Exhibit 10.
Wetlands & Environmental Report

Town of Montgomery

November 8, 2018

ENVIRONMENTAL OVERVIEW

TOWN OF MONTGOMERY, LOUISIANA

31 ACRE INDUSTRIAL SITE

Section 8, T8N, R5W

Grant Parish, Louisiana

Prepared for:

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ENVIRONMENTAL OVERVIEW

On October 26, 2018, Wayne Kilpatrick with NoLa Soil Services, Inc. conducted an environmental overview of the proposed Town of Montgomery, Louisiana - 31 Acre Industrial Site. The scope of this environmental overview consisted of reviewing the proposed industrial site for issues pertaining to the impact to listed Threatened and Endangered Species and/or their habitat, and areas Jurisdictional under Section 404 of the Clean Water Act and reviewing the area for significant historical and cultural sites. Drainage areas leading away from the proposed industrial site were reviewed along with the adjacent areas of habitat typically recognized as being suitable for the listed Threatened and Endangered Species. Representative photographs, supporting soil data, vegetative survey and hydrology data were taken and are presented for documentation.

The proposed industrial site dimensions are shown on the attached aerial photos. The project site borders the east side of U. S. Highway 71; approximately 1.06 miles north of the Town of Montgomery. The proposed project is located in Sec. 8, T8N, R5W, Grant Parish, Louisiana.

SETTING AND CONDITIONS

Landform-Soil Relations:

The proposed project site is located on the Coastal Plain Uplands. The landform consists of a gently sloping convex ridge and moderately sloping side slopes. The soils formed in loamy sediments of Pleistocene Age Deposits. Three (3) soil series were observed on this proposed project.

Soil Name	Classification	Position	Drainage	Water Table	Hydric/ Non-Hydric	Flooding
Upland						
Gurdon	Aquic Paleudults	Lower elevation	Moderately well	1.0' to 2.0' Nov. - Apr.	Non-hydric	None
Malbis	Plinthic Paleudults	Lower ridgetops and side slopes	Moderately well	2.5' to 4.0' Dec. - Mar.	Non-hydric	None
Ruston	Typic Paleudults	Convex ridge	Well	>6' below surface layer	Non-hydric	None

LAND USE

The land use at the proposed project is woodlands. Woodlands consist of Loblolly pines approximately 30 years of age and mixed upland hardwoods 30 to 35 years of age. Understory of trees and saplings are Loblolly pines and mixed upland hardwoods.

404 JURISDICTIONAL AREA (WETLAND OR WATER OF U.S.)

The on-site inspection suggests no 404 Jurisdictional areas (wetland or water of U.S.) will be subject to impact by the proposed project. There are two areas along the east side of the site where runoff after excess rainfall events flow to the east off of the property. These areas are indicated by blue lines. It was determined that these two areas meet the criteria for ephemeral drains. There are no well-defined channels on this proposed project. The runoff flow only responds to heavy rainfall. These features only flow less than 20% of the year during normal rainfall conditions. Most of the excess runoff into these two areas is due to a logging road. The road acts as a diversion and diverts surface water into these two areas of lower elevations. These soils do not meet the criteria for hydric soils due to soil properties and soil hydrology. This determination is based on data collected for soils, hydrology, and vegetation (see attached data forms for Routine Wetland Determination). The proposed project will not impact any intermittent and perennial drains or any other 404 Jurisdiction areas.

DRAINAGE AND RECEIVING WATERS

Basically, surface runoff drains in a southeastward direction from the proposed project area. The runoff drains into an unnamed tributary and flows approximately 2.04 miles into Nantachie Creek.

CULTURAL AND HISTORICAL RESOURCES

The proposed project will not impact any previous recorded archaeological sites or other recorded cultural resources. If cultural resources are encountered, the construction will cease in the immediate area and the appropriate state agency will be notified.

ENDANGERED SPECIES

According to current information on the Region 4 Listed Species by State, Endangered Species; U. S. Fish & Wildlife Service, the listed species for Grant Parish, Louisiana, are the (5) following individuals:

1. Northern Long-Eared Bat (Myotis Sepentrionalis) - Occurrence within Parish is known, status is threatened.

2. Mussel, Louisiana Pearlshell (Margaritifera Hembeli) - Occurrence within parish is known, status is threatened.

3. Sturgeon, Pallid (Scaphirhynchus albus) - Occurrence within parish is possible, status is endangered.

4. Tern, Least (Sterna Antillarum) - Occurrence within parish is possible, status is endangered.

5. Woodpecker, Red-Cockaded (Picoides Borealis) - Occurrence within parish is known, status is endangered.

Listed below are more detailed descriptions and discussion of the species listed above:

1. Northern Long-eared Bat (Myotis Septentrionalis) - The species requires shelter such as abandoned buildings, caves, and/or under hang of bridges. There are no structures at/or near this project site; therefore, it is unlikely that this bat would be near the area of concern.

2. Mussel, Louisiana Pearlshell (Margaritifera Hembeli) - This species is found in small sandy creeks with stable sand and gravel in clear-flowing shallow water. It is very unlikely to find this mussel species within the project site due to lack of constant flowing water in drain beds. There are no features that meets the criteria for desirable habitat. This type habitat is further to the east approximately 27 miles along Little River and its tributaries.

3. Sturgeon, Pallid (Scaphirhynchus Albus) - The Pallid Sturgeon is associated with bottoms of large, turbid, and relatively warm, free flowing rivers. The proposed project should not impact this species; no features of this kind are near the site.

4. Tern, Least (Sterna Antillarum) - The Least Tern occurs along major river systems such as Red River Ecosystem. The Least Tern takes advantage of constantly changing river pool stages and fish concentrations in pools by retreating flows. River impoundment, channelization, and levee construction have caused a decline in the desirable habitat. The proposed project should not impact any of the bird's habitat if it is ever present within the area.

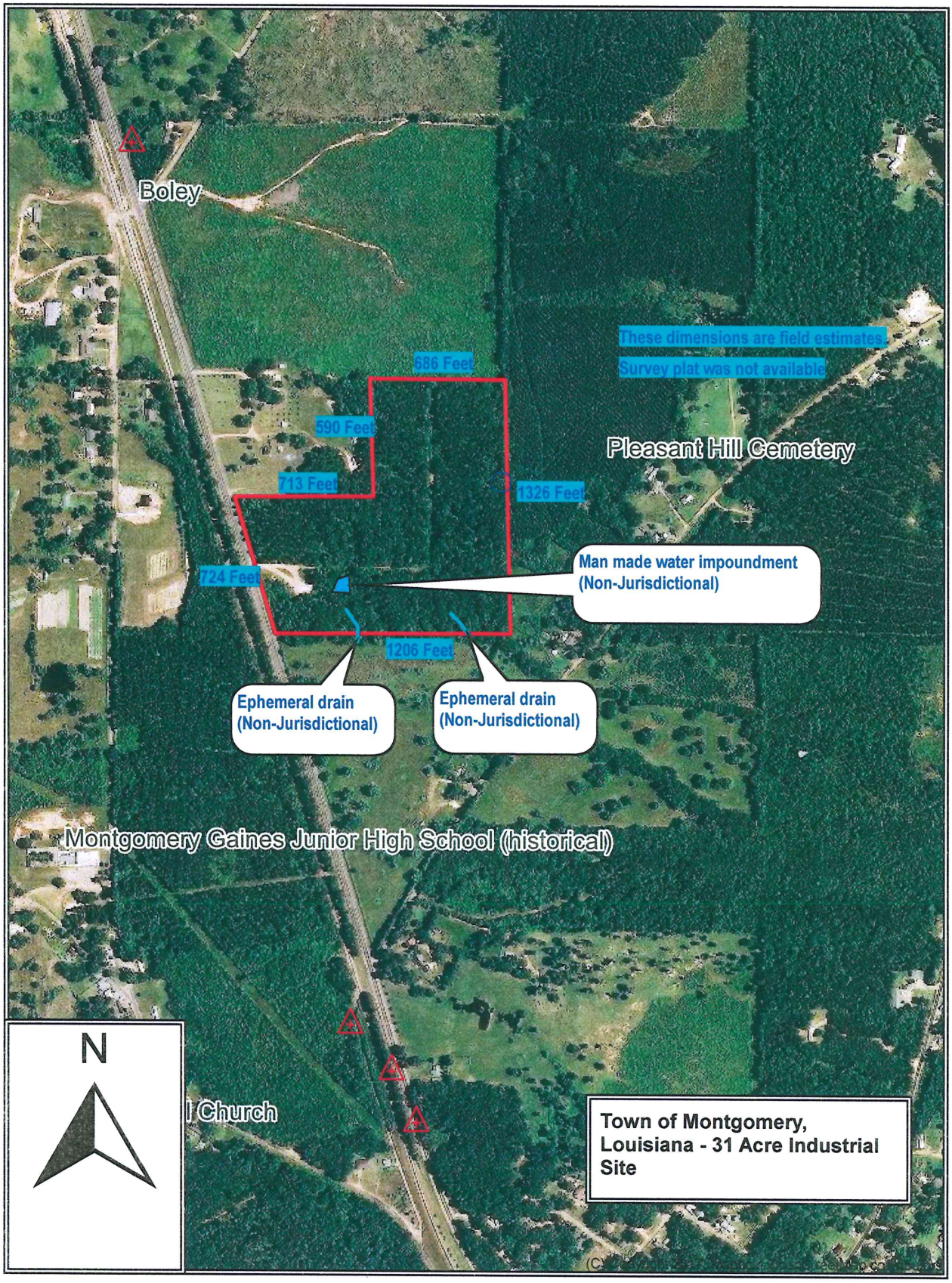
5. Woodpecker, Red-Cockaded (Picoides Borealis) - The Red-cockaded woodpecker occurs in mature pine forests; more specifically, those with long leaf pines averaging 80 to 120 years old and loblolly pines averaging 70 to 100 years old. The Red-cockaded woodpeckers are a territorial and non-migratory species. Each group needs an average of 200 acres of old pine forest to support it needs. This project should not impact the Red-cockaded Woodpecker. All pines on or near the site are 35 years or less.

SUMMARY

In Summary, the proposed project will not impact any intermittent and/or perennial drains. There is a small man made dugout on site. This water impoundment was constructed years ago as a water supply for livestock. The small dugout dries up during the late summer and early fall. This water body is not Jurisdictional under the 404 Clean Water Act. There are no issues to be addressed concerning Threatened or Endangered Species, historical and/or cultural sites and 404 Jurisdictional areas. This environmental overview provides reasonable certification that a diligent and reasonable effort was made on the day of the study to ascertain that all environmental issues were addressed.

SITE PLAN

TOWN OF MONTGOMERY
INDUSTRIAL SITE
GRANT PARISH, LOUISIANA



SCALE 1:9028

0 1000 2000

Feet

POINT OF CONTACT

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NoLa Soil Services, Inc.
760 Highway 521
Haynesville, Louisiana 71038
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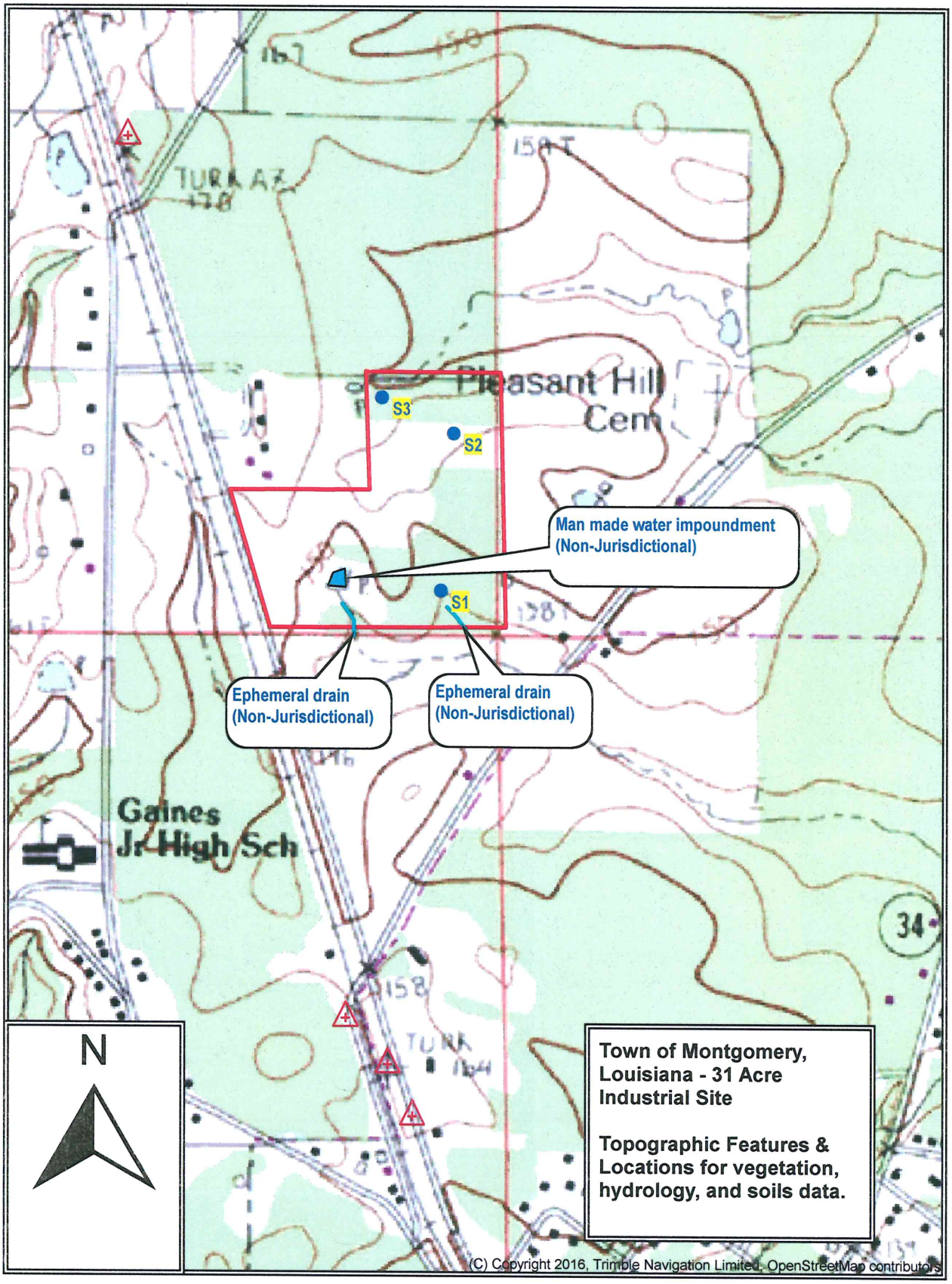
CITY OF MONTGOMERY, LOUISIANA

31 ACRE INDUSTRIAL SITE
SEC. 8, T8N, R5W
GRANT PARISH, LOUISIANA

LOCATION FOR VEGETATION, HYDROLOGY AND SOILS DATA MAP



SCALE 1:9028

0 1000 2000

Feet

CITY OF MONTGOMERY, LOUISIANA

31 ACRE INDUSTRIAL SITE
SEC. 8, T8N, R5W
GRANT PARISH, LOUISIANA

INTRODUCTION TO ROUTINE WETLAND DETERMINATION DATA

The proposed project site was traversed on foot. Several soil borings were taken and vegetation data along with hydrologic conditions were noted and recorded. The dominant soils observed were Gurdon, Malbis, and Ruston. Presented are COE Data Sheets for representative descriptions as observed on this proposed project.

WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

Project/Site: Town of Montgomery - 31 Acre Industrial Site City/County: Grant Sampling Date: 10/26/2018

Applicant/Owner: Town of Montgomery, Louisiana State: LA Sampling Point: S-1

Investigator(s): Wayne Kilpatrick Section, Township, Range: Sec. 8, T8N, R5W

Landform (hillslope, terrace, etc.): Terrace Local relief (concave, convex, none): Convex Slope (%): 2

Subregion (LRR or MLRA): 133-B Lat: 31 40 48.82 Long: 92 53 37.29 Datum: 83

Soil Map Unit Name: Gurdon silt loam, 1 to 3% NWI classification: _____

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 _____	**Is the Sampled Area within a Wetland?** Yes _____ No X
Hydric Soil Present?	Yes _____ No X	
Wetland Hydrology Present?	Yes _____ No X	

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2)
- ☐ Saturation (A3)
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift Deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Inundation Visible on Aerial Imagery (B7)
- ☐ Water-Stained Leaves (B9)
- ☐ Aquatic Fauna (B13)
- ☐ Marl Deposits (B15) **(LRR U)**
- ☐ Hydrogen Sulfide Odor (C1)
- ☐ Oxidized Rhizospheres along Living Roots (C3)
- ☐ Presence of Reduced Iron (C4)
- ☐ Recent Iron Reduction in Tilled Soils (C6)
- ☐ Thin Muck Surface (C7)
- ☐ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ☐ Surface Soil Cracks (B6)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Drainage Patterns (B10)
- ☐ Moss Trim Lines (B16)
- ☐ Dry-Season Water Table (C2)
- ☐ Crayfish Burrows (C8)
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☐ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3)
- ☐ FAC-Neutral Test (D5)
- ☐ Sphagnum moss (D8) **(LRR T, U)**

Field Observations:

Surface Water Present?	Yes _____	No X	Depth (inches): _____
Water Table Present?	Yes _____	No X	Depth (inches): _____
Saturation Present? (includes capillary fringe)	Yes _____	No X	Depth (inches): _____

Wetland Hydrology Present? Yes _____ No X

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

VEGETATION (Four Strata) – Use scientific names of plants.

Sampling Point: S-1

Tree Stratum (Plot size: 30'R)	Absolute % Cover	Dominant Species?	Indicator Status
1. Pinus taeda	30	Y	FAC
2. Nyssa sylvatica	20	Y	FAC
3. Liquidambar styraciflua	20	Y	FAC
4. Quercus nigra	10	N	FAC
5. Quercus falcata	10	N	FACU
6.			
7.			
8.			
	90 = Total Cover		
50% of total cover: 45	20% of total cover: 18		
Sapling/Shrub Stratum (Plot size: 30'R)			
1. Nyssa sylvatica	20	Y	FAC
2. Liquidambar styraciflua	15	Y	FAC
3. Quercus nigra	10	N	FAC
4. Quercus falcata	10	N	FAC
5. Crataegius marshallii	5	N	FAC
6.			
7.			
8.			
	60 = Total Cover		
50% of total cover: 30	20% of total cover: 12		
Herb Stratum (Plot size: 30'R)			
1. Smilax rotundifolia	10	Y	FAC
2. Vitis rotundifolia	5	Y	FAC
3. Ampelopsis cordata	5	Y	FAC
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
	20 = Total Cover		
50% of total cover: 10	20% of total cover: 4		
Woody Vine Stratum (Plot size: 30'R)			
1.			
2.			
3.			
4.			
5.			
	0 = Total Cover		
50% of total cover: N/A	20% of total cover: N/A		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 8 (A)

Total Number of Dominant Species Across All Strata: 8 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	0	x 2 =	0
FAC species	160	x 3 =	480
FACU species	10	x 4 =	40
UPL species	0	x 5 =	0
Column Totals:	170 (A)		520 (B)

Prevalence Index = B/A = 3.05

Hydrophytic Vegetation Indicators:

___ 1 - Rapid Test for Hydrophytic Vegetation

___ 2 - Dominance Test is >50%

___ 3 - Prevalence Index is ≤3.0[1]

___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Four Vegetation Strata:

Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vine – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? Yes X No ___

Remarks: (If observed, list morphological adaptations below).

SOIL

Sampling Point: S-1

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-4	10YR4/3	100					SIL	
4-11	10YR5/3	100					SIL	
11-16	10YR6/3	80	10YR5/6	20	C	M	SICL	
16-42	10YR6/3	60	10YR6/2	30	D	M	SICL	
			10YR5/6	10	C	M	SICL	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.

[2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

- ☐ Histosol (A1)
- ☐ Histic Epipedon (A2)
- ☐ Black Histic (A3)
- ☐ Hydrogen Sulfide (A4)
- ☐ Stratified Layers (A5)
- ☐ Organic Bodies (A6) (LRR P, T, U)
- ☐ 5 cm Mucky Mineral (A7) (LRR P, T, U)
- ☐ Muck Presence (A8) (LRR U)
- ☐ 1 cm Muck (A9) (LRR P, T)
- ☐ Depleted Below Dark Surface (A11)
- ☐ Thick Dark Surface (A12)
- ☐ Coast Prairie Redox (A16) (MLRA 150A)
- ☐ Sandy Mucky Mineral (S1) (LRR O, S)
- ☐ Sandy Gleyed Matrix (S4)
- ☐ Sandy Redox (S5)
- ☐ Stripped Matrix (S6)
- ☐ Dark Surface (S7) (LRR P, S, T, U)
- ☐ Polyvalue Below Surface (S8) (LRR S, T, U)
- ☐ Thin Dark Surface (S9) (LRR S, T, U)
- ☐ Loamy Mucky Mineral (F1) (LRR O)
- ☐ Loamy Gleyed Matrix (F2)
- ☐ Depleted Matrix (F3)
- ☐ Redox Dark Surface (F6)
- ☐ Depleted Dark Surface (F7)
- ☐ Redox Depressions (F8)
- ☐ Marl (F10) (LRR U)
- ☐ Depleted Ochric (F11) (MLRA 151)
- ☐ Iron-Manganese Masses (F12) (LRR O, P, T)
- ☐ Umbric Surface (F13) (LRR P, T, U)
- ☐ Delta Ochric (F17) (MLRA 151)
- ☐ Reduced Vertic (F18) (MLRA 150A, 150B)
- ☐ Piedmont Floodplain Soils (F19) (MLRA 149A)
- ☐ Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D)

Indicators for Problematic Hydric Soils[3]:

- ☐ 1 cm Muck (A9) (LRR O)
- ☐ 2 cm Muck (A10) (LRR S)
- ☐ Reduced Vertic (F18) (outside MLRA 150A,B)
- ☐ Piedmont Floodplain Soils (F19) (LRR P, S, T)
- ☐ Anomalous Bright Loamy Soils (F20) (MLRA 153B)
- ☐ Red Parent Material (TF2)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: None

Depth (inches): N/A

Hydric Soil Present? Yes _____ No X

Remarks:

This soil is somewhat poorly drained and is identified as Gurdon. These soils are classified as Aquic Paleudults. Hydric soils are not present due to hydrology and soil properties at the site.

WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

Project/Site: Town of Montgomery - 31 Acre Industrial Site City/County: Grant Sampling Date: 10/26/2018

Applicant/Owner: Town of Montgomery, Louisiana State: LA Sampling Point: S-2

Investigator(s): Wayne Kilpatrick Section, Township, Range: Sec. 8, T8N, R5W

Landform (hillslope, terrace, etc.): Ridgetop Local relief (concave, convex, none): Convex Slope (%): 3

Subregion (LRR or MLRA): 133-B Lat: 31 40 55.66 Long: 92 53 36.05 Datum: 83

Soil Map Unit Name: Ruston fine sandy loam, 1 to 5% NWI classification: U

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No _____ (If no, explain in Remarks.)

Are Vegetation _____, Soil _____, or 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 _____ No X	**Is the Sampled Area within a Wetland?** Yes _____ No X
Hydric Soil Present?	Yes _____ No X	
Wetland Hydrology Present?	Yes _____ No X	

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2)
- ☐ Saturation (A3)
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift Deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Inundation Visible on Aerial Imagery (B7)
- ☐ Water-Stained Leaves (B9)
- ☐ Aquatic Fauna (B13)
- ☐ Marl Deposits (B15) **(LRR U)**
- ☐ Hydrogen Sulfide Odor (C1)
- ☐ Oxidized Rhizospheres along Living Roots (C3)
- ☐ Presence of Reduced Iron (C4)
- ☐ Recent Iron Reduction in Tilled Soils (C6)
- ☐ Thin Muck Surface (C7)
- ☐ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ☐ Surface Soil Cracks (B6)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Drainage Patterns (B10)
- ☐ Moss Trim Lines (B16)
- ☐ Dry-Season Water Table (C2)
- ☐ Crayfish Burrows (C8)
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☐ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3)
- ☐ FAC-Neutral Test (D5)
- ☐ Sphagnum moss (D8) **(LRR T, U)**

Field Observations:

Surface Water Present?	Yes _____	No X	Depth (inches): _____
Water Table Present?	Yes _____	No X	Depth (inches): _____
Saturation Present? (includes capillary fringe)	Yes _____	No X	Depth (inches): _____

Wetland Hydrology Present? Yes _____ No X

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

VEGETATION (Four Strata) – Use scientific names of plants.

Sampling Point: S-2

Tree Stratum (Plot size: 30'R)	Absolute % Cover	Dominant Species?	Indicator Status
1. Pinus taeda	30	Y	FAC
2. Quercus falcata	25	Y	FACU
3. Quercus alba	20	Y	FACU
4. Quercus stellata	15	N	FACU
5.			
6.			
7.			
8.			
	90	= Total Cover	
50% of total cover: 45	20% of total cover: 18		
Sapling/Shrub Stratum (Plot size: 30'R)			
1. Quercus falcata	15	Y	FACU
2. Lyonia ligustrina	15	Y	FACU
3. Quercus alba	10	Y	FACU
4. Pinus taeda	5	N	FAC
5.			
6.			
7.			
8.			
	45	= Total Cover	
50% of total cover: 22.5	20% of total cover: 9		
Herb Stratum (Plot size: 30'R)			
1. Callicarpa americana	15	Y	FACU
2. Uniola sessiliflora	10	Y	FACU
3. Smilax rotundifolia	10	Y	FAC
4. Andropogon virginicus	5	N	FAC
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
	40	= Total Cover	
50% of total cover: 20	20% of total cover: 8		
Woody Vine Stratum (Plot size: 30'R)			
1.			
2.			
3.			
4.			
5.			
	0	= Total Cover	
50% of total cover: N/A	20% of total cover: N/A		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A)

Total Number of Dominant Species Across All Strata: 9 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 22.2 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	0	x 2 =	0
FAC species	50	x 3 =	150
FACU species	125	x 4 =	500
UPL species	0	x 5 =	0
Column Totals:	175 (A)		650 (B)

Prevalence Index = B/A = 3.71

Hydrophytic Vegetation Indicators:

___ 1 - Rapid Test for Hydrophytic Vegetation

___ 2 - Dominance Test is >50%

___ 3 - Prevalence Index is ≤3.0[1]

___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Four Vegetation Strata:

Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vine – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? Yes ___ No X

Remarks: (If observed, list morphological adaptations below).

SOIL

Sampling Point: S-2

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-6	10YR4/3	100					FSL	
6-11	10YR5/3	100					FSL	
11-21	2.5YR4/8	100					SCL	
21-48	2.5YR4/6	80	10YR6/4	20	C	M	SCL	
48-60	5YR5/6	70	10YR6/4	20	C	M	SCL	
			10YR5/8	10	C	M	SCL	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.

[2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

- ☐ Histosol (A1)
- ☐ Histic Epipedon (A2)
- ☐ Black Histic (A3)
- ☐ Hydrogen Sulfide (A4)
- ☐ Stratified Layers (A5)
- ☐ Organic Bodies (A6) (LRR P, T, U)
- ☐ 5 cm Mucky Mineral (A7) (LRR P, T, U)
- ☐ Muck Presence (A8) (LRR U)
- ☐ 1 cm Muck (A9) (LRR P, T)
- ☐ Depleted Below Dark Surface (A11)
- ☐ Thick Dark Surface (A12)
- ☐ Coast Prairie Redox (A16) (MLRA 150A)
- ☐ Sandy Mucky Mineral (S1) (LRR O, S)
- ☐ Sandy Gleyed Matrix (S4)
- ☐ Sandy Redox (S5)
- ☐ Stripped Matrix (S6)
- ☐ Dark Surface (S7) (LRR P, S, T, U)
- ☐ Polyvalue Below Surface (S8) (LRR S, T, U)
- ☐ Thin Dark Surface (S9) (LRR S, T, U)
- ☐ Loamy Mucky Mineral (F1) (LRR O)
- ☐ Loamy Gleyed Matrix (F2)
- ☐ Depleted Matrix (F3)
- ☐ Redox Dark Surface (F6)
- ☐ Depleted Dark Surface (F7)
- ☐ Redox Depressions (F8)
- ☐ Marl (F10) (LRR U)
- ☐ Depleted Ochric (F11) (MLRA 151)
- ☐ Iron-Manganese Masses (F12) (LRR O, P, T)
- ☐ Umbric Surface (F13) (LRR P, T, U)
- ☐ Delta Ochric (F17) (MLRA 151)
- ☐ Reduced Vertic (F18) (MLRA 150A, 150B)
- ☐ Piedmont Floodplain Soils (F19) (MLRA 149A)
- ☐ Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D)

Indicators for Problematic Hydric Soils[3]:

- ☐ 1 cm Muck (A9) (LRR O)
- ☐ 2 cm Muck (A10) (LRR S)
- ☐ Reduced Vertic (F18) (outside MLRA 150A,B)
- ☐ Piedmont Floodplain Soils (F19) (LRR P, S, T)
- ☐ Anomalous Bright Loamy Soils (F20) (MLRA 153B)
- ☐ Red Parent Material (TF2)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: None

Depth (inches): N/A

Hydric Soil Present? Yes _____ No X

Remarks:

This soil is well drained and is identified as Ruston. These soils are classified as Typic Paleudults. Ruston soils are never associated with wetland conditions.

WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

Project/Site: Town of Montgomery - 31 Acre Industrial Site City/County: Grant Sampling Date: 10/26/2018

Applicant/Owner: Town of Montgomery, Louisiana State: LA Sampling Point: S-3

Investigator(s): Wayne Kilpatrick Section, Township, Range: Sec. 8, T8N, R5W

Landform (hillslope, terrace, etc.): Terrace Local relief (concave, convex, none): Convex Slope (%): 2

Subregion (LRR or MLRA): 133-B Lat: 31 40 58.68 Long: 92 53 40.84 Datum: 83

Soil Map Unit Name: Malbis fine sandy loam, 1 to 5% NWI classification: U

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No _____ (If no, explain in Remarks.)

Are Vegetation _____, Soil _____, or 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 _____	No X	**Is the Sampled Area within a Wetland?** Yes _____ No X
Hydric Soil Present?	Yes _____	No X	
Wetland Hydrology Present?	Yes _____	No X	

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2)
- ☐ Saturation (A3)
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift Deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Inundation Visible on Aerial Imagery (B7)
- ☐ Water-Stained Leaves (B9)
- ☐ Aquatic Fauna (B13)
- ☐ Marl Deposits (B15) **(LRR U)**
- ☐ Hydrogen Sulfide Odor (C1)
- ☐ Oxidized Rhizospheres along Living Roots (C3)
- ☐ Presence of Reduced Iron (C4)
- ☐ Recent Iron Reduction in Tilled Soils (C6)
- ☐ Thin Muck Surface (C7)
- ☐ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ☐ Surface Soil Cracks (B6)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Drainage Patterns (B10)
- ☐ Moss Trim Lines (B16)
- ☐ Dry-Season Water Table (C2)
- ☐ Crayfish Burrows (C8)
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☐ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3)
- ☐ FAC-Neutral Test (D5)
- ☐ Sphagnum moss (D8) **(LRR T, U)**

Field Observations:

Surface Water Present?	Yes _____	No X	Depth (inches): _____
Water Table Present?	Yes _____	No X	Depth (inches): _____
Saturation Present? (includes capillary fringe)	Yes _____	No X	Depth (inches): _____

Wetland Hydrology Present? Yes _____ No X

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

VEGETATION (Four Strata) – Use scientific names of plants. Sampling Point: S-3

Tree Stratum (Plot size: 30'R)	Absolute % Cover	Dominant Species?	Indicator Status
1. Pinus taeda	40	Y	FAC
2. Quercus alba	35	Y	FACU
3. Quercus falcata	20	Y	FACU
4. Liquidambar styraciflua	5	N	FAC
5.			
6.			
7.			
8.			
	100	= Total Cover	
50% of total cover: 50	20% of total cover: 20		
Sapling/Shrub Stratum (Plot size: 30'R)			
1. Quercus alba	15	Y	FACU
2. Quercus falcata	15	Y	FACU
3. Liquidambar styraciflua	10	N	FAC
4. Pinus taeda	10	N	FAC
5. Prunus serotina	10	N	FACU
6.			
7.			
8.			
	60	= Total Cover	
50% of total cover: 30	20% of total cover: 12		
Herb Stratum (Plot size: 30'R)			
1. Callicarpa americana	20	Y	FACU
2. Uniola sessiliflora	10	Y	FACU
3. Lyonia ligustrina	5	N	FACU
4. Smilex rotundifolia	5	N	FAC
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
	40	= Total Cover	
50% of total cover: 20	20% of total cover: 8		
Woody Vine Stratum (Plot size: 30'R)			
1.			
2.			
3.			
4.			
5.			
	0	= Total Cover	
50% of total cover: N/A	20% of total cover: N/A		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)

Total Number of Dominant Species Across All Strata: 5 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 20 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	0	x 2 =	0
FAC species	70	x 3 =	210
FACU species	130	x 4 =	520
UPL species	0	x 5 =	0
Column Totals:	200 (A)		730 (B)

Prevalence Index = B/A = 3.65

Hydrophytic Vegetation Indicators:

___ 1 - Rapid Test for Hydrophytic Vegetation

___ 2 - Dominance Test is >50%

___ 3 - Prevalence Index is ≤3.0[1]

___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Four Vegetation Strata:

Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vine – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? Yes _____ No X

Remarks: (If observed, list morphological adaptations below).

SOIL

Sampling Point: S-3

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-5	10YR4/3	100					FSL	
5-11	10YR5/3	100					FSL	
11-23	7.5YR5/6	100					SCL	
23-32	10YR5/6	70	10YR6/4	25	C	M	SCL	
			2.5YR4/8	5	C	M	SCL	
32-50	10YR56	50	10YR6/3	40	C	M	SCL	
			10YR6/2	10	D	M	SCL	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

- ☐ Histosol (A1)
- ☐ Histic Epipedon (A2)
- ☐ Black Histic (A3)
- ☐ Hydrogen Sulfide (A4)
- ☐ Stratified Layers (A5)
- ☐ Organic Bodies (A6) **(LRR P, T, U)**
- ☐ 5 cm Mucky Mineral (A7) **(LRR P, T, U)**
- ☐ Muck Presence (A8) **(LRR U)**
- ☐ 1 cm Muck (A9) **(LRR P, T)**
- ☐ Depleted Below Dark Surface (A11)
- ☐ Thick Dark Surface (A12)
- ☐ Coast Prairie Redox (A16) **(MLRA 150A)**
- ☐ Sandy Mucky Mineral (S1) **(LRR O, S)**
- ☐ Sandy Gleyed Matrix (S4)
- ☐ Sandy Redox (S5)
- ☐ Stripped Matrix (S6)
- ☐ Dark Surface (S7) **(LRR P, S, T, U)**
- ☐ Polyvalue Below Surface (S8) **(LRR S, T, U)**
- ☐ Thin Dark Surface (S9) **(LRR S, T, U)**
- ☐ Loamy Mucky Mineral (F1) **(LRR O)**
- ☐ Loamy Gleyed Matrix (F2)
- ☐ Depleted Matrix (F3)
- ☐ Redox Dark Surface (F6)
- ☐ Depleted Dark Surface (F7)
- ☐ Redox Depressions (F8)
- ☐ Marl (F10) **(LRR U)**
- ☐ Depleted Ochric (F11) **(MLRA 151)**
- ☐ Iron-Manganese Masses (F12) **(LRR O, P, T)**
- ☐ Umbric Surface (F13) **(LRR P, T, U)**
- ☐ Delta Ochric (F17) **(MLRA 151)**
- ☐ Reduced Vertic (F18) **(MLRA 150A, 150B)**
- ☐ Piedmont Floodplain Soils (F19) **(MLRA 149A)**
- ☐ Anomalous Bright Loamy Soils (F20) **(MLRA 149A, 153C, 153D)**

Indicators for Problematic Hydric Soils[3]:

- ☐ 1 cm Muck (A9) **(LRR O)**
- ☐ 2 cm Muck (A10) **(LRR S)**
- ☐ Reduced Vertic (F18) **(outside MLRA 150A,B)**
- ☐ Piedmont Floodplain Soils (F19) **(LRR P, S, T)**
- ☐ Anomalous Bright Loamy Soils (F20) **(MLRA 153B)**
- ☐ Red Parent Material (TF2)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: None

Depth (inches): N/A

Hydric Soil Present? Yes _____ No X

Remarks:

This moderately well drained soil is identified as Malbis. These soils are classified as Plinthic Paleudults. Wetland conditions are not associated with these soils.

CITY OF MONTGOMERY, LOUISIANA

31 ACRE INDUSTRIAL SITE
SEC. 8, T8N, R5W
GRANT PARISH, LOUISIANA

SITE PHOTOGRAPHS

Photograph: 1

Project: Town of Montgomery, LA - 31 Acre Industrial Site

Photo Description: This view is in a northward direction along the east side of U.S. Hwy. 71. This proposed 31 acre industrial site is to the right of the highway.

Photograph: 2

Project: Town of Montgomery, LA - 31 Acre Industrial Site

Photo Description: This is a small area being used as a collect point for local household garbage. This area will be removed from this location. The dirt road extends through the proposed project site.

Photograph: 3

Project: Town of Montgomery, LA - 31 Acre Industrial Site

Photo Description: This view from U.S. Hwy. 71 looking east along the south boundary of the proposed site. The soils at this point are moderately well drained and are identified as Malbis fine sandy loam. Wetland criteria is not associated with these soils.

Photograph: 4

Project: Town of Montgomery, LA - 31 Acre Industrial Site

Photo Description: This is a small manmade dugout pond that was built several years ago. The purpose of this water impoundment was for furnishing a water supply for livestock. This area in most years will go dry during the late summer and early fall. The area is identified on enclosed maps. This is a Non-Jurisdictional feature and is not regulated by the "404 Clean Water Act". At the time of the site visit there was no water in this impoundment.

Photograph: 5

Project: Town of Montgomery, LA - 31 Acre Industrial Site

Photo Description: This sample was taken approximately 50 feet from the dugout pond. The upper 6 inches of the soil is brownish and the lower part is a yellowish brown silty clay loam soil. The soil profile indicates that the criteria for hydric soils is not present. The soil is identified as Gurdon silt loam and is classified as Aquic Paleudults. Wetland criteria is not present.

Photograph: 6

Project: Town of Montgomery, LA - 31 Acre Industrial Site

Photo Description: This location is near the northwest corner of the site. The yellowish brown subsoil layers indicates this soil is moderately well drained and is identified as Malbis fine sandy loam. These soils are classified as Plinthic Paleudults. They are not associated with wetland conditions.

Photograph: 7

Project: Town of Montgomery, LA - 31 Acre Industrial Site

Photo Description: This structure is along the west side of the project site and is off site. The soils are well drained and are identified as Ruston fine sandy loam. They are classified as Typic Paleudults. Ruston soils are never associated with wetland conditions.

Photograph: 8

Project: Town of Montgomery, LA - 31 Acre Industrial Site

Photo Description: This is the southeast corner of the proposed site. This corner has been established for many years as indicated by the corner post and the two large sweet gum trees. On close examination, you can see the girdle marks made by barbwire in the trees. These soils are moderately well drained and are identified as Malbis fine sandy loam. Wetland conditions are not present at this site.