

Appendix A
Wetland Field Delineation Datasheets

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Mahar Property City/County: Monroe County Sampling Date: 10/04/11
 Applicant/Owner: Waste Management of New York, LLC State: New York Sampling Point: A-1 Wet
 Investigator(s): Johanna E. Duffy, Barton & Loguidice, PC Section, Township, Range: Town of Riga
 Landform (hillslope, terrace, etc.): _____ Local relief (concave, convex, none): Concave
 Slope (%): 0-2% Lat: 43° 2' 46.888" N Long: 77° 56' 10.637" W Datum: UTM NAD 83
 Soil Map Unit Name: Brockport Silty Clay Loam, 0-2% slopes NWI classification: PSS1

Are climatic/hydrologic conditions on the site typical for this time of year? Yes No _____ (If no, explain in Remarks.)
 Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes? 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 <input checked="" type="checkbox"/> No _____	Is the Sampled Area within a Wetland?	Yes <input checked="" type="checkbox"/> No _____
Hydric Soil Present?	Yes <input checked="" type="checkbox"/> No _____		
Wetland Hydrology Present?	Yes <input checked="" type="checkbox"/> No _____		If yes, optional Wetland Site ID: <u>Wetland A</u>

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

HYDROLOGY

Wetland Hydrology Indicators:		<u>Secondary Indicators (minimum of two required)</u>
<u>Primary Indicators (minimum of one is required; check all that apply)</u>		_____ Surface Soil Cracks (B6)
_____ Surface Water (A1)	_____ Water-Stained Leaves (B9)	_____ Drainage Patterns (B10)
<input checked="" type="checkbox"/> High Water Table (A2)	_____ Aquatic Fauna (B13)	_____ Moss Trim Lines (B16)
<input checked="" type="checkbox"/> Saturation (A3)	_____ Marl Deposits (B15)	_____ Dry-Season Water Table (C2)
_____ Water Marks (B1)	_____ Hydrogen Sulfide Odor (C1)	_____ Crayfish Burrows (C8)
_____ Sediment Deposits (B2)	_____ Oxidized Rhizospheres on Living Roots (C3)	_____ Saturation Visible on Aerial Imagery (C9)
_____ Drift Deposits (B3)	_____ Presence of Reduced Iron (C4)	_____ Stunted or Stressed Plants (D1)
_____ Algal Mat or Crust (B4)	_____ Recent Iron Reduction in Tilled Soils (C6)	<input checked="" type="checkbox"/> 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 Depth (inches): 0
 Water Table Present Yes No _____ Depth (inches): 0 – surface
 Saturation Present Yes No _____ Depth (inches): 0 – surface **Wetland Hydrology Present?** Yes No _____
 (includes capillary fringe)

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:
 Aerial photo review completed prior to site investigation

Remarks:

VEGETATION – Use scientific names of plants.

Sampling Point: A1-Wet

<i>Tree Stratum</i> (Plot Size:)		Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test Worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: _____ (A) Total Number of Dominant Species Across All Strata: _____ (B) Percent of Dominant Species That Are OBL, FACW, or FAC: _____ (A/B)
1.					
2.					
3.					
4.					
5.					
6.					
7.					
		= Total Cover			Prevalence Index Worksheet: Total % Cover of: Multiply by: OBL species x 1 = _____ FACW species x 2 = _____ FAC species x 3 = _____ FACU species x 4 = _____ UPL species x 5 = _____ Column Totals: (A) (B) Prevalence Index = B/A = _____
<i>Sapling/Shrub Stratum</i> (Plot Size: 15 feet)					
1.	<i>Salix discolor</i>	20	Yes	FACW	
2.					
3.					
4.					
5.					
6.					
7.					
50% = 10, 20% = 5		20	= Total Cover		
<i>Herb Stratum</i> (Plot Size: 10 feet)					Hydrophytic Vegetation Indicators: <input checked="" type="checkbox"/> Rapid Test for Hydrophytic Vegetation <input type="checkbox"/> Dominance Test is >50% <input type="checkbox"/> Prevalence Index is $\leq 3.0^1$ <input type="checkbox"/> Morphological Adaptations ¹ (Provide supporting Data in Remarks or on a separate sheet) <input type="checkbox"/> Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must Be present, unless disturbed or problematic.
1.	<i>Typha angustifolia</i>	55	Yes	OBL	
2.	<i>Doellingeria umbellata</i>	10	No	FACW	
3.	<i>Symphyotrichum novi-belgii</i>	15	No	FACW	
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
50% = 40, 20% = 16		80	= Total Cover		
<i>Woody Vine Stratum</i> : (Plot Size: 15 feet)					Definitions of Vegetation Strata: Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height. Sapling/shrub – Woody plants less than 3 in. 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 vines – All woody vines greater than 3.28 ft in height.
1.	<i>Vitis riparia</i>	3	Yes	FACW	
2.					
3.					
4.					
5.					
6.					
7.					
50% = 1.5, 20% = 0.6		3	= Total Cover		
Hydrophytic Vegetation Present? Yes <input checked="" type="checkbox"/> No _____					
Remarks: (Include photo numbers here or on a separate sheet.) Photos 8 and 9					

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Mahar Property City/County: Monroe County Sampling Date: 10/04/11
 Applicant/Owner: Waste Management of New York, LLC State: New York Sampling Point: A-1 Upl
 Investigator(s): Johanna E. Duffy, Barton & Loguidice, PC Section, Township, Range: Town of Riga
 Landform (hillslope, terrace, etc.): _____ Local relief (concave, convex, none): Concave
 Slope (%): 0-2% Lat: 43° 2' 46.864" N Long: 77° 56' 9.825" W Datum: UTM NAD 83
 Soil Map Unit Name: Brockport Silty Clay Loam, 0-2% slopes NWI classification: N/A

Are climatic/hydrologic conditions on the site typical for this time of year? Yes No _____ (If no, explain in Remarks.)
 Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes? 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 <input checked="" type="checkbox"/>	Is the Sampled Area within a Wetland?	Yes _____	No <input checked="" type="checkbox"/>
Hydric Soil Present?	Yes <input checked="" type="checkbox"/>	No _____		Yes _____	No _____
Wetland Hydrology Present?	Yes _____	No <input checked="" type="checkbox"/>	If yes, optional Wetland Site ID: _____		

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

HYDROLOGY

Wetland Hydrology Indicators:	<u>Secondary Indicators (minimum of two required)</u>
<u>Primary Indicators (minimum of one is required; check all that apply)</u>	
<input type="checkbox"/> Surface Water (A1)	<input type="checkbox"/> Surface Soil Cracks (B6)
<input type="checkbox"/> High Water Table (A2)	<input type="checkbox"/> Drainage Patterns (B10)
<input type="checkbox"/> Saturation (A3)	<input type="checkbox"/> Moss Trim Lines (B16)
<input type="checkbox"/> Water Marks (B1)	<input type="checkbox"/> Dry-Season Water Table (C2)
<input type="checkbox"/> Sediment Deposits (B2)	<input type="checkbox"/> Crayfish Burrows (C8)
<input type="checkbox"/> Drift Deposits (B3)	<input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)
<input type="checkbox"/> Algal Mat or Crust (B4)	<input type="checkbox"/> Stunted or Stressed Plants (D1)
<input type="checkbox"/> Iron Deposits (B5)	<input checked="" type="checkbox"/> Geomorphic Position (D2)
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)	<input type="checkbox"/> Shallow Aquitard (D3)
<input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)	<input type="checkbox"/> Microtopographic Relief (D4)
<input type="checkbox"/> Water-Stained Leaves (B9)	<input type="checkbox"/> FAC-Neutral Test (D5)
<input type="checkbox"/> Aquatic Fauna (B13)	
<input type="checkbox"/> Marl Deposits (B15)	
<input type="checkbox"/> Hydrogen Sulfide Odor (C1)	
<input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3)	
<input type="checkbox"/> Presence of Reduced Iron (C4)	
<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)	
<input type="checkbox"/> Thin Muck Surface (C7)	
<input type="checkbox"/> Other (Explain in Remarks)	

Field Observations:
 Surface Water Present? Yes _____ No Depth (inches): 0
 Water Table Present Yes _____ No Depth (inches): >12.0
 Saturation Present Yes _____ No Depth (inches): >12.0 **Wetland Hydrology Present?** Yes _____ No
 (includes capillary fringe)

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:
 Aerial photo review completed prior to site investigation

Remarks:

VEGETATION – Use scientific names of plants.

Sampling Point: A1-Upl

<i>Tree Stratum</i> (Plot Size:)	Absolute % Cover	Dominant Species?	Indicator Status		
1.				Dominance Test Worksheet:	
2.				Number of Dominant Species	
3.				That Are OBL, FACW, or FAC: <u>1</u> (A)	
4.				Total Number of Dominant	
5.				Species Across All Strata: <u>3</u> (B)	
6.				Percent of Dominant Species	
7.				That Are OBL, FACW, or FAC: <u>.3333 (33%)</u> (A/B)	
			= Total Cover		
<i>Sapling/Shrub Stratum</i> (Plot Size: 15 feet)					
1.	<i>Cornus amomum</i>	25	Yes	FACW	Prevalence Index Worksheet:
2.					<u> </u> Total % Cover of: <u> </u> Multiply by:
3.					OBL species <u>0</u> x 1 = <u>0</u>
4.					FACW species <u>2</u> x 2 = <u>4</u>
5.					FAC species <u>0</u> x 3 = <u>0</u>
6.					FACU species <u>2</u> x 4 = <u>8</u>
7.					UPL species <u>2</u> x 5 = <u>10</u>
50% = 12.5, 20% = 5			25	= Total Cover	Column Totals: <u>6</u> (A) <u>22</u> (B)
<i>Herb Stratum</i> (Plot Size: 5 feet)					
1.	<i>Zea mays</i>	20	Yes	NI	Hydrophytic Vegetation Indicators:
2.	<i>Dipsacus fullonum</i>	5	No	NI	- Rapid Test for Hydrophytic Vegetation
3.	<i>Phleum pratense</i>	10	No	FACU	- Dominance Test is >50%
4.	<i>Doellingeria umbellata</i>	15	No	FACW	- Prevalence Index is <=3.0 ¹
5.	<i>Hieracium caespitosum</i>	2	No	UPL	- Morphological Adaptations ¹ (Provide supporting
6.	<i>Plantago lanceolata</i>	2	No	UPL	Data in Remarks or on a separate sheet)
7.	<i>Andropogon virginicus</i>	40	Yes	FACU	- Problematic Hydrophytic Vegetation ¹ (Explain)
8.					¹ Indicators of hydric soil and wetland hydrology must
9.					Be present, unless disturbed or problematic.
10.					Definitions of Vegetation Strata:
11.					Tree - Woody plants 3 in. (7.6 cm) or more in diameter
12.					at breast height (DBH), regardless of height.
13.					Sapling/shrub – Woody plants less than 3 in. DBH
14.					and greater than 3.28 ft (1 m) tall.
50% = 47, 20% = 18.8			94	= Total Cover	Herb – All herbaceous (non-woody) plants, regardless
<i>Woody Vine Stratum:</i> (Plot Size: feet)					
1.					of size, and woody plants less than 3.28 ft tall.
2.					Woody vines – All woody vines greater than 3.28 ft in
3.					height.
4.					Hydrophytic
5.					Vegetation
6.					Present? Yes <u> </u> No <u>X</u>
7.					
			= Total Cover		
Remarks: (Include photo numbers here or on a separate sheet.)					

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Mahar Property City/County: Monroe County Sampling Date: 10/04/11
 Applicant/Owner: Waste Management of New York, LLC State: New York Sampling Point: B-1 Wet
 Investigator(s): Johanna E. Duffy, Barton & Loguidice, PC Section, Township, Range: Town of Riga
 Landform (hillslope, terrace, etc.): _____ Local relief (concave, convex, none): Concave
 Slope (%): 0-2% Lat: 43° 2' 35.736" N Long: 77° 56' 14.012" W Datum: UTM NAD 83
 Soil Map Unit Name: Sun loam, moderately shallow variant NWI classification: PFO1

Are climatic/hydrologic conditions on the site typical for this time of year? Yes No _____ (If no, explain in Remarks.)
 Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes? 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 <input checked="" type="checkbox"/>	No _____	Is the Sampled Area within a Wetland?	Yes <input checked="" type="checkbox"/>	No _____
Hydric Soil Present?	Yes <input checked="" type="checkbox"/>	No _____			
Wetland Hydrology Present?	Yes <input checked="" type="checkbox"/>	No _____		If yes, optional Wetland Site ID: <u>Wetland B</u>	

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

HYDROLOGY

Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
<u>Primary Indicators (minimum of one is required; check all that apply)</u>	
<input type="checkbox"/> Surface Water (A1)	<input type="checkbox"/> Surface Soil Cracks (B6)
<input checked="" type="checkbox"/> Water Marks (B1)	<input type="checkbox"/> Drainage Patterns (B10)
<input type="checkbox"/> High Water Table (A2)	<input type="checkbox"/> Moss Trim Lines (B16)
<input type="checkbox"/> Saturation (A3)	<input type="checkbox"/> Dry-Season Water Table (C2)
<input type="checkbox"/> Sediment Deposits (B2)	<input type="checkbox"/> Crayfish Burrows (C8)
<input type="checkbox"/> Drift Deposits (B3)	<input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)
<input type="checkbox"/> Algal Mat or Crust (B4)	<input type="checkbox"/> Stunted or Stressed Plants (D1)
<input type="checkbox"/> Iron Deposits (B5)	<input checked="" type="checkbox"/> Geomorphic Position (D2)
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)	<input type="checkbox"/> Shallow Aquitard (D3)
<input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)	<input type="checkbox"/> Microtopographic Relief (D4)
<input checked="" type="checkbox"/> Water-Stained Leaves (B9)	<input type="checkbox"/> FAC-Neutral Test (D5)
<input type="checkbox"/> Aquatic Fauna (B13)	
<input type="checkbox"/> Marl Deposits (B15)	
<input type="checkbox"/> Hydrogen Sulfide Odor (C1)	
<input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3)	
<input type="checkbox"/> Presence of Reduced Iron (C4)	
<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)	
<input type="checkbox"/> Thin Muck Surface (C7)	
<input type="checkbox"/> Other (Explain in Remarks)	

Field Observations:
 Surface Water Present? Yes _____ No Depth (inches): 0
 Water Table Present Yes _____ No Depth (inches): >12.0
 Saturation Present Yes _____ No Depth (inches): >12.0 **Wetland Hydrology Present?** Yes No _____
 (includes capillary fringe)

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:
 Aerial photo review completed prior to site investigation

Remarks:
 Seasonal inundation and saturation of soils

VEGETATION – Use scientific names of plants.

Sampling Point: B1-Wet

Tree Stratum (Plot Size: 30 feet)	Absolute % Cover	Dominant Species?	Indicator Status		
1. <i>Acer saccharinum</i>	45	Yes	FACW	Dominance Test Worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>3</u> (A) Total Number of Dominant Species Across All Strata: <u>3</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100%</u> (A/B)	
2. <i>Fraxinus pennsylvanica</i>	15	Yes	FACW		
3.					
4.					
5.					
6.					
7.					
50% = 30, 20% = 12	60	= Total Cover			
Sapling/Shrub Stratum (Plot Size: feet)					
1.					
2.					
3.					
4.					
5.					
6.					
		= Total Cover			
Herb Stratum (Plot Size: 5 feet)				Hydrophytic Vegetation Indicators: - Rapid Test for Hydrophytic Vegetation X Dominance Test is >50% Prevalence Index is <=3.0 ¹ Morphological Adaptations ¹ (Provide supporting Data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must Be present, unless disturbed or problematic.	
1. <i>Toxicodendron radicans</i>	5	Yes	FAC		
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
50% = 2.5, 20% = 1	5	= Total Cover		Definitions of Vegetation Strata: Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height. Sapling/shrub – Woody plants less than 3 in. 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 vines – All woody vines greater than 3.28 ft in height.	
Woody Vine Stratum: (Plot Size: 15 feet)					
1.					
2.					
3.					
4.					
5.					
6.					
		= Total Cover		Hydrophytic Vegetation Present? Yes <u> X </u> No <u> </u>	
Remarks: (Include photo numbers here or on a separate sheet.)					
Photo 10					

SOIL

Sampling Point: B1- wet

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

Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0-2	10 YR 3/1	100	-	-	-	-	-	Organic surface layer
2-8	10 YR 4/1	80	10 YR 5/6	15	C	M	Loam	
			7.5 YR 5/8	5	C	M		
8-10+	10 YR 4/1	78	10 YR 5/6	15	C	M	Silty clay loam	Roots made it difficult to sample further
			7.5 YR 5/8	5	C	M		
			10 YR 6/1	2	C	M		

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS= Covered or Coated Sand Grains. ²Location: PL=Pore Lining, M=Matrix.

Hydric Soils Indicators:

Indicators for Problematic Hydric Soils³:

- | | | |
|--|---|---|
| <input type="checkbox"/> Histosol (A1) | <input type="checkbox"/> Polyvalue Below Surface (S8) (LRR R, MLRA 149B) | <input type="checkbox"/> 2 cm Muck (A10) (LRR K, L, MLRA 149B) |
| <input type="checkbox"/> Histic Epipedon (A2) | <input type="checkbox"/> Thin Dark Surface (S9) (LRR R, MLRA 149B) | <input type="checkbox"/> Coast Prairie Redox (A16) (LRR K, L, 4) |
| <input type="checkbox"/> Black Histic (A3) | <input type="checkbox"/> Loamy Mucky Mineral (F1) (LRR K, L) | <input type="checkbox"/> 5 cm Mucky Peat or Peat (S3) (LRR K, L, R) |
| <input type="checkbox"/> Hydrogen Sulfide (A4) | <input type="checkbox"/> Loamy Gleyed Matrix (F2) | <input type="checkbox"/> Dark Surface (S7) (LRR K, L) |
| <input type="checkbox"/> Stratified Layers (A5) | <input checked="" type="checkbox"/> Depleted Matrix (F3) | <input type="checkbox"/> Polyvalue Below Surface (S8) (BLRR K, L) |
| <input type="checkbox"/> Depleted Below Dark Surface (A11) | <input type="checkbox"/> Redox DarkSurface (F6) | <input type="checkbox"/> Thin Dark Surface (S9) (LRR K, L) |
| <input type="checkbox"/> Thick Dark Surface (A12) | <input type="checkbox"/> Depleted Dark Surface (F7) | <input type="checkbox"/> Iron-Manganese Masses (F12) (LRR K, L, R) |
| <input type="checkbox"/> Sandy Mucky Mineral (S1) | <input type="checkbox"/> Redox Depressions (F8) | <input type="checkbox"/> Piedmont Floodplain Soils (F19) (MLRA 149B) |
| <input type="checkbox"/> Sandy Gleyed Matrix (S4) | | <input type="checkbox"/> Mesic Spodic (TA6) (MLRA 144A, 145, 149B) |
| <input type="checkbox"/> Sandy Redox (S5) | | <input type="checkbox"/> Red Parent Material (TF2) |
| <input type="checkbox"/> Striped Matrix (S6) | | <input type="checkbox"/> Very Shallow Dark Surface (TF12) |
| <input type="checkbox"/> Dark Surface (S7) (LRR R, MLRA 149B) | | <input type="checkbox"/> Other (Explain in Remarks) |

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

Restrictive Layer (if observed):

Type: _____
 Depth (inches): _____

Hydric Soil Present? Yes No

Remarks:

St – local hydric soil unit

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Mahar Property City/County: Monroe County Sampling Date: 10/04/11
 Applicant/Owner: Waste Management of New York, LLC State: New York Sampling Point: C-1 Wet
 Investigator(s): Johanna E. Duffy, Barton & Loguidice, PC Section, Township, Range: Town of Riga
 Landform (hillslope, terrace, etc.): _____ Local relief (concave, convex, none): Concave
 Slope (%): 0-2% Lat: 43° 2' 34.649" N Long: 77° 56' 12.234" W Datum: UTM NAD 83
 Soil Map Unit Name: Sun loam, moderately shallow variant NWI classification: PFO1

Are climatic/hydrologic conditions on the site typical for this time of year? Yes No _____ (If no, explain in Remarks.)
 Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes? 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 <input checked="" type="checkbox"/> No _____	Is the Sampled Area within a Wetland?	
Hydric Soil Present?	Yes <input checked="" type="checkbox"/> No _____		Yes <input checked="" type="checkbox"/> No _____
Wetland Hydrology Present?	Yes <input checked="" type="checkbox"/> No _____		If yes, optional Wetland Site ID: <u>Wetland C</u>

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

HYDROLOGY

Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
<u>Primary Indicators (minimum of one is required; check all that apply)</u>	
<input type="checkbox"/> Surface Water (A1)	<input type="checkbox"/> Surface Soil Cracks (B6)
<input checked="" type="checkbox"/> Water Marks (B1)	<input type="checkbox"/> Drainage Patterns (B10)
<input type="checkbox"/> High Water Table (A2)	<input type="checkbox"/> Moss Trim Lines (B16)
<input type="checkbox"/> Saturation (A3)	<input type="checkbox"/> Dry-Season Water Table (C2)
<input type="checkbox"/> Sediment Deposits (B2)	<input type="checkbox"/> Crayfish Burrows (C8)
<input type="checkbox"/> Drift Deposits (B3)	<input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)
<input type="checkbox"/> Algal Mat or Crust (B4)	<input type="checkbox"/> Stunted or Stressed Plants (D1)
<input type="checkbox"/> Iron Deposits (B5)	<input checked="" type="checkbox"/> Geomorphic Position (D2)
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)	<input type="checkbox"/> Shallow Aquitard (D3)
<input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)	<input type="checkbox"/> Microtopographic Relief (D4)
<input checked="" type="checkbox"/> Water-Stained Leaves (B9)	<input type="checkbox"/> FAC-Neutral Test (D5)
<input type="checkbox"/> Aquatic Fauna (B13)	
<input type="checkbox"/> Marl Deposits (B15)	
<input type="checkbox"/> Hydrogen Sulfide Odor (C1)	
<input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3)	
<input type="checkbox"/> Presence of Reduced Iron (C4)	
<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)	
<input type="checkbox"/> Thin Muck Surface (C7)	
<input type="checkbox"/> Other (Explain in Remarks)	

Field Observations:
 Surface Water Present? Yes No _____ Depth (inches): 4.0
 Water Table Present Yes No _____ Depth (inches): 0 - surface
 Saturation Present Yes No _____ Depth (inches): 0 - surface **Wetland Hydrology Present?** Yes No _____
 (includes capillary fringe)

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:
Aerial photo review completed prior to site investigation

Remarks:
Seasonal inundation and saturation of soils
Shallow root zone observed

VEGETATION – Use scientific names of plants.

Sampling Point: C1-Wet

<i>Tree Stratum</i> (Plot Size: 30 feet)				Absolute % Cover	Dominant Species?	Indicator Status
1.	<i>Acer saccharinum</i>			45	Yes	FACW
2.	<i>Acer rubrum</i>			20	Yes	FAC
3.						
4.						
5.						
6.						
7.						
50% = 32.5, 20% = 13				65	= Total Cover	
<i>Sapling/Shrub Stratum</i> (Plot Size: feet)				Absolute % Cover	Dominant Species?	Indicator Status
1.						
2.						
3.						
4.						
5.						
6.						
7.						
					= Total Cover	
<i>Herb Stratum</i> (Plot Size: 5 feet)				Absolute % Cover	Dominant Species?	Indicator Status
1.	<i>Toxicodendron radicans</i>			5	Yes	FAC
2.	<i>Boehmeria cylindrica</i>			3	Yes	FACW
3.						
4.						
5.						
6.						
7.						
8.						
9.						
10.						
11.						
12.						
13.						
14.						
50% = 4, 20% = 1.6				8	= Total Cover	
<i>Woody Vine Stratum:</i> (Plot Size: 15 feet)				Absolute % Cover	Dominant Species?	Indicator Status
1.						
2.						
3.						
4.						
5.						
6.						
7.						
					= Total Cover	

Dominance Test Worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 4 (A)

Total Number of Dominant Species Across All Strata: 4 (B)

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

Prevalence Index Worksheet:

Total % Cover of: Multiply by:

OBL species x 1 =

FACW species x 2 =

FAC species x 3 =

FACU species x 4 =

UPL species x 5 =

Column Totals: (A) (B)

Prevalence Index = B/A =

Hydrophytic Vegetation Indicators:

- Rapid Test for Hydrophytic Vegetation

X Dominance Test is >50%

Prevalence Index is <=3.0¹

Morphological Adaptations¹ (Provide supporting Data in Remarks or on a separate sheet)

Problematic Hydrophytic Vegetation¹ (Explain)

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

Definitions of Vegetation Strata:

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

Sapling/shrub – Woody plants 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 vines – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? Yes X No

Remarks: (Include photo numbers here or on a separate sheet.)

Photo 10

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: _____ City/County: Monroe Sampling Date: 10/7/11
 Applicant/Owner: Waste Management of New York, LLC State: NY Sampling Point: D-1 WET
 Investigator(s): Todd J. Phillips Section, Township, Range: Town of Riga
 Landform (hillslope, terrace, etc.): _____ Local relief (concave, convex, none): Concave
 Slope (%): 0-2 Lat: _____ Long: _____ Datum: NAD 83
 Soil Map Unit Name: Ca-Canandaigua Silt Loam NWI classification: PFO1E

Are climatic/hydrologic conditions on the site typical for this time of year? Yes No _____ (If no, explain in Remarks.)
 Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes? 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 <input checked="" type="checkbox"/>	No _____	Is the Sampled Area within a Wetland?	Yes <input checked="" type="checkbox"/>	No _____
Hydric Soil Present?	Yes <input checked="" type="checkbox"/>	No _____			
Wetland Hydrology Present?	Yes <input checked="" type="checkbox"/>	No _____		If yes, optional Wetland Site ID: <u>D-1 WET</u>	

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

HYDROLOGY

Wetland Hydrology Indicators:		<u>Secondary Indicators (minimum of two required)</u>	
<u>Primary Indicators (minimum of one is required; check all that apply)</u>			
<input type="checkbox"/> Surface Water (A1)	<input type="checkbox"/> Water-Stained Leaves (B9)	<input type="checkbox"/> Surface Soil Cracks (B6)	
<input type="checkbox"/> High Water Table (A2)	<input type="checkbox"/> Aquatic Fauna (B13)	<input type="checkbox"/> Drainage Patterns (B10)	
<input type="checkbox"/> Saturation (A3)	<input type="checkbox"/> Marl Deposits (B15)	<input type="checkbox"/> Moss Trim Lines (B16)	
<input type="checkbox"/> Water Marks (B1)	<input type="checkbox"/> Hydrogen Sulfide Odor (C1)	<input type="checkbox"/> Dry-Season Water Table (C2)	
<input type="checkbox"/> Sediment Deposits (B2)	<input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3)	<input checked="" type="checkbox"/> Saturation Visible on Aerial Imagery (C9)	
<input type="checkbox"/> Drift Deposits (B3)	<input type="checkbox"/> Presence of Reduced Iron (C4)	<input type="checkbox"/> Stunted or Stressed Plants (D1)	
<input type="checkbox"/> Algal Mat or Crust (B4)	<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)	<input checked="" type="checkbox"/> Geomorphic Position (D2)	
<input type="checkbox"/> Iron Deposits (B5)	<input type="checkbox"/> Thin Muck Surface (C7)	<input type="checkbox"/> Shallow Aquitard (D3)	
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)	<input type="checkbox"/> Other (Explain in Remarks)	<input type="checkbox"/> Microtopographic Relief (D4)	
<input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)		<input type="checkbox"/> FAC-Neutral Test (D5)	

Field Observations:
 Surface Water Present? Yes _____ No Depth (inches): _____
 Water Table Present? Yes _____ No Depth (inches): _____
 Saturation Present? Yes _____ No Depth (inches): _____
 (includes capillary fringe) Wetland Hydrology Present? Yes No _____

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

Remarks:
 Very tight soils, two secondary indicators present, soil expected to be saturated during spring and initial plant growth.

VEGETATION – Use scientific names of plants.

Sampling Point: D1-WET

<i>Tree Stratum</i> (Plot Size: 30 feet)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test Worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>5</u> (A) Total Number of Dominant Species Across All Strata: <u>5</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100</u> (A/B)	
1. Acer rubrum	60	YES	FAC		
2. Fraxinus pennsylvanica	20	YES	FACW		
3. Populus deltoides	3	NO	FAC		
4.					
5.					
6.					
7.					
83		= Total Cover			
<i>Sapling/Shrub Stratum</i> (Plot Size: 15 feet)				Prevalence Index Worksheet: <div style="display: flex; justify-content: space-between;"> <u>Total % Cover of:</u> <u>Multiply by:</u> </div> OBL species _____ x 1 = _____ FACW species _____ x 2 = _____ FAC species _____ x 3 = _____ FACU species _____ x 4 = _____ UPL species _____ x 5 = _____ Column Totals: _____ (A) _____ (B) Prevalence Index = B/A =	
1. Fraxinus pennsylvanica	5	YES	FAC		
2.					
3.					
4.					
5.					
6.					
7.					
5		= Total Cover			
<i>Herb Stratum</i> (Plot Size: 5 feet)				Hydrophytic Vegetation Indicators: <input type="checkbox"/> Rapid Test for Hydrophytic Vegetation <input checked="" type="checkbox"/> Dominance Test is >50% <input type="checkbox"/> Prevalence Index is #3.0 ¹ <input type="checkbox"/> Morphological Adaptations ¹ (Provide supporting Data in Remarks or on a separate sheet) <input type="checkbox"/> Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must Be present, unless disturbed or problematic.	
1. Fraxinus pennsylvanica	3	YES	FAC		
2. Toxicodendron radicans	3	YES	FAC		
3. Rosa spp.	-	-	-		
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
6		= Total Cover			
<i>Woody Vine Stratum:</i> (Plot Size: 30 feet)				Definitions of Vegetation Strata: Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height. Sapling/shrub – Woody plants less than 3 in. 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 vines – All woody vines greater than 3.28 ft in height.	
1.					
2.					
3.					
4.					
5.					
6.					
7.					
= Total Cover					
Remarks: (Include photo numbers here or on a separate sheet.)					

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: _____ City/County: Monroe Sampling Date: 10/7/11
 Applicant/Owner: Waste Management of New York, LLC State: NY Sampling Point: D-2 WET
 Investigator(s): Todd J. Phillips Section, Township, Range: Town of Riga
 Landform (hillslope, terrace, etc.): _____ Local relief (concave, convex, none): Convex
 Slope (%): 0-2 Lat: _____ Long: _____ Datum: NAD 83
 Soil Map Unit Name: Ca-Canandaigua Silt Loam NWI classification: PFO1E

Are climatic/hydrologic conditions on the site typical for this time of year? Yes No _____ (If no, explain in Remarks.)
 Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes? 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 <input checked="" type="checkbox"/> No _____	Is the Sampled Area within a Wetland?	Yes <input checked="" type="checkbox"/> No _____
Hydric Soil Present?	Yes <input checked="" type="checkbox"/> No _____		
Wetland Hydrology Present?	Yes <input checked="" type="checkbox"/> No _____		

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

HYDROLOGY

Wetland Hydrology Indicators:		<u>Secondary Indicators (minimum of two required)</u>
<u>Primary Indicators (minimum of one is required; check all that apply)</u>		
<input type="checkbox"/> Surface Water (A1)	<input checked="" type="checkbox"/> Water-Stained Leaves (B9)	<input type="checkbox"/> Surface Soil Cracks (B6)
<input type="checkbox"/> High Water Table (A2)	<input type="checkbox"/> Aquatic Fauna (B13)	<input type="checkbox"/> Drainage Patterns (B10)
<input type="checkbox"/> Saturation (A3)	<input type="checkbox"/> Marl Deposits (B15)	<input type="checkbox"/> Moss Trim Lines (B16)
<input checked="" type="checkbox"/> Water Marks (B1)	<input type="checkbox"/> Hydrogen Sulfide Odor (C1)	<input type="checkbox"/> Dry-Season Water Table (C2)
<input type="checkbox"/> Sediment Deposits (B2)	<input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3)	<input checked="" type="checkbox"/> Saturation Visible on Aerial Imagery (C9)
<input type="checkbox"/> Drift Deposits (B3)	<input type="checkbox"/> Presence of Reduced Iron (C4)	<input type="checkbox"/> Stunted or Stressed Plants (D1)
<input type="checkbox"/> Algal Mat or Crust (B4)	<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)	<input checked="" type="checkbox"/> Geomorphic Position (D2)
<input type="checkbox"/> Iron Deposits (B5)	<input type="checkbox"/> Thin Muck Surface (C7)	<input type="checkbox"/> Shallow Aquitard (D3)
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)	<input type="checkbox"/> Other (Explain in Remarks)	<input type="checkbox"/> Microtopographic Relief (D4)
<input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)		<input type="checkbox"/> FAC-Neutral Test (D5)

Field Observations:
 Surface Water Present? Yes _____ No Depth (inches): _____
 Water Table Present? Yes _____ No Depth (inches): _____
 Saturation Present? Yes _____ No Depth (inches): _____
 (includes capillary fringe) **Wetland Hydrology Present?** Yes No _____

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

Remarks:

VEGETATION – Use scientific names of plants.

Sampling Point: D2-WET

<i>Tree Stratum</i> (Plot Size: 30 feet)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test Worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>4</u> (A) Total Number of Dominant Species Across All Strata: <u>4</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100</u> (A/B)			
1. Acer rubrum	60	YES	FAC			Prevalence Index Worksheet: <u> </u> Total % Cover of: <u> </u> Multiply by: OBL species <u> </u> x 1 = <u> </u> FACW species <u> </u> x 2 = <u> </u> FAC species <u> </u> x 3 = <u> </u> FACU species <u> </u> x 4 = <u> </u> UPL species <u> </u> x 5 = <u> </u> Column Totals: <u> </u> (A) <u> </u> (B) Prevalence Index = B/A =	
2. Fraxinus pennsylvanica	15	YES	FACW				
3. Populus deltoides	3	NO	FAC				
4.							
5.							
6.							
7.							
	78	= Total Cover					
<i>Sapling/Shrub Stratum</i> (Plot Size: 15 feet)				Hydrophytic Vegetation Indicators: <u> </u> Rapid Test for Hydrophytic Vegetation <input checked="" type="checkbox"/> Dominance Test is >50% <u> </u> Prevalence Index is #3.0 ¹ <u> </u> Morphological Adaptations ¹ (Provide supporting Data in Remarks or on a separate sheet) <u> </u> Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must Be present, unless disturbed or problematic.			
1. Fraxinus pennsylvanica	10	YES	FAC				
2. Acer saccharinum	5	YES	FACW				
3.							
4.							
5.							
6.							
7.							
	15	= Total Cover					
<i>Herb Stratum</i> (Plot Size: 5 feet)				Definitions of Vegetation Strata: Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height. Sapling/shrub – Woody plants less than 3 in. 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 vines – All woody vines greater than 3.28 ft in height. Hydrophytic Vegetation Present? Yes <u> X </u> No <u> </u>			
1. Rosa spp.	-	-	-				
2.							
3.							
4.							
5.							
6.							
7.							
8.							
9.							
10.							
11.							
12.							
13.							
14.							
	-	= Total Cover					
<i>Woody Vine Stratum:</i> (Plot Size: 30 feet)				Hydrophytic Vegetation Present? Yes <u> X </u> No <u> </u>			
1.							
2.							
3.							
4.							
5.							
6.							
7.							
	-	= Total Cover					
Remarks: (Include photo numbers here or on a separate sheet.)							

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: _____ City/County: Monroe Sampling Date: 10/7/11
 Applicant/Owner: Waste Management of New York, LLC State: NY Sampling Point: D-2 DRY
 Investigator(s): Todd J. Phillips Section, Township, Range: Town of Riga
 Landform (hillslope, terrace, etc.): Hillslope Local relief (concave, convex, none): Concave
 Slope (%): 0-2 Lat: _____ Long: _____ Datum: NAD 83
 Soil Map Unit Name: Ca-Canandaigua Silt Loam NWI classification: _____

Are climatic/hydrologic conditions on the site typical for this time of year? Yes No _____ (If no, explain in Remarks.)
 Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes? 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 <input checked="" type="checkbox"/>	Is the Sampled Area within a Wetland?	Yes _____ No <input checked="" type="checkbox"/>
Hydric Soil Present?	Yes _____ No <input checked="" type="checkbox"/>		Yes _____ No <input checked="" type="checkbox"/>
Wetland Hydrology Present?	Yes _____ No <input checked="" type="checkbox"/>		If yes, optional Wetland Site ID: <u>D-2 DRY</u>

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

HYDROLOGY

Wetland Hydrology Indicators:

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

- | | |
|--|---|
| <input type="checkbox"/> Surface Water (A1) | <input type="checkbox"/> Water-Stained Leaves (B9) |
| <input type="checkbox"/> High Water Table (A2) | <input type="checkbox"/> Aquatic Fauna (B13) |
| <input type="checkbox"/> Saturation (A3) | <input type="checkbox"/> Marl Deposits (B15) |
| <input type="checkbox"/> Water Marks (B1) | <input type="checkbox"/> Hydrogen Sulfide Odor (C1) |
| <input type="checkbox"/> Sediment Deposits (B2) | <input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3) |
| <input type="checkbox"/> Drift Deposits (B3) | <input type="checkbox"/> Presence of Reduced Iron (C4) |
| <input type="checkbox"/> Algal Mat or Crust (B4) | <input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6) |
| <input type="checkbox"/> Iron Deposits (B5) | <input type="checkbox"/> Thin Muck Surface (C7) |
| <input type="checkbox"/> Inundation Visible on Aerial Imagery (B7) | <input type="checkbox"/> Other (Explain in Remarks) |
| <input type="checkbox"/> Sparsely Vegetated Concave Surface (B8) | |

Secondary Indicators (minimum of two required)

- | |
|--|
| <input type="checkbox"/> Surface Soil Cracks (B6) |
| <input type="checkbox"/> Drainage Patterns (B10) |
| <input type="checkbox"/> Moss Trim Lines (B16) |
| <input type="checkbox"/> Dry-Season Water Table (C2) |
| <input type="checkbox"/> Crayfish Burrows (C8) |
| <input type="checkbox"/> Saturation Visible on Aerial Imagery (C9) |
| <input type="checkbox"/> Stunted or Stressed Plants (D1) |
| <input type="checkbox"/> Geomorphic Position (D2) |
| <input type="checkbox"/> Shallow Aquitard (D3) |
| <input type="checkbox"/> Microtopographic Relief (D4) |
| <input type="checkbox"/> FAC-Neutral Test (D5) |

Field Observations:

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

Wetland Hydrology Present? Yes _____ No

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

Remarks:

VEGETATION – Use scientific names of plants.

Sampling Point: D2-DRY

<i>Tree Stratum</i> (Plot Size: 30 feet)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test Worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>2</u> (A) Total Number of Dominant Species Across All Strata: <u>5</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>40</u> (A/B)	
1. Acer rubrum	20	YES	FAC		
2. Prunus pensylvanica	7	YES	FACU		
3. Prunus serotina	7	YES	UPL		
4.					
5.					
6.					
7.					
	34	= Total Cover			
<i>Sapling/Shrub Stratum</i> (Plot Size: 15 feet)				Prevalence Index Worksheet: <div style="display: flex; justify-content: space-between;"> <u>Total % Cover of:</u> <u>Multiply by:</u> </div> OBL species <u>0</u> x 1 = <u>0</u> FACW species <u>3</u> x 2 = <u>6</u> FAC species <u>45</u> x 3 = <u>135</u> FACU species <u>22</u> x 4 = <u>88</u> UPL species <u>7</u> x 5 = <u>35</u> Column Totals: <u>77</u> (A) <u>264</u> (B) Prevalence Index = B/A = 3.4	
1. Cornus racemosa	25	YES	FAC		
2. Lonicera tatarica	5	NO	FACU		
3. Fraxinus americana	5	NO	FACU		
4.					
5.					
6.					
7.					
	35	= Total Cover			
<i>Herb Stratum</i> (Plot Size: 5 feet)				Hydrophytic Vegetation Indicators: _____ Rapid Test for Hydrophytic Vegetation _____ Dominance Test is >50% _____ Prevalence Index is #3.0 ¹ _____ Morphological Adaptations ¹ (Provide supporting Data in Remarks or on a separate sheet) _____ Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must Be present, unless disturbed or problematic. Definitions of Vegetation Strata: Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height. Sapling/shrub – Woody plants 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 vines – All woody vines greater than 3.28 ft in height.	
1. Rosa spp.	-	-	-		
2. Lonicera tatarica	5	YES	FACU		
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
	5	= Total Cover			
<i>Woody Vine Stratum:</i> (Plot Size: 30 feet)				Hydrophytic Vegetation Present? Yes _____ No <u>X</u>	
1. Vitis riparia	3	YES	FACW		
2.					
3.					
4.					
5.					
6.					
7.					
	3	= Total Cover			
Remarks: (Include photo numbers here or on a separate sheet.)					

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: _____ City/County: Monroe Sampling Date: 10/7/11
 Applicant/Owner: Waste Management of New York, LLC State: NY Sampling Point: D-3 WET
 Investigator(s): Todd J. Phillips Section, Township, Range: Town of Riga
 Landform (hillslope, terrace, etc.): _____ Local relief (concave, convex, none): Convex
 Slope (%): 0-2 Lat: _____ Long: _____ Datum: NAD 83
 Soil Map Unit Name: Ca-Canandaigua Silt Loam NWI classification: PFO1E

Are climatic/hydrologic conditions on the site typical for this time of year? Yes No _____ (If no, explain in Remarks.)
 Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes? 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 <input checked="" type="checkbox"/> No _____	Is the Sampled Area within a Wetland?	Yes <input checked="" type="checkbox"/> No _____
Hydric Soil Present?	Yes <input checked="" type="checkbox"/> No _____		
Wetland Hydrology Present?	Yes <input checked="" type="checkbox"/> No _____		If yes, optional Wetland Site ID: <u>D-3 WET</u>

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

HYDROLOGY

Wetland Hydrology Indicators:		<u>Secondary Indicators (minimum of two required)</u>
<u>Primary Indicators (minimum of one is required; check all that apply)</u>		
<input type="checkbox"/> Surface Water (A1)	<input checked="" type="checkbox"/> Water-Stained Leaves (B9)	<input type="checkbox"/> Surface Soil Cracks (B6)
<input type="checkbox"/> High Water Table (A2)	<input type="checkbox"/> Aquatic Fauna (B13)	<input type="checkbox"/> Drainage Patterns (B10)
<input checked="" type="checkbox"/> Saturation (A3)	<input type="checkbox"/> Marl Deposits (B15)	<input type="checkbox"/> Moss Trim Lines (B16)
<input type="checkbox"/> Water Marks (B1)	<input type="checkbox"/> Hydrogen Sulfide Odor (C1)	<input type="checkbox"/> Dry-Season Water Table (C2)
<input type="checkbox"/> Sediment Deposits (B2)	<input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3)	<input type="checkbox"/> Crayfish Burrows (C8)
<input type="checkbox"/> Drift Deposits (B3)	<input type="checkbox"/> Presence of Reduced Iron (C4)	<input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)
<input type="checkbox"/> Algal Mat or Crust (B4)	<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)	<input type="checkbox"/> Stunted or Stressed Plants (D1)
<input type="checkbox"/> Iron Deposits (B5)	<input type="checkbox"/> Thin Muck Surface (C7)	<input type="checkbox"/> Geomorphic Position (D2)
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)	<input type="checkbox"/> Other (Explain in Remarks)	<input type="checkbox"/> Shallow Aquitard (D3)
<input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)		<input type="checkbox"/> Microtopographic Relief (D4)
		<input type="checkbox"/> FAC-Neutral Test (D5)

Field Observations:
 Surface Water Present? Yes _____ No Depth (inches): _____
 Water Table Present? Yes _____ No Depth (inches): _____
 Saturation Present? Yes No _____ Depth (inches): 7"
 (includes capillary fringe)

Wetland Hydrology Present? Yes No _____

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

Remarks:

VEGETATION – Use scientific names of plants.

Sampling Point: D3-WET

<i>Tree Stratum</i> (Plot Size: 30 feet)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test Worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>3</u> (A) Total Number of Dominant Species Across All Strata: <u>3</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100</u> (A/B)			
1. Acer rubrum	60	YES	FAC			Prevalence Index Worksheet: Total % Cover of: Multiply by: OBL species x 1 = _____ FACW species x 2 = _____ FAC species x 3 = _____ FACU species x 4 = _____ UPL species x 5 = _____ Column Totals: _____ (A) _____ (B) Prevalence Index = B/A = _____	
2.							
3.							
4.							
5.							
6.							
7.							
	60	= Total Cover					
<i>Sapling/Shrub Stratum</i> (Plot Size: 15 feet)				Hydrophytic Vegetation Indicators: <input type="checkbox"/> Rapid Test for Hydrophytic Vegetation <input checked="" type="checkbox"/> Dominance Test is >50% <input type="checkbox"/> Prevalence Index is #3.0 ¹ <input type="checkbox"/> Morphological Adaptations ¹ (Provide supporting Data in Remarks or on a separate sheet) <input type="checkbox"/> Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must Be present, unless disturbed or problematic.			
1. Fraxinus pennsylvanica	15	YES	FAC				
2. Acer rubrum	3	YES	FAC				
3.							
4.							
5.							
6.							
7.							
	18	= Total Cover					
<i>Herb Stratum</i> (Plot Size: 5 feet)				Definitions of Vegetation Strata: Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height. Sapling/shrub – Woody plants less than 3 in. 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 vines – All woody vines greater than 3.28 ft in height. Hydrophytic Vegetation Present? Yes <u>X</u> No _____			
1. Rosa spp.	-	-	-				
2.							
3.							
4.							
5.							
6.							
7.							
8.							
9.							
10.							
11.							
12.							
13.							
14.							
	-	= Total Cover					
<i>Woody Vine Stratum:</i> (Plot Size: 30 feet)				Hydrophytic Vegetation Present? Yes <u>X</u> No _____			
1.							
2.							
3.							
4.							
5.							
6.							
7.							
	-	= Total Cover					
Remarks: (Include photo numbers here or on a separate sheet.)							

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: _____ City/County: Monroe Sampling Date: 10/7/11
 Applicant/Owner: Waste Management of New York, LLC State: NY Sampling Point: D-3 UPL
 Investigator(s): Todd J. Phillips Section, Township, Range: Town of Riga
 Landform (hillslope, terrace, etc.): Hillslope Local relief (concave, convex, none): Concave
 Slope (%): 2-8 Lat: _____ Long: _____ Datum: NAD 83
 Soil Map Unit Name: RgB-Riga Silt Loam NWI classification: _____

Are climatic/hydrologic conditions on the site typical for this time of year? Yes No _____ (If no, explain in Remarks.)
 Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes? 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 <input checked="" type="checkbox"/>	Is the Sampled Area within a Wetland?	Yes _____ No <input checked="" type="checkbox"/>
Hydric Soil Present?	Yes <input checked="" type="checkbox"/> No _____		
Wetland Hydrology Present?	Yes _____ No <input checked="" type="checkbox"/>	If yes, optional Wetland Site ID: <u>D-3 UPL</u>	

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

HYDROLOGY

Wetland Hydrology Indicators:		<u>Secondary Indicators (minimum of two required)</u>
<u>Primary Indicators (minimum of one is required; check all that apply)</u>		_____ Surface Soil Cracks (B6)
_____ Surface Water (A1)	_____ Water-Stained Leaves (B9)	_____ Drainage Patterns (B10)
_____ High Water Table (A2)	_____ Aquatic Fauna (B13)	_____ Moss Trim Lines (B16)
_____ Saturation (A3)	_____ Marl Deposits (B15)	_____ Dry-Season Water Table (C2)
_____ Water Marks (B1)	_____ Hydrogen Sulfide Odor (C1)	_____ Crayfish Burrows (C8)
_____ Sediment Deposits (B2)	_____ Oxidized Rhizospheres on Living Roots (C3)	_____ Saturation Visible on Aerial Imagery (C9)
_____ Drift Deposits (B3)	_____ Presence of Reduced Iron (C4)	_____ Stunted or Stressed Plants (D1)
_____ Algal Mat or Crust (B4)	_____ Recent Iron Reduction in Tilled Soils (C6)	_____ Geomorphic Position (D2)
_____ Iron Deposits (B5)	_____ Thin Muck Surface (C7)	_____ Shallow Aquitard (D3)
_____ Inundation Visible on Aerial Imagery (B7)	_____ Other (Explain in Remarks)	_____ Microtopographic Relief (D4)
_____ Sparsely Vegetated Concave Surface (B8)		_____ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes _____ No Depth (inches): _____
 Water Table Present Yes _____ No Depth (inches): _____
 Saturation Present 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:

VEGETATION – Use scientific names of plants.

Sampling Point: D3-UPL

<i>Tree Stratum</i> (Plot Size: 30 feet)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test Worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>1</u> (A) Total Number of Dominant Species Across All Strata: <u>3</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>33</u> (A/B)
1. Acer sacchrum	20	YES	FACU	
2. Crataegus spp.	-	-	-	
3. Prunus serotina	7	No	UPL	
4. Malus spp.	-	-	-	
5. Ulmus americana	10	YES	FACW	
6.				
7.				
	37	= Total Cover		
<i>Sapling/Shrub Stratum</i> (Plot Size: 15 feet)				Prevalence Index Worksheet: <div style="display: flex; justify-content: space-between;"> <u>Total % Cover of:</u> <u>Multiply by:</u> </div> OBL species <u>0</u> x 1 = <u>0</u> FACW species <u>10</u> x 2 = <u>20</u> FAC species <u>0</u> x 3 = <u>0</u> FACU species <u>20</u> x 4 = <u>80</u> UPL species <u>12</u> x 5 = <u>60</u> Column Totals: <u>42</u> (A) <u>160</u> (B) Prevalence Index = B/A = <u>3.8</u>
1.				
2.				
3.				
4.				
5.				
6.				
7.				
		= Total Cover		
<i>Herb Stratum</i> (Plot Size: 5 feet)				Hydrophytic Vegetation Indicators: <input type="checkbox"/> Rapid Test for Hydrophytic Vegetation <input type="checkbox"/> Dominance Test is >50% <input type="checkbox"/> Prevalence Index is #3.0 ¹ <input type="checkbox"/> Morphological Adaptations ¹ (Provide supporting Data in Remarks or on a separate sheet) <input type="checkbox"/> Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must Be present, unless disturbed or problematic.
1. Symphyotrichum porteri	5	YES	NI	
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
	5	= Total Cover		
<i>Woody Vine Stratum:</i> (Plot Size: 30 feet)				Definitions of Vegetation Strata: Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height. Sapling/shrub – Woody plants less than 3 in. 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 vines – All woody vines greater than 3.28 ft in height.
1.				
2.				
3.				
4.				
5.				
6.				
7.				
	-	= Total Cover		
Hydrophytic Vegetation Present? Yes <u> </u> No <u> X </u>				
Remarks: (Include photo numbers here or on a separate sheet.)				

SOIL

Sampling Point: D-3 UPL

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)								
Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0-4	10YR 3/1	100					Sandy Loam	
4-9	10YR 4/2	100					Sandy Loam	
9-14+	10YR 5/3	45	10YR 5/4	40		M		Mixed matrix
			10YR 4/4	5	C	PL		

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS= Covered or Coated Sand Grains. ²Location: PL=Pore Lining, M=Matrix.

Hydric Soils Indicators:		Indicators for Problematic Hydric Soils³:	
<input type="checkbox"/> Histosol (A1)	<input type="checkbox"/> Polyvalue Below Surface (S8) (LRR R, MLRA 149B)	<input type="checkbox"/> 2 cm Muck (A10) (LRR K, L, MLRA 149B)	
<input type="checkbox"/> Histic Epipedon (A2)	<input type="checkbox"/> Thin Dark Surface (S9) (LRR R, MLRA 149B)	<input type="checkbox"/> Coast Prairie Redox (A16) (LRR K, L, 4)	
<input type="checkbox"/> Black Histic (A3)	<input type="checkbox"/> Loamy Mucky Mineral (F1) (LRR K, L)	<input type="checkbox"/> 5 cm Mucky Peat or Peat (S3) (LRR K, L, R)	
<input type="checkbox"/> Hydrogen Sulfide (A4)	<input type="checkbox"/> Loamy Gleyed Matrix (F2)	<input type="checkbox"/> Dark Surface (S7) (LRR K, L)	
<input type="checkbox"/> Stratified Layers (A5)	<input checked="" type="checkbox"/> Depleted Matrix (F3)	<input type="checkbox"/> Polyvalue Below Surface (S8) (BLRR K, L)	
<input type="checkbox"/> Depleted Below Dark Surface (A11)	<input type="checkbox"/> Redox DarkSurface (F6)	<input type="checkbox"/> Thin Dark Surface (S9) (LRR K, L)	
<input type="checkbox"/> Thick Dark Surface (A12)	<input type="checkbox"/> Depleted Dark Surface (F7)	<input type="checkbox"/> Iron-Manganese Masses (F12) (LRR K, L, R)	
<input type="checkbox"/> Sandy Mucky Mineral (S1)	<input type="checkbox"/> Redox Depressions (F8)	<input type="checkbox"/> Piedmont Floodplain Soils (F19) (MLRA 149B)	
<input type="checkbox"/> Sandy Gleyed Matrix (S4)		<input type="checkbox"/> Mesic Spodic (TA6) (MLRA 144A, 145, 149B)	
<input type="checkbox"/> Sandy Redox (S5)		<input type="checkbox"/> Red Parent Material (TF2)	
<input type="checkbox"/> Striped Matrix (S6)		<input type="checkbox"/> Very Shallow Dark Surface (TF12)	
<input type="checkbox"/> Dark Surface (S7) (LRR R, MLRA 149B)		<input type="checkbox"/> Other (Explain in Remarks)	

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

Restrictive Layer (if observed): Type: _____ Depth (inches): _____	Hydric Soil Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
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Remarks:

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Mahar Property City/County: Monroe County Sampling Date: 10/07/11
 Applicant/Owner: Waste Management of New York, LLC State: New York Sampling Point: D-4 Wet
 Investigator(s): Johanna E. Duffy, Barton & Loguidice, PC Section, Township, Range: Town of Riga
 Landform (hillslope, terrace, etc.): _____ Local relief (concave, convex, none): Concave
 Slope (%): 0-2% Lat: 43° 2' 34.549" N Long: 77° 55' 36.85" W Datum: UTM NAD 83
 Soil Map Unit Name: Canandaigua Silt Loam NWI classification: PSS1/PEM1

Are climatic/hydrologic conditions on the site typical for this time of year? Yes No _____ (If no, explain in Remarks.)
 Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes? 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 <input checked="" type="checkbox"/>	No _____	Is the Sampled Area within a Wetland?	Yes <input checked="" type="checkbox"/>	No _____
Hydric Soil Present?	Yes <input checked="" type="checkbox"/>	No _____			
Wetland Hydrology Present?	Yes <input checked="" type="checkbox"/>	No _____		If yes, optional Wetland Site ID: <u>Wetland D</u>	

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

HYDROLOGY

Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
<u>Primary Indicators (minimum of one is required; check all that apply)</u>	
<input type="checkbox"/> Surface Water (A1)	<input type="checkbox"/> Surface Soil Cracks (B6)
<input type="checkbox"/> High Water Table (A2)	<input type="checkbox"/> Drainage Patterns (B10)
<input checked="" type="checkbox"/> Saturation (A3)	<input type="checkbox"/> Moss Trim Lines (B16)
<input type="checkbox"/> Water Marks (B1)	<input type="checkbox"/> Dry-Season Water Table (C2)
<input type="checkbox"/> Sediment Deposits (B2)	<input type="checkbox"/> Crayfish Burrows (C8)
<input type="checkbox"/> Drift Deposits (B3)	<input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)
<input type="checkbox"/> Algal Mat or Crust (B4)	<input type="checkbox"/> Stunted or Stressed Plants (D1)
<input type="checkbox"/> Iron Deposits (B5)	<input type="checkbox"/> Geomorphic Position (D2)
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)	<input type="checkbox"/> Shallow Aquitard (D3)
<input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)	<input type="checkbox"/> Microtopographic Relief (D4)
	<input type="checkbox"/> FAC-Neutral Test (D5)

Field Observations:
 Surface Water Present? Yes _____ No Depth (inches): 0
 Water Table Present Yes _____ No Depth (inches): >12.0
 Saturation Present Yes No _____ Depth (inches): 0 - surface **Wetland Hydrology Present?** Yes _____ No
 (includes capillary fringe)

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:
Aerial photo review completed prior to site investigation

Remarks:

VEGETATION – Use scientific names of plants.

Sampling Point: D4-Wet

Tree Stratum (Plot Size: 30 feet)	Absolute % Cover	Dominant Species?	Indicator Status	
1.				Dominance Test Worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: _____ (A) Total Number of Dominant Species Across All Strata: _____ (B) Percent of Dominant Species That Are OBL, FACW, or FAC: _____ (A/B)
2.				
3.				
4.				
5.				
6.				
7.				
			= Total Cover	Prevalence Index Worksheet: Total % Cover of: Multiply by: OBL species x 1 = _____ FACW species x 2 = _____ FAC species x 3 = _____ FACU species x 4 = _____ UPL species x 5 = _____ Column Totals: (A) (B) Prevalence Index = B/A = _____
Sapling/Shrub Stratum (Plot Size: 15 feet)				
1. <i>Cornus amomum</i>	10	Yes	FACW	
2.				
3.				
4.				
5.				
6.				
7.				
50% = 5, 20% = 2			10 = Total Cover	
Herb Stratum (Plot Size: 5 feet)				
1. <i>Typha x glauca</i>	20	Yes	OBL	Hydrophytic Vegetation Indicators: <input checked="" type="checkbox"/> Rapid Test for Hydrophytic Vegetation <input type="checkbox"/> Dominance Test is >50% <input type="checkbox"/> Prevalence Index is <=3.0 ¹ <input type="checkbox"/> Morphological Adaptations ¹ (Provide supporting Data in Remarks or on a separate sheet) <input type="checkbox"/> Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must Be present, unless disturbed or problematic.
2. <i>Symphyotrichum novi-belgii</i>	25	Yes	FACW	
3. <i>Leersia oryzoides</i>	30	Yes	OBL	
4. <i>Epilobium hirsutum</i>	5	No	FACW	
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
50% = 40, 20% = 16			80 = Total Cover	
Woody Vine Stratum: (Plot Size: 15 feet)				
1. <i>Vitis riparia</i>	2	Yes	FACW	
2.				
3.				
4.				
5.				
6.				
7.				
50% = 1, 20% = 0.4			2 = Total Cover	
Remarks: (Include photo numbers here or on a separate sheet.) Photos 1 - 7				

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Mahar Property City/County: Monroe County Sampling Date: 10/07/11
 Applicant/Owner: Waste Management of New York, LLC State: New York Sampling Point: D-4 Upl
 Investigator(s): Johanna E. Duffy, Barton & Loguidice, PC Section, Township, Range: Town of Riga
 Landform (hillslope, terrace, etc.): _____ Local relief (concave, convex, none): Concave
 Slope (%): 0-2% Lat: 43° 2' 34.693" N Long: 77° 55' 36.78" W Datum: UTM NAD 83
 Soil Map Unit Name: Canandaigua Silt Loam NWI classification: _____

Are climatic/hydrologic conditions on the site typical for this time of year? Yes No _____ (If no, explain in Remarks.)
 Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes? 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 <input checked="" type="checkbox"/>	No _____	Is the Sampled Area within a Wetland?		X
Hydric Soil Present?	Yes <input checked="" type="checkbox"/>	No _____	Yes	No	_____
Wetland Hydrology Present?	Yes _____	No <input checked="" type="checkbox"/>	If yes, optional Wetland Site ID: _____		

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

HYDROLOGY

Wetland Hydrology Indicators:	<u>Secondary Indicators (minimum of two required)</u>
<u>Primary Indicators (minimum of one is required; check all that apply)</u>	_____ Surface Soil Cracks (B6)
_____ Surface Water (A1)	_____ Drainage Patterns (B10)
_____ High Water Table (A2)	_____ Moss Trim Lines (B16)
_____ Saturation (A3)	_____ Dry-Season Water Table (C2)
_____ Water Marks (B1)	_____ Crayfish Burrows (C8)
_____ Sediment Deposits (B2)	_____ Saturation Visible on Aerial Imagery (C9)
_____ Drift Deposits (B3)	_____ Stunted or Stressed Plants (D1)
_____ Algal Mat or Crust (B4)	_____ Geomorphic Position (D2)
_____ Iron Deposits (B5)	_____ Shallow Aquitard (D3)
_____ Inundation Visible on Aerial Imagery (B7)	_____ Microtopographic Relief (D4)
_____ Sparsely Vegetated Concave Surface (B8)	_____ FAC-Neutral Test (D5)
_____ Water-Stained Leaves (B9)	
_____ Aquatic Fauna (B13)	
_____ Marl Deposits (B15)	
_____ Hydrogen Sulfide Odor (C1)	
_____ Oxidized Rhizospheres on Living Roots (C3)	
_____ Presence of Reduced Iron (C4)	
_____ Recent Iron Reduction in Tilled Soils (C6)	
_____ Thin Muck Surface (C7)	
_____ Other (Explain in Remarks)	

Field Observations:
 Surface Water Present? Yes _____ No Depth (inches): 0
 Water Table Present Yes _____ No Depth (inches): >12.0
 Saturation Present Yes _____ No Depth (inches): >12.0 **Wetland Hydrology Present? Yes _____ No**
 (includes capillary fringe)

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:
 Aerial photo review completed prior to site investigation

Remarks:

VEGETATION – Use scientific names of plants.

Sampling Point: D4-Upl

Tree Stratum (Plot Size: 30 feet)	Absolute % Cover	Dominant Species?	Indicator Status				
1.				Dominance Test Worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>3</u> (A) Total Number of Dominant Species Across All Strata: <u>4</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>.75 (75%)</u> (A/B)			
2.							
3.							
4.							
5.							
6.							
7.							
			= Total Cover	Prevalence Index Worksheet: Total % Cover of: Multiply by: OBL species x 1 = _____ FACW species x 2 = _____ FAC species x 3 = _____ FACU species x 4 = _____ UPL species x 5 = _____ Column Totals: (A) (B) Prevalence Index = B/A = _____			
Sapling/Shrub Stratum (Plot Size: 15 feet)	Absolute % Cover	Dominant Species?	Indicator Status				
1. <i>Cornus amomum</i>	10	Yes	FACW				
2.							
3.							
4.							
5.							
6.							
7.							
50% = 5, 20% = 2			10	= Total Cover			
Herb Stratum (Plot Size: 5 feet)	Absolute % Cover	Dominant Species?	Indicator Status	Hydrophytic Vegetation Indicators: - Rapid Test for Hydrophytic Vegetation X Dominance Test is >50% _____ Prevalence Index is <=3.0 ¹ _____ Morphological Adaptations ¹ (Provide supporting Data in Remarks or on a separate sheet) _____ Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must Be present, unless disturbed or problematic.			
1. <i>Solidago rugosa</i>	25	Yes	FAC				
2. <i>Symphyotrichum novi-belgii</i>	20	Yes	FACW				
3. <i>Poa annua</i>	40	Yes	FACU				
4.							
5.							
6.							
7.							
8.							
9.							
10.							
11.							
12.							
13.							
14.							
50% = 42.5, 20% = 17			85	= Total Cover			
Woody Vine Stratum: (Plot Size: 15 feet)	Absolute % Cover	Dominant Species?	Indicator Status	Definitions of Vegetation Strata: Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height. Sapling/shrub – Woody plants less than 3 in. 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 vines – All woody vines greater than 3.28 ft in height.			
1.							
2.							
3.							
4.							
5.							
6.							
7.							
			= Total Cover	Hydrophytic Vegetation Present? Yes <u>X</u> No _____			
Remarks: (Include photo numbers here or on a separate sheet.)							

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Mahar Property City/County: Monroe County Sampling Date: 10/07/11
 Applicant/Owner: Waste Management of New York, LLC State: New York Sampling Point: D-5 Wet
 Investigator(s): Johanna E. Duffy, Barton & Loguidice, PC Section, Township, Range: Town of Riga
 Landform (hillslope, terrace, etc.): _____ Local relief (concave, convex, none): Concave
 Slope (%): 0-2% Lat: 43° 2' 38.354" N Long: 77° 55' 43.102" W Datum: UTM NAD 83
 Soil Map Unit Name: Brockport Silty Clay Loam, 0-2% slopes NWI classification: PSS1

Are climatic/hydrologic conditions on the site typical for this time of year? Yes No _____ (If no, explain in Remarks.)
 Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes? 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 <input checked="" type="checkbox"/> No _____	Is the Sampled Area within a Wetland?	Yes <input checked="" type="checkbox"/> No _____
Hydric Soil Present?	Yes <input checked="" type="checkbox"/> No _____		
Wetland Hydrology Present?	Yes <input checked="" type="checkbox"/> No _____		If yes, optional Wetland Site ID: <u>Wetland D</u>

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

HYDROLOGY

Wetland Hydrology Indicators:		<u>Secondary Indicators (minimum of two required)</u>
<u>Primary Indicators (minimum of one is required; check all that apply)</u>		_____ 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)
<input checked="" type="checkbox"/> Saturation (A3)	_____ Marl Deposits (B15)	_____ Dry-Season Water Table (C2)
_____ Water Marks (B1)	_____ Hydrogen Sulfide Odor (C1)	_____ Crayfish Burrows (C8)
_____ Sediment Deposits (B2)	_____ Oxidized Rhizospheres on Living Roots (C3)	_____ Saturation Visible on Aerial Imagery (C9)
_____ Drift Deposits (B3)	_____ Presence of Reduced Iron (C4)	_____ Stunted or Stressed Plants (D1)
_____ Algal Mat or Crust (B4)	_____ Recent Iron Reduction in Tilled Soils (C6)	_____ Geomorphic Position (D2)
_____ Iron Deposits (B5)	_____ Thin Muck Surface (C7)	_____ Shallow Aquitard (D3)
_____ Inundation Visible on Aerial Imagery (B7)	_____ Other (Explain in Remarks)	_____ Microtopographic Relief (D4)
_____ Sparsely Vegetated Concave Surface (B8)		_____ FAC-Neutral Test (D5)

Field Observations:
 Surface Water Present? Yes _____ No Depth (inches): 0
 Water Table Present Yes _____ No Depth (inches): >12.0
 Saturation Present Yes No _____ Depth (inches): 3.0 **Wetland Hydrology Present?** Yes No _____
 (includes capillary fringe)

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:
 Aerial photo review completed prior to site investigation

Remarks:

VEGETATION – Use scientific names of plants.

Sampling Point: D5-Wet

Tree Stratum (Plot Size: 30 feet)	Absolute % Cover	Dominant Species?	Indicator Status				
1. <i>Acer rubrum</i>	5	Yes	FAC	Dominance Test Worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>4</u> (A) Total Number of Dominant Species Across All Strata: <u>5</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>0.80 (80%)</u> (A/B)			
2.							
3.							
4.							
5.							
6.							
7.							
50% = 2.5, 20% = 1	5	= Total Cover				Prevalence Index Worksheet: Total % Cover of: Multiply by: OBL species x 1 = _____ FACW species x 2 = _____ FAC species x 3 = _____ FACU species x 4 = _____ UPL species x 5 = _____ Column Totals: (A) (B) Prevalence Index = B/A = _____	
Sapling/Shrub Stratum (Plot Size: 15 feet)							
1. <i>Cornus racemosa</i>	45	Yes	FAC				
2. <i>Fraxinus pennsylvanica</i>	25	Yes	FACW				
3.							
4.							
5.							
6.							
50% = 35, 20% = 14	70	= Total Cover					
Herb Stratum (Plot Size: 5 feet)							
1. <i>Doellingeria umbellata</i>	8	No	FACW	Hydrophytic Vegetation Indicators: - Rapid Test for Hydrophytic Vegetation X Dominance Test is >50% _____ Prevalence Index is <=3.0 ¹ _____ Morphological Adaptations ¹ (Provide supporting Data in Remarks or on a separate sheet) _____ Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must Be present, unless disturbed or problematic.			
2. <i>Solidago canadensis</i>	15	Yes	FACU				
3. <i>Erigeron annuus</i>	5	No	FACU				
4.							
5.							
6.							
7.							
8.							
9.							
10.							
11.							
12.							
13.							
14.							
50% = 14, 20% = 5.6	28	= Total Cover					
Woody Vine Stratum: (Plot Size: 15 feet)							
1. <i>Vitis riparia</i>	2	Yes	FACW	Definitions of Vegetation Strata: Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height. Sapling/shrub – Woody plants less than 3 in. 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 vines – All woody vines greater than 3.28 ft in height.			
2.							
3.							
4.							
5.							
6.							
7.							
50% = 1, 20% = 0.4	2	= Total Cover		Hydrophytic Vegetation Present? Yes <u>X</u> No _____			
Remarks: (Include photo numbers here or on a separate sheet.) Photos 1 - 7							

VEGETATION – Use scientific names of plants.

Sampling Point: D5-Upl

<i>Tree Stratum</i> (Plot Size: 30 feet)	Absolute % Cover	Dominant Species?	Indicator Status		
1.				Dominance Test Worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>2</u> (A) Total Number of Dominant Species Across All Strata: <u>3</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>0.66 (67%)</u> (A/B)	
2.					
3.					
4.					
5.					
6.					
7.					
			= Total Cover		
<i>Sapling/Shrub Stratum</i> (Plot Size: 15 feet)				Prevalence Index Worksheet: Total % Cover of: Multiply by: OBL species x 1 = _____ FACW species x 2 = _____ FAC species x 3 = _____ FACU species x 4 = _____ UPL species x 5 = _____ Column Totals: (A) (B) Prevalence Index = B/A = _____	
1. <i>Cornus racemosa</i>	85	Yes	FAC		
2.					
3.					
4.					
5.					
6.					
50% = 42.5, 20% = 17			85	= Total Cover	
<i>Herb Stratum</i> (Plot Size: 5 feet)				Hydrophytic Vegetation Indicators: - Rapid Test for Hydrophytic Vegetation X Dominance Test is >50% Prevalence Index is <=3.0 ¹ Morphological Adaptations ¹ (Provide supporting Data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must Be present, unless disturbed or problematic. Definitions of Vegetation Strata: Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height. Sapling/shrub – Woody plants 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 vines – All woody vines greater than 3.28 ft in height. Hydrophytic Vegetation Present? Yes <u>X</u> No _____	
1. <i>Viola sororia</i>	5	Yes	FAC		
2. <i>Solidago canadensis</i>	10	Yes	FACU		
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
50% = 7.5, 20% = 3			15	= Total Cover	
<i>Woody Vine Stratum:</i> (Plot Size: 15 feet)					
1.					
2.					
3.					
4.					
5.					
6.					
7.					
			= Total Cover		
Remarks: (Include photo numbers here or on a separate sheet.)					

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Mahar Property City/County: Monroe County Sampling Date: 10/07/11
 Applicant/Owner: Waste Management of New York, LLC State: New York Sampling Point: D-6 Wet
 Investigator(s): Johanna E. Duffy, Barton & Loguidice, PC Section, Township, Range: Town of Riga
 Landform (hillslope, terrace, etc.): _____ Local relief (concave, convex, none): Concave
 Slope (%): 0-2% Lat: 43° 2' 40.786" N Long: 77° 55' 34.813" W Datum: UTM NAD 83
 Soil Map Unit Name: Churchville Silt Loam, 0-2% slopes NWI classification: PSS1

Are climatic/hydrologic conditions on the site typical for this time of year? Yes No _____ (If no, explain in Remarks.)
 Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes? 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 <input checked="" type="checkbox"/> No _____	Is the Sampled Area within a Wetland?	Yes <input checked="" type="checkbox"/> No _____
Hydric Soil Present?	Yes <input checked="" type="checkbox"/> No _____		
Wetland Hydrology Present?	Yes <input checked="" type="checkbox"/> No _____		

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

HYDROLOGY

Wetland Hydrology Indicators:		<u>Secondary Indicators (minimum of two required)</u>
<u>Primary Indicators (minimum of one is required; check all that apply)</u>		_____ Surface Soil Cracks (B6)
_____ Surface Water (A1)	<input checked="" type="checkbox"/> Water-Stained Leaves (B9)	_____ Drainage Patterns (B10)
_____ High Water Table (A2)	_____ Aquatic Fauna (B13)	_____ Moss Trim Lines (B16)
<input checked="" type="checkbox"/> Saturation (A3)	_____ Marl Deposits (B15)	_____ Dry-Season Water Table (C2)
_____ Water Marks (B1)	_____ Hydrogen Sulfide Odor (C1)	_____ Crayfish Burrows (C8)
_____ Sediment Deposits (B2)	_____ Oxidized Rhizospheres on Living Roots (C3)	_____ Saturation Visible on Aerial Imagery (C9)
_____ Drift Deposits (B3)	_____ Presence of Reduced Iron (C4)	_____ Stunted or Stressed Plants (D1)
_____ Algal Mat or Crust (B4)	_____ Recent Iron Reduction in Tilled Soils (C6)	_____ Geomorphic Position (D2)
_____ Iron Deposits (B5)	_____ Thin Muck Surface (C7)	_____ Shallow Aquitard (D3)
_____ Inundation Visible on Aerial Imagery (B7)	_____ Other (Explain in Remarks)	_____ Microtopographic Relief (D4)
_____ Sparsely Vegetated Concave Surface (B8)		_____ FAC-Neutral Test (D5)

Field Observations:
 Surface Water Present? Yes _____ No Depth (inches): 0
 Water Table Present Yes _____ No Depth (inches): >12.0
 Saturation Present Yes No _____ Depth (inches): 0 - surface **Wetland Hydrology Present?** Yes No _____
 (includes capillary fringe)

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:
 Aerial photo review completed prior to site investigation

Remarks:

VEGETATION – Use scientific names of plants.

Sampling Point: D6-Wet

Tree Stratum (Plot Size: 30 feet)	Absolute % Cover	Dominant Species?	Indicator Status		
1. <i>Fraxinus pennsylvanica</i>	10	Yes	FACW	Dominance Test Worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>6</u> (A) Total Number of Dominant Species Across All Strata: <u>6</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100%</u> (A/B)	
2.					
3.					
4.					
5.					
6.					
7.					
50% = 5, 20% = 2	10	= Total Cover			
Sapling/Shrub Stratum (Plot Size: 15 feet)					
1. <i>Fraxinus pennsylvanica</i>	5	Yes	FACW		
2. <i>Cornus amomum</i>	20	Yes	FACW		
3.					
4.					
5.					
6.					
50% = 12.5, 20% = 5	25	= Total Cover			
Herb Stratum (Plot Size: 5 feet)				Hydrophytic Vegetation Indicators: - Rapid Test for Hydrophytic Vegetation X Dominance Test is >50% Prevalence Index is <=3.0 ¹ Morphological Adaptations ¹ (Provide supporting Data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must Be present, unless disturbed or problematic.	
1. <i>Doellingeria umbellata</i>	15	Yes	FACW		
2. <i>Euthamia graminifolia</i>	20	Yes	FAC		
3. <i>Carex crinita</i>	5	No	OBL		
4. <i>Mentha x piperita</i>	5	No	FACW		
5. <i>Eutrochium maculatum</i>	2	No	FACW		
6. <i>Lycopus americanus</i>	2	No	OBL		
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
50% = 24.5, 20% = 9.8	49	= Total Cover		Definitions of Vegetation Strata: Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height. Sapling/shrub – Woody plants less than 3 in. 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 vines – All woody vines greater than 3.28 ft in height.	
Woody Vine Stratum: (Plot Size: 15 feet)					
1. <i>Vitis riparia</i>	2	Yes	FACW		
2.					
3.					
4.					
5.					
6.					
50% = 1, 20% = 0.4	2	= Total Cover		Hydrophytic Vegetation Present? Yes <u>X</u> No _____	
Remarks: (Include photo numbers here or on a separate sheet.)					
Photos 1 - 7					

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Mahar Property City/County: Monroe County Sampling Date: 10/07/11
 Applicant/Owner: Waste Management of New York, LLC State: New York Sampling Point: D-6 Upl
 Investigator(s): Johanna E. Duffy, Barton & Loguidice, PC Section, Township, Range: Town of Riga
 Landform (hillslope, terrace, etc.): _____ Local relief (concave, convex, none): Concave
 Slope (%): 0-2% Lat: 43° 2' 40.934" N Long: 77° 55' 34.772" W Datum: UTM NAD 83
 Soil Map Unit Name: Churchville Silt Loam, 0-2% slopes NWI classification: _____

Are climatic/hydrologic conditions on the site typical for this time of year? Yes No _____ (If no, explain in Remarks.)
 Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes? 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 <input checked="" type="checkbox"/> No _____	Is the Sampled Area within a Wetland?	Yes _____ No _____	X
Hydric Soil Present?	Yes <input checked="" type="checkbox"/> No _____			
Wetland Hydrology Present?	Yes _____ No <input checked="" type="checkbox"/>	If yes, optional Wetland Site ID: _____		

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

HYDROLOGY

Wetland Hydrology Indicators:		<u>Secondary Indicators (minimum of two required)</u>
<u>Primary Indicators (minimum of one is required; check all that apply)</u>		_____ Surface Soil Cracks (B6)
_____ Surface Water (A1)	_____ Water-Stained Leaves (B9)	_____ Drainage Patterns (B10)
_____ High Water Table (A2)	_____ Aquatic Fauna (B13)	_____ Moss Trim Lines (B16)
_____ Saturation (A3)	_____ Marl Deposits (B15)	_____ Dry-Season Water Table (C2)
_____ Water Marks (B1)	_____ Hydrogen Sulfide Odor (C1)	_____ Crayfish Burrows (C8)
_____ Sediment Deposits (B2)	_____ Oxidized Rhizospheres on Living Roots (C3)	_____ Saturation Visible on Aerial Imagery (C9)
_____ Drift Deposits (B3)	_____ Presence of Reduced Iron (C4)	_____ Stunted or Stressed Plants (D1)
_____ Algal Mat or Crust (B4)	_____ Recent Iron Reduction in Tilled Soils (C6)	_____ Geomorphic Position (D2)
_____ Iron Deposits (B5)	_____ Thin Muck Surface (C7)	_____ Shallow Aquitard (D3)
_____ Inundation Visible on Aerial Imagery (B7)	_____ Other (Explain in Remarks)	_____ Microtopographic Relief (D4)
_____ Sparsely Vegetated Concave Surface (B8)		_____ FAC-Neutral Test (D5)

Field Observations:
 Surface Water Present? Yes _____ No Depth (inches): 0
 Water Table Present Yes _____ No Depth (inches): >12.0
 Saturation Present Yes _____ No Depth (inches): >12.0 **Wetland Hydrology Present?** Yes _____ No
 (includes capillary fringe)

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:
 Aerial photo review completed prior to site investigation

Remarks:

VEGETATION – Use scientific names of plants.

Sampling Point: D6-Upl

<i>Tree Stratum</i> (Plot Size: 30 feet)	Absolute % Cover	Dominant Species?	Indicator Status		
1. <i>Fraxinus pennsylvanica</i>	5	Yes	FACW	Dominance Test Worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>4</u> (A) Total Number of Dominant Species Across All Strata: <u>5</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>0.8 (80%)</u> (A/B)	
2.					
3.					
4.					
5.					
6.					
7.					
50% = 2.5, 20% = 1	5	= Total Cover			
<i>Sapling/Shrub Stratum</i> (Plot Size: 15 feet)					
1. <i>Fraxinus pennsylvanica</i>	10	No	FACW		
2. <i>Cornus racemosa</i>	45	Yes	FAC		
3.					
4.					
5.					
6.					
50% = 27.5, 20% = 11	55	= Total Cover			
<i>Herb Stratum</i> (Plot Size: 5 feet)				Hydrophytic Vegetation Indicators: - Rapid Test for Hydrophytic Vegetation X Dominance Test is >50% Prevalence Index is <=3.0 ¹ Morphological Adaptations ¹ (Provide supporting Data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must Be present, unless disturbed or problematic.	
1. <i>Doellingeria umbellata</i>	15	Yes	FACW		
2. <i>Solidago canadensis</i>	5	Yes	FACU		
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
50% = 10, 20% = 4	20	= Total Cover		Definitions of Vegetation Strata: Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height. Sapling/shrub – Woody plants less than 3 in. 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 vines – All woody vines greater than 3.28 ft in height.	
<i>Woody Vine Stratum:</i> (Plot Size: 15 feet)					
1. <i>Vitis riparia</i>	3	Yes	FACW		
2.					
3.					
4.					
5.					
6.					
50% = 1.5, 20% = 0.6	3	= Total Cover		Hydrophytic Vegetation Present? Yes <u>X</u> No _____	
Remarks: (Include photo numbers here or on a separate sheet.)					

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Mahar Property City/County: Monroe County Sampling Date: 10/04/11
 Applicant/Owner: Waste Management of New York, LLC State: New York Sampling Point: E-1 Wet
 Investigator(s): Johanna E. Duffy, Barton & Loguidice, PC Section, Township, Range: Town of Riga
 Landform (hillslope, terrace, etc.): _____ Local relief (concave, convex, none): Concave
 Slope (%): 0-2% Lat: 43° 2' 34.325" N Long: 77° 56' 6.675" W Datum: UTM NAD 83
 Soil Map Unit Name: Sun loam, moderately shallow variant NWI classification: PFO1

Are climatic/hydrologic conditions on the site typical for this time of year? Yes No _____ (If no, explain in Remarks.)
 Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes? 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 <input checked="" type="checkbox"/> No _____	Is the Sampled Area within a Wetland?	Yes <input checked="" type="checkbox"/> No _____
Hydric Soil Present?	Yes <input checked="" type="checkbox"/> No _____		
Wetland Hydrology Present?	Yes <input checked="" type="checkbox"/> No _____		

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

HYDROLOGY

Wetland Hydrology Indicators:	<u>Secondary Indicators (minimum of two required)</u>
<u>Primary Indicators (minimum of one is required; check all that apply)</u>	_____ Surface Soil Cracks (B6)
_____ Surface Water (A1)	_____ Drainage Patterns (B10)
_____ High Water Table (A2)	_____ Moss Trim Lines (B16)
_____ Saturation (A3)	_____ Dry-Season Water Table (C2)
<input checked="" type="checkbox"/> Water Marks (B1)	_____ Crayfish Burrows (C8)
_____ Sediment Deposits (B2)	_____ Saturation Visible on Aerial Imagery (C9)
_____ Drift Deposits (B3)	_____ Stunted or Stressed Plants (D1)
_____ Algal Mat or Crust (B4)	_____ <input checked="" type="checkbox"/> Geomorphic Position (D2)
_____ Iron Deposits (B5)	_____ Shallow Aquitard (D3)
_____ Inundation Visible on Aerial Imagery (B7)	_____ Microtopographic Relief (D4)
_____ Sparsely Vegetated Concave Surface (B8)	_____ FAC-Neutral Test (D5)

Field Observations:
 Surface Water Present? Yes _____ No Depth (inches): 0
 Water Table Present Yes _____ No Depth (inches): >12.0
 Saturation Present Yes _____ No Depth (inches): >12.0 **Wetland Hydrology Present?** Yes No _____
 (includes capillary fringe)

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:
 Aerial photo review completed prior to site investigation

Remarks:
 Inundation observed at wetland but not within limits of data plot

VEGETATION – Use scientific names of plants.

Sampling Point: E1-Wet

Tree Stratum (Plot Size: 30 feet)	Absolute % Cover	Dominant Species?	Indicator Status		
1. <i>Acer saccharinum</i>	35		FACW	Dominance Test Worksheet: Number of Dominant Species _____ That Are OBL, FACW, or FAC: _____ (A) Total Number of Dominant Species Across All Strata: _____ (B) Percent of Dominant Species That Are OBL, FACW, or FAC: _____ (A/B)	
2. <i>Fraxinus pennsylvanica</i>	10		FACW		
3.					
4.					
5.					
6.					
7.					
	45	= Total Cover		Prevalence Index Worksheet: Total % Cover of: Multiply by: OBL species x 1 = _____ FACW species x 2 = _____ FAC species x 3 = _____ FACU species x 4 = _____ UPL species x 5 = _____ Column Totals: (A) (B) Prevalence Index = B/A = _____	
Sapling/Shrub Stratum (Plot Size: feet)					
1.					
2.					
3.					
4.					
5.					
6.					
7.					
		= Total Cover			
Herb Stratum (Plot Size: 5 feet)				Hydrophytic Vegetation Indicators: <input checked="" type="checkbox"/> Rapid Test for Hydrophytic Vegetation _____ Dominance Test is >50% _____ Prevalence Index is <=3.0 ¹ _____ Morphological Adaptations ¹ (Provide supporting Data in Remarks or on a separate sheet) _____ Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must Be present, unless disturbed or problematic.	
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
		= Total Cover			
Woody Vine Stratum: (Plot Size: 15 feet)				Definitions of Vegetation Strata: Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height. Sapling/shrub – Woody plants less than 3 in. 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 vines – All woody vines greater than 3.28 ft in height.	
1.					
2.					
3.					
4.					
5.					
6.					
7.					
		= Total Cover		Hydrophytic Vegetation Present? Yes <input checked="" type="checkbox"/> No _____	
1.					
2.					
3.					
4.					
5.					
6.					
7.					
		= Total Cover			

Remarks: (Include photo numbers here or on a separate sheet.)

Photo 12

