								Job. No.	Client:	NYSDEC	T.a	cation	
	EA Engine	eering, P.C.						1490710	Project:	Lackawanna Incinerator	Lackawanna, NY		
		e and Tech						 	Location Des		Sample Location ID:		
	Li i ociciic	c una reen	1101069					<u> </u>		eam of the larger culvert at	915206-SW-03		
		Log of Sedi	iment Sampl	e Collection				eastern edge o		eam of the larger curvert at			
Coordinates:		Northing:	1027494.498	Easting:	1084774.539			Sample Me	ethod:	Ziplock Bag, Grab	Sheet 1 of 1		
Surface Water Elevation:			N	/A				Depth of V	Vater Body:	Trickle of water	Samplin	g Date/Time	
Reference Elevation:	erence Elevation: 586.97							Width of V	Vater Body:	N/A	Start	Finish	
Reference Description:	eference Description: Ground Surface						Water Bod	y Location	Smokes Creek	7-Nov-12	7-Nov-12		
										Lackawanna, NY	TIME 14:49	TIME	
	Water Quality Parameters								nditions:	Small	stream of water from p	ıpe	
	Time	pН	Cond.	Turb.	DO	Temp	ORP	Weather:		35 degrees F			
(hrs) (pH units) (mS/cm) (ntu) (mg/L)						(°C)	(mV)			Description of V	Vater		
	1459	7.75	0.849	11.8	10.76	4.13	141	0 ,					
								Collected samples in ziplock bag - due to amount of water present, had to collect from trickle by transfer to sample jar. No sheen present on water. Sample collected immediately off of cement pipe					
Water quality parameters collected from Smokes													
Creek where outfall met the creek													

Sampling Time:

Sample Type:

Split Sample With:

1450

N/A

Grab

Total Quantity of Water Removed (gal): Samplers: Sampling Date: N/A RP/HW

11/7/2012

R	EA Engin	eering, P.C.					Job. No. 1490710	Client: Project:	NYSDEC Lackawanna Incinerator		ocation wanna, NY				
	EA Science	ce and Tech	nology					Sampling I	ocation De	escription:	-	Location ID: 06-SW-04			
		Log of Sedi	ment Sample	e Collection				Outfall pipe a	te western edg	ge of site, close to MW-08					
Coordinates:		Northing:	1027493.55	Easting:	1084521.244			Sample Method: Ziplock Bag, Grab Sheet 1 of 1							
Surface Water Elevation:	Surface Water Elevation:			/A				Depth of W	ater Body:	Trickle of water	Sampli	ng Date/Time			
Reference Elevation:			586	5.19				Width of W	ater Body:	N/A	Start	Finish			
Reference Description:			Ground	Surface		•		Water Body	Location	Smokes Creek	7-Nov-12	7-Nov-12			
										Lackawanna, NY	TIME	TIME			
			Water	Quality Para	meters			Surface Co	nditions:	Tiny s	tream of water from p	pipe			
	Time	pН	Cond.	Turb.	DO	Temp	ORP	Weather:		35 degrees F	degrees F				
	(hrs)	(pH units)	(mS/cm)	(ntu)	(mg/L)	(°C)	(mV)			Description of Sec	liment				
	1425	7.76	0.651	23.1	10.42	5.09	124	Collected SW sample approximately 5 feet below initial outfall, and 20 feet above entrance to creek Sheen present on water flow - likely natural							
	1440	7.8	0.667	6.1	10.18	4	138	Slight yellow tint to water collected in ziplock bag							
Water quality parameters collected from Smokes Creek where outfall met the creek								Due to water a	and then transfer to sa	mple jars.					
Total Quantity of Water Ren Samplers: Sampling Date:		N/A RP/HW 11/7/2012						Sampling Split Sam Sample T	ple With:	1415 Duplicate Grab	_ _ _				

R								Job. No.	Client:	NYSDEC	Lo	ocation		
	EA Engin	eering, P.C.						1490710	Project:	Lackawanna Incinerator	Lacka	wanna, NY		
	EA Science	e and Tech	nology					Sampling I	ocation De	scription:	Sample	Location ID:		
											9152	915206-SW-05		
		Log of Sedi	iment Sample					Upstream from		Shee	Sheet 1 of 1			
Coordinates:		Northing:		Easting:	: N/A			Sample Me		Grab				
Surface Water Elevation			/A		-		Depth of W		N/A		ng Date/Time			
Reference Elevation:				/A				Width of W		N/A	Start	Finish		
Reference Description:			N,	/A				Water Body	Location	Smokes Creek	18-Apr-12	18-Apr-12		
										Lackawanna, NY	TIME N/A	TIME N/A		
			Water	Quality Para		Surface Co	nditions:		N/A					
	Time pH Cond. Turb. DO Temp ORP										N/A			
	(hrs)	(pH units)	(mS/cm)	(ntu)	(mg/L)	(°C)	(mV)	Description of Surface Water						
	1008	8.36	0.608	0	15.45	14.21	-13	N/A						
	1010	8.34	0.609	0	11.34	13.44	0							
Water quality parameters	5													
collected from Smokes														
Creek														
		1						-						
		1						-						
	<u> </u>													
Total Ouantity of Water Re	Fotal Quantity of Water Removed (gal): N/A								Sampling	Time:	1450			
Samplers:					-				Split Samp		N/A			
Sampling Date:	-				=				Sample Ty		Grab			
1 9		4/18/2012		_				r J	<u> </u>		Giau			

R								Job. No.	Client:	NYSDEC		Loc	cation	
	EA Engin	eering, P.C.						1490710	Project:	Lackawanna Incine	rator	Lackaw	anna, NY	
	EA Science	ce and Tech	nology					Sampling I	ocation De	scription:		Sample Location ID:		
												915206-SW-06		
		Log of Sedi	ment Sample	e Collection				Upstream edge				Sheet 1 of 1		
Coordinates:		Northing:	N/A	Easting:	: N/A	_		Sample Me	thod:	Grab				
Surface Water Elevation		N,	/A		_		Depth of W	,	N/A		Samplin	g Date/Time		
Reference Elevation:		N,	/A		_		Width of W	later Body:	N/A		Start	Finish		
Reference Description:			N,	/A		_		Water Body	Location	Smokes Cr	eek	18-Apr-12	18-Apr-12	
										Lackawanna, N	ľΥ	TIME N/A	TIME N/A	
			Water	Quality Para	Surface Co	nditions:			N/A					
	Time	Time pH Cond. Turb. DO Temp ORP									N/A	A		
	(hrs)	(pH units)	(mS/cm)	(ntu)	(mg/L)	(°C)	(mV)	Description of Sediment						
	954	8.28	0.607	0	10.12	13.95	33	N/A						
	955	8.25	0.607	0	9.66	13.29	44							
Water quality parameters	s													
collected from Smokes	1													
Creek														
	<u> </u>													
Total Quantity of Water Po	moved (gal)		N/A						Sampling	Tima		957		
Samplers:	Total Quantity of Water Removed (gal):				-				Split Samp			Ouplicate 02		
Sampling Date:	-				=				Sample Ty			Grab		
Samping Date.	,	4/18/2012		_				Jampie I y			Grab			

R								Job. No.	Client:	NYSDEC	L	ocation		
	_	eering, P.C.						1490710	Project:	Lackawanna Incinerator	r Lacka	iwanna, NY		
	EA Science	ce and Tech	nology					Sampling l	ocation Des	scription:	Sample	Location ID:		
											9152	206-SW-07		
		_	ment Sample						-	ar SD-07 transect Grab	Shee	Sheet 1 of 1		
Coordinates:		Northing:		Easting	: N/A	_		Sample Me						
Surface Water Elevation			/A		_			later Body:	N/A		ing Date/Time			
Reference Elevation:			/A		-		Width of W	,	N/A	Start	Finish			
Reference Description:			N	/A		-		Water Body	Location	Smokes Creek		18-Apr-12		
									Lackawanna, NY	TIME N/A	TIME N/A			
	meters	Temp		Surface Co	nditions:		N/A							
	Time pH Cond. Turb. I						ORP	Weather:			N/A			
	(hrs)	(pH units)	(mS/cm)	(ntu)	(mg/L)	(°C)	(mV)			Description of Sediment				
	910	8.12	0.624	0	10.1	12.73	95	N/A						
	912	8.12	0.623	0	9.54	12.39	97							
Water quality parameters														
collected from Smokes								-						
Creek														
								1						
	JI		l	<u> </u>		l	1							
Total Quantity of Water Re	moved (gal):		N/A						Sampling 7	Гіте:	910			
Samplers:			CY / RP		_				Split Samp		N/A	<u>——</u>		
Sampling Date:	-				-				Sample Ty		Grab			
II - ~		4/18/2012		-				. ,						

R								Job. No.	Client:	NYSDEC	Loc	ation	
	EA Engin	eering, P.C.						1490710	Project:	Lackawanna Incinerator	Lackaw	anna, NY	
	EA Science	e and Tech	nology					Sampling Lo	ocation Des	cription:	Sample Location ID:		
										eam between SW-06 and SW-	91520	6-SW-08	
0 11 1		-	ment Sample					07; co-located w			Sheet 1 of 1		
Coordinates:		Northing:		Easting:	N/A	-		Sample Met		Grab			
Surface Water Elevation: N/A Reference Elevation: N/A				-		Depth of Wa		N/A N/A	Sampling Start	g Date/Time Finish			
Reference Description:		-				-		Water Body		Smokes Creek	18-Apr-12	18-Apr-12	
Reference Description.	Reference Description: N/A						vvater body	Location	Lackawanna, NY	TIME N/A	TIME N/A		
Water Quality Parameters								Surface Con	ditions:	Euckuwarana, 141	N/A	THVIL IN/ IX	
	Time	pН	Cond.	DO	Temp	ORP	Weather:		N/				
	(hrs)	(pH units)	(mS/cm)	Turb. (ntu)	(mg/L)	(°C)	(mV)			iment			
	938	8.13	0.604	0	13.12	13.81	122	N/A					
	242	0.40	0.644		44.00	42.0	400						
	940	8.12	0.614	0	11.08	13.05	122						
Water quality parameters													
collected from Smokes													
Creek													
							<u> </u>						

Sampling Time:

Sample Type:

Split Sample With:

943

MS/MSD

Grab

Total Quantity of Water Removed (gal): Samplers: Sampling Date:

N/A CY / RP 4/18/2012

R								Job. No.	Client:	NYSDEC	Lo	cation		
	EA Engin	eering, P.C.						1490710	Project:	Lackawanna Incinerator	Lackay	wanna, NY		
	EA Science	ce and Tech	nology					Sampling I	ocation De	scription:	Sample	Location ID:		
											91520	06-SW-09		
		Log of Sedi	ment Sample	e Collection					•	cated with SD-09	Sheet	1 of 1		
Coordinates:		Northing:	N/A	Easting:	: N/A	_		Sample Me		Grab	Sheet			
Surface Water Elevation		N,	/A		_		Depth of W		N/A		ng Date/Time			
Reference Elevation:		N,			_		Width of W		N/A	Start	Finish			
Reference Description:			N,	/A		_		Water Body	Location	Smokes Creek	18-Apr-12	18-Apr-12		
									Lackawanna, NY	TIME N/A	TIME N/A			
Water Quality Parameters								Surface Co	nditions:		N/A			
	Time	pН	DO	Temp	ORP	Weather:			N/A					
	(hrs)	(pH units)	(mS/cm)	(ntu)	(mg/L)	(°C)	(mV)	Description of Sediment						
	900	8.16	0.636	0.5	37.52	12.64	67	N/A						
	905	8.22	0.625	0	11.77	12.32	78							
Water quality parameters	,													
collected from Smokes														
Creek														
								ļ						
	<u> </u>						<u> </u>							
Total Quantity of Water Po	Table 1 Occasion of Wilder Processed (see D. N. / A.								Sampling '	Timo	900			
Samplers:	Total Quantity of Water Removed (gal):			N/A CY / RP					Split Samp	N/A	_			
					-				Sample Ty		Grab			
Sampling Date:			4/18/2012		_				Jampie I y		Giub	Grab		