

Town of Porter - Niagra County, New York

Figure 8 - Revised Delineated Wetlands Sheet 8 of 9

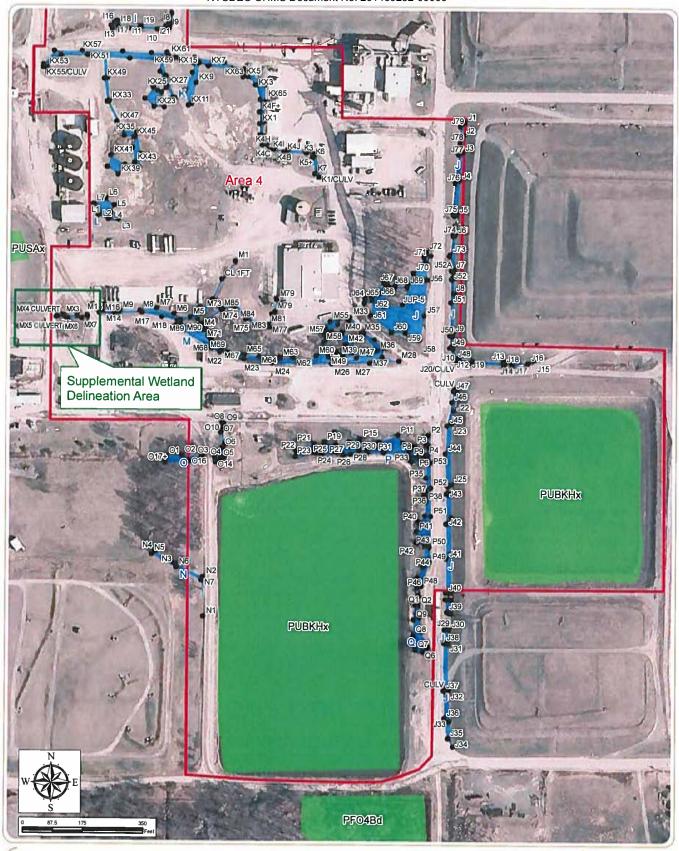
July 2012

Flag LocationsProject Site

NWI Wetland

Delineated Wetland





CWM Landfill Expansion

Town of Porter - Nagra County, New York

Figure 8 - Revised Delineated Wetlands Sheet 9 of 9

July 2012 Notes: 2 foot resolution natural color orthophotography, 2008

Flag Locations







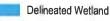






PHOTO 01:

Forested Wetland at Flag Drum 5



PHOTO 02:

Alternate View 1 of Forested Wetland at Flag Drum 5

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PHOTO 03:

Alternate View 2 of Forested Wetland at Flag Drum 5



PHOTO 04:

Forested Wetland at Sample Point 1

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PHOTO 05:

Alternate View of Forested Wetland at Sample Point 1



PHOTO 06:

Wetland Soil Sample Test Pit at Sample Point 1

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PHOTO 07:

Upland Forest at Upland Sample Point 1



PHOTO 08:

Upland Soil Sample Test Pit at Sample Point 1

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PHOTO 09:

Forested Wetland at Sample Point 2



PHOTO 10:

Alternate View of Forested Wetland at Sample Point 2

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Wetland Soil Sample Test Pit at Sample Point 2.

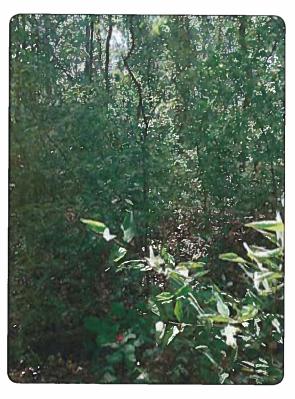


PHOTO 12:

Upland Forest at Sample Point 2

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PHOTO 13:

Alternate View of Upland Forest at Sample Point 2



PHOTO 14:

Upland Soil Sample Test Pit at Sample Point 2

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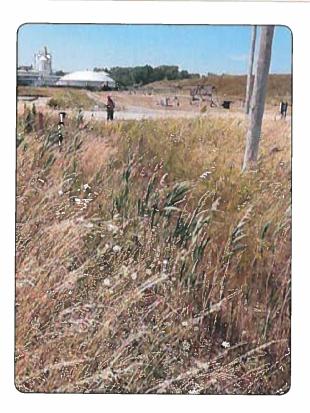


PHOTO 15:

Wetland M Extension Looking West

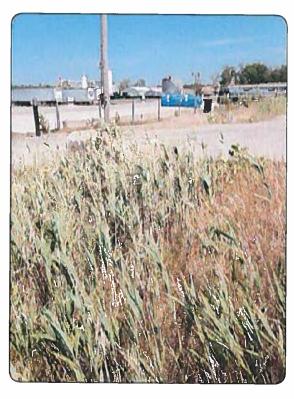


PHOTO 16:

Wetland M Extension Looking East

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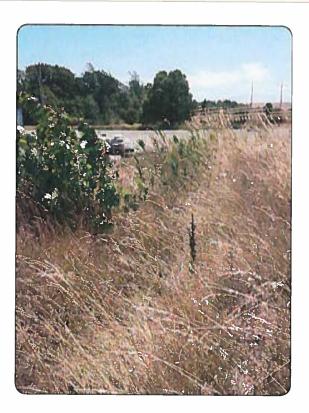


PHOTO 17:

Wetland M Extension Looking South

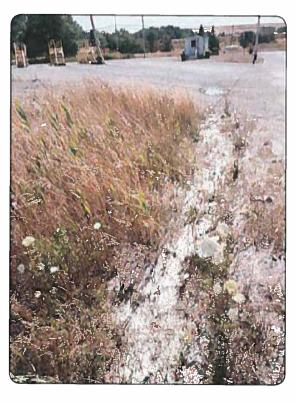


PHOTO 18:

Wetland M Extension Looking South

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Town of Porter, Niagara County, New York

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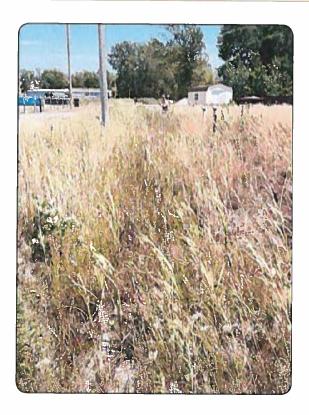


PHOTO 19:

Wetland M Extension at Terminus Looking East

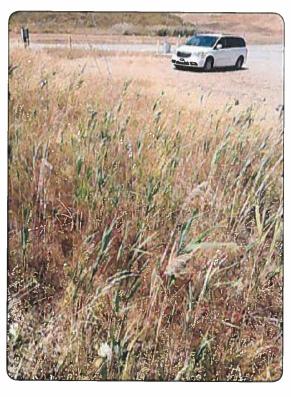


PHOTO 20:

Wetland M Extension Looking Northwest

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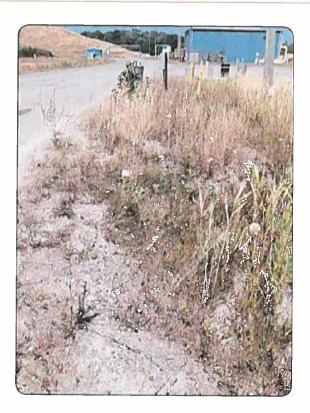


PHOTO 21:

Wetland M Extension at Terminus Looking North

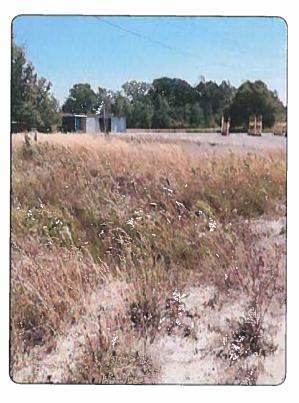


PHOTO 22:

Wetland M Extension at Terminus Looking South

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edr Companies NYSDEC OHMS Document No. 201469232-00006	
217 Montgomery Street, Suite 1000 DATA FORM 274 No. Syracuse, New York 13202 POUTINE NOT AND DATA	orth Goodman Street
Project Number: 0907-7	ster, New York 14607
Sampling Date:	23/12
Applicant: CWM Chemical Services (U State: New York Community: PFO	wetland
Data Point ID (i.e. 2W@Wet. G): W@ Drum WeHad Nearest Flag to Data Point: Drum ZZ	Control of the contro
Investigator(s): Pippin / Martin	
Cepressional Riparian	(es No
Landscape Position: Flat Undulating Stoping Convex Concave Is the site significantly disturbed? Yes	NO
Are climatic/hydrologic conditions on the site typical for this time of year? Yes No	, ,
Do Normal Circumstances exist on site? Yes No	
Hydrology	
Mater Table (A2) Saturation (A3) Water-Stained Leaves (B9) Aquatic Fauna (B13) Moss Trin Moss Trin	ndicators (mln 2 required) Soil Cracks (B6) Pattems (B10) n Lines (B16)
	on Water Table (C2) Burrows (C8)
Iron Deposits (B5) Presence of Reduced Iron (C4) Sturtled o	r Visible on Aerial Imagery (C9) r Stressed Plants (D-1)
Sparsely Vegetated Concave Surface (RR) Sparsely Vegetated Concave Surface (RR) Shallow A	hic Position (D2) quitard (D3) graphic Relief (D4) (Al Test (D5)
Field Observations	22 (05)
Inundation Present? Yes No Depth of Water (inches): O	4 404 American (1904 - 1900) (1904 - 1904 - 1905 - 1906 -
Depth to Sat. Soil (inches): 71011 Depth to Water (inches): 711011	
	THE PERSON NAMED AND POST OF PARTY OF P
Stream Association (Take a Stream Inventory Data Form for each stream identified in Study Area)	
Record observations (e.g. location, stream type, adjacent community type, state protected etc.) of any streams within or adjacent to	the Study Area
N/A	
Remarks	19 - 19 - 19 - 19 - 19 - 19 - 19 - 19 -
	ω.

Project Number: 09022			Sa	Impling Date: 7/23/2012
Applicant: <u>Cum Chemical Service</u>	s, llc		Đ	ata Point ID: We Drum wetland
Vegetation	Absolute	Dominant	Indicator	IDt
Tree Stratum (Piot size: 30-foot radius)	% Cover		Indicator Status	Dominance Test worksheet: Number of Dominant Species
1. Quereus Palustris	75	yes	Facw	That Are OBL, FACW, or FAC: (A)
2 Uhrus americana	10	_ \\\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \	Facw	Total Number of Dominant Species Across All Strata: (B)
3 fraxious pensylvanica	10	NO	Facul	Percent of Dominant Species
4 topulus deltoides	30	yes	Fac	That Are OBL, FACW, or FAC: (O) (A/B)
5				Prevalence Index worksheet: Total % Cover of: Multiply by:
		= Total Cover		OBL species x 1 = FACW species x 2 =
		COLUMN HATTING CACA	OF CHEROPECALLERY	FAC species x3 =
Sapling/Shrub Stratum (Plot size: 15-foot radius)		TRANSPORT	1022/686	FACU species
Salix cp.	_ 10	426	Facw	Column Totals (A)
2 Cornus tacemosa	70	425	Fac	Prevalence Index = B/A =
3.				
4.		-		
5				
		= Total Cover		Rhydron at 11
Herb Stratum (Plot size: 5-foot radius)	en a	- rotal cover		Hydrophytic Vegetation Indicators: Rapid Test for Hydrophytic Vegetation
	4.5		T	Dominance Test >50% Prevalence Index Is <3.0'
1. Parthenocissus quinquefolia			tacu	Morphological Adaptations¹ (provide supporting data in remarks) Problematic Hydrophytic Vegetation¹ (explain in remarks)
2 Wetland grass	75	425	FALW	Indicators of hydric soil and welland hydrology must be present, unless disturbed or problematic.
3.		-		Definitions of Vegetation Strata:
4.				Tree - Woody plants 3 in. (7.6 cm) or more in diameter at
5				breast height (DBH), regardless of height. Sapling/shrub - Woody plants less than 3 In. DBH and greater
3.				than 3.28 ft (1 m) tall. Herb - All herbaceous (non-woody) plants, regardless of size,
7				and woody plants less than 3.28 ft tall. Woody vines - All woody vines greater than 3.28 ft in height.
3.				Remarks
10,				
	***************************************	= Total Cover		
	e e			•
Woody Vine Stratum (Plot size: 30-foot radius)				
Toxicodendron radicans	20	1115	fac	
		•		
		= Total Course		
		= Total Cover		

NYS	DEC OHMS Docum	nent No. 201469232-000	006	
Project Number: 0907 Z		;	Sampling Date:	7/23/2012
Project Number: 09022 Applicant: CWM (hemical Sec	vices, LLC		Data Point ID :	7/23/2012 Luce Drum wetland
Soil Map Unit:				
,				
Solls Profile Description	riplion: (Describe to the de	epth needed to document the in	ndicator or confirm	the absence of Indicators).
Depth Matrix		Redux Features		
(inches) Color (moist) %	Color (molst)	Frequency ¹ Type ²	Loc³	Texture, Structure, Other
0-10th 104R4/2	NA			Silt
i i				
	<u> </u>			
			2	
# E				
Frequency: F=Few, MA=Moderately Abundant, C=Commo			W.	
² Type: C=Concentration, D=Depletion, RM=Reduced Matri:	x, CS=Covered or Coated	I Sand Grains		
³ Location: PL=Pore Lining, M=Matrix				STATES OF THE ST
The state of the s	MONTH SERVICE CHEST, ENGINEERS CA	PAGE TO THE PROPERTY OF THE PAGE TO THE PA	SECTION OF THE PROPERTY OF THE PERSON OF THE	Hanamannan kepadan dan berasara
Hydric Soil Indicators	1	Problematic Hydric Soll In	dicators'	Restrictive Layer (if observed)
	e Below Surface (S8)	数 2 cm Muck (A10)		Туре:
Histic Epipedon (A2) Thin Dar	rk Surface (S9)	E Coast Prairie Redox (A1	16)	
	Mucky Mineral (F1) Bleyed Matrix (F2)	5 cm Mucky Peat or Peat 5 cm Mucky Peat or Peat Dark Surface (S7)	al (S3) e (S8) s (F12) bils F19) ace (TF12)	Depth (inches):
Stratified Layers (A5) Depleted	d Matrix (F3)	Polyvalue Below Surface	e (S8)	
	Park Surface (F6) d Dark Surface (F7)	Thin Dark Surface (S9)	- (542)	
Sandy Mucky Mineral (S1) Redox D	epressions (FB)	Piedmont Floodplain So	oils F19)	
Sandy Gleyed Matrix (S4) Sandy Redox (S5)	*	Mesic Spodic (TA6)		
Sandy Redox (S5) Stripped Matrix (S6)	,	器 Red Parent Material (TF 器 Very Shallow Dark Surfa	(2) kg	1
Dark Surface (S7)	,	Other (Explain in remark	ks)	
³ indicators of hydrophytic vegetation and wetland hydrology	must be present unless	districted or rephlemetic		
indicators of hydrophylic vegetation and weithin hydrology	must be present, unless	disturced or problemade.		
Remarks			Andrews	Сопромення по в применення в при
	رما			
Ground is dry all difficult to obta	hard packed	P. A good 5	ioil San	uple was
difficult to obta	νά. Ι	- /		(
	170			
				DYSON DANSESS OF THE PARTY OF T
Wetland Determination				
Hydrophytic Vegetation Present? (res) No		to Off-site Wetlands? (Yes)		
Hydric Soil Present? Yes No.	Does Any Part of this Do	elineated Wetland/Stream Exte	end Past the Flagg	ged Boundary? (Yes) No N/A
Wetland Hydrology Present? (7es) No Is this Sampling Point Within a Wetland? (Yes) No	Is this Wetland Potentia	ally Isolated? Yes (No) N/A	4	
,		041-1		
Is the wetland mapped in the NWI? Yes No is the wetland? Yes No	If yes, indicate classifications in the second of the second seco	ation <u>110 /4 /03</u> ID		

NYSDEC O	HMS Document No. 201469232-00006	
edr Companies		
217 Montgomery Street, Suite 1000	DATA FORM	274 North Goodman Street
Syracuse, New York 13202	ROUTINE WETLAND DETERMINATION	Rochester, New York 14607
	Northcentral and Northeast Regional Supplement	110010010111011110111111111111111111111
Project Number: 54672	- 0:	1//-
U O V		1/23/2012
Applicant: Chun Chemical Service	County: NIGGASA Sill State: New York Community:	1/23/2012 Upland Foiest
Data Point ID (i.e. 2W@Wel. G): \ueblack Drum W	eHal Nearest Flag to Data Point: Dun	77
Investigator(s): Rippin / Martin	2001年1月1日 - 1000年1月1日 - 1000年1日	
Landform: Hillside/Seep Toe of Slope Depression	is the area a potential problem	n area? Yes No
Landanana Bu Million Black American	is the site significantly disturbe	ed? Yes No
Landscape Position: Flat Undulating Bioping Cor	vex Concave	-1/
Are climatic/hydrologic conditions on the site typical for thi	Approximate Slope (%): s time of year? 6 No	5/6
Do Normal Circumstances exist on sile? (Yes) No		
Hudunianu		
Hydrology	逐想塞急發展的時間所以至於	
Primary indicators (min 1 required; check all that ap	=1\	and all titles is amount as any pleasable last;
Surface Water (A1)	λίγ) S	econdary Indicators (min 2 required)
High Water Table (A2)	Mates Stringed Leaves (DD)	_ Surface Soil Cracks (B6)
Saturation (A3)	Water-Stained Leaves (B9) Aquatic Fauna (B13)	Drainage Patterns (B10)
Water Marks (B1)	Aquatic Fauna (B13) Mari Deposits (B15)	Moss Trim Lines (B16)
Sediment Deposits (B2)	11 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Dry-Season Water Table (C2)
Drift Deposits (B3)	Oxidized Rhizospheres on Living Roots (C3)	Craylish Burrows (C8)
Algai Mat or Crust (B4)	Presence of Reduced Iron (C4)	Saturation Visible on Aerial Imagery (C9)
Iron Deposits (B5)	Recent Iron Reduction in Tilled Soils (C6)	Stunted or Stressed Plants (D-1) Geomorphic Position (D2)
Inundation Visible on Aerial Imagery (B7)	Thin Muck Surface (C7)	Shallow Aquitard (D3)
Sparsely Vegetated Concave Surface (B8)	Other (Explain In Remarks)	Microtopographic Relief (D4)
		FAC-Neutral Test (D5)
		CHEZOTHUCTUS POR PROPERTIES PROPE
Field Observations	A STATE OF THE PARTY OF THE PAR	AND THE PROPERTY OF THE PROPER
inundation Present? Yes No	Depth of Water (inches):	
Saturated Conditions? Yes No	Depth to Sat. Soil (inches):	·
	Depth to Water (inches):	
	thorac (money).	
Stream Association (Take a Stream Inventory Data For	m for each stream Identified in Study Area)	的复数超级的 医红斑 医甲基酚磺酸医甲酚
Record observations (e.g. location, stream type, adjacent	community type, state protected etc.) of any streams within or	adiacent to the Study Area:
- N/A		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
· 注:10.00000000000000000000000000000000000	AND AND THE SECOND SECO	THE STATE OF THE S
A STATE OF THE PARTY OF THE PAR	pro- a programme with a series of the series	第1975年中的中国的 在198 年的国际企业的第三人称单数
Remarks No hydrology obs		
NO againiagy 0631	ived.	
' 11		

Project Number: 0902Z			Sa	Impling Date: 7/23/2012
Applicant: CWM Chemical Services,	LLC		D	ata Point ID: Lue Drum Wetland
Vegetation	Al			
Tree Stratum (Plot size: 30-foot radius)	Absolute % Cover	Dominant Specles?	Indicator Status	Dominance Test worksheet: Number of Dominant Species
1. Populus deltaides	60	485	Ful	That Are OBL, FACW, or FAC: (A)
2. Querus palastris	10	NO_	Facw	Total Number of Dominant Species Across All Strata: (B)
3.			2	Percent of Dominant Species
4				That Are OBL, FACW, or FAC: 27 (A/B)
5				Prevalence Index worksheet: Total % Cover of: Multiply by:
		= Total Cover		OBL species
	Manheira		New Walter	FAC species x3=
Sapling/Shrub Stratum (Plot size: 15-foot radius)	etruzasin i de di de di de	HELLER STATEMENT OF THE SECOND		FACU species
1. Cornus relemosa	75	485	Fac	Column Totals: (A) (B)
2.				Prevalence Index = B/A =
3.				
5		-		
	2 (1941)	= Total Cover		Hydrophytic Vegetation Indicators: Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5-foot radius)	the stand of the Colored top	COLUMN TO THE CO	core artificity, brooked taken	Dominance Test >50% Prevalence Index is ≤3.01
1. <u>NA</u>				Morphological Adaptations (provide supporting data in remarks)
2.				Problematic Hydrophytic Vegetation ¹ (explain in remarks) Indicators of hydric soil and wetland hydrology must be present,
3.				unless disturbed or problematic.
4.		-	S-	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.
6.				Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
7.				Woody vines - All woody vines greater than 3.28 ft in height.
B.,			Ę-	Remarks
9. :				
10.				
A. T. C.		= Total Cover		
Woody Vine Stratum (Plot size: 30-foot radius)	_			
Toxicandedron radicans	30	yes	966	
Toxicandadran radicas. Parthenocissus quinquefelia.	30	405	Facu	
3.		ı		
i		÷		
5				
		= Total Cover		
•		- IOLEI COVET		

NYSDEC OHM	1S Document I	No. 201469232-000	06	
Project Number: 09072			Sampling Date:	7/23/2012 The Drum wetlal
Applicant: Cum			Data Point ID :	Jul Drun wetlal
Soil Map Unit:				•
Soils Profile Description: (Description)	cribe to the depth n	needed to document the in	dicator or confirm	the absence of indicators).
			idicator or continu	the absence of indicators).
Deput St Matrix	Re	edux Features requency Type ²	Loc'	
	(moist)	requeries Type	LUC E	Texture, Structure, Other
0-31 10 YR 44				Silt
			200	
			Ti-	
			27 70 10 10 10 10 10 10 10 10 10 10 10 10 10	
Š.				
			<u>1</u> 2	
¹Frequency: F=Few, MA=Moderately Abundant, C=Common			403	
² Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Cover ³ Location: PL=Pore Lining, M=Matrix	red or Coated San	d Grains		
Cocasion Fe-Fore Enling, W-Maptx				
Hydrlc Soil indicators	E .			
Tryunc oon mulcators	g Pro	oblematic Hydric Soll Inc	dicators" 麗日 麗	lestrictive Layer (if observed)
Histosol (A1) Polyvalue Below Sur		_ 2 cm Muck (A10)		Туре:
Histic Epipedon (A2) Thin Dark Surface (S Black Histic (A3) Loamy Mucky Minera		Coast Prairie Redox (A1		Death Parkers
Hydrogen Sulfide (A4) Loamy Gleyed Matrix		_ 5 cm Mucky Peat of Pea _ Dark Surface (S7)	II (53)	Depth (inches):
Stratified Layers (A5) Depleted Matrix (F3) Depleted Below Dark Surface (A11) Redox Dark Surface		Polyvalue Below Surface	e (S8)	
Depleted Below Dark Surface (A11) Redox Dark Surface Thick Dark Surface (A12) Depleted Dark Surface		_ Thin Dark Surface (S9) _ Iron-Manganese Masse:	(F12)	
Sandy Mucky Mineral (S1) Redox Depressions (Piedmont Floodplain So	ils F19)	
Sandy Gleyed Matrix (S4) Sandy Redox (S5)	E —	_ Mesic Spodic (TA6) _ Red Parent Material (TF		
Stripped Matrix (S6)		_ Very Shallow Dark Surfa	4) ice (TF12) 程	
Dark Surface (S7)		Other (Explain in remark		
³ Indicators of hydrophytic vegetation and wetland hydrology must be pre	턞 esent. unless distur	rbed or problematic		
Remarks				
Spoil gile. Too dry w	L compa	idel to.	sample -	non-hydric
	新起的海豚群粒		205692643	
Wetland Determination			THE STATE OF THE S	and the second s
			No N/A	
Hydric Soil Present? Yes No Does Any I Wetland Hydrology Present? Yes No Is this Wet	Part of this Delinea	aled Wetland/Stream Exte	nd Past the Flagge	ed Boundary? Yes No N/A
Is this Sampling Point Within a Wetland? Yes (No	and Folentially Isc	olaled? Yes No N/A	•	
Is the wetland mapped in the NWI? Yes No If yes, India	noin almoster - 11:			
	cate classification cate wetland ID			

NYSDEC OHMS Document No. 201469232-00006
edr Companies
217 Montgomery Street, Suite 1000 DATA FORM 274 North Goodman Street
Syracuse, New York 13202 ROUTINE WETLAND DETERMINATION Rochester, New York 14607
Northcentral and Northcest Regional Supplement
Project Number: Nan22 Town: Porter Sampling Date: 7 23 2017
Children Clarical Total
Applicant: CWM Chemical Services State: New York Community: PFO
Data Point ID (i.e. 2W@Wel. G): Zw@ Prun WeHal Nearest Flag to Data Point: Drun 5
公文大学,我们是由自己的理解,但不由的的自己的理解,我们就是一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个
0 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
Investigator(s): Kippin Martin
is the area a potential problem area? Yes (No) Landform: Hillistde/Seep Toe of Slope (Depressional) Riparian
Landscape Position Flat Undulating Stopling Convex Concave
Approximate Slope (%): 0-2 %
Are climatic/hydrologic conditions on the site typical for this time of year Yes No
Do Normal Circumstances evint on elta? And Ma
Do Normal Circumstances exist on site? Yes No
Hydrology
II ya o ooyy
不好可能的现在,我们就是一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个
Primary Indicators (min. 4 sequired; already all that early)
Primary Indicators (min 1 required; check all that apply) Surface Water (A1) Surface Soil Cracks (B6)
High Water Table (A2)
Water Marks (B1) Mari Deposits (B15) Dry-Season Water Table (C2)
Sediment Deposits (B2) Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8)
Drift Deposits (B3) Oxidized Rhizospheres on Living Roots (C3) Saturation Visible on Aerial Imagery (C9)
Algal Mat or Crust (B4) Presence of Reduced Iron (C4) Stunted or Stressed Plants (D-1)
Iron Deposits (B5) Recent Iron Reduction in Titled Soils (C6) Geomorphic Position (D2)
Inundation Visible on Aerial Imagery (B7) Thin Muck Surface (C7) Shallow Aquitard (D3)
Sparsely Vegetated Concave Surface (B8)Other (Explain In Remarks)Microtopographic Relief (D4)
FAC-Neutral Test (D5)
11 (1/20) 38 M 12 (1/2)
的人,他们就是一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个
Field Observations
inundation Present? Yes No Depth of Water (inches):N/A
Saturated Conditions? Yes No Depth to Sat. Soli (inches):
Depth to Water (inches):
Stream Association (Take a Stream Inventory Data Form for each stream identified in Study Area)
Record observations (e.g. location, stream type, adjacent community type, state protected etc.) of any streams within or adjacent to the Study Area:
Record buselvations (e.g. location, stream type, abjacent community type, state protected etc.) of any streams within or adjacent to the Study Area:
N/A
AND
Remarks
8

NYSDEC (OHMS Docur	ment No. 201	469232-0	0006
Project Number: 09022	-		Sa	mpling Date: 7/23/70/2
Applicant: Cwn Chemical Services	LLC		. Da	ata Point ID: Zwo Drum wetlal
Vegetation	Absolute	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30-foot radius)	% Cover	Species?	Status	Number of Dominant Species
1. Topulas deltoides	30	405	Fac	That Are OBL., FACW, or FAC:(A)
2 Ulmus americana	30	yes_	Facul	Total Number of Dominant Species Across All Strata: (B)
3. Querrus palustris	10	<u>~\n0</u>	Facw	Percent of Dominant Species That Are OBL, FACW, or FAC: (A/B)
5				Prevalence Index worksheet: Total % Cover of: Multiply by
		= Total Cover		OBL species
Sapling/Shrub Stratum (Plot size: 15-foot radius)				FAC species x 3 = FACU species x 4 =
1. Flacinus pennsylvanica	70	405	T acw	UPL species x 5 = Column Totals: (A) (B)
- Talinus peringivanira			THE CAN	Prevalence Index = B/A =
2				
3.				
5				
		= Total Cover		Hydrophulia Vacatalla Lalla
Herb Stratum (Plot size: 5-foot radius)				Hydrophytic Vegetation indicators: Rapid Test for Hydrophytic Vegetation
. 4	5	<u> Tes</u>	facu	Dominance Test >50% Prevalence Index is ≤3.0¹ Morphological Adaptations¹ (provide supporting data in remarks) Problematic Hydrophytic Vegetation¹ (explain in remarks) ¹Indicators of hydric soil and wetland hydrology must be present,
3.				unless disturbed or problematic. Definitions of Vegetation Strate:
5				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
6				than 3.28 ft (1 m) tall. Herb - All herbaceous (non-woody) plants, regardless of size,
7.	_	,		and woody plants less than 3.28 ft tail. Woody vines - All woody vines greater than 3.28 ft in height.
8.				Remarks
9.				yes thin latelchat
10.				Very thin herb/shrub
		= Total Cover		layer
Woody Vine Stratum (Plot size: 30-foot radius)				
1. Vitis sp.	70	425	FOC	
2		ı		
3.				
4,				
5		•		
		Total Cover		

NYSDEC OHMS Document No. 20146	9232-00006
Project Number: 09077	Sampling Date: 7/23/7012
Applicant Cwin Chemical Services, LLC	Data Point ID: Zw@ Drum Wella
Soil Map Unit	
Solls Profile Description (Describe to the depth needed to do	cument the Indicator or confirm the absence of Indicators).
Donale Marie	
(Inches) Color (moist) Redux Feature Color (moist) Frequency	Type ² Loc ³ Texture, Structure, Other
0-8"+\$ 10 YR 4/2 N/A	Sil+
N/A	<u>墓 JIIT</u>
	3
Frequency: F=Few, MA=Moderately Abundant, C=Common	
Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains	
Location: PL=Pore Lining, M=Matrix	
lydric Soll Indicators	S. S
yoric 30ff fidicators	ydric Soll Indicators' Restrictive Layer (if observed)
Histosot (A1) Polyvalue Below Surface (SB) ## 2 cm Muck	(A10) Type
	(A10) Type. ifie Redox (A16) Type. y Peat or Peat (S3) Depth (inches): ce (S7) Detow Surface (S6) Surface (S9) Depth (inches): liness Masses (F12) Depth (inches): cloodplain Soils F19) Depth (inches): liness Masses (F12) Depth
Hydrogen Sulfide (A4)Loamy Gleyed Matrix (F2)	ce (S7)
	Below Surface (S8) Surface (S9)
Thick Dark Surface (A12) Depleted Dark Surface (F7) Iron-Manga	Inese Masses (F12)
Sandy Mucky Mineral (S1) Redox Depressions (F8) Piedmont i Sandy Gleyed Matrix (S4) Mesic Spo	loodplain Soils F19)
Sandy Redox (S5) Red Paren	t Material (TF2)
Stripped Matrix (S6) Dark Surface (S7) Uvery Shalk	ow Dark Surface (TF12)
ndicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or prob	ematic.
emarks	中,中心是一种的一种,他们就是一种的一种的一种。
Hard, compact suil due to 1	ack of recent precip.
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]
etland Determination	
ydrophytic Vegetalion Present? Yes No Hydrologic Connectivity to Off-site Wetland Potentially Isolated? Yes No Hydrology Present? No Hydrology Present? No Is Ihls Wetland Potentially Isolated? Yes No	/Stream Extend Past the Flagged Boundary? Was No N/A
the wetland mapped in the NWI? (Fig. No If yes, Indicate classification the wetland a mapped state wetland? Yes (No If yes, Indicate wetland ID	r bd

NYSDEC (DHMS Document No. 201469232-00006
edr Companies 217 Montgomery Street, Suite 1000	PATA PARA
Syracuse, New York 13202	DATA FORM 274 North Goodman Street
Syldouse, New LORK TOZOZ	ROUTINE WETLAND DETERMINATION Rochester, New York 14607
Project Number: 19572	Northcentral and Northeast Regional Supplement
Project Number. 17/11/0	Town: Porter Sampling Date: + 1,3/20/2
and the said contract	County: Niagara
Applicant: (11/11) Chemical Service	es, US state: New York Community: Upland Forest
	and the second s
Data Point ID (I.e. 2W@Wet. G): 7.uc Drum W	18461 Nearest Flag to Data Point: Drum 5
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	- 1977年 - 1
Investigator(s): Kippin Martin	6
Landform: Hiliside/Seep Toe of Slope Danressi	is the area a potential problem area? Yes (No)
Landform: Hillside/Seep Toe of Slope Depressi	
Landscape Position: Flat Undulating Sloping Co	is the site significantly disturbed? Yes No
Tondard Formatting Growing Go	
Are climatic/hydrologic conditions on the site typical for the	Approximate Slope (%):
Are chinationytrologic conditions on the site typical for tr	is time of year? (Yes) No
Do Normal Circumstances exist on site? (Yes) No	
Do Normal Circumstances exist on site? Yes No	
Hydrology	
inydrology Interest a rainte a rainte a mae a	
。 中国的特殊。 1998年1998年1998年1998年1998年1998年1998年1998	
Primary Indicators (mln 1 required; check all that ap	
Surface Water (A1)	(mini- z required)
Surface Water (A1) High Water Table (A2)	Surface Soil Cracks (B6)
High Water Table (A2) Saturation (A3)	Water-Stained Leaves (B9) Drainage Patterns (B10)
Saturation (A3) Water Marks (B t)	Aquatic Fauna (B13) Moss Trim Lines (B16)
Water Marks (B1) Sediment Deposits (B2)	Marl Deposits (B15) Dry-Season Water Table (C2)
Sediment Deposits (B2) Drift Deposits (B3)	Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8)
Drift Deposits (B3) Algal Mat or Crust (B4)	Oxidized Rhizospheres on Living Roots (C3) Saturation Visible on Aerial Imagery (C9)
Algai Mat of Crust (B4) iron Deposits (B5)	Presence of Reduced Iron (C4) Stunted or Stressed Plants (D-1)
	Recent Iron Reduction in Tilled Soils (C6) Geomorphic Position (D2)
Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8)	Thin Muck Surface (C7) Shallow Aquitard (D3)
Sparsely vederated concave onnace (pg)	Other (Explain In Remarks) Microtopographic Relief (D4)
	FAC-Neutral Test (D5)
vertilen bilder bit med transporter by the state of the s	THE PROPERTY OF THE PROPERTY O
Field Observations	
and the same of th	
	Depth of Water (inches):
Saturated Conditions? Yes No	Depth to Sat. Soil (inches):
	Depth to Water (inches):
ቀ ነት መሆን አማር ነገር ነገር ነገር መመስሪ መመስላቸው እንዲያስ ይደር እንደመስር እንደመስር እንደመስር የአመር መመስ መመስ መመስ መመስ መመስ መመስ ነገር ነገር እንደመስር መመስ	
Stream Association (Take a Stream Inventory Data Fo	rm for each stream Identified in Study Area)
Record observations (e.g. location, stream type, adjacent	The second secon
Moore observations (e.g. toestion, encour type, editoent	community type, state protected etc.) of any streams within or adjacent to the Study Area:
N/A	
1 1	
	表表。第543年1月14日 1月15日 1
Barakkan was samilistik salam teman teman ki Bamilipasan matarakkan panten teman a manasa, saman a samilis mit	是是是我们的是一个人,我们就是一个人的,我们就是我们的,我们就是一个人的,我们就是一个人的,我们就是我们的人,我们就是我们的人,我们就会是我们的人,我们就会会的 第一个人,我们就是我们的一个人,我们就是我们就是我们的,我们就是我们的人,我们就是我们的人,我们就是我们的人,我们就是我们的人,我们就是我们的人,我们就是我们的
Remarks	· · · · · · · · · · · · · · · · · · ·
Ala I a I	
No hydrology	66 servect.
17	00)610684
	1
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Project Number: 09027	4		Sa	mpling Date: 7/23/2012
Applicant: Cu)M Chemical Service	es, clc		Da	ata Point ID: Zy @ Drun Wetlal
Vegetation	Absolute	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30-foot radius)	% Cover	Species?	Status	Number of Dominant Spacies
1 Ulmus americana	10	NO	Facw	
2 Ropulus destoides	30	Yes	Fac	Total Number of Dominant Species Across All Strata: (B)
3,				Percent of Dominant Species
4.1				That Are OBL, FACW, or FAC:
5				Prevalence Index worksheet: Total % Cover of: Multiply by:
		= Total Cover		OBL species
			sol karinganu	FAC species x 3 =
Sapling/Shrub Stratum (Plot size: 15-foot radius)	PROPERTY OF STREET	o description and the second	emviiliusiiii:	FACU species
1 Colnus Palemosa	75	yes	Fac	Column Totals: (A) (B
2				Prevalence Index = B/A =
3	F.3			
4.			,	
5				
		Tatal Cavar		
		= Total Cover		Hydrophytic Vegetation Indicators: Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5-foot radius)				Dominance Test >50% Prevalence Index is ≤3,01
1 Toxicondulon radicans	_+5	4-05	Fac	Morphological Adaptations¹ (provide supporting data in remarks) Problematic Hydrophytic Vegetation¹ (explain in remarks)
2				Indicators of hydric soil and wetland hydrology must be present.
3.				unless disturbed or problematic.
4				Definitions of Vegetation Strata: Tree - Woody plants 3 in. (7.6 cm) or more in diameter at
5				breast height (DBH), regardless of height. Sapling/shrub - Woody plants less than 3 in. DBH and greater
				than 3.28 ft (1 m) tall.
6.		4		Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tell.
/.				Woody vines - All woody vines greater than 3.28 ft in height.
8.				Remarks
9.				
10.				
	OF THE STATE OF TH	= Total Cover		
Woody Vine Stratum (Plot size: 30-foot radius)	2782×00-903	eriodolerinadoleriolesi (il	and the same	
	10	المال	X41	
1 TOXI condendro cadicans 2 Parthhocissus quinque folia	7,-	90	Can !	
2 Tankor Octions Granque Willa	(2	yes	MCU	
3.				
4				* 5
5				
		= Total Cover		

			NYSE	EC OHMS Docum	ent No. 2014	69232-00	006	
Project Number:	09022 Gwm						Sampling Date:	7/23/2012
Applicant	Gum	Chemica		enrices, LLC	,		Data Point ID :	
Soil Map Unit								
Soils		Desti						
Atenie Williams.		TENTO CONTRA	Descr	IDDON (Describe to the d			indicator or confi	rm the absence of Indicators).
Depth (inches)	Color (moist)	atrix 9	6	Color (molst)	Redux Feature Frequency	es Type'	Loc³	Texture, Structure, Other
1-8"4	1042	12	9	NIA	-			C · I L
				10/1				3, 1, 1
				9				<u> </u>
			ji K					&
55								
¹Frequency: F=Few,	, MA≕Moderately	Abundant, C=C	ammo	n n			9	•
Type: C=Concentra		n, RM=Reduced	d Matrix	, CS=Covered or Coated	Sand Grains			
			HH(S)	3 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -				
Hydric Soil Indic	ators				Problematic H	lydric Soll	ndicators ³	Restrictive Layer (if observed)
Histosol (A1)		Po	olvvalu	Below Surface (S8)	以 的 超 2 cm Muck	(A10)	i i	
Histic Epipedon Black Histic (A3		Th	nin Dari	Surface (S9)	Coast Prai	irie Redox (A	\16)	
Hydrogen Sulfid	le (A4)			ucky Mineral (F1) leyed Matrix (F2)	5 cm Muck	y Peat or Pa ice (S7)	eat (S3)	Depth (inches):
Stratified Layers Depleted Below	s (A5) r Dark Surface (A			Matrix (F3) ark Surface (F6)		Below Surfa Surface (S9	ce (S8)	
Thick Dark Surf	ace (A12)	De	epleted	Dark Surface (F7)	Iron-Manga	anese Mass	es (F12)	
Sandy Mucky M Sandy Gleyed N		Re	edox Di	epressions (F8)	Piedmont I	Floodplain S dic (TA6)	oils F19)	
Sandy Redox (S					Red Paren	nt Material (T	F2)	
Dark Surface (S						ow Dark Sur dain in rema	face (TF12) rks)	
3 Indicators of hydrop	hytic vegetation a	and welland hvo	trology	must be present, unless				76 6 6 6 6 6 6 7
aliania in le reservi	E SAME STATE		i ali	12-11 Les de Caración	distorbed of prob	Manager 1	ie de l'action de la constant	i.
Remarks								
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	NOW W	10110	101	V				
					TOTAL CONTRACTOR	ida Madalanda arakesa s		Perform to perfold a term and or one the secretary and a second and
_		nandt for det						
Wetland Determin		6						
Hydrophytic Vegetati Hydric Soil Present?	ion Present? (1) HEDY		Hydrologic Connectivity	to Off-site Wetlan	nds? Yes	No N/A	gged Boundary? Yes No N/A
Hydric Soil Present? Welland Hydrology F	resent? Yes	(i)		Is this Wetland Potentia	lly isolated? Ye	s No N	A	gged boundary? Yes No N/A
Is this Sampling Poin			y					
is the wetland map is the wetland a m	oped in the NW apped state we	l? Yes No tland? Yes	No	If yes, indicate classification of the second secon				

New York State Department of Environmental Conservation

Division of Fish, Wildlife and Marine Resources, Region 9

270 Michigan Avenue, Buffalo, New York, 14203-2915

Phone: (716) 851-7010 • FAX: (716) 851-7053

Website: www.dec.ny.gov

Joe Martens Commissioner

November 28, 2012

CERTIFIED MAIL RETURN RECEIPT REQUESTED

Mr. Jonathan P. Rizzo, Permitting Manager Waste Management 1550 Balmer Road Model City, New York 14107

Dear Mr. Rizzo:

Wetland RV-8 Boundary Delineation Town of Porter, Niagara County

This letter serves as notification that I verified the wetland delineation conducted by EDR Companies (EDR) of Wetland RV-8 within the proposed Chemical Waste Management landfill expansion area, parcel 61.00-2-1, on November 6, 2012. The wetland boundary is identified with pink plastic flagging consecutively numbered DRUM 1 through DRUM 33 and C1 through C5 as shown on EDR's Figure 8 "Revised Delineated Wetlands", as well as the enclosed map. Please note that Wetland C has a direct connection to the main body of Wetland RV-8 and is therefore state jurisdictional but Wetlands A, B, and D are not state jurisdictional. Also, please beware that wetland boundaries may change over time and this map does not fix the wetland boundary indefinitely.

If you would like to document the precise boundary of the wetland relative to your property boundary, it is your responsibility to have the wetland boundary surveyed. If you choose to complete a survey, the wetland boundary survey map should be submitted to me for verification. A copy of this Department's <u>Requirements for Wetland Survey and Mapping</u> is enclosed. Please note that a surveyed wetland boundary that has been verified by this Department will be considered valid for five years.

In 1975, the New York State Legislature passed the Freshwater Wetlands Act to preserve and protect wetlands and their functions, such as flood protection and fish and wildlife habitat. The New York State Department of Environmental Conservation is required to map all wetlands protected by this law, and to make those maps available for inspection in all local government clerks' offices. Certain activities within the wetland or its regulated 100-foot adjacent area require a permit from this Department, including but not limited to filling, clearing vegetation, draining, and construction. Contact our Division of Environmental Permits for information regarding permit requirements at:

New York State Department of Environmental Conservation Division of Environmental Permits 270 Michigan Avenue Buffalo, New York 14203-2915 Telephone: (716) 851-7165

Please be advised that this Department plans to amend the Freshwater Wetlands Map for Niagara County to better illustrate the boundary of Wetland RV-8 based on this wetland delineation. We will publish notice of the proposed amendment in the Department's Environmental Notice Bulletin and in two local newspapers on a later date. In addition, all affected landowners will be notified by certified mail. Affected landowners, local government officials, and other interested parties may comment to this Department on the proposed map amendment now or at the time of the published notices.

In addition, the U.S. Army Corps of Engineers may also have wetland jurisdiction irrespective of the Department of Environmental Conservation. For more information, you may contact the Corps at:

United States Army Corps of Engineers Regulatory Branch 1776 Niagara Street Buffalo, New York 14207 Telephone: (716) 879-4330

If you have any questions about this wetland delineation, please feel free to call me in the Buffalo office at (716) 851-7010.

Sincerely.

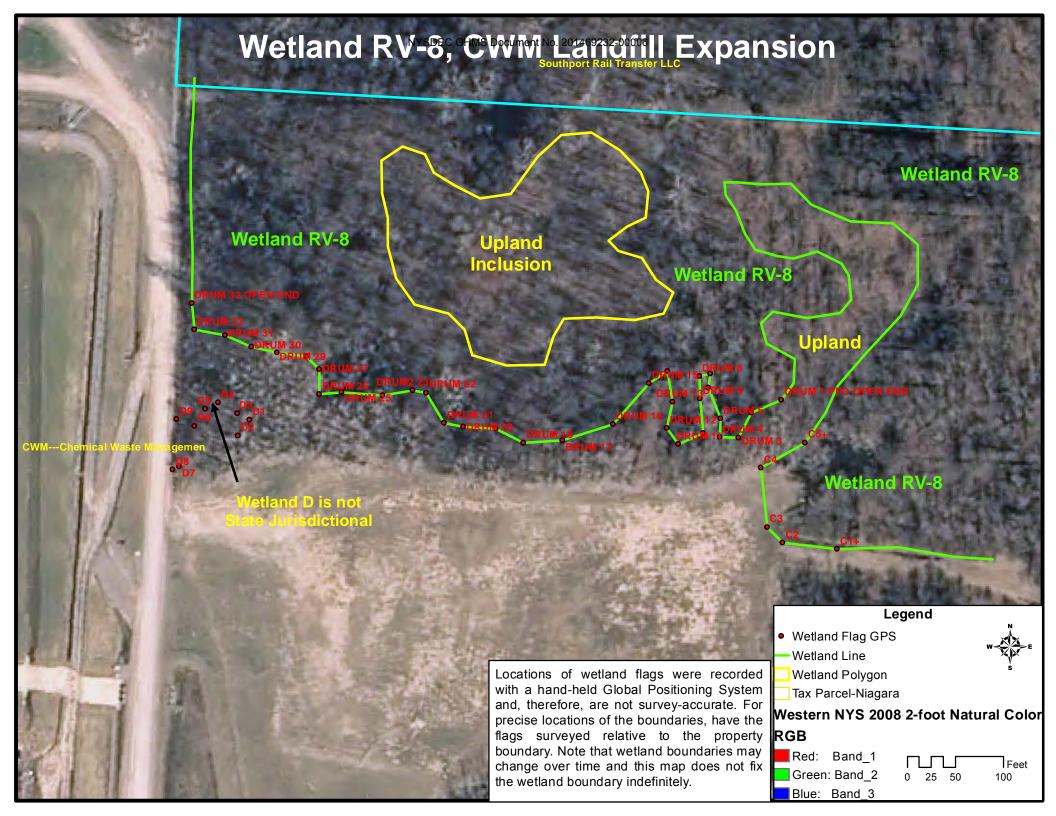
Charles P. Rosenburg
Senior Ecologist

Region 9

CPR/jmm

Enclosures: Wetland RV-8 Delineation Map, NYSDEC Region 9 Survey Requirements

cc: Mr. Mark Kandel, NYSDEC, Regional Wildlife Manager
Lt. James R Schultz, NYSDEC Division of Law Enforcement
Mr. Jim Pippin, EDR Companies
Porter Town Clerk
Porter Town Supervisor
Niagara County Clerk
Niagara County Executive
Wetland RV-8 file



New York State Department of Environmental Conservation

Division of Fish, Wildlife and Marine Resources, Region 9 270 Michigan Avenue, Buffalo, New York, 14203-2915

Phone: (716) 851-7010 • FAX: (716) 851-7053

Website: www.dec.nv.gov

February 4, 2013



Mr. Jonathan P. Rizzo, Permitting Manager Waste Management 1550 Balmer Road Model City, New York 14107

Dear Mr. Rizzo:

Freshwater Wetlands Jurisdiction CWM Residuals Management Unit No. 2 Town of Porter, Niagara County

This letter serves as a supplement to the November 28, 2012 letter I sent to you regarding delineation of the Freshwater Wetland RV-8 boundary within the CWM Residuals Management Unit No. 2 (RMU-2). That letter did not specifically address New York State Department of Environmental Conservation (NYSDEC) freshwater wetlands jurisdiction elsewhere within the RMU-2. Please note that I concur with EDR's assessment that there are no other areas of NYSDEC freshwater wetlands jurisdiction within the RMU-2 development area.

If you have any additional questions about NYSDEC freshwater wetlands jurisdiction. please feel free to call me in the Buffalo office at (716) 851-7010.

Sincerely,

Charles P. Rosenburg

Senior Ecologist

Region 9

CPR/jmm

Ms. Lisa Porter, NYSDEC Division of Environmental Permits

Mr. Jim Pippin, EDR Companies

Wetland RV-8 file