIX B-1 STREAM DATA FORMS

(Data Forms From December 18, 2018 Site Visit)



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# **Stream Data Form**

Stream Field ID: <u>Stream 001</u>
Data Point ID: <u>DP-004</u> Date: <u>12/18/18</u>
Project Name: New Gardenville Substation Project
Evaluator(s): Nicole Dutcher
County: <u>Erie Count</u> State: <u>NY</u>
Stream Name: Buffalo Rive
State Classified: Yes X No Not Applicable
Lat: $42.850293$ Long: $-78.746927$
Hydrologic Characteristics
Flow Regime: Perennial X Intermittent Ephemeral
Surface Water: Present 🔀 Absent
Perceptible Flow: Present 🔀 Åbsent
Water Depth at Thalweg:
Wetted Perimeter Width: <u>8'</u>
Flow/Gradient Direction: West
Geomorphologic Characteristics
Primary Substrate Class: <u>Sì I</u>
Width (ft.)
at DP Max
OHWM <u>81 81</u>
Top of Bank $                                     $
Bank Slope [Reported as % or Horizontal:Vertical(H:V)]:
Left:} 2
Right:(;)
Bank Stability Summary
Right: Mustly stable - highly regulated wi
little reidence of bank erosion
Lotte State of the state
LUIL Jonewhat Stable - Steep Unks in Sare
Sports WI DUNKE SHARES



Data Point ID: DP-006	
Habitat Characteristics	
Aquatic Vegetation Present: Yes No X If Yes, Describe:	
Aquatic Organisms Observed: Yes No X If Yes, Describe:	
Terrestrial Organisms Observed: Yes No X If Yes, Describe:	
Riparian Characteristics	
Riparian Vegetation Description (0' to 150' from TOB):	
Left: 0-150'- Upland astrobed areas w	
gravel access mad	
Right: 0-150' - Inix of upland new Utility Structure with PEM wettand	よ
Associated Wetland Present: Yes X No If Yes, ID:	
Associated Artificial Drain Present: Yes X No If Yes, ID: <u>AD- のソ</u>	
Jurisdictional Connectivity/Supplemental Comments:	
Wetland 003 and Wetland 004 drain to Stream	
DEC Strem #: 837-135	
·······	
······································	

#### APPENDIX B-2 STREAM DATA FORMS

(Data Forms From May 16, 2019 Site Visit)



# Stream Data Form

Stream Field ID: Str	ream ()~)
Data Point ID: DP	-006 Date: 5/16/19 Project #: 185057
Project Name:	lew Carenville Substation
Evaluator(s): <u>N</u>	icole Dutcher
County: Erie Cour	nty State: New York
Stream Name:	Buffalo River ( Branch)
State Classified: Yes	s 🔀 No 🔄 Not Applicable
If Yes, Classific	ation: <u>Class</u> C
Lat: 42,850293	Long: <u>-78,766927</u>
Hy	drologic Characteristics
Flow Regime: Pere	nnial 🔀 Intermittent 📃 Ephemeral
Surface Water:	Present 🔀 Absent 🔄
Perceptible Flow:	Present Absent 🔀
Water Depth at Thalwe	<b>∋g:</b> <u>\\\''</u>
Wetted Perimeter Widt	th:
Flow/Gradient Direction	n: West
Geom	orphologic Characteristics
Primary Substrate Cla	ass:
	Width (ft.)
	at DP Min Max
OHWM	Λ 6' 4' 8'
Top of Ban	k 8' 6' 10'
Bank Slope [Reported	as % or Horizontal:Vertical(H:V)]:
Left:	1:3
Right:	:2
B	ank Stability Summary
Left: <u>Mostly Sta</u>	able w/ low flow and banks
Stabill	ized by vegetation.
Right:	Same as above 1



# **Stream Data Form**

Data Point ID: DP- صادى

Habitat Characteristics
Aquatic Vegetation Present: Yes ∑ No If Yes, Describe:A∖gce_
Aquatic Organisms Observed: Yes X No
Terrestrial Organisms Observed: Yes No No X
Riparian Characteristics
Riparian Vegetation Description (0' to 150' from TOB):
Left: $O - 2O' - q_{lass}$
20'-40'- Gravel access road
90 + - Disturbed Taydown 12005 UPEns areas
Right: 0-30 Uplans Low for Transmission line
DO: 7 - Wettand PERL
Associated Wetland Present: Yes X No If Yes, ID: Wetland (X)3 (Wetland 004
Associated Artificial Drain Present: Yes 🗶 No 🔄 If Yes, ID: ది౦-ండా ఆ
Jurisdictional Connectivity/Supplemental Comments:
Barch of Biffalo, River receives discharge
tran Wetlands COZ + ODY
·····
· · · · · · · · · · · · · · · · · · ·

#### APPENDIX C-1 DITCH DATA FORMS

(Data Forms From December 18, 2018 Site Visit)



**Ditch Data Form** 

Ditch Field ID: Ditch ادن Ditch ا
Data Point ID: DP-005 Date: 12/18/18
Project Name: New Gardenville Substation
Evaluator(s): <u>Micole Dutcher</u>
County: <u></u>
Jurisdictional: Yes 🗙 No
Lat: 42,850755 Long: -78,766 995
Jurisdictional Determination Criteria
Yes No Jurisdictional Attribute
X         1) Defined Bed and Bank/Channel Present
2) Ordinary High Water Mark Present
X 3) Direct or Indirect Connection to a Traditional Navigable Water
4) Supplementing Attributes (Must Satisfy At Least 1 of 5 Below)
× A Presence of Relatively Permanent Flowing or Standing
X b) A Natural Stream That Has Been Altered
x c) Excavated in a Jurisdictional WOTUS
X d) Connects Two or More Jurisdictional WOTUS
e) Drains Natural Water Bodies (including wetlands) into the
tributary system of a TNW
Hydrologic Characteristics
Surface Water: Present 🔀 Absent
Perceptible Flow: Present X Absent
Water Depth at Thalweg: $3''$
Wetted Perimeter Width:
Flow/Gradient Direction:
Geomorphologic Characteristics
Primary Substrate Class: Silt
Width (ft )
at DP Max
Top of Bank 2' 4'
Bank Slope [Reported as % or Horizontal:Vertical(H·V)]
Right:



# **Ditch Data Form**

Data Point ID: <u>DP- のいう</u>
Bank Stability Summary
Left Bank: <u>Statole-no eropison</u> , highly controlled or montained ditch
Right Bank: <u>Some as above</u>
Habitat Characteristics
Aquatic Vegetation Present:   Yes   No     If Yes, Describe:
Aquatic Organisms Observed: Yes No X
Terrestrial Organisms Observed: Yes No Yes If Yes, Describe:
Riparian Characteristics
Riparian Vegetation Description (0' to 150' from TOB): Left: <u>0-150' - <u>PEM</u> Wetfand @3</u>
Right: 0-150' - NYSEC Utility Substation (grand bittan)
Associated Wetland Present: Yes X No If Yes, ID: <u>Wレーの</u> 3
Associated Artificial Drain(s) Present: Yes X No 🔀 If Yes, ID: <u>AD-au3</u>
Supplemental Notes & Comments:
Flows North who Welland-002 through steal culluert (A0-003) WL-003 drains into ditch
$-\frac{\nu_{\rho}}{\varepsilon}$
PTL S
Intrattert

### APPENDIX C-2 DITCH DATA FORMS

(Data Forms From May 16, 2019 Site Visit)



**Ditch Data Form** 

Ditch Field ID:	Ditch and
Data Point ID:	DP-005 Date: 5/10/19
Project Name:	New Gardenville Substation Project #: 185057
Evaluator(s):	Niale Dutcher
County:	Enc County State: New York
Jurisdictional:	Yes X. No
Lat: <u>4</u>	2.850755 Long: <u>-78,766995</u>
an a	Jurisdictional Determination Criteria
Yes No	Jurisdictional Attribute
	1) Meets the USACE Definition of a Tributary
	"a water that contributes flow, either directly or through another water
	(including an impoundment) to a water that is characterized by the
	high water mark"
	2) Supplementing Attributes (Must Satisfy At Least 1 of 5 Below)
	a) Has Perennial Flow;
X	b) Has Intermittent Flow and is a Relocated Tributary;
X	c) Has Intermittent Flow and is Excavated in a Tributary;
×	d) Has Intermittent Flow and Drains Natural Water Bodies
	(including wetlands);
	e) Has Ephemeral Flow and is Excavated in or Relocated within a
	l ributary.
	Hydrologic Characteristics
Flow Regime:	Perennial Intermittent X Ephemeral
Surface Water:	Present 🔀 Absent
Perceptible Flow	Present Absent
Perceptible Flow	Present Absent halweg: inches
Perceptible Flow Water Depth at T Wetted Perimete	Present Absent halweg: inches r Width: feet
Perceptible Flow Water Depth at T Wetted Perimete Flow/Gradient Di	Present     Absent       'halweg:     2       'r Width:     1       rection:     West
Perceptible Flow Water Depth at T Wetted Perimete Flow/Gradient Di	Present Absent halweg: inches r Width: feet rection: Geomorphologic Characteristics
Perceptible Flow Water Depth at T Wetted Perimete Flow/Gradient Di	Present Absent halweg: Absent r Width: Absent rection: Acceleration: Absent Geomorphologic Characteristics ary Substrate Class: Silt
Perceptible Flow Water Depth at T Wetted Perimete Flow/Gradient Di	Present Absent halweg: inches r Width: feet rection: Ceomorphologic Characteristics ary Substrate Class: Width (feet)
Perceptible Flow Water Depth at T Wetted Perimete Flow/Gradient Di	Present Absent   'halweg: 2 inches   r Width:feet   rection:feet   Geomorphologic Characteristics   ary Substrate Class:   Si jt   Width (feet)   at DP
Perceptible Flow Water Depth at T Wetted Perimete Flow/Gradient Di	Present Absent halweg:
Perceptible Flow Water Depth at T Wetted Perimete Flow/Gradient Di	Present Absent  halweg:  Absent  halweg:  Vidth:  Converting feet  rection:  Converting Characteristics  ary Substrate Class:  Converting Characteristics  Absent  Min Max  CHWM  Converting Characteristics  Converting Character
Perceptible Flow Water Depth at T Wetted Perimete Flow/Gradient Di Prima Bank Slope [Rep	Present Absent halweg:
Perceptible Flow Water Depth at T Wetted Perimete Flow/Gradient Di Prima Bank Slope [Rep	Present       Absent         Chalweg: $2$ inches         r Width: $1$ feet         rection: $23$ Geomorphologic Characteristics         ary Substrate Class: $5i$ []+         Width (feet)         at DP       Min       Max         OHWM $1$ $1$ $1$ Top of Bank $2$ $1,5$ $3$ orted as % or Horizontal:Vertical(H:V)]:       Left: $1',1$



**Ditch Data Form** 

ł

Data Point ID: DP- OOS			
	Banl	k Stability Summary	
Left Bank:	Stable - Lou gradient	banks. Gravel holds ba	w/ Shallow or Channels,
- Right Bank: _ -		Same as above 7	
-	Hab	itat Characteristics	
Aquatic Vegetation I If Yes, De	Present: scribe:	Yes X No NI Catteril	]
Aquatic Organisms Observed: If Yes, Describe:		Yes 🔛 No 🔀	]
Terrestrial Organisms Observed: If Yes, Describe:		Yes 🔛 No 🔀	]
Riparian Characteristics			
Riparian Vegetation Description (0' to 150' from TOB): Left: <u>0-150'- Wetlow 003 (PEM phragmites + NL cotteil)</u>			
Right: <u>O-150'- gravel Substation</u>			
Associated Wetland Present: Yes $X$ No If Yes, ID: Wetlands $602 + 203$			
Associated Artificial Drain(s) Present: Yes X No I If Yes, ID: <u>AD-003</u>			
Ditch gen the west.	Suppleme eally Flows Wetland	ental Notes & Comments: and Jubstation all H OQ3 and OD2 discharge F	matily to v strawn.

#### APPENDIX D REPRESENTATIVE SITE PHOTOGRAPHS

(Combined For December 2018 and May 2019 Site Visits)



**Project Name:** 

New York State Electric and Gas Corp. (NYSEG) New Gardenville Substation Project Wetland & Watercourse Delineation Report Update- January 2020

#### Site Location: Town of West Seneca, Erie County, NY

Project No. 185057.00



May 16, 2019



Project Name:

New York State Electric and Gas Corp. (NYSEG) New Gardenville Substation Project Wetland & Watercourse Delineation Report Update- January 2020

#### Site Location: Town of West Seneca, Erie County, NY





**Project Name:** 

New York State Electric and Gas Corp. (NYSEG) New Gardenville Substation Project Wetland & Watercourse Delineation Report Update- January 2020

#### Site Location: Town of West Seneca, Erie County, NY





Project Name:

Photo No. 07

Facing East

**Description:** 

Wetland 001.

New York State Electric and Gas Corp. (NYSEG) New Gardenville Substation Project Wetland & Watercourse Delineation Report Update- January 2020

#### Site Location: Town of West Seneca, Erie County, NY

Project No. 185057.00



When: December 18, 2018

#### Photo No. 08

Facing East

#### **Description:**

Data Point 002 Upland/ dryland Data Point adjacent to Wetland 001.





**Project Name:** 

New York State Electric and Gas Corp. (NYSEG) New Gardenville Substation Project Wetland & Watercourse Delineation Report Update- January 2020

#### Site Location: Town of West Seneca, Erie County, NY





Project Name:

New York State Electric and Gas Corp. (NYSEG) New Gardenville Substation Project Wetland & Watercourse Delineation Report Update- January 2020 Site Location: Town of West Seneca, Erie County, NY





**Project Name:** 

New York State Electric and Gas Corp. (NYSEG) New Gardenville Substation Project Wetland & Watercourse Delineation Report Update- January 2020

#### Site Location: Town of West Seneca, Erie County, NY





**Project Name:** 

New York State Electric and Gas Corp. (NYSEG) New Gardenville Substation Project Wetland & Watercourse Delineation Report Update- January 2020

#### Site Location: Town of West Seneca, Erie County, NY





**Project Name:** 

Photo No. 17

Facing East / Upstream

**Description:** 

Data Point 005

New York State Electric and Gas Corp. (NYSEG) New Gardenville Substation Project Wetland & Watercourse Delineation Report Update- January 2020

#### Site Location: Town of West Seneca, Erie County, NY

Project No. 185057.00

# Ditch Data Point for Intermittent Ditch 001.

When: December 18, 2018

#### Photo No. 18

Facing East / Upstream

#### **Description:**

Data Point 005 Ditch Data Point for Intermittent Ditch 001.





**Project Name:** 

New York State Electric and Gas Corp. (NYSEG) New Gardenville Substation Project Wetland & Watercourse Delineation Report Update- January 2020 Site Location: Town of West Seneca, Erie County, NY Project No. 185057.00



#### Description:

Data Point 005 Ditch Data Point for Intermittent Ditch 001.







Project Name:

New York State Electric and Gas Corp. (NYSEG) New Gardenville Substation Project Wetland & Watercourse Delineation Report Update- January 2020

#### Site Location: Town of West Seneca, Erie County, NY





Project Name:

New York State Electric and Gas Corp. (NYSEG) New Gardenville Substation Project Wetland & Watercourse Delineation Report Update- January 2020

#### Site Location: Town of West Seneca, Erie County, NY

Project No. 185057.00



Photo No. 24

Facing East / Upstream

#### Description:

Data Point 006 Stream Data Point for Stream 001.





Project Name:

Photo No. 25

Facing West / Downstream

**Description:** 

Stream 001.

New York State Electric and Gas Corp. (NYSEG) New Gardenville Substation Project Wetland & Watercourse Delineation Report Update- January 2020

#### Site Location: Town of West Seneca, Erie County, NY

Project No. 185057.00

# Data Point 006 Stream Data Point for

When: December 18, 2018

#### Photo No. 26

Facing West / Downstream

#### **Description:**

Data Point 006 Stream Data Point for Stream 001.





**Project Name:** 

New York State Electric and Gas Corp. (NYSEG) New Gardenville Substation Project Wetland & Watercourse Delineation Report Update- January 2020

#### Site Location: Town of West Seneca, Erie County, NY

Project No. 185057.00



When: December 18, 2018

#### Photo No. 28

Stream 001.

Facing South / Right Bank to Left Bank

#### **Description:**

Data Point 006 Stream Data Point for Stream 001.





Project Name:

New York State Electric and Gas Corp. (NYSEG) New Gardenville Substation Project Wetland & Watercourse Delineation Report Update- January 2020

#### Site Location: Town of West Seneca, Erie County, NY





Project Name:Site Location:New York State Electric and Gas Corp. (NYSEG)Town of West Seneca,New Gardenville Substation ProjectErie County, NYWetland & Watercourse Delineation Report Update- January 2020Erie County, NY

Project No. 185057.00

# Photo No. 31 Facing East **Description:** Data Point 007 Overview of uplands/ drylands adjacent to Wetland 003. Area is built-up from installation of utility structures within a utility ROW. When: December 18, 2018 Photo No. 32 Facing East **Description:** Data Point 007 Overview of uplands/ drylands adjacent to Wetland 003. Area is built-up from installation of utility structures within a utility ROW. When: May 16, 2019



**Project Name:** 

New York State Electric and Gas Corp. (NYSEG) New Gardenville Substation Project Wetland & Watercourse Delineation Report Update- January 2020

#### Site Location: Town of West Seneca, Erie County, NY





Project Name:

Photo No. 35

Facing North

**Description:** 

Data Point 008

New York State Electric and Gas Corp. (NYSEG) New Gardenville Substation Project Wetland & Watercourse Delineation Report Update- January 2020

#### Site Location: Town of West Seneca, Erie County, NY

Project No. 185057.00

# Overview of PEM portion of Wetland 003.

When: December 18, 2018

#### Photo No. 36

Facing North

#### **Description:**

Data Point 008 Overview of PEM portion of Wetland 003.




**Project Name:** 

New York State Electric and Gas Corp. (NYSEG) New Gardenville Substation Project Wetland & Watercourse Delineation Report Update- January 2020 Site Location: Town of West Seneca, Erie County, NY

Project No. 185057.00



May 16, 2019



**Project Name:** 

New York State Electric and Gas Corp. (NYSEG) New Gardenville Substation Project Wetland & Watercourse Delineation Report Update- January 2020 Site Location: Town of West Seneca, Erie County, NY Project No. 185057.00





Project Name:

New York State Electric and Gas Corp. (NYSEG) New Gardenville Substation Project Wetland & Watercourse Delineation Report Update- January 2020

#### Site Location: Town of West Seneca, Erie County, NY

Project No. 185057.00

## Photo No. 41

Facing East

### Description:

Overview of PEM Wetland 004. Wetland 004 is primarily located outside of the Project Study Limits within a utility ROW to the east.



#### Photo No. 42

Facing East

#### **Description:**

Overview of PEM Wetland 004. Wetland 004 is primarily located outside of the Project Study Limits within a utility ROW to the east.





**Project Name:** 

New York State Electric and Gas Corp. (NYSEG) New Gardenville Substation Project Wetland & Watercourse Delineation Report Update- January 2020

#### **Site Location:** Town of West Seneca, Erie County, NY

Project No. 185057.00





Project Name:

New York State Electric and Gas Corp. (NYSEG) New Gardenville Substation Project Wetland & Watercourse Delineation Report Update- January 2020

#### Site Location: Town of West Seneca, Erie County, NY

Project No. 185057.00





Project Name:

New York State Electric and Gas Corp. (NYSEG) New Gardenville Substation Project Wetland & Watercourse Delineation Report Update- January 2020

#### Site Location: Town of West Seneca, Erie County, NY

Project No. 185057.00

# Photo No. 47 Facing South **Description:** Data Point 012



Upland/ dryland Data Point located on the south side of Stream 001. Area is raised up in comparison to Wetland 003, with a mix of vegetation by no hydric soils or wetland hydrology.

When: May 16, 2019

#### Photo No. 48

Facing East

#### **Description:**

Data Point 012 Upland/ dryland Data Point located on the south side of Stream 001. Area is raised up in comparison to Wetland 003, with a mix of vegetation by no hydric soils or wetland hydrology.



Project Name:

New York State Electric and Gas Corp. (NYSEG) New Gardenville Substation Project Wetland & Watercourse Delineation Report Update- January 2020 Site Location: Town of West Seneca, Erie County, NY Project No. 185057.00

# Photo No. 49

Facing West

#### **Description:**

Data Point 012 Overview of upland/ dryland areas located on the south side of Stream 001. Area is raised up in comparison to Wetland 003, with a mix of vegetation by no hydric soils or wetland hydrology.

**When:** May 16, 2019

#### Photo No. 50

Facing East

#### **Description:**

Data Point 013 Upland/ dryland Data Point south of Stream 001 and access road. Area is located outside of the NYSDEC 100foot adjacent area.







Project Name:

New York State Electric and Gas Corp. (NYSEG) New Gardenville Substation Project Wetland & Watercourse Delineation Report Update- January 2020 Site Location: Town of West Seneca, Erie County, NY Project No. 185057.00

# Photo No. 51

Facing North

#### **Description:**

Data Point 013 Overview of upland/ dryland areas south of Stream 001 and south of a gravel access road. Area is located in uplands outside of NYSDEC 100-foot for Wetland BU-13 adjacent area.



#### Photo No. 52

When: May 16, 2019

Facing South

#### **Description:**

Data Point 013 Overview of upland/ dryland areas south of Stream 001 and south of a gravel access road. Area is located in uplands outside of NYSDEC 100-foot for Wetland BU-13 adjacent area.





**Project Name:** 

New York State Electric and Gas Corp. (NYSEG) New Gardenville Substation Project Wetland & Watercourse Delineation Report Update- January 2020 Site Location: Town of West Seneca, Erie County, NY

Project No. 185057.00

# Photo No. 53 Facing South **Description:** Overview of inside the fenced substation area. Substation is comprised of uplands/drylands and gravel/asphalt/dirt utility December 18, 2018



pads.

When:

Facing South

#### **Description:**

Overview of inside the fenced substation area. Substation is comprised of uplands/drylands and gravel/asphalt/dirt utility pads.





Project Name:

New York State Electric and Gas Corp. (NYSEG) New Gardenville Substation Project Wetland & Watercourse Delineation Report Update- January 2020

#### Site Location: Town of West Seneca, Erie County, NY

Project No. 185057.00

# Photo No. 55 Facing South **Description:** Overview of inside the fenced substation area. Substation is comprised of uplands/drylands and gravel/asphalt/dirt utility



#### Photo No. 56

pads.

When:

Facing South

#### **Description:**

Overview of inside the fenced substation area. Substation is comprised of uplands/drylands and gravel/asphalt/dirt utility pads.





Project Name:	Site Location:	Project No.
New York State Electric and Gas Corp. (NYSEG)	Town of West Seneca,	185057.00
New Gardenville Substation Project	Erie County, NY	
Wetland & Watercourse Delineation Report Update- January 2020		