Surface Water Samples
Closed Landfills

Landfill	Location	Year	Date	Field Temp	DO	TDS	Ammonia	Nitrite-Nitrate	Chloride	Sulfate	COD	Phosphorus	Conductivity	Cyanide	Bicarb	Alkalinity	Carb	pH	Turbidity	Mercury	Calcium	Iron	Magnesium	Potassium	Sodium	Aluminum	Antimony	Arsenic	Barium	Beryllium	Boron	Cadmium	Chromium	Cobalt	Copper	Lead	Manganese	Nickel	Selenium	Silver	Strontium	Thallium	Vanadium	Zinc
Standards	MCL							10						0.2						0.0020							0.006	0.01	2	0.004		0.005	0.1						0.05			0.002		
	SMCL					500			250	250								6.5-8.5				0.3			250										1		0.05			0.1				5.00
	Action Level																																		1.3	0.015								
Carmical & Miamitown	#1	2001	9/20/2001			392	<1	2.27	68.2	47.3	<30	-	770	-	-	217	-	**8.51**	24.6	<0.0005	-	-	-	-	39.2	-	<0.004	<0.005	0.09	-		<0.0002	<0.02	-	<0.05	<0.005	-	<0.02	<0.005	-	-	<0.0015	-	<0.05
	#1	2002	7/16/2002			304	<1	0.213	80	36.7	<30	-	662	-	-	138	-	**8.72**	29	<0.0005	-	-	-	-	43.2	-	<0.004	<0.005	0.067	-		<0.0002	<0.02	-	<0.05	<0.005	-	<0.02	<0.005	-	-	<0.0015	-	<0.05
	#1	2003	10/8/2003			452	<1	3.28	56	61.8	<30	-	786	-	-	287	-	8.41	6.2	<0.0005	-	-	-	-	29.7	-	<0.004	<0.0025	0.077	-		<0.0002	<0.02	-	<0.05	<0.005	-	<0.02	<0.005	-	-	<0.0015	-	<0.05
	#1	2004	9/10/2004			**515**	<1	1.86	85.5	73.3	<30	-	889	-	-	241	-	8.35	8.65	<0.0002	-	-	-	-	53.2	-	<0.004	<0.0025	0.098	-		<0.0002	<0.02	-	<0.05	<0.005	-	<0.02	<0.005	-	-	<0.0015	-	<0.05
	#1	2005	9/22/2005			364	0.058	2.97	54.2	46.4	<30	-	663	-	-	193	-	8.16	9.31	<0.0005	-	-	-	-	33	-	<0.004	<0.003	0.081	-		<0.0002	<0.02	-	<0.05	<0.005	-	<0.02	<0.005	-	-	<0.001	-	<0.05
	#1	2006	9/15/2006			263	0.138	1.79	39.5	39	<30	-	538	-	-	168	-	7.84	23.8	<0.002	-	-	-	-	22.7	-	<0.004	<0.003	0.07	-		<0.0002	<0.02	-	<0.05	<0.005	-	<0.02	<0.005	-	-	<0.001	-	<0.05
	#1	2007	10/9/2007			**566**	<0.05	1.54	102	77	<50	-	880	-	-	266	-	8.28	11.9	<0.200	-	-	-	-	65.1	-	<0.001	<0.005	0.101	-		<0.0004	<0.002	-	<0.005	0.001	-	<0.0061	<0.005	-	-	<0.001	-	0.012
	#1	2008	10/30/2008			**583**	0.043	3.65	92.6	68.7	<15.9	-	893	-	-	240	-	**8.63**	3.85	<0.0000894	-	-	-	-	68.1	-	0.000499	0.00084	0.0925	-		<0.000043	<0.00024	-	0.00278	0.0003	-	0.00162	0.000711	-	-	<0.000017	-	0.011
	#1	2009	11/5/2009			390	0.095	2.2	56.3	46.4	14.4	-	698	-	-	250	-	8.36	15	<0.0000894	-	-	-	-	33.2	-	0.000175	0.000967	0.0822	-		<0.000043	<0.00024	-	0.00223	0.0008	-	0.00133	<0.00069	-	-	<0.000017	-	0.005
	#1	2010	9/16/2010			**562**	0.309	1.52	126	78.9	<50.0	0.334	996	-	245	260	<20.0	**8.73**	17	<0.0002	83.3	**0.428**	34.1	6.59	83.5	-	0.000314	0.00181	0.103	<0.0002		<0.0002	<0.002	0.000633	0.003	0.0007	**0.0527**	<0.005	<0.002	<0.0001	-	<0.0002	0.0017	0.007
	#1	2011	9/15/2011			494	0.068	1.65	92.3	61.9	<50	0.242	824	-	227	230	<20	**8.54**	6.3	<0.0002	72.0	**0.332**	30.3	5.15	59.3	-	<0.0004	<0.004	0.0981	<0.0004		<0.0004	<0.004	0.000642	0.00293	0.0008	0.0465	<0.006	<0.004	<0.0002	-	<0.0004	<0.008	<0.014
	#1	2012	9/13/2012			**956**	0.124	1.03	63.2	51	<50.0	0.413	624	-	179	184	<10.0	8.39	13	<0.0002	59.1	**0.596**	24.4	5.29	36.1	-	<0.0005	<0.004	0.0798	<0.0004		<0.0004	<0.004	0.000556	0.00267	0.0008	**0.0811**	<0.004	<0.004	<0.0002	-	<0.0004	<0.01	<0.009
	#1	2014	9/10/2014	24.4		456	<0.200	1.38	78.3	51	15.8	0.298	743	<0.01	230	245	15.5	**8.71**	7.3	<0.002	72.2	**0.576**	28.4	4.68	51.4	0.445	<0.002	<0.005	0.0918	<0.001	0.0985	<0.001	<0.002	<0.001	0.00275	<0.001	**0.0592**	0.00295	<0.005	<0.001	0.591	<0.002	<0.005	<0.020
	#1	2016	9/15/2016	24.5	8.30	440	<0.02	ND	66	42	12	0.29	660	<0.002	210	210	ND	8.3	14	<0.005	62	**0.46**	23	4.8	42	0.66	<0.03	<0.01	<0.1	<0.0004	<0.1	<0.005	<0.02	<0.025	<0.025	<0.015	<0.05	<0.05	<0.03	<0.01	0.45	<0.005	<0.05	<0.05
	#1	2018	10/1/2018			375	<0.2	3.31	42.2	32.1	10.1	0.29	617	<0.01	217	222	<5.0	8.3	27	<0.0002	67.8	**1.13**	24.8	5.77	24.7	1.14	<0.002	<0.005	0.0795	<0.001	<0.1	<0.001	<0.002	<0.001	0.00368	0.0013	0.046	0.00272	<0.005	<0.001	0.648	<0.001	<0.005	<0.02
	#1	2020	10/13/2020	20.3		435	<0.2	2.51	84.7	56.2	<10.0	0.385	869	<0.01	236	244	7.43	8.4	10.6	<0.0002	69	**0.412**	29.9	5.57	57.6	0.338	<0.002	<0.005	0.0857	<0.001	0.112	<0.001	<0.002	<0.001	0.00201	<0.001	0.0286	0.00285	<0.005	<0.001	0.675	<0.001	<0.005	<0.02
	#2	2001	9/20/2001			407	<1	2.48	67.4	57.3	<30	-	771	-	-	221	-	8.47	32	<0.0005	-	-	-	-	40	-	<0.004	<0.005	0.09	-		<0.0002	<0.02	-	<0.05	<0.005	-	<0.02	<0.005	-	-	<0.0015	-	<0.05
	#2	2002	7/16/2002			319	<1	0.203	78.4	35.8	47.4	-	667	-	-	127	-	8.48	34.4	<0.0005	-	-	-	-	43.8	-	<0.004	<0.005	0.069	-		<0.0002	<0.02	-	<0.05	<0.005	-	<0.02	<0.005	-	-	<0.0015	-	<0.05
	#2	2003	10/8/2003			454	<1	3.29	56.6	63.8	<30	-	793	-	-	300	-	8.42	6.7	<0.0005	-	-	-	-	29.7	-	<0.004	<0.0025	0.079	-		<0.0002	<0.02	-	<0.05	<0.005	-	<0.02	<0.005	-	-	<0.0015	-	<0.05
	#2	2004	9/10/2004			**517**	<1	1.9	89	63.6	<30	-	888	-	-	243	-	8.27	9.31	<0.0002	-	-	-	-	53.1	-	<0.004	<0.0025	0.097	-		<0.0002	<0.02	-	<0.05	<0.005	-	<0.02	<0.005	-	-	<0.0015	-	<0.05
	#2	2005	9/22/2005			369	<0.05	2.96	53.5	46.4	<30	-	667	-	-	193	-	8.12	15.8	<0.0002	-	-	-	-	33.7	-	<0.004	<0.003	0.08	-		<0.0002	<0.02	-	<0.05	<0.005	-	<0.02	<0.005	-	-	<0.001	-	<0.05
	#2	2006	9/15/2006			286	0.07	1.78	39.5	36.5	<30	-	542	-	-	170	-	7.86	29.3	<0.0002	-	-	-	-	23.1	-	<0.004	<0.003	0.074	-		<0.0002	<0.02	-	<0.05	<0.005	-	<0.02	<0.005	-	-	<0.001	-	<0.05
	#2							2007 to Present: Not Sampled																																				
	#3	2001	9/20/2001			427	<1	2.39	67.4	55.3	<30	-	771	-	-	234	-	8.45	50.1	<0.0005	-	-	-	-	38.9	-	<0.004	<0.005	0.094	-		<0.0002	<0.02	-	<0.05	<0.005	-	<0.02	<0.005	-	-	<0.0015	-	<0.05
	#3	2002	7/16/2002			323	<1	0.201	77	34.5	38.5	-	662	-	-	140	-	**8.78**	29.8	<0.0005	-	-	-	-	42.5	-	<0.004	<0.005	0.063	-		<0.0002	<0.02	-	<0.05	<0.005	-	<0.02	<0.005	-	-	<0.0015	-	<0.05
	#3	2003	10/8/2003			455	<1	3.44	56	63.4	<30	-	792	-	-	301	-	8.42	7.28	<0.0005	-	-	-	-	29.6	-	<0.004	<0.0025	0.078	-		<0.0002	<0.02	-	<0.05	<0.005	-	<0.02	<0.005	-	-	<0.0015	-	<0.05
	#3	2004	9/10/2004			**507**	<1	1.89	90.8	60.2	<30	-	888	-	-	236	-	8.31	11.1	<0.0002	-	-	-	-	53.9	-	<0.004	<0.0025	0.098	-		<0.0002	<0.02	-	<0.05	<0.005	-	<0.02	<0.005	-	-	<0.0015	-	<0.05
	#3	2005	9/22/2005			361	<0.05	2.93	52.8	46.8	<30	-	660	-	-	193	-	8.13	10.3	<0.0002	-	-	-	-	33.5	-	<0.004	<0.003	0.082	-		<0.0002	<0.02	-	<0.05	<0.005	-	<0.02	<0.005	-	-	<0.001	-	<0.05
	#3	2006	9/15/2006			289	0.1	1.76	39.2	37.3	<30	-	537	-	-	168	-	7.87	31	<0.0002	-	-	-	-	23.1	-	<0.004	<0.003	0.074	-		<0.0002	<0.02	-	<0.05	<0.005	-	<0.02	<0.005	-	-	<0.001	-	<0.05
	#3	2007	10/9/2007			**739**	<0.05	1.62	105	73.4	<50	-	845	-	-	244	-	8.28	15.6	<0.200	-	-	-	-	68.4	-	<0.001	<0.005	0.103	-		<0.0004	<0.002	-	<0.005	0.001	-	<0.0065	<0.005	-	-	<0.001	-	0.014
	#3	2008	10/30/2008			**632**	0.069	3.29	96.3	71.6	<15.9	-	849	-	-	248	-	**8.67**	5.7	<0.0000894	-	-	-	-	71	-	0.000444	0.000808	0.0935	-		<0.000043	<0.00024	-	0.00283	0.0004	-	0.00163	0.000723	-	-	<0.000017	-	0.009
	#3	2009	11/5/2009			419	0.18	2.08	55.2	45.9	<10.9	-	693	-	-	266	-	8.31	14	<0.0000894	-	-	-	-	32	-	0.000168	0.00113	0.0795	-		<0.000043	<0.00024	-	0.00223	0.0008	-	0.00143	<0.00069	-	-	<0.000017	-	0.005
	#3	2010	9/16/2010			**529**	0.111	1.59	126	77.9	<50.0	0.31	994	-	231	246	<20.0	**8.75**	19	<0.0002	81.3	**0.409**	34	6.9	82.4	-	0.000295	<0.003	0.101	<0.0002		<0.0002	<0.002	0.00059	0.00272	0.0006	0.0464	<0.005	<0.002	<0.0001	-	<0.0002	<0.002	0.005
	#3	2011	9/15/2011			469	0.074	1.69	93.6	63.5	<50.0	0.252	824	-	247	248	<20	8.49	9	<0.0002	71.0	**0.464**	29.8	5.2	58.1	-	<0.0004	<0.004	0.101	<0.0004		<0.0004	<0.004	0.000688	0.00297	0.0010	**0.0504**	<0.006	<0.004	<0.0002	-	<0.0004	<0.008	<0.014
	#3	2012	9/13/2012			380	0.097	1.34	61.5	50.4	<50.0	0.378	634	-	156	160	<10.0	8.4	13	<0.0002	56.7	**0.545**	23.8	5.03	38.3	-	<0.0005	<0.004	0.0826	<0.0004		<0.0004	<0.004	0.000511	0.00242	0.0008	0.0456	<0.004	<0.004	<0.0002	-	<0.0004	<0.01	<0.009
	#3	2014	9/10/2014	24.4		455	<0.200	1.36	78	50.6	24.7	0.35	746	<0.01	225	253	28.4	**8.7**	9.14	<0.0002	81.0	**0.729**	29.4	5	53.1	0.591	<0.002	<0.005	0.098	<0.001	0.1	<0.001	<0.002	<0.001	0.00272	0.0010	**0.0664**	0.00296	<0.005	<0.001	0.613	<0.002	<0.002	<0.020
	#3	2016	9/15/2016	23.7	8.30	440	<0.02	ND	65	41	8.7	0.3	660	<0.002	220	220	ND	8.1	13	<0.005	62.0	**0.73**	23	4.6	42	0.77	<0.03	<0.01	<0.1	<0.0004	<0.1	<0.005	<0.02	<0.025	<0.025	<0.015	<0.05	<0.05	<0.03	<0.01	0.1	<0.005	<0.05	<0.05
	#3	2018	10/1/2018			372	<0.2	3.33	41.9	32.5	10.1	0.303	619	<0.01	214	218	<5.0	8.3	23.3	<0.0002	69.6	**1.21**	25.8	5.98	25.1	1.23	<0.002	<0.005	0.0822	<0.001	<0.1	<0.001	<0.002	<0.001	0.00391	0.0014	0.0466	0.0028	<0.005	<0.001	0.66	<0.001	<0.005	<0.02
	#3	2020	10/13/2020	18.8		465	<0.2	2.49	84.6	55.9	<10.0	0.333	858	<0.01	238	246	7.72	8.4	7.05	<0.0002	69.2	0.217	29.7	5.48	57.6	0.19	<0.002	<0.005	0.0852	<0.001	0.122	<0.001	<0.002	<0.001	<0.002	<0.001	0.0223	0.00284	<0.005	<0.001	0.669	<0.001	<0.005	<0.02
Evans	#1	2011				Not Sampled																																						
	#1	2012	9/26/2012			420	0.151	2.28	121	46.1	<50.0	0.278	767	-	177	180	<10.0	8.24	8.2	<0.0002	64.1	**0.396**	21.3	5.56	54.3	-	<0.0002	<0.002	0.0564	<0.0002		<0.0002	<0.002	<0.02	<0.02	0.0004	0.0464	<0.01	<0.002	<0.04	-	<0.0002	<0.05	<0.05
	#1	2014	10/28/2014	15.4		416	<0.200	2.19	86.7	37.4	33.6	0.323	710	<0.01	209	209	<5.00	8.37	2.24	<0.0002	69.1	**1.21**	25.3	5.54	49.2	1.09	<0.002	<0.005	0.0701	<0.001	0.0676	<0.001	<0.002	<0.001	0.00254	0.0010	**0.0891**	<0.002	<0.005	<0.001	0.339	<0.002	<0.005	<0.020
	#1	2016	10/17/2016	19.1		490	<0.02	3.1	87	45	8.4	0.24	780	<0.20	-	250	-	8.2	5.3	<0.005	72.0	0.25	28	5.3	52	0.22	<0.03	<0.01	<0.1	<0.0004	<0.1	<0.005	<0.02	<0.004	<0.025	<0.015	<0.05	<0.05	<0.03	<0.01	0.4	<0.005	<0.05	0.130
	#1	2018	10/17/2018			383	<0.2	1.87	55.1	40.5	17.1	0.165	681	<0.01	238	238	<5.0	8.1	2.13	<0.0002	75.0	0.221	23.5	4.56	35	0.132	<0.002	<0.005	0.0639	<0.001	<0.1	<0.001	<0.002	<0.001	<0.002	<0.001	0.0323	<0.002	<0.005	<0.001	0.339	<0.001	<0.005	<0.02
	#1	2020	10/14/2020	16.5		420	<0.2	3.03	83.2	35.1	<10.0	0.376	757	<0.01	186	186	<5.0	8.2	8.3	<0.0002	60.0	**0.36**	19.9	5.78	52.1	0.215	<0.002	<0.005	0.0504	<0.001	<0.1	<0.001	<0.002	<0.001	0.00229	<0.001	**0.0529**	<0.002	<0.005	<0.001	0.249	<0.001	<0.005	<0.02
	#2	2011				Not Sampled																																						
	#2	2012	9/26/2012			416	0.113	2.45	105	57.4	<50.0	0.333	760	-	183	186	<10.0	8.08	8.5	<0.0002	67.3	**0.484**	21.8	5.96	55.7	-	<0.0002	<0.002	0.0603	<0.0002		<0.0002	<0.002	<0.02	<0.02	0.0005	**0.0535**	<0.01	<0.002	<0.04	-	<0.0002	<0.05	<0.05
	#2	2014	10/28/2014	15.4		427	<0.200	2.21	88	37.3	33.6	0.293	765	<0.01	210	210	<5.00	8.35	2.21	<0.0002	68.9	**0.451**	24.8	5.28	50	0.392	<0.002	<0.005	0.0634	<0.001	0.0655	<0.001	<0.002	<0.001	<0.002	<0.001	0.0445	<0.002	<0.005	<0.001	0.318	<0.002	<0.005	<0.020
	#2	2016	10/17/2016	19.1	11.77	**500**	<0.02	2.6	78	36	13	0.27	750	<0.20	-	260	-	8.1	6.1	<0.005	75	0.29	28	5.3	53	0.22	<0.03	<0.01	<0.1	<0.0004	<0.1	<0.005	<0.02	<0.004	<0.025	<0.015	<0.05	<0.05	<0.03	<0.01	0.41	<0.005	<0.05	0.072
	#2	2018	10/17/2018			365	<0.2	1.83	56	30.7	19.4	0.167	655	<0.01	227	236	8.65	8.3	2.79	<0.2	70.6	0.143	23.4	4.47	35.8	0.0864	<0.002	<0.005	0.0579	<0.001	<0.1	<0.001	<0.002	<0.001	<0.002	<0.001	0.0268	<0.002	<0.005	<0.001	0.347	<0.001	<0.005	<0.02
	#2	2020	10/14/2020	16.3		415	<0.2	3.02	87	33.5	<10.0	0.346	796	<0.01	193	193	<5.0	8.1	9.8	<0.0002	62.6	**0.425**	20.7	5.77	54.6	0.288	<0.002	<0.005	0.0542	<0.001	<0.1	<0.001	<0.002	<0.001	0.00226	<0.001	**0.0566**	<0.002	<0.005	<0.001	0.254	<0.001	<0.005	<0.02
Glendale	#1	2001	9/11/2001			**5,840**	<1	0.805	**3,400**	64.8	168	-	11980	-	-	244	-	7.55	10.9	<0.0005	-	-	-	-	**1790**	-	<0.004	0.006	0.079	-		0.0003	<0.02	-	<0.05	<0.005	-	<0.02	<0.005	-	-	<0.0015	-	<0.097
	#1	2002	8/27/2002			**1,130**	<1	0.504	**442**	115	<30	-	2100	-	-	199	-	7.92	2.42	<0.0005	-	-	-	-	**251**	-	<0.004	0.008	0.073	-		<0.0002	<0.02	-	<0.05	<0.005	-	<0.02	<0.005	-	-	<0.0015	-	0.078
	#1	2003	9/4/2003			**984**	<1	0.279	**298**	88.8	100	-	1660	-	-	278	-	7.52	5.72	<0.0005	-	-	-	-	174	-	<0.004	<0.005	0.079	-		<0.0002	<0.02	-	<0.05	<0.005	-	<0.02	<0.005	-	-	<0.0015	-	0.051
	#1	2004	8/24/2004			**15,700**	<1	0.205	**8,800**	146	998	-	2670	-	-	214	-	7.47	7.4	<0.0002	-	-	-	-	**5670**	**-**	**0.043**	<0.0096	0.147	-		**<0.0062**	<0.02	-	<0.115	<0.01	-	<0.02	<0.005	-	-	<0.0015	-	0.227
	#1	2005	8/18/2005			**5,400**	0.414	2.73	**2,520**	116	127	-	10600	-	-	260	-	7.48	369	<0.0002	-	-	-	-	**1740**	-	0.0043	0.0037	0.230	-		0.00024	<0.02	-	0.1	<0.005	-	<0.02	<0.005	-	-	<0.001	-	0.228
	#1	2006	8/31/2006			**2,700**	0.145	1.19	**1,040**	113	48.8	-	4370	-	-	223	-	7.79	3.19	-	-	-	-	-	**605**	-	<0.004	<0.003	0.108	-		<0.0002	<0.02	-	<0.05	<0.005	-	<0.02	<0.005	-	-	<0.001	-	0.090
	#1	2007	10/9/2007			**6,750**	0.194	0.508	**4,000**	78.9	223	-	11700	-	-	234	-	8.02	6.21	<0.2	-	-	-	-	**2320**	-	0.00127	<0.006	0.178	-		<0.0025	<0.002	-	0.00856	<0.001	-	<0.007	<0.007	-	-	<0.001	-	0.052
	#1	2008	10/23/2008			**6,720**	0.15	0.0884	**4,450**	127	257	-	13200	-	-	254	-	7.4	8.54	<0.0002	-	-	-	-	**2450**	-	0.000441	<0.002	0.173	-		<0.0015	<0.002	-	0.0216	<0.0004	-	0.00724	<0.004	-	-	<0.0004	-	0.101
	#1	2009	11/9/2009			**3240**	0.244	0.854	**1690**	114	<50.0	-	5320	-	-	296	-	7.95	3.9	<0.0002	-	-	-	-	**868**	-	0.000514	<0.003	0.0976	-		<0.002	<0.002	-	<0.032	0.0006	-	<0.006	<0.003	-	-	<0.0002	-	0.027
	#1	2010	9/16/2010			**697**	0.0538	0.685	**286**	68	62.7	0.138	1250	-	107	107	<10.0	7.77	8.9	<0.0002	54.6	**0.514**	14.8	4.18	173	-	0.00208	0.00204	0.0458	<0.0002		<0.0002	<0.002	0.0003	0.00619	0.0003	**0.0688**	<0.004	<0.002	<0.0001	-	<0.0002	<0.001	0.053
	#1	2011	9/15/2011			**673**	0.101	0.311	**278**	54.1	<50.0	<0.1	1240	-	158	158	<20.0	7.73	3.9	<0.0002	63.5	0.207	20.1	3.36	181	-	0.000953	<0.004	0.0492	<0.0004		<0.0004	<0.004	<0.0004	<0.004	<0.0004	**0.0575**	<0.005	<0.004	<0.0002	-	<0.0004	<0.008	0.047
	#1	2012	9/20/2012			**5060**	0.209	0.425	**4040**	117	154	0.135	10700	-	258	260	<10.0	8.23	2.8	<0.0002	136.0	0.644	47.7	15.6	**2300**	-	<0.0008	<0.008	0.109	<0.0008		<0.0024	<0.008	<0.08	<0.08	<0.0008	**0.207**	<0.04	<0.008	<0.16	-	<0.0008	<0.08	1.400
	#1	2014	10/28/2014	15.4		**1850**	<0.200	0.158	**946**	93.5	<10.0	0.176	3310	<0.01	249	249	<5.00	7.83	3.86	<0.0002	148	**1.21**	52.6	6.87	**465**	0.425	<0.002	<0.005	0.128	<0.001	0.112	<0.001	<0.002	<0.001	0.00367	0.0011	**0.47**	0.00211	<0.005	<0.001	1.18	<0.002	<0.005	0.056
	#1	2016	9/15/2016	19.4	7.28	**1000**	<0.02	ND	**370**	60	13	0.082	1600	<0.002	250	250	ND	7.6	2.5	<0.005	85	**0.32**	26	3.6	200	0.59	<0.03	<0.01	<0.1	<0.0004	<0.10	<0.005	<0.02	<0.025	<0.025	<0.015	**0.092**	<0.05	<0.03	<0.01	0.52	<0.005	<0.05	<0.05
	#1	2018	10/1/2018			**1110**	0.204	1.54	**496**	88.3	<10.0	<0.1	1990	<0.01	269	269	<5.0	7.9	2.51	<0.0002	112	0.239	36.4	4.49	258	<0.05	**0.00975**	<0.005	0.08	<0.001	0.145	<0.001	<0.002	<0.001	<0.002	<0.001	**0.0806**	<0.002	<0.005	<0.001	0.741	<0.001	<0.005	0.424
	#1	2020	10/14/2020	14.7		**1010**	<0.20	1.06	**446**	94	15	0.167	2110	0.0102	231	231	<5.0	8	3.05	<0.0002	91.2	**0.357**	29.8	5.61	**266**	<0.05	<0.002	<0.005	0.0719	<0.001	0.148	<0.001	<0.002	<0.001	<0.002	<0.001	**0.116**	<0.002	<0.005	<0.001	0.674	<0.001	<0.005	0.049
	#2	2001	9/11/2001			429	<1	0.384	108	31.8	<30	-	697	-	-	179	-	8.34	0.8	<0.0005	-	-	-	-	43	-	<0.004	<0.005	<0.05	-		<0.0002	<0.02	-	<0.05	<0.005	-	<0.02	<0.005	-	-	<0.0015	-	<0.05
	#2	2002	8/27/2002			458	<1	0.153	105	61.6	<30	-	791	-	-	185	-	**8.61**	<1	<0.0005	-	-	-	-	55.5	-	<0.004	<0.005	<0.05	-		<0.0002	<0.02	-	<0.05	<0.005	-	<0.02	<0.005	-	-	<0.0015	-	<0.05
	#2	2003	9/4/2003			455	<1	1.21	74.7	30.7	<30	-	807	-	-	258	-	7.94	2.61	<0.0005	-	-	-	-	42.7	-	<0.004	<0.005	0.057	-		<0.0002	<0.02	-	<0.05	<0.005	-	<0.02	<0.005	-	-	<0.0015	-	<0.05
	#2	2004	8/24/2004			**9870**	<1	<0.05	**5,800**	85.7	<310	-	1710	-	-	259	-	8.35	3.6	<0.0002	-	-	-	-	**3430**	-	<0.004	0.0084	0.231	-		0.0034	<0.02	-	<0.05	<0.005	-	<0.02	<0.005	-	-	<0.0015	-	<0.05
	#2	2005	8/18/2005			**1,120**	0.149	0.635	**504**	49.8	50.2	-	2100	-	-	164	-	7.66	475	<0.0002	-	-	-	-	**311**	**-**	**0.0073**	0.0074	0.061	-		<0.0002	<0.02	-	<0.05	<0.005	-	<0.02	<0.005	-	-	<0.001	-	<0.05
	#2	2006	8/31/2006			**1,360**	0.177	0.81	**563**	84.1	33.5	-	2540	-	-	227	-	7.75	2.82	-	-	-	-	-	**341**	-	0.0054	0.0037	0.092	-		<0.0002	<0.02	-	<0.05	<0.005	-	<0.02	<0.005	-	-	<0.001	-	<0.05
	#2	2007	10/9/2007			**5,040**	0.097	0.0533	**2900**	124	163	-	9190	-	-	282	-	8.17	4.86	<0.2	-	-	-	-	**1610**	-	<0.001	<0.006	0.234	-		<0.002	<0.002	-	<0.018	<0.001	-	<0.008	<0.008	-	-	<0.001	-	<0.14
	#2	2008	10/23/2008			**7,200**	0.103	<0.02	**4440**	60.9	270	-	13200	-	-	280	-	7.95	4.52	<0.0002	-	-	-	-	**2420**	-	0.000581	<0.002	0.303	-		<0.0016	<0.002	-	<0.011	<0.0004	-	<0.01	<0.004	-	-	<0.0004	-	<0.01
	#2	2009	11/9/2009			**3,470**	0.07	0.182	**1,880**	89.9	<50.0	-	5770	-	-	338	-	8.38	6.5	<0.0002	-	-	-	-	**1050**	-	0.000343	0.00276	0.127	-		<0.002	<0.002	-	<0.027	0.0002	-	<0.007	<0.003	-	-	<0.0002	-	0.010
	#2	2010	9/16/2010			441	0.127	0.751	165	56.1	75.9	0.141	816	-	75	75	<10.0	7.67	7.6	<0.0002	40.1	**0.415**	9.83	4.28	116	-	0.00264	0.00254	0.031	<0.0002		<0.0002	<0.002	<0.0002	0.00549	0.0004	0.0305	<0.003	<0.002	<0.0001	-	<0.0002	<0.001	0.029
	#2	2011	9/15/2011			**705**	0.069	0.123	**380**	16.9	<50	<0.1	1390	-	108	108	<10.0	7.04	5.2	<0.0002	34.4	**0.494**	8.59	3.25	**257**	-	0.00103	<0.004	0.038	<0.0004		<0.0004	<0.004	<0.0004	<0.004	0.0008	**0.0725**	<0.004	<0.004	<0.0002	-	<0.0004	<0.008	0.021
	#2	2012	9/20/2012			**1,860**	0.072	0.0425	**1,160**	102	<50.0	<0.1	3760	-	158	160	<10.0	8.47	<1.0	<0.0002	112.0	<0.1	36	8.27	**626**	-	0.000867	<0.004	0.102	<0.0004		<0.0008	<0.004	<0.02	<0.02	<0.0004	0.0266	<0.01	<0.004	<0.04	-	<0.0004	<0.05	<0.05
	#2	2014	10/28/2014	16.4		**1450**	<0.200	<0.0500	**659**	73.1	18.5	0.138	2610	<0.01	272	272	<5.00	7.82	1.84	<0.0002	124	**0.314**	38.5	6.68	**347**	<0.05	<0.002	<0.005	0.104	<0.001	0.0958	<0.001	<0.002	<0.001	<0.002	<0.001	**0.336**	<0.002	<0.005	<0.001	0.783	<0.002	<0.005	<0.020
	#2	2016	9/15/2016	20.0	8.58	**660**	<0.02	ND	190	49	11	0.1	1100	<0.002	230	230	ND	7.9	2.8	<0.005	72	**0.3**	20	4.4	120	0.49	<0.03	<0.01	<0.1	<0.0004	0.11	<0.005	<0.02	<0.025	<0.025	<0.015	<0.05	<0.05	<0.03	<0.01	0.37	<0.005	<0.05	<0.05
	#2	2018	10/1/2018			**862**	<0.2	0.495	**279**	61.2	<10.0	<0.1	1490	<0.01	310	310	<5.0	8.1	1.63	<0.0002	116	0.173	32.8	5.27	169	<0.05	<0.002	<0.005	0.0802	<0.001	0.153	<0.001	<0.002	<0.001	<0.002	<0.001	**0.0663**	<0.002	<0.005	<0.001	0.597	<0.001	<0.005	<0.02
	#2	2020	10/14/2020	14.5		**518**	<0.2	<0.05	198	47.9	16.1	<0.1	1090	<0.01	164	164	<5.0	8.1	2.09	<0.0002	57.9	<0.1	15.5	3.9	119	<0.05	<0.002	<0.005	0.044	<0.001	<0.1	<0.001	<0.002	<0.001	<0.002	<0.001	0.0236	<0.002	<0.005	<0.001	0.279	<0.001	<0.005	<0.02
Greenhills	#1	2001	9/13/2001			**696**	<1	<0.05	101	31.8	37.1	-	1240	-	-	421	-	8	5.69	<0.0005	-	-	-	-	72.9	-	<0.004	<0.005	0.075	-		<0.0002	<0.02	-	<0.05	<0.005	-	<0.02	<0.005	-	-	<0.0015	-	<0.05
	#1	2002				Not Sampled - Dry																																						
	#1	2003	8/14/2003			**598**	<1	0.307	80.8	34.5	32.5	-	1100	-	-	410	-	7.76	2.99	<0.0005	-	-	-	-	49.2	-	<0.004	<0.005	0.062	-		<0.0002	<0.02	-	<0.05	<0.005	-	<0.02	<0.005	-	-	<0.0015	-	<0.05
	#1	2004	7/28/2004			**604**	<1	0.597	92	38.2	<30	-	1040	-	-	375	-	7.73	2.24	<0.0002	-	-	-	-	57.4	-	<0.004	<0.0025	0.054	-		<0.0002	<0.02	-	<0.05	<0.005	-	<0.02	<0.005	-	-	<0.0015	-	<0.05
	#1	2005	9/22/2005			**661**	<0.05	0.306	77.9	40.9	32.5	-	1120	-	-	432	-	7.94	4.06	<0.0002	-	-	-	-	54.7	-	<0.004	<0.003	0.068	-		<0.0002	<0.02	-	<0.05	<0.005	-	<0.02	<0.005	-	-	<0.001	-	<0.05
	#1	2006	8/31/2006			**635**	0.118	1.49	91.2	58	<30	-	1,020	-	-	313	-	7.91	2.95	-	-	-	-	-	73.2	-	<0.004	<0.003	0.064	-		<0.0002	<0.02	-	<0.05	<0.005	-	<0.02	<0.005	-	-	<0.001	-	<0.05
	#1	2007				Not Sampled - Dry																												-										
	#1	2008				Not Sampled - Dry																																						
	#1	2009	11/9/2009			**836**	0.158	0.226	107	50.1	<50	-	1,710	-	-	450	-	7.8	3	<0.0002	-	-	-	-	53.1	-	<0.0002	<0.002	0.062	-		<0.0002	<0.002	-	<0.002	<0.002	-	<0.006	<0.002	-	-	<0.0002	-	<0.004
	#1	2010	9/16/2010			**702**	0.116	1.41	238	43	<50.0	0.28	1,270	-	221	222	<20.0	7.49	4	<0.0002	80.2	0.201	16.3	3.32	154	-	0.00558	<0.002	0.065	<0.0002		<0.0002	<0.002	0.00049	<0.004	0.0003	**0.26**	<0.004	<0.002	<0.0001	-	<0.0002	<0.001	0.011
	#1	2011	9/15/2011			**543**	0.255	0.8	110	53.5	<50	0.189	951	-	274	274	<20.0	7.79	5.8	<0.0002	83.8	0.276	18	4.37	84.6	-	0.00107	<0.004	0.0525	<0.0004		<0.0004	<0.004	0.00043	0.00412	<0.0004	**0.0667**	<0.005	<0.004	<0.0002	-	<0.004	<0.008	<0.014
	#1	2012	9/13/2012			**644**	0.085	1.08	116	43.6	<50.0	0.173	997	-	274	278	<10.0	7.82	2.2	<0.0002	92.6	0.13	18.2	3.47	99.5	-	0.000822	<0.004	0.0566	<0.0004		<0.0004	<0.004	<0.0004	<0.003	<0.0004	**0.0629**	<0.003	<0.004	<0.0002	-	<0.0004	<0.01	<0.008
	#1	2014	9/10/2014	23.9		**1040**	<0.200	3.07	**371**	53	19.6	0.401	1720	<0.01	304	304	<5.00	7.52	2.12	<0.0002	123	0.183	21.9	31.9	**264**	0.101	0.00226	<0.005	0.0907	<0.001	0.112	<0.001	<0.002	<0.001	0.00285	<0.001	**0.205**	<0.002	<0.005	<0.001	0.389	<0.002	<0.005	<0.020
	#1	2016	5/16/2016			**630**	0.023	0.77	96	62	17	0.18	960	<0.005	290	290	<10.0	7.6	9.6	<0.005	100	**0.52**	21	3.1	57	0.43	<0.005	<0.005	0.05	<0.002	0.079	<0.002	<0.005	<0.005	<0.005	<0.005	**0.086**	<0.005	<0.005	<0.005	0.4	<0.005	<0.005	<0.01
	#1	2018	10/1/2018			**658**	<0.2	1.05	111	48.9	10.8	0.229	1100	<0.01	388	388	<5.0	8	5.09	<0.0002	130	**0.451**	27.4	6.16	73.7	0.262	<0.002	<0.005	0.0666	<0.001	0.147	<0.001	<0.002	<0.001	0.00213	<0.001	**0.178**	<0.002	<0.005	<0.001	0.471	<0.001	<0.005	<0.02
	#1	2020	10/13/2020	18.3		438	<0.2	1.13	71.5	75.7	11.9	0.107	796	<0.01	208	208	<5.0	7.6	8.51	<0.0002	84.1	**0.4**	16.2	2.57	54.9	0.234	<0.002	<0.005	0.0583	<0.001	0.112	<0.001	<0.002	0.00101	0.00278	0.0013	**0.332**	<0.002	<0.005	<0.001	0.292	<0.001	<0.005	<0.02
	Seep	2016	5/16/2016			**940**	0.97	ND	68	11	220	4.1	1300	<0.005	650	650	<10.0	6.5	880	<0.005	270	**1200**	50	18	68	36	<0.1	<0.1	**2.4**	<0.04	<0.4	<0.04	<0.1	<0.1	<0.1	**0.23**	**3**	<0.1	<0.1	<0.1	1.6	<0.1	<0.1	2.3

"-" Paramiter not sampled for

Surface Water Samples
Closed Landfills

Landfill	Location	Year	Date	Field Temp	DO	TDS	Ammonia	Nitrite-Nitrate	Chloride	Sulfate	COD	Phosphorus	Conductivity	Cyanide	Bicarb	Alkalinity	Carb	pH	Turbidity	Mercury	Calcium	Iron	Magnesium	Potassium	Sodium	Aluminum	Antimony	Arsenic	Barium	Beryllium	Boron	Cadmium	Chromium	Cobalt	Copper	Lead	Manganese	Nickel	Selenium	Silver	Strontium	Thallium	Vanadium	Zinc
Standards	MCL							10						0.2						0.002							0.006	0.01	2	0.004		0.005	0.1						0.05			0.002		
	SMCL					500			250	250								6.5-8.5				0.3			250										1		0.05			0.1				5.00
	Action Level																																		1.3	0.015								
Lockland Incinerator	#1	2001	9/13/2001			159	<1	0.188	47.1	26.4	39.9	-	365	-	-	101	-	7.83	8.48	<0.0005	-	-	-	-	20.1		<0.004	<0.005	0.05	-		<0.0002	<0.02	-	<0.05	<0.005	-	<0.02	<0.005	-		<0.0015	-	<0.05
	#1	2002	6/18/2002			194	<1	0.242	24.1	11.2	<30	-	360	-	-	121	-	7.94	19.3	<0.0005	-	-	-	-	15.3		<0.004	<0.005	<0.05	-		<0.0002	<0.02	-	<0.05	<0.005	-	<0.02	<0.005	-		<0.002	-	
	#1	2003	8/14/2003			237	<1	0.616	41	22.4	<30	-	459	-	-	126	-	7.49	6.67	<0.0005	-	-	-	-	22.6		<0.004	<0.005	<0.05	-		<0.0002	<0.02	-	<0.05	<0.005	-	<0.02	<0.005	-		<0.0015	-	<0.05
	#1	2004	7/28/2004			210	<1	0.632	42.6	20.6	<30	-	404	-	-	104	-	7.79	14.7	<0.0002	-	-	-	-	24.4		<0.004	<0.0025	<0.05	-		<0.0002	<0.02	-	<0.05	<0.005	-	<0.02	<0.005	-		<0.0015	-	<0.05
	#1	2005	9/15/2005			255	0.109	0.417	47.4	22	<30	-	438	-	-	108	-	7.85	2.77	<0.0002	-	-	-	-	29.7		<0.004	0.0039	0.051	-		<0.0002	<0.02	-	<0.05	<0.005	-	<0.02	<0.005	-		<0.001	-	<0.05
	#1	2006	10/3/2006			176	<1	0.63	32.2	30.1	<30	-	373	-	-	104	-	7.89	7.1	<0.0002	-	-	-	-	20		<0.004	<0.003	<0.05	-		<0.0002	<0.02	-	<0.05	<0.005	-	<0.02	<0.005	-		<0.001	-	<0.05
	#1	2007	10/11/2007			327	0.123	0.101	82	26.6	<50	-	609	-	-	190	-	7.63	5.11	<0.2	-	-	-	-	48		<0.001	<0.005	0.0721	-		<0.0004	<0.002	-	<0.005	0.00122	-	<0.005	<0.005	-		<0.001	-	0.012
	#1	2008	10/16/2008			232	0.155	0.0639	50.5	18.7	<15.9	-	492	-	-	140	-	7.76	2.31	<0.0000894	-	-	-	-	32.5		0.000276	0.00231	0.0564	-		<000043	<0.00024	-	0.00179	0.00071	-	0.00097	<0.00069	-		<0.000017	-	0.008
	#1	2009	11/5/2009			299	0.087	0.154	50.4	28.8	<10.9	-	503	-	-	170	-	8.12	3.4	<0.0000895	-	-	-	-	32.4		0.000188	<0.00072	0.0337	-		<0.000043	<0.00024	-	0.00191	0.000269	-	0.00043	<0.00070	-		<0.000018	-	0.002
	#1	2010	9/23/2010			431	0.416	0.0905	88.6	40.1	<50.0	0.106	644	-	162	162	<20.0	7.67	5.1	<0.0002	64.1	0.28	17.1	6.31	51		0.00127	0.00286	0.0843	<0.0002		<0.0002	<0.002	0.000322	0.00363	0.000784	**0.703**	<0.004	<0.0025	<0.0001		<0.0002	<0.004	0.009
	#1	2011	9/22/2011			188	0.075	0.301	38.6	18.3	<50.0	<0.1	381	-	110	110	<20.0	7.79	6.8	<0.0002	41.0	**0.315**	7.07	2.61	23.2		0.000355	<0.0025	0.0322	<0.0002		<0.0002	<0.002	0.000222	0.00167	0.000553	**0.05**	<0.002	<0.002	<0.0001		<0.0002	<0.004	<0.005
	#1	2013	9/13/2013	23.9		294	<0.200	0.172	54.7	21.4	10.8	0.147	514	<0.01	168	168	<5.00	7.81	0.96	<0.0002	57.8	0.298	13.2	3.9	35.2	0.0895	<0.002	<0.005	0.0622	<0.001	0.0632	<0.001	<0.002	<0.001	0.00433	<0.001	**0.18**	<0.002	<0.005	<0.001	0.215	<0.002	<0.005	<0.02
	#1	2015	10/13/2015	17.4	6.5	266	0.363	0.421	59.9	26.5	23.9	0.177	489	<0.01	141	141	<5.00	7.59	6.93	<0.0002	45.9	**0.419**	10.3	4.3	34.9	0.262	<0.002	<0.005	0.0409	<0.001	0.0596	<0.001	<0.002	<0.001	0.00476	0.00141	**0.11**	<0.002	<0.005	<0.001	0.177	<0.002	<0.005	<0.02
	#1	2017	10/18/2017			265	<0.200	0.109	40.6	24.8	14	<0.100	483	<0.01	158	158	<5.00	8	6.56	<0.0002	55.5	0.177	10.6	2.93	24.4	0.0569	<0.002	<0.005	0.0431	<0.001	<0.2	<0.001	<0.002	<0.001	<0.002	<0.001	0.0473	<0.002	<0.005	<0.001	0.185	<0.001	<0.005	<0.02
	#1	2019	10/23/2019	11.6		426	<0.200	0.175	104	50	<10.0	<0.100	778	<0.01	163	163	<5.00	7.8	2.68	<0.0002	66.8	0.259	18.6	5.66	61	0.0534	<0.002	<0.005	0.0668	<0.001	<0.100	<0.001	<0.002	<0.001	<0.002	<0.001	**0.0981**	<0.002	<0.005	<0.001	0.325	<0.001	<0.005	<0.02
	#1	2021	10/13/2021	18.7		228	<0.200	0.197	45.3	21.7	15.8	0.125	416	<0.01	128	128	<5.00	7.8	7.02	<0.0002	43.4	**0.402**	9.31	3.08	27.4	0.211	<0.002	<0.005	0.0418	<0.001	<0.100	<0.001	<0.005	<0.001	<0.002	<0.001	**0.133**	<0.002	<0.005	<0.001	0.169	<0.001	<0.005	<0.02
	#2	2001	9/13/2001			163	<1	0.191	53.9	15.2	<30	-	366	-	-	113	-	7.91	6.81	<0.0005	-	-	-	-	20.2	-	<0.004	<0.005	<0.05	-	-	<0.0002	<0.02	-	<0.05	<0.005	-	<0.02	<0.005	-	-	<0.0015	-	<0.05
	#2	2002	6/18/2002			196	<1	0.236	24.8	15.5	<30	-	362	-	-	121	-	8.00	17.6	<0.0005	-	-	-	-	15.8	-	<0.004	<0.005	<0.05	-	-	<0.0002	<0.02	-	<0.05	<0.005	-	<0.02	<0.005	-	-	<0.002	-	
	#2	2003	8/14/2003			246	<1	0.623	40.3	22.8	<30	-	460	-	-	139	-	7.76	15	<0.0005	-	-	-	-	21.9	-	<0.004	<0.005	<0.05	-	-	<0.0002	<0.02	-	<0.05	<0.005	-	<0.02	<0.005	-	-	<0.0015	-	<0.05
	#2	2004	7/28/2004			215	<1	0.643	41.3	21.4	<30	-	405	-	-	100	-	7.83	14.3	<0.0002	-	-	-	-	25.1	-	<0.004	<0.0025	<0.05	-	-	<0.0002	<0.02	-	<0.05	<0.005	-	<0.02	<0.005	-	-	<0.0015	-	<0.05
	#2	2005	9/15/2005			249	0.093	0.417	44	22.1	<30	-	438	-	-	108	-	7.93	2.45	<0.0002	-	-	-	-	30	-	<0.004	0.0037	0.050	-	-	<0.0002	<0.02	-	<0.05	<0.005	-	<0.02	<0.005	-	-	<0.001	-	<0.05
	#2	2006	10/3/2006			190	<1	0.66	30.8	26	<30	-	372	-	-	104	-	7.9	5.88	<0.0002	-	-	-	-	19.9	-	<0.004	<0.003	<0.05	-	-	<0.0002	<0.02	-	<0.05	<0.005	-	<0.02	<0.005	-	-	<0.001	-	<0.05
	#2	2007	10/11/2007			314	0.097	0.0974	82	28.9	<50	-	596	-	-	186	-	7.68	6.48	<0.2	-	-	-	-	47.8	-	<0.001	0.005	0.080	-	-	<0.0004	<0.002	-	<0.005	0.00223	-	<0.005	<0.005	-	-	<0.001	-	0.013
	#2							2008 to Present: Not Sampled																																				
	#3	2001	9/13/2001			208	<1	0.244	74.1	12.4	<30	-	360	-	-	104	-	8.01	4.48	<0.0005	-	-	-	-	20.1	-	<0.004	<0.005	<0.05	-	-	<0.0002	<0.02	-	<0.05	<0.005	-	<0.02	<0.005	-	-	<0.0015	-	<0.05
	#3	2002	6/18/2002			233	<1	0.244	26.1	12.7	<30	-	382	-	-	131	-	7.96	17	<0.0005	-	-	-	-	16.4	-	<0.004	<0.005	<0.05	-	-	<0.0002	<0.02	-	<0.05	<0.005	-	<0.02	<0.005	-	-	<0.002	-	
	#3	2003	8/14/2003			245	<1	0.636	41	22.8	<30	-	461	-	-	139	-	7.82	12.8	<0.0005	-	-	-	-	22.3	-	<0.004	<0.005	<0.05	-	-	<0.0002	<0.02	-	<0.05	<0.005	-	<0.02	<0.005	-	-	<0.0015	-	<0.05
	#3	2004	7/28/2004			214	<1	0.647	41.3	21	<30	-	406	-	-	106	-	7.93	11.4	<0.0002	-	-	-	-	25.4	-	<0.004	<0.0025	<0.05	-	-	<0.0002	<0.02	-	<0.05	<0.005	-	<0.02	<0.005	-	-	<0.0015	-	<0.05
	#3	2005	9/15/2005			249	0.119	0.582	44	22.6	<30	-	441	-	-	112	-	7.98	1.8	<0.0002	-	-	-	-	30.3	-	<0.004	0.0043	0.050	-	-	<0.0002	<0.02	-	<0.05	<0.005	-	<0.02	<0.005	-	-	<0.001	-	<0.05
	#3	2006	10/3/2006			194	<1	0.61	30.8	26	<30	-	375	-	-	102	-	7.97	4.76	<0.0002	-	-	-	-	20.8	-	<0.004	<0.003	<0.05	-	-	<0.0002	<0.02	-	<0.05	<0.005	-	<0.02	<0.005	-	-	<0.001	-	<0.05
	#3	2007	10/11/2007			290	0.058	<0.02	95	30.1	<50	-	605	-	-	168	-	7.65	5.42	<0.2	-	-	-	-	48	-	<0.001	<0.005	0.081	-	-	<0.0004	<0.002	-	<0.005	0.00113	-	<0.005	<0.005	-	-	<0.001	-	0.011
	#3	2008	10/16/2008			200	0.256	0.0287	49.9	20.3	<15.9	-	502	-	-	143	-	7.83	<1	<0.0000894	-	-	-	-	32.6	-	0.000365	0.00196	0.052	-	-	<0.000043	<0.00024	-	0.00286	0.00033	-	0.00068	<0.000690	-	-	<0.000017	-	0.004
	#3	2009	11/5/2009			291	0.062	0.163	50.5	29.3	<10.9	-	505	-	-	162	-	8.24	2.5	<0.0000895	-	-	-	-	31.9	-	0.000192	<0.00072	0.034	-	-	<0.000043	<0.00024	-	0.00195	0.000192	-	0.00049	<0.00069	-	-	<0.000017	-	0.002
	#3	2010	9/23/2010			**666**	0.228	0.11	229	30.3	<50.0	<0.10	1040	-	186	186	<20.0	7.64	5.6	<0.0002	49.7	0.228	15.9	5.87	131	-	0.000724	0.0033	0.115	<0.0002	-	<0.0002	<0.002	0.000657	0.00766	0.00108	**0.632**	<0.004	<0.002	<0.0001	-	<0.0002	<0.004	<0.009
	#3	2011	9/22/2011			210	0.084	0.235	36.8	17.3	<50.0	<0.1	349	-	104	104	<20.0	7.75	13	<0.0002	42.8	**0.962**	7.35	3.38	23.3	-	0.000458	<0.0025	0.036	<0.0002	-	<0.0002	<0.002	0.000496	0.00377	0.0036	**0.117**	<0.003	<0.002	<0.0001	-	<0.0002	<0.004	0.014
	#3	2013	9/12/2013	23.4		294	<0.200	0.182	47.8	16.7	16.1	0.134	491	<0.01	153	153	<5.00	7.80	7.06	<0.0002	49	0.202	11.4	4.05	32.7	0.117	<0.002	<0.005	0.053	<0.001	0.0688	<0.001	<0.002	<0.001	0.00493	0.00129	**0.199**	<0.002	<0.005	<0.001	0.21	<0.002	<0.005	<0.02
	#3	2015	10/13/2015	16.7	13.3	302	<0.2	1.94	69.4	5.39	24.9	0.574	558	<0.01	168	168	<5.00	7.83	2.18	<0.0002	52.9	0.212	12.5	4.14	41.2	0.105	<0.002	<0.005	0.0438	<0.001	0.0636	<0.001	<0.002	<0.001	0.00381	<0.001	**0.101**	<0.002	<0.005	<0.001	0.213	<0.002	<0.005	<0.02
	#3	2017	10/18/2017			292	<0.200	0.126	43.3	26.1	20.5	<0.100	499	<0.01	163	163	<5.00	8.20	5.2	<0.0002	55.3	0.138	11.1	3	26.1	<0.05	<0.002	<0.005	0.0436	<0.001	<0.2	<0.001	<0.002	<0.001	<0.002	<0.001	0.0165	<0.002	<0.005	<0.001	0.197	<0.001	<0.005	<0.02
	#3	2019	10/23/2019	12.1		378	<0.200	<0.05	84.1	44.5	10.7	<0.100	702	<0.01	167	167	<5.00	7.90	1.01	<0.0002	61.7	<0.10	16.4	5.88	46.1	<0.05	<0.002	<0.005	0.0542	<0.001	<0.1	<0.001	<0.002	<0.001	0.00332	<0.001	0.0307	<0.002	<0.005	<0.001	0.267	<0.001	<0.005	<0.02
	#3	2021	10/13/2021	18.2		241	<0.200	0.276	43.9	19.8	15.8	0.171	393	<0.01	127	127	<5.00	7.90	3.99	<0.0002	44.4	0.288	9.12	3.19	27.3	0.0873	<0.002	<0.005	0.0391	<0.001	<0.1	<0.001	<0.005	<0.001	0.00262	<0.001	0.0391	<0.002	<0.005	<0.001	0.166	<0.001	<0.005	<0.02
Lockland Shepherd Lane	#1	2001	9/11/2001			222	<1	0.056	47.1	10.4	<30	-	333	-	-	94.5	-	8.12	25	<0.0005	-	-	-	-	19	-	<0.004	<0.005	<0.05	-	-	<0.0002	<0.02	-	<0.05	<0.005	-	<0.02	<0.005	-	-	<0.0015	-	<0.05
	#1	2002	8/27/2002			387	<1	0.217	51	56.3	<30	-	611	-	-	138	-	7.36	4.15	<0.0005	-	-	-	-	39.6	-	<0.004	<0.005	<0.061	-	-	<0.0002	<0.02	-	<0.05	<0.005	-	<0.02	<0.005	-	-	<0.0015	-	<0.05
	#1	2003	9/24/2003			171	<1	0.201	26.2	19	<30	-	358	-	-	125	-	8.29	9.48	<0.0005	-	-	-	-	16.6	-	<0.004	<0.0025	<0.005	-	-	<0.0002	<0.02	-	<0.05	<0.005	-	<0.02	<0.005	-	-	<0.0015	-	<0.05
	#1	2004	7/28/2004			213	<1	0.566	41.3	20.1	<30	-	402	-	-	103	-	7.87	24.7	<0.0002	-	-	-	-	25.1	-	<0.004	<0.0025	<0.005	-	-	<0.0002	<0.02	-	<0.05	<0.005	-	<0.02	<0.005	-	-	<0.0015	-	<0.05
	#1	2005	9/15/2005			242	0.121	0.912	47.4	21	<30	-	423	-	-	106	-	7.77	3.67	<0.0002	-	-	-	-	28.8	-	<0.004	0.0034	<0.05	-	-	<0.0002	<0.02	-	<0.05	<0.005	-	<0.02	<0.005	-	-	<0.001	-	<0.05
	#1	2006	10/9/2006			237	<1	<0.5	42.9	30.9	<30	-	458	-	-	124	-	7.69	3.63	<0.0002	-	-	-	-	27.6	-	<0.004	<0.003	<0.05	-	-	<0.00020	<0.02	-	<0.05	<0.005	-	<0.02	<0.005	-	-	<0.001	-	<0.05
	#1	2007	10/11/2007			288	0.21	0.0321	96	28	<50	-	664	-	-	202	-	7.66	3.54	<0.2	-	-	-	-	57.8	-	<0.001	<0.005	0.0666	-	-	<0.0004	<0.002	-	<0.0005	<0.001	-	<0.005	<0.005	-	-	<0.001	-	0.0125
	#1	2008	10/23/2008			335	0.233	0.0236	75.9	17.6	<50	-	639	-	-	166	-	7.52	2.22	<0.0002	-	-	-	-	50.2	-	<0.0002	<0.003	0.055	-	-	<0.0002	<0.001	-	<0.001	<0.0002	-	<0.003	<0.002	-	-	<0.0002	-	0.0042
	#1	2009	11/5/2009			239	0.063	0.124	45.1	25.9	14.4	-	480	-	-	156	-	8.13	4	<0.0000894	-	-	-	-	29.1	-	0.000191	0.00088	0.0312	-	-	<0.000043	<0.00024	-	0.00153	0.000203	-	0.00051	<0.00069	-	-	<0.000017	-	0.0013
	#1	2010	9/23/2010			**698**	0.711	0.0389	195	38	<50.0	0.161	980	-	198	198	<20.0	7.67	2.3	<0.0002	69.8	0.201	17.4	5.46	109	-	0.00023	0.00492	0.103	<0.0002	-	<0.0002	<0.002	0.000449	<0.003	0.000349	**2.14**	<0.005	<0.002	<0.0001	-	<0.0002	<0.004	<0.005
	#1	2011	11/1/2011			190	0.133	0.461	28.9	19.1	<50.0	0.12	348	-	109	110	<10.0	8.08	16	<0.0002	40.8	**0.792**	7.47	2.72	20.2	-	0.000226	<0.002	0.0295	<0.0002	-	<0.0002	<0.002	0.000329	0.00205	0.000679	**0.0606**	<0.003	<0.002	<0.0001	-	<0.0002	<0.004	<0.006
	#1	2013	9/3/2013	24.0.		198	<0.200	0.119	32.9	11.4	27.7	0.136	365	<0.01	118	118	<5.00	8.17	10.1	<0.0002	38.4	**0.442**	7.16	2.98	22.5	0.389	<0.002	<0.005	0.0752	<0.001	0.032	<0.001	<0.002	<0.001	<0.002	<0.001	**0.121**	<0.002	<0.005	<0.001	0.125	<0.002	<0.005	<0.02
	#1	2015	10/13/2015	17.3	5.8	247	<0.2	0.191	52.5	18.3	24.9	0.148	429	<0.01	126	126	<5.00	7.63	3.64	<0.0002	118	**4.56**	50.4	<1.00	10.8	<0.05	<0.002	0.0102	0.0564	<0.001	0.0887	<0.001	<0.002	<0.001	<0.002	<0.001	**0.348**	<0.002	<0.005	<0.001	0.169	<0.002	<0.005	<0.02
	#1	2017	9/21/2017	20.2		180	<0.200	0.125	25.8	12.9	29.3	0.146	306	<0.01	109	109	<5.00	7.90	26.3	<0.0002	39.6	**2.17**	7.39	2.83	17.6	1.68	<0.002	<0.005	0.0739	<0.001	<0.200	<0.001	0.00219	0.00101	0.00488	0.00398	**0.34**	0.00264	<0.005	<0.001	0.133	<0.001	<0.005	<0.020
	#1	2019	10/23/2019	11.7		441	<0.200	<0.05	126	42.9	13.5	<0.10	899	<0.01	198	198	<5.00	7.90	1.74	<0.0002	66.8	0.263	17.1	4.98	75.4	0.147	<0.002	<0.005	0.0675	<0.001	<.100	<0.001	<0.002	<0.001	<0.001	<0.001	**0.188**	<0.002	<0.005	<0.001	0.267	<0.001	<0.005	<0.02
	#1	2021	10/13/2021	18.3		246	<0.200	0.194	48.5	18.6	14.8	<0.10	411	<0.01	134	134	<5.00	7.80	4.55	<0.0002	44.4	0.233	8.95	2.91	29.2	0.126	<0.002	<0.005	0.0398	<0.001	<0.10	<0.001	<0.005	<0.001	<0.002	<0.001	**0.112**	<0.002	<0.005	<0.001	0.164	<0.001	<0.005	<0.02
	#2	2001	9/11/2001			203	<1	0.053	60.6	11.4	<30	-	334	-	-	101	-	8.12	23.9	<0.0005	-	-	-	-	18.8	-	<0.004	<0.005	<0.05	-	-	<0.0002	<0.02	-	<0.05	<0.005	-	<0.02	<0.005	-	-	<0.0015	-	<0.05
	#2	2002	8/27/2002			392	<1	0.163	57.9	54.6	<30	-	690	-	-	174	-	7.86	2.49	<0.0005	-	-	-	-	44.5	-	<0.004	<0.005	0.061	-	-	<0.0002	<0.02	-	<0.05	<0.005	-	<0.02	<0.005	-	-	<0.0015	-	<0.05
	#2	2003	9/24/2003			132	<1	0.162	25.6	15.9	<30	-	362	-	-	134	-	8.16	15.8	<0.0005	-	-	-	-	17.2	-	<0.004	<0.0025	<0.005	-	-	<0.0002	<0.02	-	<0.05	<0.005	-	<0.02	<0.005	-	-	<0.0015	-	<0.05
	#2	2004	7/28/2004			233	<1	0.58	42.6	22.8	<30	-	412	-	-	106	-	8.07	24.2	<0.0002	-	-	-	-	25.2	-	<0.004	<0.0025	<0.005	-	-	<0.0002	<0.02	-	<0.05	<0.005	-	<0.02	<0.005	-	-	<0.0015	-	<0.05
	#2	2005	9/15/2005			257	0.098	0.61	40.6	24.5	<30	-	447	-	-	114	-	8.00	2.69	<0.0002	-	-	-	-	29.1	-	<0.004	0.0033	<0.05	-	-	<0.0002	<0.02	-	<0.05	<0.005	-	<0.02	<0.005	-	-	<0.001	-	<0.05
	#2	2006	10/9/2006			275	<1	<0.5	42.9	33.8	<30	-	479	-	-	126	-	7.84	3.44	<0.0002	-	-	-	-	30.2	-	<0.004	<0.003	<0.05	-	-	<0.02	<0.02	-	<0.05	<0.005	-	<0.02	<0.005	-	-	<0.001	-	<0.05
	#2	2007	10/11/2007			**576**	0.108	0.194	150	58	<50	-	940	-	-	222	-	7.62	4.13	<0.2	-	-	-	-	98	-	<0.001	<0.005	0.0895	-	-	<0.0004	<0.002	-	<0.005	<0.001	-	<0.006	<0.005	-	-	<0.001	-	0.0108
	#2	2008	10/23/2008			471	0.207	0.0935	88	59.9	<50	-	806	-	-	182	-	7.83	4.91	<0.0002	-	-	-	-	65.1	-	<0.0002	<0.003	0.0572	-	-	<0.0002	0.00543	-	0.00108	0.000499	-	<0.003	<0.003	-	-	<0.0002	-	0.0040
	#2	2009	11/5/2009			246	0.061	0.142	46.8	27.3	<10.9	-	467	-	-	154	-	8.21	4	<0.0000894	-	-	-	-	29.9	-	0.000195	0.000754	0.0327	-	-	<0.000043	<0.00024	-	0.00155	0.000207	-	0.00048	<0.00069	-	-	<0.000017	-	0.0018
	#2	2010	9/23/2010			**738**	0.386	0.107	179	92.9	<50.0	0.113	1140	-	225	226	<20.0	7.72	2.7	<0.0002	92.2	0.273	22.8	7.93	103	-	0.000228	0.00389	0.109	<0.0002	-	<0.0002	<0.002	0.000552	<0.003	0.000592	**0.578**	<0.006	<0.002	<0.0001	-	<0.0002	<0.004	<0.008
	#2	2011	11/1/2011			205	0.127	0.443	29.2	18.8	<50.0	<0.1	342	-	111	112	<10.0	8.09	15	<0.0002	41.2	**0.767**	7.54	2.82	20.4	-	0.000232	<0.002	0.0291	<0.0002	-	<0.0002	<0.002	0.000339	0.00198	0.000666	**0.0573**	<0.003	<0.002	<0.0001	-	<0.0002	<0.004	<0.006
	#2	2013	9/3/2013	23.2		201	<0.200	0.122	33	11.5	26.2	0.144	368	<0.01	130	130	<5.00	8.13	10.3	<0.0002	40.2	**0.469**	7.49	3.13	23.3	0.382	<0.002	<0.005	0.0746	<0.001	0.0308	<0.001	<0.002	<0.001	<0.002	<0.001	**0.12**	<0.002	<0.005	<0.001	0.13	<0.002	<0.005	<0.02
	#2	2015	10/13/2015	16.9	6.0	250	<0.2	0.19	62	5.31	24.9	0.14	492	<0.01	144	144	<5.00	7.64	3.85	<0.0002	43.4	0.264	9.76	3.44	35	0.165	<0.002	<0.005	0.0352	<0.001	0.0479	<0.001	<0.002	<0.001	0.00282	<0.001	**0.124**	<0.002	<0.005	<0.001	0.162	<0.002	<0.005	<0.02
	#2	2017	9/21/2017	20.2		171	<0.200	0.127	25.4	13.1	10.9	<0.100	312	<0.01	109	109	<5.00	7.90	15.4	<0.0002	36.6	**0.583**	6.75	2.46	17.7	0.441	<0.001	<0.005	0.0579	<0.001	<0.200	<0.001	<0.002	<0.001	<0.002	<0.001	**0.102**	<0.002	<0.005	<0.001	0.126	<0.001	<0.005	<0.02
	#2	2019	10/23/2019	12.5		**533**	0.853	0.603	131	69.3	13.5	<0.10	1010	<0.01	212	212	<5.00	7.80	2.14	<0.0002	81.6	0.176	17.5	9.52	79	<0.05	<0.002	<0.005	0.0733	<0.001	0.102	<0.001	<0.002	<0.001	<0.002	<0.001	**0.229**	<0.002	<0.005	<0.001	0.339	0.00114	<0.005	<0.02
	#2	2021	10/13/2021	18.4		255	<0.200	0.219	50.2	21.6	20	0.109	427	<0.01	138	138	<5.00	7.80	8.4	<0.0002	48	**0.756**	9.59	3.16	30.3	0.434	<0.002	<0.005	0.0466	<0.001	<0.100	<0.001	<0.005	<0.001	0.00237	0.0014	**0.321**	<0.002	<0.005	<0.001	0.176	<0.001	<0.005	0.0447
Loveland Harper	#1	2011				Not Sampled																																						
	#1	2012	9/20/2012			420	0.086	1.41	118	48.5	<50.0	0.244	885		107	110	<10.0	8.49	4.5	<0.0002	75.6	**0.39**	27.8	6.24	71.2		<0.0004	<0.004	0.0795	<0.0004		<0.0004	<0.004	<0.02	<0.02	<0.0004	0.0296	<0.01	<0.004	<0.04		<0.0004	<0.05	<0.05
	#1	2014	10/28/2014	15.5		414	<0.200	1.49	42.1	33.7	<10.0	0.116	754	<0.01	227	227	<5.00	8.40	1.75	<0.0002	71.7	0.174	28.4	4.6	48.8	0.13	<0.002	<0.005	0.0707	<0.001	0.0573	<0.001	<0.002	<0.001	<0.002	<0.001	0.0185	<0.002	<0.005	<0.001	0.356	<0.002	<0.005	<0.020
	#1	2016	10/17/2016	19.2	12.8	**520**	<0.02	2.3	83	40	9.4	0.12	790	<0.2	-	270	-	8.30	4.5	<0.005	75	<0.2	32	4.7	54	<0.2	<0.03	<0.01	<0.1	<0.0004	<0.1	<0.005	<0.02	<0.004	<0.025	<0.015	<0.05	<0.05	<0.03	<0.01	0.47	<0.005	<0.05	<0.05
	#1	2018	10/17/2018			408	<0.2	1.68	61.1	33	15.5	<0.1	724	<0.01	247	270	23.2	8.40	1.57	<0.0002	77.2	<0.1	29.2	3.88	36.8	0.0547	<0.002	<0.005	0.0704	<0.001	<0.1	<0.001	<0.002	<0.001	<0.002	<0.001	0.00912	<0.002	<0.005	<0.001	0.415	<0.001	<0.005	<0.02
	#1	2020	10/14/2020	16.9		422	<0.200	2.01	95.6	38.9	<10.0	0.156	842	<0.01	220	223	<5.00	8.30	7.05	<0.0002	64.5	**0.311**	25.7	5.49	57.3	0.236	<0.002	<0.005	0.0675	<0.001	<0.1	<0.001	<0.002	<0.001	<0.002	<0.001	0.0228	<0.002	<0.005	<0.001	0.297	<0.001	<0.005	<0.02
	#2	2011				Not Sampled																																						
	#2	2012	9/20/2012			372	0.103	1.39	117	50.9	<50.0	0.269	884		227	232	<10.0	8.56	6.4	<0.0002	69.7	0.293	25.6	5.72	65.4		<0.0004	<0.004	0.0724	<0.0004		<0.0004	<0.004	<0.02	<0.02	<0.0004	0.0231	<0.01	<0.004	<0.04		<0.0004	<0.05	<0.05
	#2	2014	10/28/2014	15.5		416	<0.200	1.56	84.2	35.1	<10.0	0.109	722	<0.01	226	227	<5.00	8.41	1.69	<0.0002	71.1	0.18	27.8	4.51	46.7	0.138	<0.002	<0.005	0.072	<0.001	0.0575	<0.001	<0.002	<0.001	<0.002	<0.001	0.0185	<0.002	<0.005	<0.001	0.36	<0.002	<0.005	<0.020
	#2	2016	10/17/2016	19.3	11.5	**520**	<0.02	2.4	79	39	9.1	0.12	800	<0.2	-	280	-	8.3	2.1	<0.005	74	<0.2	32	4.8	52	<0.2	<0.03	<0.01	<0.1	<0.0004	<0.1	<0.005	<0.02	<0.004	<0.025	<0.015	<0.05	<0.05	<0.03	<0.01	0.46	<0.005	<0.05	0.067
	#2	2018	10/17/2018			403	<0.2	1.69	60.2	32.3	13.5	<0.1	719	<0.01	253	272	19	8.4	1.45	<0.0002	74.6	<0.1	28.1	3.8	35.7	<0.05	<0.002	<0.005	0.0676	<0.001	<0.1	<0.001	<0.002	<0.001	<0.002	<0.001	0.00913	<0.002	<0.005	<0.001	0.397	<0.001	<0.005	<0.02
	#2	2020	10/14/2020	16.8		444	<0.2	1.98	94.8	37.7	<10.0	0.163	846	<0.01	219	219	<5.0	8.3	6.1	<0.0002	67.2	0.271	26.5	5.76	59.3	0.192	<0.002	<0.005	0.0699	<0.001	<0.1	<0.001	<0.002	<0.001	<0.002	<0.001	0.0206	<0.002	<0.005	<0.001	0.308	<0.001	<0.005	<0.02

"-" Paramiter not sampled for

Surface Water Samples
Closed Landfills

Landfill	Location	Year	Date	Field Temp	DO	TDS	Ammonia	Nitrite-Nitrate	Chloride	Sulfate	COD	Phosphorus	Conductivity	Cyanide	Bicarb	Alkalinity	Carb	pH	Turbidity	Mercury
Standards	MCL							10						0.2						0.002
	SMCL					500			250	250								6.5-8.5		
	Action Level																			
Newtown	#1	2001	9/21/2001			260	<1	<0.05	40.4	36.4	<30	-	546	-	-	180	-	8.20	4.25	<0.0005
	#1	2002	6/18/2002			312	<1	<0.05	41.3	24.7	<30	-	555	-	-	186	-	8.15	3	<0.0005
	#1	2003	9/24/2003			328	<1	<0.05	50.9	40.2	<30	-	616	-	-	194	-	8.10	5.81	<0.0005
	#1	2004	8/24/2004			278	<1	<0.05	51.7	29.6	<30	-	542	-	-	148	-	8.17	2.82	<0.0002
	#1	2005	8/11/2005			258	<0.05	<0.05	56.5	32.3	<30	-	528	-	-	141	-	8.12	2.92	<0.0002
	#1	2006	8/31/2006			307	<0.05	<0.5	50.9	34.8	<30	-	510	-	-	138	-	8.11	2.32	-
	#1	2007	9/18/2007			327	<0.3	<0.02	64	33.6	<50	-	536	-	-	150	-	8.04	6.84	<0.0002
	#1	2008	10/30/2008			390	0.035	<0.00885	53	30.3	18	-	544	-	-	158	-	8.49	3.01	<0.0000894
	#1	2009	11/5/2009			249	0.057	0.0398	61.3	35.8	<10.9	-	515	-	-	158	-	**8.51**	3.2	<0.0000894
	#1	2010	9/9/2010			367	0.124	<0.02	66.3	29.9	113	<0.1	524	-	135	136	<20.0	**8.53**	2.4	-
	#1	2011	10/13/2011			351	<0.05	<0.02	62.1	31.3	<50.0	<0.1	526	-	168	170	<20.0	8.09	4	<0.0002
	#2	2001	9/21/2001			234	<1	<0.05	40.4	35	<30	-	545	-	-	163	-	8.25	4.81	<0.0005
	#2	2002	6/18/2002			308	<1	<0.05	40.5	26	<30	-	556	-	-	184	-	8.10	21.6	<0.0005
	#2	2003	9/24/2003			291	<1	<0.05	50.6	44.2	<30	-	613	-	-	188	-	8.17	4.23	<0.0005
	#2	2004	8/24/2004			285	<1	<0.05	53.1	29.1	<30	-	543	-	-	151	-	8.18	3.8	<0.0002
	#2	2005	8/11/2005			259	<0.05	<0.05	54.4	33.2	<30	-	527	-	-	142	-	8.17	3.32	<0.0002
	#2	2006	8/31/2006			298	<0.05	<0.5	52.3	36.5	<30	-	510	-	-	140	-	8.22	5.68	-
	#2	2007	9/18/2007			302	<0.3	<0.02	62	28.6	<50	-	535	-	-	154	-	8.23	8.53	<0.0002
	#2	2008	10/30/2008			442	0.127	<0.00885	51.8	31.6	<15.9	-	534	-	-	168	-	8.45	4.2	<0.0000894
	#2	2009	11/5/2009			283	0.135	0.0315	61.1	35.7	<10.9	-	539	-	-	150	-	**8.53**	3.4	<0.0000894
	#2	2010	9/9/2010			297	0.125	<0.02	67.2	30.3	<50.0	<0.1	520	-	134	134	<20.0	**8.53**	3.4	-
	#2	2011	10/13/2011			341	<0.05	<0.02	58.3	27.2	<50.0	<0.1	520	-	165	166	<20.0	8.18	6.2	<0.0002
	#2	2013	10/15/2013	18.4		242	<0.200	<0.100	46.9	23.8	15.5	<0.100	510	<0.01	150	150	<5.00	8.44	5.82	<0.0002
	#2	2015	10/20/2015			272	<0.200	<0.100	50.1	27.7	10.2	<0.1	521	<0.01	189	189	<5.00	7.53	4.72	<0.0002
	#2	2017	10/18/2017			268	<0.200	<0.0500	46.4	25.7	17.6	<0.100	500	<0.0100	153	158	<5.00	8.20	9.29	<0.0002
	#2	2019	9/23/2019	25.3		274	<0.200	<0.05	43.2	23.9	<10.0	<0.100	527	<0.01	171	174	<5.00	8.30	1.65	<0.0002
	#2	2021	11/1/2021	13.6		239	<0.200	<0.05	47	32.8	17.1	<0.100	490	<0.01	142	142	<5.00	8.50	1.5	<0.0002
	#3	2001	9/21/2001			263	<1	<0.05	43.8	38.4	<30	-	548	-	-	174	-	8.25	5.3	<0.0005
	#3	2002	6/18/2002			305	<1	<0.05	41.3	27.1	<30	-	575	-	-	191	-	8.01	15.1	<0.0005
	#3	2003	9/24/2003			301	<1	<0.05	50	49.6	<30	-	621	-	-	193	-	8.20	8.68	<0.0005
	#3	2004	8/24/2004			284	<1	<0.05	39.1	34.1	<30	-	546	-	-	151	-	8.19	5.3	<0.0002
	#3	2005	8/11/2005			260	<0.05	<0.05	56.5	28.8	<30	-	504	-	-	132	-	8.33	5.9	<0.0002
	#3	2006	8/31/2006			289	<0.05	<0.5	40.2	34.8	<30	-	508	-	-	138	-	8.26	4.8	-
	#3	2007	9/18/2007			302	<0.3	<0.02	66	27.8	<50	-	540	-	-	156	-	8.27	19.7	<0.0002
	#3	2008	10/30/2008			407	0.099	<0.00885	54.6	31.3	<15.9	-	542	-	-	166	-	8.45	7.47	<0.0000894
	#3	2009	11/5/2009			303	0.148	0.0949	58.3	41.3	11.8	-	676	-	-	158	-	8.29	5.0	<0.0000895
	#3	2010	9/9/2010			311	0.2	0.115	67.3	30.4	<50.0	<0.1	500	-	125	128	<20.0	**8.66**	5.2	-
	#3	2011	10/13/2011			299	0.058	<0.02	59.2	28.2	<50.0	<0.1	531	-	157	158	<20.0	8.22	8.8	<0.0002
Schweitzer	#1	2001	9/21/2001			446	<1	1.11	87.6	99.9	<30	-	841	-	-	152	-	8.09	22.6	<0.0005
	#1	2002	8/27/2002			**583**	<1	1.04	98.7	170	<30	-	993	-	-	168	-	8.00	13.9	<0.0005
	#1	2003	8/14/2003			497	<1	1.04	108	116	<30	-	956	-	-	179	-	7.83	14.7	<0.0005
	#1	2004	8/24/2004			**684**	<1	1.36	130	155	110	-	1140	-	-	162	-	7.85	8.26	<0.0002
	#1	2005	9/15/2005			**644**	0.142	1.66	122	143	<30	-	1090	-	-	164	-	7.85	2.65	<0.0002
	#1	2006	10/3/2006			**558**	<1	0.99	102	122	<30	-	995	-	-	207	-	8.14	6.6	<0.0002
	#1	2007	10/11/2007			**654**	0.057	0.434	140	234	<50	-	1140	-	-	170	-	8.00	7.39	<0.2
	#1	2008	10/16/2008			**622**	0.355	1.51	113	216	<15.9	-	1110	-	-	172	-	8.03	2.11	<0.0000894
	#1	2009	11/5/2009			**571**	0.072	0.92	121	121	<10.9	-	957	-	-	244	-	8.19	2.5	<0.0000894
	#1	2010	9/23/2010			**852**	3.07	1.73	142	**259**	<50.0	1.72	1230	-	181	182	<20.0	7.94	10	<0.0002
	#1	2011	9/22/2011			351	0.096	0.559	76.4	83	<50.0	0.15	621	-	118	118	<20.0	7.79	29	<0.0002
	#1	2013	10/15/2013	17.4		**673**	<0.200	0.904	160	130	13.3	0.298	1270	<0.01	218	232	14.1	8.27	2.94	<0.0002
	#1	2015	10/13/2015	18.7	10.4	**641**	<0.2	1.87	142	158	26.2	0.544	1080	<0.01	171	171	<5.0	7.93	8.58	<0.0002
	#1	2017	9/21/2017	21.1		**527**	<0.200	1.05	106	125	<10.0	0.17	876	<0.01	173	173	<5.0	8.00	6.48	<0.0002
	#1	2019	9/23/2019	22.6		**682**	<0.200	1.38	142	159	14.4	0.393	1190	<0.01	196	196	<5.0	8.10	2.84	<0.0002
	#1	2021	10/13/2021	19.1		**708**	<0.200	0.624	136	194	16.2	0.302	1100	<0.01	230	230	<5.0	8.10	5.6	<0.0002
	#2	2001	9/21/2001			416	<1	1.09	85.9	94.4	<30	-	833	-	-	162	-	8.10	21.6	<0.0005
	#2					2002 to Present: Not Sampled								-						
	#3	2001	9/21/2001			426	<1	1.02	84.2	88	<30	-	815	-	-	159	-	8.12	21.5	<0.0005
	#3	2002	8/27/2002			**592**	<1	0.935	102	117	<30	-	987	-	-	171	-	7.90	9.08	<0.0005
	#3	2003	8/14/2003			499	<1	1.2	110	116	<30	-	944	-	-	200	-	7.87	6.13	<0.0005
	#3	2004	8/24/2004			**687**	<1	1.43	126	174	<30	-	1180	-	-	168	-	7.95	4.04	<0.0002
	#3	2005	9/15/2005			**628**	0.142	1.86	124	123	<30	-	1060	-	-	140	-	7.98	2.72	<0.0002
	#3	2006	10/3/2006			**558**	<1	1	93.8	123	<30	-	996	-	-	209	-	8.17	6	<0.0002
	#3	2007	10/11/2007			**698**	<0.05	1.46	150	246	<50	-	1120	-	-	182	-	7.80	4.08	<0.2
	#3	2008	10/16/2008			**685**	0.217	1.61	117	242	<15.9	-	1170	-	-	170	-	8.04	3.05	<0.0000894
	#3	2009	11/5/2009			**593**	0.081	0.947	117	116	<10.9	-	974	-	-	246	-	8.22	2.3	<0.0000895
	#3	2010	9/23/2010			**777**	2.47	1.8	135	**252**	<50.0	1.93	1260	-	189	192	<20.0	7.70	7.6	<0.0002
	#3	2011	9/22/2011			352	0.093	0.588	74.2	74.9	54.3	0.146	576	-	102	102	<20.0	7.40	33	<0.0002
	#3	2013	10/15/2013	16.7		**693**	<0.200	1	156	135	13	0.314	1320	-	227	227	<5.00	8.26	1.56	<0.0002
	#3	2015	10/13/2015	18.7	10.4	**666**	<0.200	0.268	146	170	14.2	0.154	1130	<0.01	177	177	<5.00	8.00	15.5	<0.0002
	#3	2017	9/21/2017	21.3		**522**	<0.200	1.05	101	124	<10.0	0.17	863	<0.01	169	169	<5.00	8.10	5.75	<0.0002
	#3	2019	9/23/2019	22.9		**680**	<0.200	1.58	141	155	<10.0	0.378	1170	<0.01	195	198	<5.00	8.20	2.19	<0.0002
	#3	2021	10/13/2021	19.3		**706**	<0.200	0.557	135	191	13.7	0.317	1090	<0.01	235	235	<5.00	8.30	6.25	<0.0002
Wyoming	#1	2001	9/11/2001			245	<1	0.053	40.4	<5	31.4	-	337	-	-	98.3	-	**8.56**	25	<0.0005
	#1	2002	8/27/2002			309	<1	0.077	40.8	45.5	38.5	-	537	-	-	150	-	7.80	9.52	<0.0005
	#1	2003	9/24/2003			171	<1	0.201	26.2	19	<30	-	358	-	-	125	-	8.29	9.48	<0.0005
	#1	2004	7/28/2004			212	<1	0.573	42.6	21.1	<30	-	399	-	-	98.5	-	7.85	30.2	<0.0002
	#1	2005	9/15/2005			238	0.081	0.544	40.6	21	<30	-	421	-	-	110	-	7.94	5.39	<0.0002
	#1	2006	10/9/2006			223	<1	<0.5	37.5	31.3	<30	-	457	-	-	126	-	7.83	4.17	<0.0002
	#1	2007	10/11/2007			382	0.162	0.0825	118	32.9	<50	-	713	-	-	170	-	**6.42**	20.8	<0.2
	#1	2008	10/23/2008			352	<0.05	0.0239	74.9	20.7	<50	-	644	-	-	158	-	7.50	3.36	<0.0002
	#1	2009	11/5/2009			230	0.058	0.106	43.8	25.9	<10.9	-	458	-	-	166	-	8.13	5.1	<0.0000894
	#1	2010	9/23/2010			**879**	0.307	0.0756	278	48.3	<50.0	<0.1	1270	-	193	194	<20.0	7.50	4.8	<0.0002
	#1	2011	11/1/2011			217	0.085	0.444	27.5	17.3	<50.0	<0.1	332	-	106	107	<10.0	8.25	16	<0.0002
	#1	2013	9/3/2013	23.7		190	<0.200	0.102	32.5	11.1	27.1	0.17	360	<0.01	118	118	<5.00	8.11	7.82	<0.0002
	#1	2015	10/13/2015	18.0	6.5	243	<0.200	0.17	55.4	20	23.9	0.15	445	<0.01	130	130	<5.00	7.62	6.88	<0.0002
	#1	2017	9/21/2017	20.8		170	<0.200	0.122	25.8	12.9	28.2	<0.10	310	<0.01	109	109	<5.00	7.90	20	<0.0002
	#1	2019	10/23/2019	12.0		432	<0.200	<0.05	109	44.7	11.3	<0.10	820	<0.01	182	182	<5.00	7.70	4.38	<0.0002
	#1	2021	10/13/2021	19.4		284	<0.200	0.23	65.3	18.3	12.3	<0.10	462	<0.01	133	133	<5.00	7.90	7.31	<0.0002
	#2	2001	9/11/2001			209	<1	0.061	53.9	11.6	<30	-	333	-	-	95	-	8.09	26.2	<0.0005
	#2	2002	8/27/2002			387	<1	0.217	51	56.3	<30	-	611	-	-	138	-	7.36	4.15	<0.0005
	#2	2003	9/24/2003			132	<1	0.162	25.6	15.9	<30	-	362	-	-	134	-	8.16	15.8	<0.0005
	#2	2004	7/28/2004			213	<1	0.566	41.3	20.1	<30	-	402	-	-	103	-	7.87	24.7	<0.0002
	#2	2005	9/15/2005			242	0.121	0.912	47.4	21	<30	-	423	-	-	106	-	7.77	3.67	<0.0002
	#2	2006	10/9/2006			237	<1	<0.5	42.9	30.9	<30	-	458	-	-	124	-	7.69	3.63	<0.0002
	#2	2007	10/11/2007			288	0.21	0.0321	96	28	<50	-	664	-	-	202	-	7.66	3.54	<0.2
	#2	2008	10/23/2008			335	0.233	0.0236	75.9	17.6	<50	-	639	-	-	166	-	7.52	2.22	<0.0002
	#2	2009	11/5/2009			239	0.063	0.124	45.1	25.9	14.4	-	480	-	-	156	-	8.13	4	<0.0000894
	#2	2010	9/23/2010			**698**	0.711	0.0389	195	38	<50.0	0.161	980	-	198	198	<20.0	7.67	2.3	<0.0002
	#2	2011	11/1/2011			190	0.133	0.461	28.9	19.1	<50.0	0.12	348	-	109	110	<10.0	8.08	16	<0.0002
	#2	2013	9/3/2013	24.0		198	<0.200	0.119	32.9	11.4	27.7	0.136	365	<0.01	118	118	<5.00	8.17	10.1	<0.0002
	#2	2015	10/13/2015	17.3	5.8	247	<0.200	0.191	52.5	18.3	24.9	0.148	429	<0.01	126	126	<5.00	7.63	3.64	<0.0002
	#2	2017	9/21/2017	20.2		180	<0.200	0.125	25.8	12.9	29.3	0.146	306	<0.01	109	109	<5.00	7.90	26.3	<0.0002
	#2	2019	10/23/2019	11.7		441	<0.200	<0.05	126	42.9	13.5	<0.10	899	<0.01	198	198	<5.00	7.90	1.74	<0.0002
	#2	2021	10/13/2021	18.3		246	<0.200	0.194	48.5	18.6	14.8	<0.10	411	<0.01	134	134	<5.00	7.80	4.55	<0.0002

Landfill	Location	Year	Date	Calcium	Iron	Magnesium	Potassium	Sodium	Aluminum	Antimony	Arsenic	Barium	Beryllium	Boron	Cadmium	Chromium	Cobalt	Copper	Lead	Manganese	Nickel	Selenium	Silver	Strontium	Thallium	Vanadium	Zinc
Standards	MCL									0.006	0.01	2	0.004		0.005	0.1						0.05			0.002		
	SMCL				0.3			250										1		0.05			0.1				5.00
	Action Level																	1.3	0.015								
Newtown	#1	2001	9/21/2001	-	-	-	-	31.1	-	<0.004	<0.005	0.056	-	-	<0.0002	<0.02	-	<0.05	<0.005	-	<0.02	<0.005	-	-	<0.0015	-	<0.05
	#1	2002	6/18/2002	-	-	-	-	25.9	-	<0.004	<0.005	0.08	-	-	<0.0002	<0.02	-	<0.05	<0.005	-	<0.02	<0.005	-	-	<0.002	-	0.001
	#1	2003	9/24/2003	-	-	-	-	27.1	-	<0.004	<0.0025	0.069	-	-	<0.0002	<0.02	-	<0.05	<0.005	-	<0.02	<0.005	-	-	<0.0015	-	<0.05
	#1	2004	8/24/2004	-	-	-	-	33.3	-	<0.004	<0.0025	0.076	-	-	0.0002	<0.02	-	<0.05	<0.005	-	<0.02	<0.005	-	-	<0.0015	-	<0.05
	#1	2005	8/11/2005	-	-	-	-	35.3	-	<0.004	<0.003	0.088	-	-	<0.0002	<0.02	-	<0.05	<0.005	-	<0.02	<0.005	-	-	<0.001	-	<0.05
	#1	2006	8/31/2006	-	-	-	-	35.1	-	<0.004	<0.003	0.08	-	-	<0.0002	<0.02	-	<0.05	<0.005	-	<0.02	<0.005	-	-	<0.001	-	<0.05
	#1	2007	9/18/2007	-	-	-	-	42.2	-	<0.02	<0.005	0.076	-	-	<0.001	<0.04	-	<0.02	<0.005	-	<0.01	<0.005	-	-	<0.01	-	<0.05
	#1	2008	10/30/2008	-	-	-	-	38.6	-	0.000238	0.000733	0.0901	-	-	<0.000043	<0.00024	-	0.000563	0.000156	-	0.000897	<0.00069	-	-	<0.000017	-	0.003
	#1	2009	11/5/2009	-	-	-	-	40.0	-	0.000106	<0.00072	0.0768	-	-	<0.000043	<0.00024	-	0.000636	0.000092	-	0.000566	<0.00069	-	-	<0.000017	-	0.001
	#1	2010	9/9/2010	39.3	0.112	19	4.17	42.9	-	<0.0002	<0.002	0.0627	<0.0002	-	<0.0002	<0.002	<0.0002	<0.001	<0.0002	0.0158	<0.003	<0.002	<0.0001	-	<0.0002	<0.004	<0.005
	#1	2011	10/13/2011	48.7	0.101	18.5	4.13	38.0	-	<0.0002	<0.002	0.0641	<0.0002	-	<0.0002	<0.004	0.000253	<0.001	<0.0002	0.0158	<0.0045	<0.002	<0.0001	-	<0.001	<0.01	<0.0045
	#2	2001	9/21/2001	-	-	-	-	30.5	-	<0.004	<0.005	0.062	-	-	<0.0002	<0.02	-	<0.05	<0.005	-	<0.02	<0.005	-	-	<0.0015	-	<0.05
	#2	2002	6/18/2002	-	-	-	-	25.8	-	<0.004	<0.005	0.081	-	-	<0.0002	<0.02	-	<0.05	<0.005	-	<0.02	<0.005	-	-	<0.002	-	0.001
	#2	2003	9/24/2003	-	-	-	-	27.8	-	<0.004	<0.0025	0.066	-	-	<0.0002	<0.02	-	<0.05	<0.005	-	<0.02	<0.005	-	-	<0.0015	-	<0.05
	#2	2004	8/24/2004	-	-	-	-	32.7	-	<0.004	<0.0025	0.075	-	-	0.0002	<0.02	-	<0.05	<0.005	-	<0.02	<0.005	-	-	<0.0015	-	<0.05
	#2	2005	8/11/2005	-	-	-	-	34.2	-	<0.004	<0.003	0.084	-	-	<0.0002	<0.02	-	<0.05	<0.005	-	<0.02	<0.005	-	-	<0.001	-	<0.05
	#2	2006	8/31/2006	-	-	-	-	34.6	-	<0.004	<0.003	0.081	-	-	<0.0002	<0.02	-	<0.05	<0.005	-	<0.02	<0.005	-	-	<0.001	-	<0.05
	#2	2007	9/18/2007	-	-	-	-	41.9	-	<0.02	<0.005	0.0785	-	-	<0.001	<0.04	-	<0.02	<0.005	-	<0.01	<0.005	-	-	<0.01	-	<0.05
	#2	2008	10/30/2008	-	-	-	-	39	-	0.000179	0.000973	0.089	-	-	<0.000043	<0.00024	-	0.000574	0.000156	-	0.000744	<0.00069	-	-	<0.000017	-	0.003
	#2	2009	11/5/2009	-	-	-	-	40.1	-	0.000113	0.00124	0.0853	-	-	<0.000043	<0.00024	-	0.000697	8.53E-05	-	0.000637	<0.00069	-	-	<0.000017	-	0.001
	#2	2010	9/9/2010	41.6	0.109	19.7	4.32	45.1	-	<0.0002	<0.002	0.0659	<0.0002	-	<0.0002	<0.002	0.000218	<0.001	<0.0002	0.0192	<0.003	<0.002	<0.0001	-	<0.0002	<0.004	<0.005
	#2	2011	10/13/2011	45.9	0.177	17.5	3.96	36.2	-	<0.0002	<0.002	0.063	<0.0002	-	<0.0002	<0.004	0.000279	<0.001	<0.0002	0.0192	<0.004	<0.002	<0.0001	-	<0.001	<0.01	<0.0045
	#2	2013	10/15/2013	42.9	0.245	18.7	3.61	32.6	0.148	<0.002	<0.005	0.029	<0.001	0.135	<0.001	<0.002	<0.001	<0.002	<0.001	0.0228	<0.002	<0.005	<0.001	0.158	<0.002	<0.005	<0.02
	#2	2015	10/20/2015	43.8	0.144	19.4	3.47	32.8	0.0516	<0.002	<0.005	0.0609	<0.001	0.117	<0.001	<0.002	<0.001	<0.002	<0.001	0.0168	<0.002	<0.005	<0.001	0.179	<0.002	<0.005	<0.02
	#2	2017	10/18/2017	40.1	0.149	18.2	3.48	26.3	0.075	<0.002	<0.005	0.0604	<0.001	<0.2	<0.001	<0.002	<0.001	<0.002	<0.001	0.0335	<0.002	<0.005	<0.001	0.17	<0.001	<0.005	<0.02
	#2	2019	9/23/2019	44.4	<0.1	20.8	3.35	29.9	0.0597	<0.002	<0.005	0.0681	<0.001	0.103	<0.001	<0.002	<0.001	<0.002	<0.001	0.00962	<0.002	<0.005	<0.001	0.174	<0.001	<0.005	<0.02
	#2	2021	11/1/2021	37.5	<0.1	21.8	3.59	31.8	<0.05	<0.002	<0.005	0.0715	<0.001	0.109	<0.001	<0.005	<0.001	<0.002	<0.001	0.0104	<0.002	<0.005	<0.001	0.181	<0.001	<0.005	<0.02
	#3	2001	9/21/2001	-	-	-	-	30	-	<0.004	<0.005	0.058	-	-	<0.0002	<0.02	-	<0.05	<0.005	-	<0.02	<0.005	-	-	<0.0015	-	<0.05
	#3	2002	6/18/2002	-	-	-	-	25.9	-	<0.004	<0.005	0.079	-	-	<0.0002	<0.02	-	<0.05	<0.005	-	<0.02	<0.005	-	-	<0.002	-	0.001
	#3	2003	9/24/2003	-	-	-	-	28.5	-	<0.004	<0.0025	0.068	-	-	<0.0002	<0.02	-	<0.05	<0.005	-	<0.02	<0.005	-	-	<0.0015	-	<0.05
	#3	2004	8/24/2004	-	-	-	-	32.4	-	<0.004	<0.0025	0.074	-	-	0.0002	<0.02	-	<0.05	<0.005	-	<0.02	<0.005	-	-	<0.0015	-	<0.05
	#3	2005	8/11/2005	-	-	-	-	33.9	-	<0.004	<0.003	0.073	-	-	<0.0002	<0.02	-	<0.05	<0.005	-	<0.02	<0.005	-	-	<0.001	-	<0.05
	#3	2006	8/31/2006	-	-	-	-	35.3	-	<0.004	<0.003	0.08	-	-	<0.0002	<0.02	-	<0.05	<0.005	-	<0.02	<0.005	-	-	<0.001	-	<0.05
	#3	2007	9/18/2007	-	-	-	-	43.4	-	<0.02	<0.005	0.0811	-	-	<0.001	<0.04	-	<0.02	<0.005	-	<0.01	<0.005	-	-	<0.01	-	<0.05
	#3	2008	10/30/2008	-	-	-	-	38.8	-	0.000162	0.00096	0.0909	-	-	<0.000043	<0.00024	-	0.000552	0.000777	-	0.000777	0.00069	-	-	<0.000017	-	0.004
	#3	2009	11/5/2009	-	-	-	-	38.0	-	9.45E-05	0.000911	0.0904	-	-	<0.000043	<0.00024	-	0.000711	0.000107	-	0.000722	0.00069	-	-	<0.000018	-	0.001
	#3	2010	9/9/2010	38.5	0.218	18.7	4.2	44.0	-	<0.0002	<0.002	0.0617	<0.0002	-	<0.0002	<0.002	0.000287	<0.002	0.000204	0.0224	<0.003	<0.002	<0.0001	-	<0.0002	<0.004	<0.004
	#3	2011	10/13/2011	46.8	0.299	18.6	4	37.5	-	<0.0002	<0.0025	0.069	<0.0002	-	<0.0002	<0.004	0.000948	0.00312	0.00105	0.0476	<0.005	<0.002	<0.0001	-	<0.001	<0.01	<0.01
Schweitzer	#1	2001	9/21/2001	-	-	-	-	74.8	-	<0.004	<0.005	0.055	-	-	<0.0002	<0.02	-	<0.05	<0.005	-	<0.02	<0.005	-	-	<0.0015	-	<0.05
	#1	2002	8/27/2002	-	-	-	-	93.7	-	<0.004	<0.005	0.057	-	-	<0.0002	<0.02	-	<0.05	<0.005	-	<0.02	<0.005	-	-	<0.0015	-	<0.05
	#1	2003	8/14/2003	-	-	-	-	82.1	-	<0.004	<0.005	0.057	-	-	<0.0002	<0.02	-	<0.05	<0.005	-	<0.02	<0.005	-	-	<0.0015	-	<0.05
	#1	2004	8/24/2004	-	-	-	-	131	-	<0.004	<0.0025	0.052	-	-	0.0004	<0.02	-	<0.05	<0.005	-	<0.02	<0.005	-	-	<0.0015	-	<0.05
	#1	2005	9/15/2005	-	-	-	-	119	-	<0.004	0.0032	0.055	-	-	<0.0002	<0.02	-	<0.05	<0.005	-	<0.02	<0.005	-	-	<0.001	-	<0.05
	#1	2006	10/3/2006	-	-	-	-	94.8	-	<0.004	<0.003	<0.05	-	-	<0.0002	<0.02	-	<0.05	<0.005	-	<0.02	<0.005	-	-	<0.001	-	<0.05
	#1	2007	10/11/2007	-	-	-	-	153	-	0.00121	<0.005	0.0519	-	-	<0.0004	<0.002	-	<0.005	0.00103	-	<0.006	<0.005	-	-	<0.001	-	0.026
	#1	2008	10/16/2008	-	-	-	-	152	-	0.00213	0.00107	0.0443	-	-	<0.000043	<0.00024	-	0.00344	0.000636	-	0.0021	<0.00069	-	-	<0.000017	-	0.019
	#1	2009	11/5/2009	-	-	-	-	92.3	-	0.000966	<0.00072	0.0499	-	-	<0.000043	<0.00024	-	0.00231	0.000285	-	0.00126	<0.00070	-	-	<0.000018	-	0.010
	#1	2010	9/23/2010	59.9	**0.552**	22.7	10.5	174	-	0.00168	0.00192	0.0464	<0.0002	-	<0.0002	<0.002	0.00082	0.00617	0.00104	**0.0524**	<0.0065	<0.002	<0.0001	-	<0.0002	<0.004	0.017
	#1	2011	9/22/2011	44.1	**1.39**	11.4	4.87	68.6	-	0.00208	<0.002	0.0356	<0.0002	-	<0.0002	<0.002	0.000622	0.0036	0.00116	**0.0525**	<0.0035	<0.002	<0.0001	-	<0.0002	<0.004	0.016
	#1	2013	10/15/2013	78.7	0.289	23.5	6.98	153	0.234	<0.002	<0.005	0.0496	<0.001	0.184	<0.001	<0.002	<0.001	0.0033	<0.001	0.044	0.00217	<0.005	<0.001	0.29	<0.002	<0.005	0.023
	#1	2015	10/13/2015	54.9	**0.614**	18.2	8.01	145	0.552	0.0036	<0.005	0.0379	<0.001	0.205	<0.001	<0.002	0.00423	0.00423	0.00116	0.0439	0.0034	<0.001	<0.001	0.261	<0.002	<0.005	<0.02
	#1	2017	9/21/2017	57.3	**0.276**	16.5	6.29	104	0.187	<0.002	<0.005	0.0464	<0.001	0.221	<0.001	<0.002	<0.001	0.00358	<0.001	0.0369	<0.002	<0.005	<0.001	0.273	<0.001	<0.005	<0.02
	#1	2019	9/23/2019	53.5	**0.502**	21	12.1	150	0.35	0.00522	<0.005	0.0424	<0.001	0.414	<0.001	<0.002	<0.001	0.00318	0.00126	0.0465	0.0318	<0.005	<0.001	0.291	<0.001	<0.005	<0.02
	#1	2021	10/13/2021	74.6	**0.616**	23.3	9.1	147	0.395	<0.002	<0.005	0.0641	<0.001	0.165	<0.001	<0.005	<0.001	0.00319	0.00109	**0.0878**	0.00312	<0.005	<0.001	0.431	<0.001	<0.005	0.027
	#2	2001	9/21/2001	-	-	-	-	74.9	-	<0.004	<0.005	0.053	-	-	<0.0002	<0.02	-	<0.05	<0.005	-	<0.02	<0.005	-	-	<0.0015	-	<0.05
	#2																										
	#3	2001	9/21/2001	-	-	-	-	71.9	-	<0.004	<0.005	0.054	-	-	<0.0002	<0.02	-	<0.05	<0.005	-	<0.02	<0.005	-	-	<0.0015	-	<0.05
	#3	2002	8/27/2002	-	-	-	-	90.8	-	<0.004	<0.005	0.05	-	-	<0.0002	<0.02	-	<0.05	<0.005	-	<0.02	<0.005	-	-	<0.0015	-	<0.05
	#3	2003	8/14/2003	-	-	-	-	79.2	-	<0.004	<0.005	0.058	-	-	<0.0002	<0.02	-	<0.05	<0.005	-	<0.02	<0.005	-	-	<0.0015	-	<0.05
	#3	2004	8/24/2004	-	-	-	-	136	-	<0.004	<0.0025	0.052	-	-	0.0004	<0.02	-	<0.05	<0.005	-	<0.02	<0.005	-	-	<0.0015	-	<0.05
	#3	2005	9/15/2005	-	-	-	-	112	-	<0.004	0.0034	0.053	-	-	<0.0002	<0.02	-	<0.05	<0.005	-	<0.02	<0.005	-	-	<0.001	-	<0.05
	#3	2006	10/3/2006	-	-	-	-	88.5	-	<0.004	<0.003	<0.05	-	-	<0.0002	<0.02	-	<0.05	<0.005	-	<0.02	<0.005	-	-	<0.001	-	<0.05
	#3	2007	10/11/2007	-	-	-	-	144	-	0.00135	<0.005	0.052	-	-	<0.0004	<0.002	-	<0.005	<0.001	-	<0.006	<0.005	-	-	<0.001	-	0.022
	#3	2008	10/16/2008	-	-	-	-	158	-	0.00238	0.00103	0.0462	-	-	<0.000043	<0.00024	-	0.00295	0.000505	-	0.00185	0.00085	-	-	<0.000017	-	0.020
	#3	2009	11/5/2009	-	-	-	-	97	-	0.00001	<0.00072	0.0476	-	-	<0.000043	<0.00024	-	0.00203	0.000211	-	0.00123	<0.00069	-	-	<0.000018	-	0.009
	#3	2010	9/23/2010	62.8	**0.401**	23.3	10.2	169	-	0.0016	<0.002	0.0462	<0.0002	-	<0.0002	<0.002	0.000737	0.00596	0.000617	0.0392	<0.006	<0.002	<0.0001	-	<0.0002	<0.004	0.016
	#3	2011	9/22/2011	41.4	**1.68**	10.5	5.14	55.2	-	0.00194	<0.002	0.0333	<0.0002	-	<0.0002	<0.002	0.000666	0.00366	0.0013	**0.0608**	<0.004	<0.0025	<0.0001	-	<0.0001	<0.004	0.016
	#3	2013	10/15/2013	73.7	0.168	21.9	6.55	144	0.111	<0.002	<0.005	0.0494	<0.001	0.177	<0.001	<0.002	<0.002	0.00266	<0.001	0.0383	<0.002	<0.005	<0.001	0.284	<0.002	<0.005	<0.02
	#3	2015	10/13/2015	51.9	**0.859**	16.9	8.08	144	0.736	0.00395	<0.005	0.0368	<0.001	0.21	<0.001	<0.002	<0.001	0.00441	0.00212	**0.113**	0.00309	<0.005	<0.001	0.241	<0.002	<0.005	<0.02
	#3	2017	9/21/2017	56.6	**0.306**	16.5	6.28	105	0.199	<0.002	<0.005	0.045	<0.001	0.232	<0.001	<0.002	<0.001	0.00255	<0.001	0.0376	<0.002	<0.005	<0.001	0.267	<0.001	<0.005	<0.02
	#3	2019	9/23/2019	53	**0.347**	20.8	11.4	142	0.218	0.00496	<0.005	0.041	<0.001	0.35	<0.001	<0.002	<0.001	0.00273	<0.001	0.0371	0.00267	<0.005	<0.001	0.289	<0.001	<0.005	<0.02
	#3	2021	10/13/2021	70.8	**0.392**	22.2	8.54	135	0.218	<0.002	<0.005	0.0607	<0.001	0.148	<0.001	<0.005	<0.001	0.00271	<0.001	**0.0632**	0.0355	<0.005	<0.001	0.413	<0.001	<0.005	<0.02
Wyoming	#1	2001	9/11/2001	-	-	-	-	19.4	-	<0.004	<0.005	<0.05	-	-	<0.0002	<0.02	-	<0.05	<0.005	-	<0.02	<0.005	-	-	<0.0015	-	<0.05
	#1	2002	8/27/2002	-	-	-	-	31.4	-	<0.004	<0.005	0.062	-	-	<0.0002	<0.02	-	<0.05	<0.005	-	<0.02	<0.005	-	-	<0.0015	-	<0.05
	#1	2003	9/24/2003	-	-	-	-	16.6	-	<0.004	<0.0025	<0.005	-	-	<0.0002	<0.02	-	<0.05	<0.005	-	<0.02	<0.005	-	-	<0.0015	-	<0.05
	#1	2004	7/28/2004	-	-	-	-	24.4	-	<0.004	<0.0025	<0.005	-	-	<0.0002	<0.02	-	<0.05	<0.005	-	<0.02	<0.005	-	-	<0.0015	-	<0.05
	#1	2005	9/15/2005	-	-	-	-	26.9	-	<0.004	0.0034	<0.05	-	-	<0.0002	<0.02	-	<0.05	<0.005	-	<0.02	<0.005	-	-	<0.001	-	<0.05
	#1	2006	10/9/2006	-	-	-	-	28	-	<0.004	<0.003	<0.05	-	-	<0.00020	<0.02	-	<0.05	<0.005	-	<0.02	<0.005	-	-	<0.001	-	<0.05
	#1	2007	10/11/2007	-	-	-	-	65.8	-	<0.001	<0.005	0.0731	-	-	<0.0004	<0.002	-	<0.005	<0.001	-	<0.005	<0.005	-	-	<0.001	-	<0.011
	#1	2008	10/23/2008	-	-	-	-	50.2	-	<0.0002	0.00193	0.056	-	-	<0.0002	<0.001	-	<0.001	0.000286	-	<0.003	<0.002	-	-	<0.0002	-	<0.004
	#1	2009	11/5/2009	-	-	-	-	28.5	-	0.00019	0.00102	0.0317	-	-	<0.000043	<0.00024	-	0.00157	0.000397	-	0.000486	<0.00069	-	-	<0.000017	-	0.002
	#1	2010	9/23/2010	82.1	**0.401**	18.5	5.6	154	-	<0.0002	<0.003	0.111	<0.0002	-	<0.0002	<0.002	0.000381	<0.003	<0.0002	**0.9**	<0.005	<0.002	<0.0001	-	<0.0002	<0.004	<0.005
	#1	2011	11/1/2011	42.7	**0.911**	7.74	2.91	21	-	0.000236	<0.002	0.0288	<0.0002	-	<0.0002	<0.002	0.000358	0.002	0.000702	**0.0604**	<0.003	<0.002	<0.0001	-	<0.0002	<0.004	<0.006
	#1	2013	9/3/2013	38	**0.609**	7.14	3.01	22.4	0.554	<0.002	<0.005	0.0774	<0.001	0.0302	<0.001	<0.002	<0.001	<0.002	<0.001	**0.131**	<0.002	<0.005	<0.001	0.128	<0.002	<0.005	<0.02
	#1	2015	10/13/2015	43.3	**0.539**	9.24	3.18	33.5	0.457	<0.002	<0.005	0.0366	<0.001	0.0407	<0.001	<0.002	<0.001	0.00282	<0.001	**0.176**	<0.002	<0.005	<0.001	0.158	<0.002	<0.005	<0.02
	#1	2017	9/21/2017	35.9	**0.567**	6.55	2.35	17.1	0.433	<0.002	<0.005	0.0576	<0.001	<0.200	<0.001	<0.002	<0.001	0.00335	<0.001	**0.112**	<0.002	<0.005	<0.001	0.124	<0.001	<0.005	<0.020
	#1	2019	10/23/2019	64.7	**0.334**	16.2	4.44	67.9	0.172	<0.002	<0.005	0.0627	<0.001	<0.100	<0.001	<0.002	<0.001	<0.002	<0.001	**0.332**	<0.002	<0.005	<0.001	0.255	<0.001	<0.005	<0.02
	#1	2021	10/13/2021	43.1	**0.442**	8.48	2.83	38.3	0.274	<0.002	<0.005	0.0417	<0.001	<0.10	<0.001	<0.005	<0.001	<0.002	<0.001	**0.182**	<0.002	<0.005	<0.001	0.16	<0.001	<0.005	<0.02
	#2	2001	9/11/2001	-	-	-	-	18.4	-	<0.004	<0.005	<0.05	-	-	<0.0002	<0.02	-	<0.05	<0.005	-	<0.02	<0.005	-	-	<0.0015	-	<0.05
	#2	2002	8/27/2002	-	-	-	-	39.6	-	<0.004	<0.005	<0.061	-	-	<0.0002	<0.02	-	<0.05	<0.005	-	<0.02	<0.005	-	-	<0.0015	-	<0.05
	#2	2003	9/24/2003	-	-	-	-	17.2	-	<0.004	<0.0025	<0.005	-	-	<0.0002	<0.02	-	<0.05	<0.005	-	<0.02	<0.005	-	-	<0.0015	-	<0.05
	#2	2004	7/28/2004	-	-	-	-	25.1	-	<0.004	<0.0025	<0.005	-	-	<0.0002	<0.02	-	<0.05	<0.005	-	<0.02	<0.005	-	-	<0.0015	-	<0.05
	#2	2005	9/15/2005	-	-	-	-	28.8	-	<0.004	0.0034	<0.05	-	-	<0.0002	<0.02	-	<0.05	<0.005	-	<0.02	<0.005	-	-	<0.001	-	<0.05
	#2	2006	10/9/2006	-	-	-	-	27.6	-	<0.004	<0.003	<0.05	-	-	<0.00020	<0.02	-	<0.05	<0.005	-	<0.02	<0.005	-	-	<0.001	-	<0.05
	#2	2007	10/11/2007	-	-	-	-	57.8	-	<0.001	<0.005	0.0666	-	-	<0.0004	<0.002	-	<0.0005	<0.001	-	<0.005	<0.005	-	-	<0.001	-	0.013
	#2	2008	10/23/2008	-	-	-	-	50.2	-	<0.0002	<0.003	0.055	-	-	<0.0002	<0.001	-	<0.001	<0.0002	-	<0.003	<0.002	-	-	<0.0002	-	0.004
	#2	2009	11/5/2009	-	-	-	-	29.1	-	0.000191	0.00088	0.0312	-	-	<0.000043	<0.00024	-	0.00153	0.000203	-	0.00051	<0.00069	-	-	<0.000017	-	0.0013
	#2	2010	9/23/2010	69.8	0.201	17.4	5.46	109	-	0.00023	0.00492	0.103	<0.0002	-	<0.0002	<0.002	0.000449	<0.003	0.000349	**2.14**	<0.005	<0.002	<0.0001	-	<0.0002	<0.004	<0.005
	#2	2011	11/1/2011	40.8	**0.792**	7.47	2.72	20.2	-	0.000226	<0.002	0.0295	<0.0002	-	<0.0002	<0.002	0.000329	0.00205	0.000679	**0.0606**	<0.003	<0.002	<0.0001	-	<0.0002	<0.004	<0.006
	#2	2013	9/3/2013	38.4	**0.442**	7.16	2.98	22.5	0.389	<0.002	<0.005	0.0752	<0.001	0.032	<0.001	<0.002	<0.001	<0.002	<0.001	**0.121**	<0.002	<0.005	<0.001	0.125	<0.002	<0.005	<0.02
	#2	2015	10/13/2015	118	**4.56**	50.4	<1.00	10.8	<0.05	<0.002	0.0102	0.0564	<0.001	0.0887	<0.001	<0.002	<0.001	<0.002	<0.001	**0.348**	<0.002	<0.005	<0.001	0.169	<0.002	<0.005	<0.02
	#2	2017	9/21/2017	39.6	**2.17**	7.39	2.83	17.6	1.68	<0.002	<0.005	0.0739	<0.001	<0.200	<0.001	0.00219	0.00101	0.00488	0.00398	**0.34**	0.00264	<0.005	<0.001	0.133	<0.001	<0.005	<0.020
	#2	2019	10/23/2019	66.8	0.263	17.1	4.98	75.4	0.147	<0.002	<0.005	0.0675	<0.001	<0.10	<0.001	<0.002	<0.001	<0.001	<0.001	**0.188**	<0.002	<0.005	<0.001	0.267	<0.001	<0.005	<0.02
	#2	2021	10/13/2021	44.4	0.233	8.95	2.91	29.2	0.126	<0.002	<0.005	0.0398	<0.001	<0.10	<0.001	<0.005	<0.001	<0.002	<0.001	**0.112**	<0.002	<0.005	<0.001	0.164	<0.001	<0.005	<0.02

"-" Paramiter not sampled for

APPENDIX B – SAMPLING AND INSPECTION METHODS

SURFACE WATER SAMPLING

Surface water sampling was conducted by obtaining single location grab samples in streams, rivers, or ponds around each of the landfills where possible. Efforts are made to collect the samples during low flow times where groundwater contributions are considered to be greater. This monitoring was performed to serve as an indicator of water quality above and below each landfill.

Samples were collected in polyethylene wide-mouth jars ranging in size from 250 ml to 1 liter. Samples were preserved with sulfuric acid, nitric acid, or sodium hydroxide as required and delivered to the lab for analysis. Water temperature is recorded using a Taylor thermometer. These readings are taken at several spots at each sample location and a median reading is reported. Samples were analyzed by Eurofins TestAmerica. Chain-of-custody protocols were followed. Methods used to analyze the samples are below:

Method	Method Description	Preservative	Bottle	Protocol
9056A 28D	Chloride & Sulfate	None	1 liter	SW846
SM 2510B	Specific Conductance			SM
SM 2540C	Solids, Total Dissolved			SM
SM 2320B	Alkalinity	None	500 ml	SM
180.1	Turbidity	None	500 ml	MCAWW
9040B	pH			SW846
6020	Metals	Nitric Acid	500 ml	SW846
7470A	Mercury			SW846
6010C	Boron			SW846
SM 4500 P E	Total Phosphorus as P	Sulfuric Acid	500 ml	SM
410.4 LL	COD			MCAWW
350.1	Ammonia			MCAWW
353.2	Nitrate Nitrite as N			MCAWW
SM 4500 CN I	Cyanide, Weak Acid Dissociable	Sodium Hydroxide	250 ml	SM

Protocol References:
MCAWW = "Methods For Chemical Analysis Of Water And Wastes"
SM = "Standard Methods For The Examination Of Water And Wastewater"
SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods"

BIOLOGICAL SAMPLING

Biological organisms can provide an indication of water quality based on their typical habitat requirements. For example, Psephenidae (Water-Penny) cannot tolerate pollution, high sedimentation, and high amounts of algae or fungi, so their presence is an indicator of good water quality. Other organisms such as isopods (sow bugs) inhabit unpolluted shallows. Amphipods (salamanders), plecopterans (stoneflies), ephemeropterans (mayflies), some odonatans (dragonflies and damselflies), trichopterans (caddis flies) and some gastropods (lymnea) need an abundance of dissolved oxygen (DO) to survive. Dipterans (flies, mosquitoes, and midges) are able to live in low DO environments and are much more tolerant of pollution. Some of these organisms can live in only low current streams; in unpolluted clear waters; occur in debris (masses of leaves and algae); occur under stones; occur in vegetation; occur in mud; found in decaying vegetation; or occur only in ponds. Some organisms have specific physical features such as respiratory tubes (Dipteran larva), which enable those organisms to survive in low DO environments or in highly polluted waters. These ecological characteristics can provide an indication of a clean versus a polluted environment.

Biological water samples were collected at each of the same locations as the water samples taken for chemical analysis. Biological samples were collected using an aquatic kick net with 1000-micron mesh. A kick sampling technique was used to loosen organisms from riffle areas of streams and then the area was swept with the net. Pond areas were swept with the net after making an attempt to stir-up bottom areas near the shoreline. In some locations, rocks and other debris were also picked for organisms. Biological organisms were identified and counted in the field. If organisms could not be identified, samples were placed in 4 oz. Nalgene wide-mouth jars and preserved in 70% isopropyl alcohol. The jars were appropriately labeled and samples taken back to the Health District Office for further identification. If needed, organisms were identified with the aid of a magnifying glass and a Swift Instruments variable magnification (1X-4X) binocular microscope.

GAS SAMPLING

Waste materials in landfills generally decompose under anaerobic conditions resulting in the production of methane gas. Methane is only explosive between certain concentrations. The Lower Explosive Limit (LEL) of methane is 5%. Concentrations below this level are to lean to burn. The Upper Explosive Limit (UEL) of methane is 15%. Concentrations above this level are to rich to burn. Monitoring for methane is often reported as a percentage of the LEL. For example 50% LEL corresponds to 2.5% methane (0.5 X the LEL of 5).

Landfills of the past were not necessarily constructed in a manner that would contain these gases. Therefore, many of the older landfills generate methane gas and, because of design or lack of design, allow the gas being generated to migrate outside of the landfill limits and into the soils and other pathways surrounding the site. As a result, explosive gases have been known to migrate into nearby structures and reach explosive concentrations, thereby posing possible danger to the occupants of the structures.

Gas sampling is conducted in the field by using a punch-bar method and then monitoring the punch hole of 2.5 to 3 feet for the presence of methane (as LEL), carbon monoxide (CO), oxygen (O_2), and hydrogen sulfide (H_2S) with a gas monitor (Honeywell PHD6 gas detector). The gas meter is calibrated according to the manufacturer's recommendations. The results provide a measure of gas production and possible gas migration in the areas on and around the closed landfills.

Because of the type of gas monitor used, CO levels are subject to interference from other components of landfill gas such as Hydrogen, Hydrogen Sulfide, and VOC's. Exposure to these other gases could result in the monitor falsely reporting concentrations of CO. For this reason, CO results reported are used only an indicator. If repeated high concentrations were reported in the same area these concentrations would need to be confirmed by laboratory analysis.

The purpose of the monitoring performed by the WM staff this past year was to gather information as to the need for further concerns about gas migration towards occupied structures within 1000 feet of the limits of the landfill. The landfills monitored by WM staff are landfills which have not been required to develop explosive gas monitoring plans as detailed in OAC 3745-27-12. These rules require contingency procedures if 25% of the LEL (1.25% methane) is found in a structure. WM staff use this same trigger during their monitoring. If the concentration of methane at a given punch bar location is 25% LEL or greater, then an additional punch bar location is monitored. The additional location is in a direction away from the assumed limits of waste and towards any occupied structures. This process is continued until a concentration of less than 25% is encountered. If the monitoring results indicated a need, then an explosive gas plan may be required of the current property owner to ensure controls would prevent gas migration and potential explosive conditions in structures both on- and off-site.

Punch bar gas monitoring is performed based on the theory that gas will rise to the top of the underground surface and be trapped by the cover materials which are less permeable than the waste mass. Since the present-day underground geology is unknown at many of these landfills, it is possible that the gas may be trapped at depths deeper than the target punch bar depth of 2.5 – 3.0 feet. For example gas could have a horizontal "least resistance" pathway through sand and gravel or be impeded from rising to the surface by an impermeable layer of waste/soil within the waste mass. For this reason, it cannot be assumed that because gas was not detected in our monitoring that the landfill is not producing methane, or that this methane is not migrating offsite.

VISUAL INSPECTIONS

Owners of solid waste landfills that ceased acceptance of solid waste prior to post closure care rule implementation do not have any specific requirements to monitor and maintain the sites. Therefore inspectors have limited regulations to guide inspections of these sites. Current inspections include visually looking for issues that could cause a public health nuisance such as exposed waste, leachate outbreaks, erosion, open dumping etc. Explosive gas monitoring structures and/or surface water sampling locations may also be checked during these inspections.

APPENDIX C – SAMPLING AND INSPECTION SCHEDULE

SURFACE WATER SAMPLING - Landfills where surface water sampling is performed are divided into two groups. Groups are then sampled alternating years.

EXPLOSIVE GAS MONITORING - Landfills where gas sampling is performed are monitored each year.

LANDFILL INSPECTIONS - Landfills that are visually inspected are scheduled every 1 - 3 years.

2021 THROUGH 2024 SAMPLING AND INSPECTION SCHEDULE

S = Surface Water sampling
G = Gas sampling

V = Visual inspection and/or Walking of streams

Landfill	2021		2022		2023		2024	
Alexander Sand and Gravel								
Allgeier C&DD					V			
Amberley Village					V			
Anderson Township	V		V		V		V	
Arlington Heights			V				V	
Aston Oaks			V				V	
Bass Island	V				V			
Bernard C&DD	V						V	
Bevis Towing C&DD	V						V	
Blue Ash								
Caravalle			V					
Carmical	V		V	S	V		V	S
Cheviot	V	G	V	G	V	G	V	G
Church Street					V			
Cincinnati Milacron			V				V	
Clarke			V					
Crosby Twp Civic			V				V	
Debolt	V	G	V	G	V	G	V	G
E Miami River Engineer's	V		V		V		V	
Elmwood Place								
Evans	V		V	S	V		V	S
Evendale			V				V	
Fernald								
Geiler C&DD					V			
Glendale	V	G	V	S,G	V	G	V	S,G
Glenway Crossing	V				V			
Golf Manor								
Greenhills	V		V	S	V		V	S
Hamilton County Parks								
Harrison Ave	V						V	
Harrison C&DD								
Harrison	V		V		V		V	
Little Dry Run			V				V	
Lockland Incinerator	V	S,G	V	G	V	S,G	V	G
Lockland Shepherd	V	S			V	S		
Loveland Harper	V		V	S	V		V	S
Mariemont			V				V	
Miamitown				S				S
Miamiview Rd Ash	V				V			
New Balt Autoparts	V		V		V		V	
Old Burkhard Gravel Pit								
Old Galbraith Rd	V				V			
Old Newtown	V	S,G	V	G	V	S,G	V	G
Paul Willis	V		V		V		V	
Reading Incinerator	V		V		V		V	
Schweitzer	V	S			V	S		
St. Bernard	V		V		V		V	
St. Bernard - Oak St	V		V		V		V	
Steelman C&DD	V						V	
Terrace Park	V				V			
Valley Junction								
Wayne C&DD			V					
Wolfer C&DD					V			
Wurzelbacher								
Wyoming	V	S,G	V	G	V	S,G	V	G