

			GROUNDW	ATER SAN	APLING PURG	GE FORM					
Well I.D.:	Well I.D.: EA Personnel:					Client:					
MW-02A			Hilary William		terson	NYSDEC - Lackawanna Former Incinerator Site					
Location:			Well Conditi	•	tersori	Weather:	ckawama 1 om	er memerator	<u> </u>		
Lackawanna, 1	NY		Good			Sunny, ~40 degrees F					
Sounding M			Gauge Date:		7-Nov-12	Measureme:	Ü				
_	Dipper Water L	oval Matar	Gauge Time:		15:15	TOC	in ici.				
Stick Up/Do		ever Meter	PID Headspa			Well Diame	tor (in).				
Up ~2ft.	wii (it).		NA	ace Keauing	•	2"	ter (III).				
ор ^ч 2п.			IVA								
Purge Date:					Purge Time:						
7-Nov-12					15:17						
Purge Metho	nd:				Field Technici	20.					
		ing/foot valve; ba	ilor		HW / RP	aii.					
Tianu surge us	sing waterra tubi	ing/100t vaive, ba	nei		IIVV / KI						
				TA7-11 T	7 - 1						
	.1 (4:)		l=		⁷ olume	l=	1 . 4				
A. Well Dep	th (ft):		D. Well Volu	ıme (ft):			ht of Top of P	VC:			
32.27	(4:)		0.39	(1) (0)		Up ∼2 ft.					
B. Depth to	Water (ft):		E. Well Volu	me (gal) (C*	D):	Pump Type:					
14.44	41 (61) (A D)		6.93	1771 /	1) (TO)	Whaler pump					
C. Liquid De 17.83	epth (ft) (A-B):		F. Three Wel 20.79	l Volumes (gal) (E3):	Pump Intak	e Depth:				
17.00						<u> </u>					
			W	ater Qualit	y Parameters						
Time	pН	Conductivity	Turbidity	DO	Temperature	ORP	DTW	Rate	Volume		
(hrs)	(pH units)	(mS/cm)	(ntu)	(mg/L)	(°C)	(mV)	(ft btoc)	(Lpm)	(liters)		
1519	7.37	0.819	127	5.21	8.95	118					
1523	7.26	0.786	>1,000	7.58	9.08	102	20.05				
1527	7.23	0.814	>1,000	6.60	10.13	78	22.00				
1530	7.35	0.802	>1,000	6.73	9.11	76	22.45				
1533	7.24	0.794	>1,000	6.25	10.30	68	23.71				
1537	7.24	0.794	>1,000	5.55	10.30	58					
1540	7.29	0.784	>1,000	7.21	10.07	66	25.61				
1543	7.35	0.815	>1,000	6.30	10.24	75	28.69				
1546	7.41	0.783	>1,000	8.85	9.99	78	29.21				
1549	7.30	0.789	>1,000	6.66	9.97	71	30.65				
1552	7.32	0.789	>1,000	4.53	10.06	63	31.37				
1555	7.33	0.796	>1,000	5.20	9.93	64 64	31.90				
1558	7.37	0.799 Well pure	>1,000	5.44	9.96 ernight, continued	1	8 /2012				
1415	7.37	0.758	574	13.31	11.02	98	17.63				
1418	7.35	0.778	>1,000	7.57	11.05	97	22.85				
1421	7.33	0.781	668	7.34	11.30	95	24.22				
1424	7.31	0.778	>1,000	8.19	11.05	95	26.63				
1427	7.33	0.760	>1,000	8.63	10.69	93					
				Well pu	rged dry.	•	•				
				_	Ì						
Total Quant	ity of Water Re	emoved (gal):		-		Sampling Ti	ime:	N	/A		
Samplers:	_		HW/RP		_	Split Sampl	e With:	N	/A		
Sampling D	ate:		N/A		_	Sample Typ	e:	N	//A		
			,		_	1 71			,		
	S AND OBSEI			0 . 0	using surge techni	_	rra tubing and fo	oot valve. Beg	an		
					vell recharge over much clearer wate		/2012				
		DILITINGS PITTOR	u wen using wi	iaier pump - 1	much ciearer wate	r tnan on 11/7	/ ZU1Z.				



			GROUNDW	ATER SAM	IPLING PURC	GE FORM				
Well I.D.: EA Personnel:						Client:				
MW-03A			Hilary Williams / Robert Peterson			NYSDEC - Lackawanna Former Incinerator Site				
Location:			Well Conditi		Weather:					
Lackawanna, l	NY		Good		Sunny, ~30 degrees F					
Sounding M	ethod:		Gauge Date:		7-Nov-12 Measurement Ref:					
· ·	Dipper Water Le	evel Meter	Gauge Time:		8:22	TOC				
Stick Up/Do		ever ivieter	PID Headspa		0.22	Well Diame	ter (in):			
Down ~0.4 ft	wii (1 <i>t)</i> .		NA	ec Reading.		2"	ici (iii).			
DOWN 0.410			1471							
Purge Date:					Purge Time:					
7-Nov-12					8:25					
Purge Metho	od:				Field Technicia	an·				
		2012, whaler pump	on 8 Novembe	r 2012	HW / RP					
baner at start	oit / I voveiliber 2	1012, Whater punit	on or vovembe	1 2012	1177 / 101					
				Well V	olume					
A. Well Dep	th (ft):		D. Well Volu	me (ft):		Depth/Heigl	ht of Top of P	/C:		
29.55			0.51			Down ~0.3 ft				
B. Depth to V	Water (ft):		E. Well Volu	me (gal) (C*I	D):	Pump Type:				
6.21	(-5).		11.88	(8) (0	- /-	Bailer / Whale				
C. Liquid De	epth (ft) (A-B):		F. Three Well	l Volumes (g	al) (E3):	Pump Intake				
23.34	F ()		35.63	(8	, ()	N/A				
						,				
			W	ater Oualit	y Parameters					
Time	pН	Conductivity	Turbidity	DO	Temperature	ORP	DTW	Rate	Volume	
(hrs)	(pH units)	(mS/cm)	(ntu)	(mg/L)	(°C)	(mV)	(ft btoc)	(Lpm)	(liters)	
	12 /	, , ,	, ,		` ′	` ′	, ,		, ,	
826	6.49	10.2	70.8	6.45	13.36	91	8.75	N/A		
832 835	6.76	10.2	260 214	6.32	13.7 12.71	62 55	13.44	N/A		
839	6.84 6.87	10.2 9.77	>1,000	9.45 5.83	12.71	58	15.63 19.70	N/A N/A		
842	6.89	9.49	>1,000	5.86	11.6	65	20.25	N/A		
846	6.9	9.93	>1,000	12.19	11.38	66	22.55	N/A		
851	6.88	10.1	>1,000	5.88	11.48	70	23.71	N/A		
855	6.9	10.2	>1,000	6.29	11.31	75	25.21	N/A		
858	6.89	10.1	>1,000	5.87	11.35	78	26.36	N/A		
901	6.93	8.46	>1,000	3.46	11.25	-20	27.56	N/A		
905	6.99	6.75	>1,000	1.80	11.19	-50	28.34	N/A		
915	7.1	4.91	>1,000	2.85	13.07	-27	27.49	N/A		
918	7.17	4.71	>1,000	4.88	11.75	-21	27.65	N/A		
921	7.19	4.62	>1,000	4.54	11.84	-22	27.90	N/A		
924	7.21	4.61	>1,000	6.20	11.93	-18	28.06	N/A		
927	7.2	4.63	>1,000	6.06	12.03	-18	29.19	N/A		
930	7.21	5.11	>1,000	5.18	10.73	-8	29.68	N/A		
1250	7.17				inued purge with				T	
1250 1253	7.17 7.21	3.06 3.08	>1,000 >1,000	3.65 6.59	11.52 11.89	-52 20	22.15 24.46			
1257	7.21	3.51	>1,000	7.06	11.89		26.75			
1300	7.16	2.98	>1,000	6.95	11.83	44	27.80			
1303	7.24	2.89	>1,000	5.42	11.37	45	29.25			
1000	7.21	2.07	1,000	0.12	11.07		27.20			
Total Overt	ity of Water Re	moved (gal).	<u> </u>		l	Sampling Ti	me.	N.T	/A	
	ity of vvaler Ke	moveu (gai):	LIM/DD	-	_	Split Sample			-	
Samplers:			HW/RP		_				/A	
Sampling Da	ate:		N/A		_	Sample Typ	e:	N	/A	
	S AND OBSER				emoved 2 bailers f			Thick mud obs	erved in	
		dry at 0931, let we		0	01 0	rith whaler pun	np.			
11/8/12: Dept	th to water 20.83	ft bgs (slight recha	arge overnight).	Clearer water	on 11/8/12.					
<u> </u>										



			GROUNDW	ATER SAN	MPLING PURC	GE FORM				
Well I.D.:			EA Personne	1:		Client:				
MW-04			Hilary William	ry Williams / Robert Peterson NYSDEC - Lackawanna Former Incinerato						
Location:		Well Conditi	on:		Weather:					
Lackawanna, N	Y		Good			Sunny, ~30 de	egrees F			
Sounding Me	thod:		Gauge Date:		8-Nov-12	Measuremen				
Heron Skinny D	ipper Water Le	vel Meter	Gauge Time:		10:15	TOC				
Stick Up/Dow	n (ft):		PID Headspa	ce Reading:	;	Well Diame	ter (in):			
Down ∼0.3 ft			NA			2"				
Purge Date:					Purge Time:					
8-Nov-12					10:17					
Purge Method	<u> </u>				Field Technicia	an:				
Hand surge and					HW / RP					
rana sarge and	· · · · · · · · · · · · · · · · · · ·				11117 111					
				Well V	⁷ olume					
A. Well Deptl	ı (ft):		D. Well Volu	me (ft):		Depth/Heig	ht of Top of P	/C:		
29.94			0.12			Down ~0.3 ft	-			
B. Depth to W	ater (ft):		E. Well Volume (gal) (C*D):			Pump Type:				
24.66			0.61			Whaler pump				
C. Liquid Dep	oth (ft) (A-B):		F. Three Well Volumes (gal) (E3):			Pump Intake Depth:				
5.28			1.82							
			W	ater Qualit	ty Parameters					
Time	pН	Conductivity	Turbidity	DO	Temperature	ORP	DTW	Rate	Volume	
(hrs)	(pH units)	(mS/cm)	(ntu)	(mg/L)	(°C)	(mV)	(ft btoc)	(Lpm)	(liters)	
1025	7.32	0.812	>1,000	6.6	9.95	14	26.15			
1028	7.27	0.842	>1,000	4.58	10.55	4	26.81			
1031	7.22	0.903	>1,000	8.22	12.09	47	27.78			
1038	7.46	0.753	>1,000	1.34	11.7	-104	28.55			
1041	7.41	0.802	>1,000	3.44	12.86	-48	28.93			
Total Quantit	y of Water Re	moved (gal):		-	_	Sampling T			/A	
Samplers:			HW/RP		_	Split Sample With: N/A				
Sampling Dat	e:		N/A		<u> </u>	Sample Typ	e:	N	/A	
COMMENTS Well purged dry		RVATIONS:		Resistance at	bottom of well. W	ater was mudd	ly brown at start	of purge.		



			GROUNDW	ATER SAN	MPLING PURG	GE FORM						
Well I.D.:			EA Personne	1:		Client:						
MW-05			Hilary Williams / Robert Peterson				NYSDEC - Lackawanna Former Incinerator Site					
Location:			Well Condition:				Weather:					
Lackawanna, NY Good						Sunny, ~40 de	egrees F					
Sounding M			Gauge Date:		8-Nov-12	Measuremen	ŭ					
Heron Skinny Dipper Water Level Meter Gauge Time:					9:10	TOC						
Stick Up/Do			PID Headspa			Well Diame	ter (in):					
Down ~0.3 ft	().		NA			2"						
						_						
Purge Date:					Purge Time:							
8-Nov-12					9:15							
Purge Metho	od:				Field Technicia	an:						
Whaler pump	and hand surge				HW / RP							
					•							
				Well V	⁷ olume							
A. Well Dep	th (ft):		D. Well Volu	me (ft):		Depth/Heig	ht of Top of P	VC:				
30.02	,		0.41	()		Up ~2 ft.	•					
B. Depth to V	Water (ft):		E. Well Volu	me (gal) (C*	D):	Pump Type:	.					
11.05	. ,		7.84			Whaler pump						
C. Liquid De	epth (ft) (A-B):		F. Three Well	l Volumes (gal) (E3):	Pump Intak						
18.97			23.53									
			-									
			W	ater Quali	ty Parameters							
Time	рН	Conductivity	Turbidity	DO	Temperature	ORP	DTW	Rate	Volume			
(hrs)	(pH units)	(mS/cm)	(ntu)	(mg/L)	(°C)	(mV)	(ft btoc)	(Lpm)	(liters)			
918	7.40	0.668	>1,000	10.5	11.19	102	19.36					
910	7.40		>1,000	9.79	10.12	117	22.05					
925	7.40	0.679	, 1,000									
		0.679 0.693	>1,000	9.34	10.7	116	22.30					
925	7.09			9.34 7.47	10.7 10.53	116 106	22.30 25.25					
925 928	7.09 7.15	0.693	>1,001									
925 928 931	7.09 7.15 7.07	0.693 0.683	>1,001 >1,002	7.47	10.53	106	25.25					
925 928 931 935 939 942	7.09 7.15 7.07 7.14 7.23 7.16	0.693 0.683 0.676 0.696 0.703	>1,001 >1,002 >1,003	7.47 6.31	10.53 10.5	106 77 95 104	25.25 25.22					
925 928 931 935 939 942 945	7.09 7.15 7.07 7.14 7.23 7.16 7.14	0.693 0.683 0.676 0.696 0.703 0.674	>1,001 >1,002 >1,003 >1,004 >1,005 >1,006	7.47 6.31 8.77 8.50 8.30	10.53 10.5 10.52 10.93 11.65	106 77 95 104 89	25.25 25.22 25.75 26.26 27.25					
925 928 931 935 939 942 945 952	7.09 7.15 7.07 7.14 7.23 7.16 7.14 7.29	0.693 0.683 0.676 0.696 0.703 0.674 0.673	>1,001 >1,002 >1,003 >1,004 >1,005 >1,006 >1,007	7.47 6.31 8.77 8.50 8.30 6.32	10.53 10.5 10.52 10.93 11.65 10.86	106 77 95 104 89 71	25.25 25.22 25.75 26.26 27.25 29.2	 	 			
925 928 931 935 939 942 945	7.09 7.15 7.07 7.14 7.23 7.16 7.14	0.693 0.683 0.676 0.696 0.703 0.674	>1,001 >1,002 >1,003 >1,004 >1,005 >1,006	7.47 6.31 8.77 8.50 8.30	10.53 10.5 10.52 10.93 11.65	106 77 95 104 89	25.25 25.22 25.75 26.26 27.25	 	 			
925 928 931 935 939 942 945 952	7.09 7.15 7.07 7.14 7.23 7.16 7.14 7.29	0.693 0.683 0.676 0.696 0.703 0.674 0.673	>1,001 >1,002 >1,003 >1,004 >1,005 >1,006 >1,007	7.47 6.31 8.77 8.50 8.30 6.32	10.53 10.5 10.52 10.93 11.65 10.86	106 77 95 104 89 71	25.25 25.22 25.75 26.26 27.25 29.2	 	 			
925 928 931 935 939 942 945 952	7.09 7.15 7.07 7.14 7.23 7.16 7.14 7.29	0.693 0.683 0.676 0.696 0.703 0.674 0.673	>1,001 >1,002 >1,003 >1,004 >1,005 >1,006 >1,007	7.47 6.31 8.77 8.50 8.30 6.32	10.53 10.5 10.52 10.93 11.65 10.86	106 77 95 104 89 71	25.25 25.22 25.75 26.26 27.25 29.2	 	 			
925 928 931 935 939 942 945 952	7.09 7.15 7.07 7.14 7.23 7.16 7.14 7.29	0.693 0.683 0.676 0.696 0.703 0.674 0.673	>1,001 >1,002 >1,003 >1,004 >1,005 >1,006 >1,007	7.47 6.31 8.77 8.50 8.30 6.32	10.53 10.5 10.52 10.93 11.65 10.86	106 77 95 104 89 71	25.25 25.22 25.75 26.26 27.25 29.2	 	 			
925 928 931 935 939 942 945 952	7.09 7.15 7.07 7.14 7.23 7.16 7.14 7.29	0.693 0.683 0.676 0.696 0.703 0.674 0.673	>1,001 >1,002 >1,003 >1,004 >1,005 >1,006 >1,007	7.47 6.31 8.77 8.50 8.30 6.32	10.53 10.5 10.52 10.93 11.65 10.86	106 77 95 104 89 71	25.25 25.22 25.75 26.26 27.25 29.2	 	 			
925 928 931 935 939 942 945 952	7.09 7.15 7.07 7.14 7.23 7.16 7.14 7.29	0.693 0.683 0.676 0.696 0.703 0.674 0.673	>1,001 >1,002 >1,003 >1,004 >1,005 >1,006 >1,007	7.47 6.31 8.77 8.50 8.30 6.32	10.53 10.5 10.52 10.93 11.65 10.86	106 77 95 104 89 71	25.25 25.22 25.75 26.26 27.25 29.2	 	 			
925 928 931 935 939 942 945 952 955	7.09 7.15 7.07 7.14 7.23 7.16 7.14 7.29 7.26	0.693 0.683 0.676 0.696 0.703 0.674 0.673 0.671	>1,001 >1,002 >1,003 >1,004 >1,005 >1,006 >1,007 >1,008	7.47 6.31 8.77 8.50 8.30 6.32 6.52	10.53 10.5 10.52 10.93 11.65 10.86	106 77 95 104 89 71 60	25.25 25.22 25.75 26.26 27.25 29.2 29.85	 	 			
925 928 931 935 939 942 945 952 955	7.09 7.15 7.07 7.14 7.23 7.16 7.14 7.29	0.693 0.683 0.676 0.696 0.703 0.674 0.673 0.671	>1,001 >1,002 >1,003 >1,004 >1,005 >1,006 >1,007 >1,008	7.47 6.31 8.77 8.50 8.30 6.32 6.52	10.53 10.5 10.52 10.93 11.65 10.86	106 77 95 104 89 71 60	25.25 25.22 25.75 26.26 27.25 29.2 29.85	 N	 			
925 928 931 935 939 942 945 952 955	7.09 7.15 7.07 7.14 7.23 7.16 7.14 7.29 7.26	0.693 0.683 0.676 0.696 0.703 0.674 0.673 0.671	>1,001 >1,002 >1,003 >1,004 >1,005 >1,006 >1,007 >1,008	7.47 6.31 8.77 8.50 8.30 6.32 6.52	10.53 10.5 10.52 10.93 11.65 10.86	106 77 95 104 89 71 60 Sampling Ti	25.25 25.22 25.75 26.26 27.25 29.2 29.85 ime:	 N	 /A			
925 928 931 935 939 942 945 952 955	7.09 7.15 7.07 7.14 7.23 7.16 7.14 7.29 7.26	0.693 0.683 0.676 0.696 0.703 0.674 0.673 0.671	>1,001 >1,002 >1,003 >1,004 >1,005 >1,006 >1,007 >1,008	7.47 6.31 8.77 8.50 8.30 6.32 6.52	10.53 10.5 10.52 10.93 11.65 10.86	106 77 95 104 89 71 60	25.25 25.22 25.75 26.26 27.25 29.2 29.85 ime:	 N	 			
925 928 931 935 939 942 945 952 955 Total Quanti Samplers: Sampling Da	7.09 7.15 7.07 7.14 7.23 7.16 7.14 7.29 7.26 Atty of Water Researce:	0.693 0.683 0.676 0.696 0.703 0.674 0.673 0.671	>1,001 >1,002 >1,003 >1,004 >1,005 >1,006 >1,007 >1,008 	7.47 6.31 8.77 8.50 8.30 6.32 6.52	10.53 10.5 10.52 10.93 11.65 10.86 11.25	106 77 95 104 89 71 60 Sampling Ti Split Sample Sample Typ	25.25 25.22 25.75 26.26 27.25 29.2 29.85 ime: e With:	N N N				
925 928 931 935 939 942 945 952 955 Total Quanti Samplers: Sampling Da	7.09 7.15 7.07 7.14 7.23 7.16 7.14 7.29 7.26 ity of Water Re	0.693 0.683 0.676 0.696 0.703 0.674 0.673 0.671	>1,001 >1,002 >1,003 >1,004 >1,005 >1,006 >1,007 >1,008 	7.47 6.31 8.77 8.50 8.30 6.32 6.52	10.53 10.5 10.52 10.93 11.65 10.86	106 77 95 104 89 71 60 Sampling Ti Split Sample Sample Typ	25.25 25.22 25.75 26.26 27.25 29.2 29.85 ime: e With:	N N N				
925 928 931 935 939 942 945 952 955 Total Quanti Samplers: Sampling Da	7.09 7.15 7.07 7.14 7.23 7.16 7.14 7.29 7.26 ity of Water Re	0.693 0.683 0.676 0.696 0.703 0.674 0.673 0.671	>1,001 >1,002 >1,003 >1,004 >1,005 >1,006 >1,007 >1,008 	7.47 6.31 8.77 8.50 8.30 6.32 6.52	10.53 10.5 10.52 10.93 11.65 10.86 11.25	106 77 95 104 89 71 60 Sampling Ti Split Sample Sample Typ	25.25 25.22 25.75 26.26 27.25 29.2 29.85 ime: e With:	N N N				



Vell I.D.:			EA Personne	1:		GE FORM Client:				
4W-06			Hilary Williams / Robert Peterson			NYSDEC - Lackawanna Former Incinerator Site				
ocation:			Well Conditi		.13011	Weather:	ckawaina i oink	.i incinciator c	<u>/////////////////////////////////////</u>	
ackawanna, N	NΥ		Good	011.		sunny, ~35 de	orees F			
ounding M			Gauge Date:		7-Nov-12	Measuremen				
•		111/1/11			9:45	4	iit Kei.			
	Dipper Water Le	vei Meter	Gauge Time:		9:45	TOC				
Stick Up/Do	wn (ft):		PID Headspa	ice Reading:		Well Diame	ter (in):			
0.3 ft ≥0.3 ft			NA			2"				
bunga Datas					D. Times					
urge Date:					Purge Time:					
-Nov-12					10:00 Field Technici					
Purge Metho		1				an:				
vaterra pump	, hand surge, bai	ier			HW / RP					
				Well V	oluma					
Wall Dan	th (ft).		D Wall Valu		orume	Donth/Hoig	ht of Top of P	VC.		
v. Well Dep t 8.81	· · · (11).		D. Well Volu	ше (п).		Up ~2 ft.	in or rop or P	v C.		
8.81 B. Depth to V	Mator (ft).		E. Well Volu	ma (gal) (C*I	J)·	*				
5. Deptn to V .39	valer (II):		10.00	me (gai) (C'I	٠).	Pump Type:				
	epth (ft) (A-B):		F. Three Wel	l Volumes (~	(F2).	Whaler pump Pump Intak				
-	շբա (II) (A-D):		30.01	i voiumes (g	ai) (E3);	-	е Берии:			
1.42			50.01			N/A				
			TA.	Jator Oualita	y Parameters					
Time	рН	Conductivity	Turbidity	DO DO	Temperature	ORP	DTW	Rate	Volum	
(hrs)	(pH units)	(mS/cm)	(ntu)	(mg/L)	(°C)	(mV)	(ft btoc)	(Lpm)	(liters	
1007	7.32	1.07	>1,000	6.93	11.07	89	10.61	(Lpin)		
1011	7.32	1.06	>1,000	4.82	11.61	29	14.95			
1014	7.18	1.06	>1,000	4.99	12.61	33	16.72			
1017	7.16	1.04	>1,000	3.98	11.92	12	18.30			
1020	7.19	1.03	>1,000	4.83	11.39	7	19.29			
1023	7.19	0.952	>1,000	1.76	10.86	-56	19.53			
1028	7.19	0.941	>1,000	3.69	10.77	-48	19.88			
1031	7.29	0.976	>1,000	1.31	11.11	-72	19.71			
1036	7.2	0.993	>1,000	3.66	11.03	-44	20.12			
`039	7.22	1.01	>1,000	3.09	11.25	-25	20.11			
1042	7.26	1.03	>1,000	2.68	11.89	-24	20.51			
1045	7.2	0.988	>1,000	1.46	11.94	-48	22.85			
1051	7.25	0.978	>1,000	3.14	10.77	-55	23.3			
1054	7.22	0.97	>1,000	2.05	11.22	-77	24.61			
1057	7.26	0.95	>1,000	2.55	10.91	-94 110	25.75			
1100	7.27	0.974	>1,000	2.00	11.18	-110	26.82			
1104 1107	7.30 7.29	1.010 1.080	>1,000 >1,000	3.16 1.80	10.90 10.83	-90 -87	28.71 28.81			
1112	7.29	1.120	>1,000	3.09	10.83	-87 -89	28.97			
1114	7.55		· ·		ernight, continued			- 	<u> </u>	
1316	7.32	0.892	>1,000	4.46	11.41	37	13.55			
1321	7.23	0.829	>1,000	4.57	12.8	47	23.50			
1324	7.23	0.842	>1,000	4.57	13.29	54	23.77			
1327	7.22	0.843	>1,000	5.19	12.49	60	26.46			
				Well purged	dry at 1329					
									<u> </u>	
2-1-1-0	3	1/ 4				C 1'	<u> </u>	r -	<u> </u>	
-	ity of Water Re	emoved (gal):		-	-	Sampling Ti			I/A	
amplers:			HW/RP		_	Split Sample			I/A	
Sampling Da	ate:		N/A		-	Sample Typ	e:	N	I/A	



		1	GROUNDW	ATER SAN	APLING PURO	GE FORM						
Well I.D.:			EA Personne	1:		Client:						
MW-07			Hilary William	s / Robert Pet	erson NYSDEC - Lackawanna Former Incinerator Site							
Location:			Well Conditi	ion:	Weather:							
Lackawanna,	NY		Good			sunny, ~35 degrees F						
Sounding M	lethod:		Gauge Date:		7-Nov-12 Measurement Ref:							
Heron Skinny Dipper Water Level Meter Gauge Time:					11:26 TOC							
Stick Up/Down (ft): PID Headspace Reading:						Well Diame	ter (in):					
Down ~0.3 ft PID Headspace Reading:						2"	ter (III).					
D0WII ~0.3 II			NA			2						
D D. (D Ti							
Purge Date:					Purge Time:							
7-Nov-12					11:35							
Purge Meth					Field Technici	an:						
Hand pump u	ısing tubing from	waterra; bailer			HW / RP							
				Well V	olume							
A. Well Dep	oth (ft):		D. Well Volu	ıme (ft):		Depth/Heig	ht of Top of P	VC:				
27.15	()		0.35			Down ~0.3ft	1					
B. Depth to	Water (ft):		E. Well Volu	me (gal) (C*)	D)·	Pump Type:						
11.22	vuici (ii).		5.53	ine (gui) (e		Whaler pump						
	epth (ft) (A-B):		F. Three Wel	1 Volumes (c	ral) (F3).	Pump Intak						
C. Liquid D. 15.93	ерш (п) (А-Б).		16.60	i voiunies (g	3a1) (E3).	r unip miak	е Бериі.					
15.95			16.60									
			W	later Qualit	y Parameters							
Time	pН	Conductivity	Turbidity	DO	Temperature	ORP	DTW	Rate	Volume			
(hrs)	(pH units)	(mS/cm)	(ntu)	(mg/L)	(°C)	(mV)	(ft btoc)	(Lpm)	(liters)			
1140	6.68	1.27	>1,000	3.26	9.81	45	13.25					
1148	6.77	1.18	>1,000	6.77	9.33	32	13.91					
1151	6.72	1.2	>1,000	2.37	9.91	-28	14.95					
1200	6.77	1.15	>1,000	2.24	10.55	-64	14.61					
1205	6.75	1.22	>1,000	3.95	10.41	-7	17.55					
1208	6.66	1.22	>1,000	4.65	10.65	-5	17.75					
1212	6.7	1.3	>1,000	3.65	10.8	-14	18.32					
1215	6.71	1.3	>1,000	2.20	11.07	-35	19.38					
1218	6.73	1.16	>1,000	1.78	10.64	-69	21.1					
1222	6.76	1.11	>1,000	1.91	10.14	-99	22.21					
1225	6.76	1.09	>1,000	1.71	10.32	-118	23.15					
1228	6.78	1.1	>1,000	1.72	10.36	-123	24.22					
1232	6.8	1.07	>1,000	1.94	10.44	-123	25.38					
1235	6.85	1.04	>1,000	2.1	10.37	-98	25.8					
1238	6.84	1.01	>1,000	4.27	10.17	-98	25.88					
1243	6.92	0.991	>1,000	2	10.1	-89	25.45					
1246	7	0.998	>1,000	6.13	10.17	-21	25.8					
1249	7.02	0.974	>1,000	6.35	10.31	2	25.8					
1252	7.06	0.96	>1,000	6.03	9.91	11	25.8					
1256	7.09	0.964	>1,000	5.95	9.49	17	25.5					
1300	7.04	0.926	>1,000	4.01	9.93	-10	25.35					
1304	7.07	0.925	>1,000	3.63	9.61	-2						
	•	Well pur	ged dry. Let we	ell recharge ove	ernight, continued	purge on 11/8	3/2012		•			
1348	7.31	0.939	>1,000	5.42	10.92	83	14.65					
1351	7.17	0.926	>1,000	4.98	11.35	76	16.45					
1354	7.14	0.945	>1,000	4.2	11.63	64	19.34					
1357	7.1	0.982	>1,000	4.8	11.49	67	21.55					
1400	7.06	1	>1,000	6.84	11.28	77	23.83					
1403	7.08	1.03	>1,000	6.53	11.24	77	25.43					
1406	7.1	0.907	>1,000	5.58	11.09	67	26.31					
				Well pur	ged dry.							
Total Ouant	ity of Water Re	moved (gal):		-		Sampling T	ime:	N	I/A			
Samplers:		(8)	HW/RP		-	Split Sampl			/ [/A			
Samplers. Sampling D	ate.		N/A		_	Sample Typ			[/A			
Jamping D	att.		1N/ A		_	Sample Typ	· ·	N	/ A			
	C AND OPER	ON A THORIC		Tuta 1	-1	.11	Tand .	-t	1.6			
	S AND OBSEI				aterra pump - wor			sing tubing and	a foot			
		00, removed 2 baile				, let well recha	arge overnight					
11/0/2012: pt	arged using whal	er pump. Water m	iucii ciearer thai	n on 11///201								



GROUNDWATER SAMPLING PURC					_							
Vell I.D.:							Client:					
MW-08 Hilary Williams / Robert Peter					terson							
Location: Well Condition:						Weather:						
Lackawanna, NY Good						Sunny, ~30 de	_					
Sounding Method: Gauge Date:					8-Nov-12	Measureme	nt Ref:					
eron Skinny	y Dipper Water L	evel Meter	Gauge Time:		11:00	TOC						
ick Up/Do	own (ft):		PID Headspa	ce Reading:		Well Diame	ter (in):					
own ~0.3 ft			NA			2"						
urge Date:					Purge Time:							
Nov-12					11:03							
urge Meth	od:				Field Technicia	an:						
and surge a	nd whaler pump				HW / RP							
	* *				· ·							
				Well V	olume							
Mall De	ath (ft).		D 14/a11 1/a1		- Clume	Donth/II-!-	ht of Top of P	VC:				
. Well De _l	ym (rt):		D. Well Volu	me (It):		·	in or rop or P	v C.				
Booth to	TATatam (CI):		0.26	ma (~-1) (O*	D).	Down ~0.3 ft						
-	Water (ft):		E. Well Volu	ine (gai) (C*)	D):	Pump Type:						
).92	lomth (ft) (A D)		3.21	1 Wolson 4	701) (E2):	Whaler pump						
-	epth (ft) (A-B):		F. Three Well	ı voiumes (g	gai) (E3):	Pump Intak	e Deptn:					
2.13			9.62									
			W	ater Qualit	y Parameters							
Time	pН	Conductivity	Turbidity	DO	Temperature	ORP	DTW	Rate	Volum			
(hrs)	(pH units)	(mS/cm)	(ntu)	(mg/L)	(°C)	(mV)	(ft btoc)	(Lpm)	(liters			
1106	7.16	0.749	>1,000	3.97	12.39	-61	13.22					
1109	7.24	0.744	>1,000	1.85	11.44	-379	13.57					
1114	7.22	0.86	>1,000	4.57	13.09	-45	14.88					
1117	7.23	1.09	>1,000	4.62	12.64	-4						
1121	7.22	0.824	>1,000	2.27	12.16	-117	15.15					
1124	7.23	0.939	>1,000	3.10	12.69	-57	15.69					
1127	7.23	1	>1,000	2.70	12.06	-63	16.86					
1132	7.18	0.826	>1,000	2.77	11.81	-182	17.14					
1136	7.19	0.946	>1,000	2.68	12.5	-53	18.40					
1139	7.23	0.782	>1,000	2.36	11.85	-146	18.35					
1143	7.26	0.733	>1,000	2.52	11.98	-112	18.51					
1146	7.23	0.746	>1,000	2.70	11.75	-96	18.75					
1150	7.26	0.744	>1,000	3.81	11.06	-61	19.06					
1154	7.24	0.723	>1,000	2.31	11.84	-112	19.36					
1157	7.22	0.718	>1,000	2.38	11.78	-99	19.61					
1201	7.27	0.731	>1,000	3.01	11.58	-81	20.12					
1204	7.28	0.714	>1,000	4.40	12.8	-109	20.15					
1208	7.19	0.726	>1,000	2.39	11.52	-101	20.63					
1211	7.23	0.711	>1,000	3.10	11.41	-84	21.04					
1214	7.26	0.691	>1,000	3.06	11.57	-96	20.81					
1217	7.19	0.697	>1,000	3.02	11.47	-91	21.26					
1220	7.31	0.697	>1,000	4.73	11.33	-78	21.57					
1223	7.19	0.676	>1,000	2.90	11.71	-98	21.80					
1227	7.24	0.674	>1,000	3.01	12.16	-108	22.29					
1230	7.25	0.666	>1,000	2.91	11.98	-114	22.31					
	1								<u></u>			
otal Quan	tity of Water Re	emoved (gal):		-	_	Sampling T		N	I/A			
Samplers: HW/RP					_	Split Sampl	e With:	N	I/A			
amplers:	Nata.		N/A		=	Sample Typ	e:	N	I/A			
-	ate:				_	. ,1						
amplers: ampling D	vate:				_							
ampling D	rs AND OBSEI			Alternated be	tween hand surgi	ng and numpi	ng to clear botto	m of well. Pur	ged			