

Appendix E  
Summarized Gamma Spectroscopy Results  
Conservative Combined Radium Values

**Untreated Landfill Leachate Investigation Summary - Quarter 1 Results**

Site	Sample ID	Lab ID	Collected Date	Analyzed Date	Lab	Isotope	Results (Raw Data)	Uncertainty (±)	MDC	Calculated Results		
										Reportable Results	Upper Bound Radium	Combined Radium Ra-226 & Ra-228 (pCi/L)
1	010001A1	30457357001	12/21/2021 09:45	3/24/22 20:37	Pace	Radium-226	20.299	32.222	86.23	<MDC	118.452	314.731
1	010001A1	30457357001	12/21/2021 09:45	3/24/22 20:37	Pace	Radium-228	0	47.679	148.6	<MDC	196.279	
1	010001A1	30457357002	12/21/2021 09:45	3/25/22 9:15	Pace	Radium-226	4.966	75.901	91.92	<MDC	167.821	353.18
1	010001A1	30457357002	12/21/2021 09:45	3/25/22 9:15	Pace	Radium-228	0	20.559	164.8	<MDC	185.359	
1	010001A2	30457357003	12/21/2021 09:45	3/25/22 13:31	Pace	Radium-226	693.09	145.07	91.72	693.09	838.16	1077.76
1	010001A2	30457357003	12/21/2021 09:45	3/25/22 13:31	Pace	Radium-228	22.814	121.8	117.8	<MDC	239.6	
1	010001A2	30457357004	12/21/2021 09:45	3/25/22 13:50	Pace	Radium-226	15.071	18.92	89.19	<MDC	108.11	355.04
1	010001A2	30457357004	12/21/2021 09:45	3/25/22 13:50	Pace	Radium-228	57.509	106.23	140.7	<MDC	246.93	
2	020001A1	30457358002	12/21/2021 10:33	3/25/22 14:51	Pace	Radium-226	15.312	28.772	66.87	<MDC	95.642	342.291
2	020001A1	30457358002	12/21/2021 10:33	3/25/22 14:51	Pace	Radium-228	0	49.749	196.9	<MDC	246.649	
2	020001A1	30457358001	12/21/2021 10:33	3/25/22 14:30	Pace	Radium-226	215.09	64.034	77.1	215.09	279.124	477.347
2	020001A1	30457358001	12/21/2021 10:33	3/25/22 14:30	Pace	Radium-228	0	19.623	178.6	<MDC	198.223	
2	020001A2	30457358003	12/21/2021 10:35	3/25/22 15:21	Pace	Radium-226	165.89	93.577	75.06	165.89	259.467	442.188
2	020001A2	30457358003	12/21/2021 10:35	3/25/22 15:21	Pace	Radium-228	28.514	46.621	136.1	<MDC	182.721	
2	020001A2	30457358004	12/21/2021 10:35	3/25/22 15:51	Pace	Radium-226	31.955	59.633	72.27	<MDC	131.903	324.657
2	020001A2	30457358004	12/21/2021 10:35	3/25/22 15:51	Pace	Radium-228	0	44.154	148.6	<MDC	192.754	
3	030001A1	30457359001	12/21/2021 10:10	3/25/22 16:11	Pace	Radium-226	34.186	83.441	80.86	<MDC	164.301	429.811
3	030001A1	30457359001	12/21/2021 10:10	3/25/22 16:11	Pace	Radium-228	25.172	137.51	128	<MDC	265.51	
3	030001A1	30457359002	12/21/2021 10:11	3/25/22 18:05	Pace	Radium-226	74.877	41.959	92.7	<MDC	134.659	298.862
3	030001A1	30457359002	12/21/2021 10:11	3/25/22 18:05	Pace	Radium-228	0	29.203	135	<MDC	164.203	
3	030001A2	30457359003	12/21/2021 10:12	3/25/22 18:07	Pace	Radium-226	35.076	47.616	72.27	<MDC	119.886	335.979
3	030001A2	30457359003	12/21/2021 10:12	3/25/22 18:07	Pace	Radium-228	0	25.493	190.6	<MDC	216.093	
3	030001A2	30457359004	12/21/2021 10:13	3/25/22 19:22	Pace	Radium-226	20.718	39.302	82.66	<MDC	121.962	332.902
3	030001A2	30457359004	12/21/2021 10:13	3/25/22 19:22	Pace	Radium-228	79.047	107.34	103.6	<MDC	210.94	
3	030001A3	30457359005	12/21/2021 10:14	3/25/22 19:23	Pace	Radium-226	0	38.45	105.2	<MDC	143.65	371.644
3	030001A3	30457359005	12/21/2021 10:14	3/25/22 19:23	Pace	Radium-228	0	25.494	202.5	<MDC	227.994	
3	030001A3	30457359006	12/21/2021 10:15	3/25/22 20:31	Pace	Radium-226	0	30.9	86.15	<MDC	117.05	335.346
3	030001A3	30457359006	12/21/2021 10:15	3/25/22 20:31	Pace	Radium-228	39.5	76.596	141.7	<MDC	218.296	
4	040001A1	30457365001	12/20/2021 09:38	3/18/22 14:07	Pace	Radium-226	114.79	73.873	74.71	114.79	188.663	385.907
4	040001A1	30457365001	12/20/2021 09:38	3/18/22 14:07	Pace	Radium-228	0	41.944	155.3	<MDC	197.244	
4	040001A1	30457365002	12/20/2021 09:40	3/18/22 14:11	Pace	Radium-226	119.51	63.608	82.34	119.51	183.118	400.616
4	040001A1	30457365002	12/20/2021 09:40	3/18/22 14:11	Pace	Radium-228	0	39.298	178.2	<MDC	217.498	
4	040001A2	30457365003	12/20/2021 09:41	3/18/22 16:54	Pace	Radium-226	65.197	74.967	92.83	<MDC	167.797	378.346
4	040001A2	30457365003	12/20/2021 09:41	3/18/22 16:54	Pace	Radium-228	0	64.449	146.1	<MDC	210.549	
4	040001A2	30457365004	12/20/2021 09:42	3/18/22 16:55	Pace	Radium-226	3.866	75.873	87.92	<MDC	163.793	360.455
4	040001A2	30457365004	12/20/2021 09:42	3/18/22 16:55	Pace	Radium-228	0	41.962	154.7	<MDC	196.662	

**Untreated Landfill Leachate Investigation Summary - Quarter 1 Results**

Site	Sample ID	Lab ID	Collected Date	Analyzed Date	Lab	Isotope	Results (Raw Data)	Uncertainty (±)	MDC	Calculated Results		
										Reportable Results	Upper Bound Radium	Combined Radium Ra-226 & Ra-228 (pCi/L)
4	040001A3	30457365005	12/20/2021 09:44	3/18/22 22:39	Pace	Radium-226	120.43	71.588	63.15	120.43	192.018	361.998
4	040001A3	30457365005	12/20/2021 09:44	3/18/22 22:39	Pace	Radium-228	0	33.98	136	<MDC	169.98	
4	040001A3	30457365006	12/20/2021 09:45	3/18/22 22:41	Pace	Radium-226	6.141	73.829	82.12	<MDC	155.949	381.516
4	040001A3	30457365006	12/20/2021 09:45	3/18/22 22:41	Pace	Radium-228	0	70.667	154.9	<MDC	225.567	
5	050001A1	30457360001	12/21/2021 09:03	3/25/22 20:32	Pace	Radium-226	32.235	54.687	72.27	<MDC	126.957	343.109
5	050001A1	30457360001	12/21/2021 09:03	3/25/22 20:32	Pace	Radium-228	0	67.452	148.7	<MDC	216.152	
5	050001A1	30457360002	12/21/2021 09:03	3/25/22 21:33	Pace	Radium-226	45.162	57.372	80.86	<MDC	138.232	355.323
5	050001A1	30457360002	12/21/2021 09:03	3/25/22 21:33	Pace	Radium-228	51.766	68.991	148.1	<MDC	217.091	
5	050001A2	30457360003	12/21/2021 09:04	3/25/22 21:39	Pace	Radium-226	47.739	40.123	90.36	<MDC	130.483	336.191
5	050001A2	30457360003	12/21/2021 09:04	3/25/22 21:39	Pace	Radium-228	0	57.008	148.7	<MDC	205.708	
5	050001A2	30457360004	12/21/2021 09:04	3/26/22 14:27	Pace	Radium-226	0	28.322	77.54	<MDC	105.862	325.742
5	050001A2	30457360004	12/21/2021 09:04	3/26/22 14:27	Pace	Radium-228	45.924	110.78	109.1	<MDC	219.88	
6	060001A1	30456969003	12/13/2021 12:28	1/10/22 17:22	Pace	Radium-226	0	160.09	407.6	<MDC	567.69	679.747
6	060001A1	30456969003	12/13/2021 12:28	1/10/22 17:22	Pace	Radium-228	13.216	51.467	60.59	<MDC	112.057	
6	060001A2	30456969004	12/13/2021 12:29	1/10/22 18:42	Pace	Radium-226	0	104.82	198	<MDC	302.82	345.045
6	060001A2	30456969004	12/13/2021 12:29	1/10/22 18:42	Pace	Radium-228	0	12.005	30.22	<MDC	42.225	
6	060001A3	30456969005	12/13/2021 12:31	1/10/22 12:00 AM	Pace	Radium-226	0	170.79	363.1	<MDC	533.89	644.285
6	060001A3	30456969005	12/13/2021 12:31	1/10/22 12:00 AM	Pace	Radium-228	21.262	51.015	59.38	<MDC	110.395	
7	070001A1	30456968001	12/13/2021 08:50	1/5/22 8:54	Pace	Radium-226	14.265	152.02	200.9	<MDC	352.92	398.956
7	070001A1	30456968001	12/13/2021 08:50	1/5/22 8:54	Pace	Radium-228	0	6.636	39.4	<MDC	46.036	
7	070001A2	30456968002	12/13/2021 08:50	1/5/22 10:05	Pace	Radium-226	48.055	130.89	170.9	<MDC	301.79	343.113
7	070001A2	30456968002	12/13/2021 08:50	1/5/22 10:05	Pace	Radium-228	13.61	18.943	22.38	<MDC	41.323	
8	080001A1	30457086001	12/16/2021 09:36	1/10/22 21:30	Pace	Radium-226	37.681	329.11	408.4	<MDC	737.51	836.503
8	080001A1	30457086001	12/16/2021 09:36	1/10/22 21:30	Pace	Radium-228	0	31.853	67.14	<MDC	98.993	
8	080001A2	30457086002	12/16/2021 09:39	1/11/22 10:11	Pace	Radium-226	57.074	147.93	191.2	<MDC	339.13	390.527
8	080001A2	30457086002	12/16/2021 09:39	1/11/22 10:11	Pace	Radium-228	8.092	25.017	26.38	<MDC	51.397	
9	090001A1	30456969001	12/13/2021 09:36	1/5/22 10:06	Pace	Radium-226	34.601	226.99	286.6	<MDC	513.59	589.447
9	090001A1	30456969001	12/13/2021 09:36	1/5/22 10:06	Pace	Radium-228	7.941	33.317	42.54	<MDC	75.857	
9	090001A2	30456969002	12/13/2021 09:36	1/10/22 17:21	Pace	Radium-226	11.176	147.63	192.7	<MDC	340.33	382.399
9	090001A2	30456969002	12/13/2021 09:36	1/10/22 17:21	Pace	Radium-228	13.34	15.669	26.4	<MDC	42.069	
10	100001A1	30457086003	12/16/2021 12:30	1/11/22 10:12	Pace	Radium-226	28.239	207.27	266.7	<MDC	473.97	548.64
10	100001A1	30457086003	12/16/2021 12:30	1/11/22 10:12	Pace	Radium-228	7.683	32.76	41.91	<MDC	74.67	
10	100001A2	30457086004	12/16/2021 12:32	1/11/22 11:23	Pace	Radium-226	0	99.704	197.3	<MDC	297.004	344.348
10	100001A2	30457086004	12/16/2021 12:32	1/11/22 11:23	Pace	Radium-228	20.177	20.574	26.77	<MDC	47.344	
10	100001A3	30457086005	12/16/2021 12:33	1/11/22 11:23	Pace	Radium-226	0	215.84	379.8	<MDC	595.64	679.273
10	100001A3	30457086005	12/16/2021 12:33	1/11/22 11:23	Pace	Radium-228	20.036	37.733	45.9	<MDC	83.633	

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										Reportable Results	Upper Bound Radium	Combined Radium Ra-226 & Ra-228 (pCi/L)
11	110001A1	30457551001	12/27/2021 14:20	3/28/22 14:46	Pace	Radium-226	0	43.106	88.43	<MDC	131.536	363.996
11	110001A1	30457551001	12/27/2021 14:20	3/28/22 14:46	Pace	Radium-228	71.926	125.56	106.9	<MDC	232.46	
11	110001A2	30457551002	12/27/2021 14:20	3/28/22 15:40	Pace	Radium-226	20.367	77.241	72.72	<MDC	149.961	368.268
11	110001A2	30457551002	12/27/2021 14:20	3/28/22 15:40	Pace	Radium-228	119.04	99.267	80.93	119.04	218.307	
12	120001A1	30456415001	12/23/2021 00:00	3/28/22 15:42	Pace	Radium-226	0	11.658	84.24	<MDC	95.898	268.03
12	120001A1	30456415001	12/23/2021 00:00	3/28/22 15:42	Pace	Radium-228	0	19.332	152.8	<MDC	172.132	
12	120001A2	30456415002	12/23/2021 00:00	3/28/22 16:44	Pace	Radium-226	32.261	77.744	72.72	<MDC	150.464	342.568
12	120001A2	30456415002	12/23/2021 00:00	3/28/22 16:44	Pace	Radium-228	29.448	45.004	147.1	<MDC	192.104	
13	130001A1	30457682001	12/29/2021 08:45	3/22/22 12:12	Pace	Radium-226	7.322	13.443	73.19	<MDC	86.633	272.827
13	130001A1	30457682001	12/29/2021 08:45	3/22/22 12:12	Pace	Radium-228	67.369	92.584	93.61	<MDC	186.194	
13	130001A2	30457682002	12/29/2021 08:45	3/22/22 12:13	Pace	Radium-226	0	39.958	94.3	<MDC	134.258	311.951
13	130001A2	30457682002	12/29/2021 08:45	3/22/22 12:13	Pace	Radium-228	32.383	67.393	110.3	<MDC	177.693	
14	140001A1	30457101001	12/17/2021 11:00	1/11/22 15:27	Pace	Radium-226	0	148.39	252.6	<MDC	400.99	450.172
14	140001A1	30457101001	12/17/2021 11:00	1/11/22 15:27	Pace	Radium-228	0	14.502	34.68	<MDC	49.182	
14	140001A2	30457101002	12/17/2021 11:01	1/11/22 15:28	Pace	Radium-226	215.72	243.78	314	<MDC	557.78	645.75
14	140001A2	30457101002	12/17/2021 11:01	1/11/22 15:28	Pace	Radium-228	0	23.95	64.02	<MDC	87.97	
15	150001A1	30457353001	12/21/2021 09:57	3/24/22 15:52	Pace	Radium-226	27.236	41.03	95.02	<MDC	136.05	357.513
15	150001A1	30457353001	12/21/2021 09:57	3/24/22 15:52	Pace	Radium-228	77.428	87.963	133.5	<MDC	221.463	
15	150001A2	30457353002	12/21/2021 09:58	3/24/22 16:37	Pace	Radium-226	14.889	28.817	87.61	<MDC	116.427	362.787
15	150001A2	30457353002	12/21/2021 09:58	3/24/22 16:37	Pace	Radium-228	59.891	124.86	121.5	<MDC	246.36	
15	150001A3	30457353003	12/21/2021 09:59	3/24/22 16:41	Pace	Radium-226	0	36.88	90.36	<MDC	127.24	352.293
15	150001A3	30457353003	12/21/2021 09:59	3/24/22 16:41	Pace	Radium-228	0	76.453	148.6	<MDC	225.053	
16	160001A1	30457092001	12/16/2021 11:25	3/24/22 13:39	Pace	Radium-226	45.974	57.997	77.13	<MDC	135.127	336.301
16	160001A1	30457092001	12/16/2021 11:25	3/24/22 13:39	Pace	Radium-228	31.201	52.874	148.3	<MDC	201.174	
16	160001A2	30457092002	12/16/2021 11:25	3/24/22 13:46	Pace	Radium-226	0	21.814	87.69	<MDC	109.504	297.308
16	160001A2	30457092002	12/16/2021 11:25	3/24/22 13:46	Pace	Radium-228	0	41.804	146	<MDC	187.804	
17	170001A1	30457708001	12/28/2021 08:40	3/21/22 12:54	Pace	Radium-226	0	25.798	91.8	<MDC	117.598	338.607
17	170001A1	30457708001	12/28/2021 08:40	3/21/22 12:54	Pace	Radium-228	47.816	76.009	145	<MDC	221.009	
17	170001A2	30457708002	12/28/2021 08:40	3/21/22 13:37	Pace	Radium-226	38.823	51.002	93.28	<MDC	144.282	336.512
17	170001A2	30457708002	12/28/2021 08:40	3/21/22 13:37	Pace	Radium-228	0	28.73	163.5	<MDC	192.23	
18	180001A1	30457090003	12/16/2021 09:53	3/24/22 12:38	Pace	Radium-226	0	10.828	80.78	<MDC	91.608	266.749
18	180001A1	30457090003	12/16/2021 09:53	3/24/22 12:38	Pace	Radium-228	0	41.241	133.9	<MDC	175.141	
18	180001A2	30457090004	12/16/2021 09:59	3/24/22 12:39	Pace	Radium-226	0	28.773	98.06	<MDC	126.833	375.783
18	180001A2	30457090004	12/16/2021 09:59	3/24/22 12:39	Pace	Radium-228	54.287	100.15	148.8	<MDC	248.95	
19	190001A1	30457706001	12/28/2021 10:54	3/21/22 10:17	Pace	Radium-226	0	23.007	97.15	<MDC	120.157	435.677
19	190001A1	30457706001	12/28/2021 10:54	3/21/22 10:17	Pace	Radium-228	1.971	143.72	171.8	<MDC	315.52	

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										Reportable Results	Upper Bound Radium	Combined Radium Ra-226 & Ra-228 (pCi/L)
19	190001A2	30457706002	12/28/2021 10:54	3/21/22 12:19	Pace	Radium-226	100.02	66.995	69.33	100.02	167.015	388.875
19	190001A2	30457706002	12/28/2021 10:54	3/21/22 12:19	Pace	Radium-228	0	49.56	172.3	<MDC	221.86	
20	200001A1	30457087003	12/17/2021 11:56	03/23/22 19:59	Pace	Radium-226	16.17	29.247	84.43	<MDC	113.677	293.129
20	200001A1	30457087003	12/17/2021 11:56	03/23/22 19:59	Pace	Radium-228	0	51.452	128	<MDC	179.452	
20	200001A2	30457087004	12/17/2021 11:56	03/23/22 20:02	Pace	Radium-226	46.648	49.595	90.36	<MDC	139.955	387.697
20	200001A2	30457087004	12/17/2021 11:56	03/23/22 20:02	Pace	Radium-228	0	57.042	190.7	<MDC	247.742	
21	210001A1	30457703001	12/28/2021 07:55	3/21/22 9:13	Pace	Radium-226	59.984	42.143	71.82	<MDC	113.963	314.093
21	210001A1	30457703001	12/28/2021 07:55	3/21/22 9:13	Pace	Radium-228	68.744	101.78	98.35	<MDC	200.13	
21	210001A2	30457703002	12/28/2021 07:55	3/18/22 20:58	Pace	Radium-226	7.757	58.977	73.38	<MDC	132.357	340.034
21	210001A2	30457703002	12/28/2021 07:55	3/18/22 20:58	Pace	Radium-228	0	25.377	182.3	<MDC	207.677	
22	220001A1	30456966001	12/13/2021 10:00	1/4/22 15:45	Pace	Radium-226	1.191	151.26	200.9	<MDC	352.16	405.366
22	220001A1	30456966001	12/13/2021 10:00	1/4/22 15:45	Pace	Radium-228	0.475	21.156	32.05	<MDC	53.206	
22	220001A2	30456966002	12/13/2021 10:00	1/5/22 8:53	Pace	Radium-226	0	68.873	140.9	<MDC	209.773	236.09
22	220001A2	30456966002	12/13/2021 10:00	1/5/22 8:53	Pace	Radium-228	0	3.477	22.84	<MDC	26.317	
23	230001A1	30457087001	12/17/2021 09:56	3/23/22 16:11	Pace	Radium-226	0	36.416	79.02	<MDC	115.436	297.516
23	230001A1	30457087001	12/17/2021 09:56	3/23/22 16:11	Pace	Radium-228	0	40.28	141.8	<MDC	182.08	
23	230001A2	30457087002	12/17/2021 09:56	3/23/22 16:12	Pace	Radium-226	44.08	45.243	86.23	<MDC	131.473	385.092
23	230001A2	30457087002	12/17/2021 09:56	3/23/22 16:12	Pace	Radium-228	0	51.019	202.6	<MDC	253.619	
24	240001A1	30457093001	12/16/2021 13:35	3/24/22 14:41	Pace	Radium-226	115.01	49.759	56.59	115.01	164.769	469.289
24	240001A1	30457093001	12/16/2021 13:35	3/24/22 14:41	Pace	Radium-228	125.75	160.62	143.9	<MDC	304.52	
24	240001A2	30457093002	12/16/2021 13:35	3/24/22 14:44	Pace	Radium-226	31.481	55.516	98.06	<MDC	153.576	407.742
24	240001A2	30457093002	12/16/2021 13:35	3/24/22 14:44	Pace	Radium-228	132.11	89.966	164.2	<MDC	254.166	
24	240001A3	30457093003	12/16/2021 13:35	3/24/22 15:39	Pace	Radium-226	110.39	78.161	70.84	110.39	188.551	463.671
24	240001A3	30457093003	12/16/2021 13:35	3/24/22 15:39	Pace	Radium-228	87.238	119.22	155.9	<MDC	275.12	
25	250001A1	30457699001	12/28/2021 00:07	3/28/22 16:45	Pace	Radium-226	47.778	63.338	69.49	<MDC	132.828	429.648
25	250001A1	30457699001	12/28/2021 00:07	3/28/22 16:45	Pace	Radium-228	62.51	136.72	160.1	<MDC	296.82	
25	250001A2	30457699002	12/28/2021 00:08	3/28/22 18:56	Pace	Radium-226	28.35	31.694	72.72	<MDC	104.414	329.234
25	250001A2	30457699002	12/28/2021 00:08	3/28/22 18:56	Pace	Radium-228	120.61	104.21	101.9	120.61	224.82	
25	250001A3	30457699003	12/28/2021 00:09	3/28/22 18:55	Pace	Radium-226	34.782	62.069	74.65	<MDC	136.719	356.628
25	250001A3	30457699003	12/28/2021 00:09	3/28/22 18:55	Pace	Radium-228	103.02	45.609	174.3	<MDC	219.909	
26	260001A1	30457703003	12/28/2021 07:55	3/21/22 9:21	Pace	Radium-226	0	16.193	92.55	<MDC	108.743	284.147
26	260001A1	30457703003	12/28/2021 07:55	3/21/22 9:21	Pace	Radium-228	40.212	67.904	107.5	<MDC	175.404	
26	260001A2	30457703004	12/28/2021 07:55	3/21/22 10:16	Pace	Radium-226	28.199	25.258	78.47	<MDC	103.728	291.783
26	260001A2	30457703004	12/28/2021 07:55	3/21/22 10:16	Pace	Radium-228	64.318	95.545	92.51	<MDC	188.055	
27	270001A1	30457088001	12/16/2021 13:45	3/23/22 21:02	Pace	Radium-226	32.947	72.057	71.14	<MDC	143.197	351.43
27	270001A1	30457088001	12/16/2021 13:45	3/23/22 21:02	Pace	Radium-228	0	48.033	160.2	<MDC	208.233	

**Untreated Landfill Leachate Investigation Summary - Quarter 1 Results**

Site	Sample ID	Lab ID	Collected Date	Analyzed Date	Lab	Isotope	Results (Raw Data)	Uncertainty (±)	MDC	Calculated Results		
										Reportable Results	Upper Bound Radium	Combined Radium Ra-226 & Ra-228 (pCi/L)
27	270001A2	30457088002	12/16/2021 13:45	3/23/22 21:09	Pace	Radium-226	0	23.07	90.36	<MDC	113.43	313.266
27	270001A2	30457088002	12/16/2021 13:45	3/23/22 21:09	Pace	Radium-228	0	51.036	148.8	<MDC	199.836	
28	280001A1	30457088003	12/16/2021 13:45	3/24/22 9:58	Pace	Radium-226	46.254	39.119	73.19	<MDC	112.309	363.559
28	280001A1	30457088003	12/16/2021 13:45	3/24/22 9:58	Pace	Radium-228	67.397	123.15	128.1	<MDC	251.25	
28	280001A2	30457088004	12/16/2021 13:45	3/24/22 9:59	Pace	Radium-226	58.088	47.483	76.22	<MDC	123.703	371.343
28	280001A2	30457088004	12/16/2021 13:45	3/24/22 9:59	Pace	Radium-228	113.28	110.14	137.5	<MDC	247.64	
29	290001A1	30457090001	12/16/2021 08:42	3/24/22 11:07	Pace	Radium-226	49.938	57.682	73.19	<MDC	130.872	322.565
29	290001A1	30457090001	12/16/2021 08:42	3/24/22 11:07	Pace	Radium-228	0	49.793	141.9	<MDC	191.693	
29	290001A2	30457090002	12/16/2021 08:43	3/24/22 11:07	Pace	Radium-226	31.383	49.845	86.23	<MDC	136.075	329.998
29	290001A2	30457090002	12/16/2021 08:43	3/24/22 11:07	Pace	Radium-228	0	62.523	131.4	<MDC	193.923	
30	300001A1	30457085002	12/15/2021 09:20	3/29/22 20:26	Pace	Radium-226	0	124.22	194.2	<MDC	318.42	360.289
30	300001A1	30457085002	12/15/2021 09:20	3/29/22 20:26	Pace	Radium-228	8.094	20.249	21.62	<MDC	41.869	
30	300001A1	30457085001	12/15/21 9:20	1/10/22 19:48	Pace	Radium-226	0	74.009	183.3	<MDC	257.309	300.644
30	300001A1	30457085001	12/15/21 9:20	1/10/22 19:48	Pace	Radium-228	3.57	20.845	22.49	<MDC	43.335	
30	300001A2	30457085002	12/15/21 9:20	3/29/22 20:26	Pace	Radium-226	0	36.069	92.24	<MDC	128.309	303.205
30	300001A2	30457085002	12/15/21 9:20	3/29/22 20:26	Pace	Radium-228	54.384	69.796	105.1	<MDC	174.896	
31	310001A1	30457331001	12/21/2021 09:39	3/24/22 17:50	Pace	Radium-226	73.285	41.806	89.49	<MDC	131.296	317.389
31	310001A1	30457331001	12/21/2021 09:39	3/24/22 17:50	Pace	Radium-228	29.216	51.093	135	<MDC	186.093	
31	310001A2	30457331002	12/21/2021 09:39	3/24/22 17:51	Pace	Radium-226	37.393	60.163	72.27	<MDC	132.433	355.029
31	310001A2	30457331002	12/21/2021 09:39	3/24/22 17:51	Pace	Radium-228	1.699	91.396	131.2	<MDC	222.596	
31	310001A3	30457331003	12/21/2021 09:39	3/24/22 19:17	Pace	Radium-226	84.353	49.008	73.19	84.353	133.361	317.418
31	310001A3	30457331003	12/21/2021 09:39	3/24/22 19:17	Pace	Radium-228	0	56.157	127.9	<MDC	184.057	
32	320001A1	30457331004	12/21/2021 12:20	3/24/22 19:18	Pace	Radium-226	32.409	54.082	66.9	<MDC	120.982	394.061
32	320001A1	30457331004	12/21/2021 12:20	3/24/22 19:18	Pace	Radium-228	0	82.579	190.5	<MDC	273.079	
32	320001A2	30457331005	12/21/2021 12:20	3/24/22 20:36	Pace	Radium-226	0	35.515	80.86	<MDC	116.375	241.731
32	320001A2	30457331005	12/21/2021 12:20	3/24/22 20:36	Pace	Radium-228	0	13.056	112.3	<MDC	125.356	
33	330001A1	30457497008	12/21/2021 11:52	3/18/22 19:25	Pace	Radium-226	6.851	68.857	82.83	<MDC	151.687	366.035
33	330001A1	30457497008	12/21/2021 11:52	3/18/22 19:25	Pace	Radium-228	0	59.648	154.7	<MDC	214.348	
33	330001A2	30457497009	12/21/2021 11:53	3/18/22 20:57	Pace	Radium-226	97.63	67.202	60.47	97.63	164.832	424.202
33	330001A2	30457497009	12/21/2021 11:53	3/18/22 20:57	Pace	Radium-228	15.603	135.77	123.6	<MDC	259.37	
34	340001A1	30457497001	12/21/2021 09:29	3/18/22 9:01	Pace	Radium-226	38.142	26.788	62.38	<MDC	89.168	309.338
34	340001A1	30457497001	12/21/2021 09:29	3/18/22 9:01	Pace	Radium-228	22.235	115.87	104.3	<MDC	220.17	
34	340001A2	30457497002	12/21/2021 09:32	3/18/22 9:02	Pace	Radium-226	46.825	26.876	49.98	<MDC	76.856	293.473
34	340001A2	30457497002	12/21/2021 09:32	3/18/22 9:02	Pace	Radium-228	65.578	99.417	117.2	<MDC	216.617	
35	350001A1	30457361005	12/21/2021 11:12	3/26/22 16:32	Pace	Radium-226	16.012	66.133	81.93	<MDC	148.063	444.653
35	350001A1	30457361005	12/21/2021 11:12	3/26/22 16:32	Pace	Radium-228	5.918	129.49	167.1	<MDC	296.59	

**Untreated Landfill Leachate Investigation Summary - Quarter 1 Results**

Site	Sample ID	Lab ID	Collected Date	Analyzed Date	Lab	Isotope	Results (Raw Data)	Uncertainty (±)	MDC	Calculated Results		
										Reportable Results	Upper Bound Radium	Combined Radium Ra-226 & Ra-228 (pCi/L)
35	350001A2	30457361006	12/21/2021 11:13	3/28/22 11:14	Pace	Radium-226	28.813	56.854	76.68	<MDC	133.534	426.424
35	350001A2	30457361006	12/21/2021 11:13	3/28/22 11:14	Pace	Radium-228	-53.92	158.89	134	<MDC	292.89	
36	360001A1	30456970001	12/22/2021 11:00	3/28/22 13:31	Pace	Radium-226	34.16	37.322	79.45	<MDC	116.772	361.41
36	360001A1	30456970001	12/22/2021 11:00	3/28/22 13:31	Pace	Radium-228	0	57.038	187.6	<MDC	244.638	
36	360001A2	30456970002	12/22/2021 11:00	3/28/22 14:40	Pace	Radium-226	0	32.238	87.46	<MDC	119.698	306.578
36	360001A2	30456970002	12/22/2021 11:00	3/28/22 14:40	Pace	Radium-228	0	28.58	158.3	<MDC	186.88	
37	370001A1	30457361003	12/21/2021 10:12	3/26/22 15:28	Pace	Radium-226	17.497	32.767	84.07	<MDC	116.837	303.718
37	370001A1	30457361003	12/21/2021 10:12	3/26/22 15:28	Pace	Radium-228	61.74	74.181	112.7	<MDC	186.881	
37	370001A2	30457361004	12/21/2021 10:13	3/26/22 16:29	Pace	Radium-226	0	35.68	71.14	<MDC	106.82	303.091
37	370001A2	30457361004	12/21/2021 10:13	3/26/22 16:29	Pace	Radium-228	33.11	54.471	141.8	<MDC	196.271	
38	380001A1	30457155001	12/16/2021 9:53	1/11/22 21:09	Pace	Radium-226	3.915	234.76	311.8	<MDC	546.56	604.972
38	380001A1	30457155001	12/16/2021 9:53	1/11/22 21:09	Pace	Radium-228	0	11.093	47.32	<MDC	58.413	
38	380001A2	30457155002	12/16/2021 9:55	1/11/22 21:10	Pace	Radium-226	0	184.06	518.4	<MDC	702.46	836.491
38	380001A2	30457155002	12/16/2021 9:55	1/11/22 21:10	Pace	Radium-228	17.782	58.121	75.91	<MDC	134.031	
39	390001A1	30457497006	12/21/2021 10:34	3/18/22 11:22	Pace	Radium-226	18.387	25.685	95.13	<MDC	120.815	294.466
39	390001A1	30457497006	12/21/2021 10:34	3/18/22 11:22	Pace	Radium-228	50.387	54.351	119.3	<MDC	173.651	
39	390001A2	30457497007	12/21/2021 10:35	3/18/22 19:24	Pace	Radium-226	63.318	38.387	60.47	63.318	101.705	342.755
39	390001A2	30457497007	12/21/2021 10:35	3/18/22 19:24	Pace	Radium-228	10.717	125.15	115.9	<MDC	241.05	
40	400001A1	30457155003	12/16/2021 11:45	1/11/22 22:19	Pace	Radium-226	194.68	250.24	327.1	<MDC	577.34	652.15
40	400001A1	30457155003	12/16/2021 11:45	1/11/22 22:19	Pace	Radium-228	22.705	24.55	50.26	<MDC	74.81	
40	400001A2	30457155004	12/16/2021 11:43	1/11/22 22:35	Pace	Radium-226	0	205.28	438.4	<MDC	643.68	759.494
40	400001A2	30457155004	12/16/2021 11:43	1/11/22 22:35	Pace	Radium-228	4.131	48.164	67.65	<MDC	115.814	
41	410001A1	30457457005	12/21/2021 12:50	3/17/22 14:59	Pace	Radium-226	0	45.062	84.32	<MDC	129.382	321.719
41	410001A1	30457457005	12/21/2021 12:50	3/17/22 14:59	Pace	Radium-228	53.252	39.737	152.6	<MDC	192.337	
41	410001A2	30457457006	12/21/2021 12:50	3/17/22 15:00	Pace	Radium-226	47.207	57.864	70.56	<MDC	128.424	338.98
41	410001A2	30457457006	12/21/2021 12:50	3/17/22 15:00	Pace	Radium-228	0	14.956	195.6	<MDC	210.556	
42	420001A1	30457155005	12/17/2021 13:04	1/12/22 17:52	Pace	Radium-226	0	120.89	344.7	<MDC	465.59	538.298
42	420001A1	30457155005	12/17/2021 13:04	1/12/22 17:52	Pace	Radium-228	12.343	21.478	51.23	<MDC	72.708	
42	420001A2	30457155006	12/17/2021 13:02	1/12/22 17:53	Pace	Radium-226	0	259.66	466.6	<MDC	726.26	835.908
42	420001A2	30457155006	12/17/2021 13:02	1/12/22 17:53	Pace	Radium-228	0	18.068	91.58	<MDC	109.648	
43	430001A1	30457457007	12/21/2021 12:50	3/17/22 15:57	Pace	Radium-226	43.995	65.154	59.2	<MDC	124.354	271.117
43	430001A1	30457457007	12/21/2021 12:50	3/17/22 15:57	Pace	Radium-228	0	19.663	127.1	<MDC	146.763	
43	430001A2	30457457008	12/21/2021 12:50	3/17/22 15:58	Pace	Radium-226	0	28.554	69.02	<MDC	97.574	331.694
43	430001A2	30457457008	12/21/2021 12:50	3/17/22 15:58	Pace	Radium-228	10.323	103.92	130.2	<MDC	234.12	
44	440001A1	30457457001	12/21/2021 10:25	3/17/22 17:34	Pace	Radium-226	34.358	27.596	46.54	<MDC	74.136	195.307
44	440001A1	30457457001	12/21/2021 10:25	3/17/22 17:34	Pace	Radium-228	0	46.341	74.83	<MDC	121.171	

**Untreated Landfill Leachate Investigation Summary - Quarter 1 Results**

Site	Sample ID	Lab ID	Collected Date	Analyzed Date	Lab	Isotope	Results (Raw Data)	Uncertainty (±)	MDC	Calculated Results		
										Reportable Results	Upper Bound Radium	Combined Radium Ra-226 & Ra-228 (pCi/L)
44	440001A2	30457457002	12/21/2021 10:25	3/17/22 17:36	Pace	Radium-226	56.983	50	45.06	56.983	106.983	227.262
44	440001A2	30457457002	12/21/2021 10:25	3/17/22 17:36	Pace	Radium-228	0	35.259	85.02	<MDC	120.279	
45	450001A1	30457457003	12/21/2021 11:30	3/17/22 10:27	Pace	Radium-226	51.996	26.194	28.4	51.996	78.19	165.436
45	450001A1	30457457003	12/21/2021 11:30	3/17/22 10:27	Pace	Radium-228	0	21.276	65.97	<MDC	87.246	
45	450001A2	30457457004	12/21/2021 11:30	3/17/22 10:28	Pace	Radium-226	43.296	32.006	34.49	43.296	75.302	165.929
45	450001A2	30457457004	12/21/2021 11:30	3/17/22 10:28	Pace	Radium-228	0	26.807	63.82	<MDC	90.627	
46	460001A1	30457497003	12/21/2021 11:38	3/18/22 10:23	Pace	Radium-226	0	51.272	95.04	<MDC	146.312	367.822
46	460001A1	30457497003	12/21/2021 11:38	3/18/22 10:23	Pace	Radium-228	31.523	113.21	108.3	<MDC	221.51	
46	460001A2	30457497004	12/21/2021 11:40	3/18/22 10:24	Pace	Radium-226	0	39.192	83.61	<MDC	122.802	370.071
46	460001A2	30457497004	12/21/2021 11:40	3/18/22 10:24	Pace	Radium-228	23.835	36.769	210.5	<MDC	247.269	
46	460001A3	30457497005	12/21/2021 11:42	3/18/22 11:21	Pace	Radium-226	58.948	55.718	67.47	<MDC	123.188	344.878
46	460001A3	30457497005	12/21/2021 11:42	3/18/22 11:21	Pace	Radium-228	18.859	114.29	107.4	<MDC	221.69	
47	470001A1	30457155007	12/17/2021 9:47	1/13/22 9:21	Pace	Radium-226	47.125	214.89	285.7	<MDC	500.59	563.277
47	470001A1	30457155007	12/17/2021 9:47	1/13/22 9:21	Pace	Radium-228	17.768	16.487	46.2	<MDC	62.687	
47	470001A2	30457155008	12/17/2021 9:48	1/13/22 9:22	Pace	Radium-226	0	117.25	560.5	<MDC	677.75	805.577
47	470001A2	30457155008	12/17/2021 9:48	1/13/22 9:22	Pace	Radium-228	0	35.337	92.49	<MDC	127.827	
47	470001A3	30457155009	12/17/2021 9:49	1/13/22 10:51	Pace	Radium-226	9.703	341.87	451	<MDC	792.87	919.499
47	470001A3	30457155009	12/17/2021 9:49	1/13/22 10:51	Pace	Radium-228	0	34.139	92.49	<MDC	126.629	
48	480001A1	30457361007	12/21/2021 12:10	3/28/22 11:15	Pace	Radium-226	0	33.52	74.66	<MDC	108.18	336.087
48	480001A1	30457361007	12/21/2021 12:10	3/28/22 11:15	Pace	Radium-228	0	67.507	160.4	<MDC	227.907	
48	480001A2	30457361008	12/21/2021 12:12	3/28/22 13:30	Pace	Radium-226	0	30.904	81.52	<MDC	112.424	354.314
48	480001A2	30457361008	12/21/2021 12:12	3/28/22 13:30	Pace	Radium-228	37.593	129.99	111.9	<MDC	241.89	
49	490001A1	30457361001	12/21/2021 09:09	3/26/22 14:29	Pace	Radium-226	0	37.763	98.26	<MDC	136.023	343.187
49	490001A1	30457361001	12/21/2021 09:09	3/26/22 14:29	Pace	Radium-228	55.632	61.364	145.8	<MDC	207.164	
49	490001A2	30457361002	12/21/2021 09:10	3/26/22 15:27	Pace	Radium-226	0	29.133	82.66	<MDC	111.793	317.666
49	490001A2	30457361002	12/21/2021 09:10	3/26/22 15:27	Pace	Radium-228	36.986	51.573	154.3	<MDC	205.873	

**Untreated Landfill Leachate Investigation Summary - Quarter 2 Results**

Site	Sample ID	Lab ID	Collected Date	Analyzed Date	Lab	Isotope	Results (Raw Data)	Uncertainty (±)	MDC	Calculated Results		
										Reportable Results	Upper Bound Radium	Combined Radium Ra-226 & Ra-228 (pCi/L)
1	010002A1	30469009001	02/24/2022 11:24	4/22/22 11:14	Pace	Radium-226	0	41.41	82.12	<MDC	123.53	336.61
1	010002A1	30469009001	02/24/2022 11:24	4/22/22 11:14	Pace	Radium-228	0	61.68	151.4	<MDC	213.08	
2	020002A1	30468848001	02/23/2022 10:04	4/22/22 13:58	Pace	Radium-228	12.742	114.99	151.5	<MDC	266.49	389.763
2	020002A1	30468848001	02/23/2022 10:04	4/22/22 13:58	Pace	Radium-226	28.66	41.153	82.12	<MDC	123.273	
3	030002A1	30470405001	03/01/2022 11:30	4/22/22 16:12	Pace	Radium-226	24.751	24.054	90.59	<MDC	114.644	289.096
3	030002A1	30470405001	03/01/2022 11:30	4/22/22 16:12	Pace	Radium-228	0	39.752	134.7	<MDC	174.452	
3	030002B1	572035001	3/1/2022 0:00	3/24/22 19:29	GEL	Radium-226	-15.9	89.4	136	<MDC	225.4	273.6
3	030002B1	572035001	3/1/2022 0:00	3/24/22 19:29	GEL	Radium-228	-5.25	18.6	29.6	<MDC	48.2	
4	040002A1	30468843001	02/23/2022 13:14	4/22/22 13:57	Pace	Radium-226	27.332	31.734	76.82	<MDC	108.554	264.154
4	040002A1	30468843001	02/23/2022 13:14	4/22/22 13:57	Pace	Radium-228	0	36.5	119.1	<MDC	155.6	
5	050002A1	30468866001	02/23/2022 09:57	4/22/22 15:06	Pace	Radium-228	86.359	74.541	111.1	<MDC	185.641	301.391
5	050002A1	30468866001	02/23/2022 09:57	4/22/22 15:06	Pace	Radium-226	0	35.18	80.57	<MDC	115.75	
6	060002A1	30467456001	02/16/2022 08:25	4/22/22 8:33	Pace	Radium-226	18.266	31.321	72.87	<MDC	104.191	284.626
6	060002A1	30467456001	02/16/2022 08:25	4/22/22 8:33	Pace	Radium-228	0	46.635	133.8	<MDC	180.435	
7	070002A1	30472471001	03/09/2022 09:55	4/25/22 13:20	Pace	Radium-226	33.429	36.625	83.17	<MDC	119.795	328.262
7	070002A1	30472471001	03/09/2022 09:55	4/25/22 13:20	Pace	Radium-228	53.44	92.367	116.1	<MDC	208.467	
8	080002A1	30475463001	03/22/2022 11:45	5/3/22 12:19	Pace	Radium-226	68.826	86.565	74.69	<MDC	161.255	311.577
8	080002A1	30475463001	03/22/2022 11:45	5/3/22 12:19	Pace	Radium-228	0	15.722	134.6	<MDC	150.322	
8	080002A2	30475310001	03/22/2022 11:45	5/3/22 19:14	Pace	Radium-228	39.925	55.945	143.3	<MDC	199.245	318.448
8	080002A2	30475310001	03/22/2022 11:45	5/3/22 19:14	Pace	Radium-226	0	25.503	93.7	<MDC	119.203	
9	090002A1	30468478001	02/22/2022 12:23	4/22/22 16:10	Pace	Radium-226	4.346	68.101	68.67	<MDC	136.771	381.841
9	090002A1	30468478001	02/22/2022 12:23	4/22/22 16:10	Pace	Radium-228	45.634	125.97	119.1	<MDC	245.07	
10	100002A1	30467449001	02/16/2022 09:45	4/22/22 9:41	Pace	Radium-226	21.64	22.17	76.82	<MDC	98.99	238.724
10	100002A1	30467449001	02/16/2022 09:45	4/22/22 9:41	Pace	Radium-228	0	12.934	126.8	<MDC	139.734	
11	110002A1	30470510001	03/01/2022 10:00	4/22/22 19:01	Pace	Radium-228	0	15.775	157.9	<MDC	173.675	278.7
11	110002A1	30470510001	03/01/2022 10:00	4/22/22 19:01	Pace	Radium-226	14.241	19.155	85.87	<MDC	105.025	
12	120002A1	30470986001	03/07/2022 10:41	4/25/22 11:25	Pace	Radium-226	13.466	25.151	88.51	<MDC	113.661	318.051
12	120002A1	30470986001	03/07/2022 10:41	4/25/22 11:25	Pace	Radium-228	71.761	112.64	91.75	<MDC	204.39	
13	130002A1	30473149001	03/10/2022 09:30	4/29/22 15:14	Pace	Radium-228	46.047	132.71	110.1	<MDC	242.81	355.223
13	130002A1	30473149001	03/10/2022 09:30	4/29/22 15:14	Pace	Radium-226	58.621	53.792	52.8	58.621	112.413	
14	140002A1	30475945001	03/25/2022 10:28	5/3/22 21:35	Pace	Radium-228	24.66	62.862	104.8	<MDC	167.662	285.44
14	140002A1	30475945001	03/25/2022 10:28	5/3/22 21:35	Pace	Radium-226	35.28	41.288	76.49	<MDC	117.778	
14	140002B1	574822001	3/25/2022 0:00	4/9/22 18:48	GEL	Radium-226	-7.36	70.1	129	<MDC	199.1	250.6
14	140002B1	574822001	3/25/2022 0:00	4/9/22 18:48	GEL	Radium-228	0.7	18.8	32.7	<MDC	51.5	
15	150002A1	30473240001	03/08/2022 10:19	4/25/22 16:53	Pace	Radium-228	66.919	123.48	101.3	<MDC	224.78	325.72
15	150002A1	30473240001	03/08/2022 10:19	4/25/22 16:53	Pace	Radium-226	0	23.03	77.91	<MDC	100.94	

**Untreated Landfill Leachate Investigation Summary - Quarter 2 Results**

Site	Sample ID	Lab ID	Collected Date	Analyzed Date	Lab	Isotope	Results (Raw Data)	Uncertainty (±)	MDC	Calculated Results		
										Reportable Results	Upper Bound Radium	Combined Radium Ra-226 & Ra-228 (pCi/L)
16	160002A1	30474525001	03/16/2022 13:35	5/3/22 13:23	Pace	Radium-226	72.719	76.608	66.27	72.719	149.327	346.444
16	160002A1	30474525001	03/16/2022 13:35	5/3/22 13:23	Pace	Radium-228	0	43.617	153.5	<MDC	197.117	
16	160002A2	30474530001	03/16/2022 13:35	5/3/22 13:23	Pace	Radium-226	24.466	38.939	76.49	<MDC	115.429	341.587
16	160002A2	30474530001	03/16/2022 13:35	5/3/22 13:23	Pace	Radium-228	0	53.258	172.9	<MDC	226.158	
17	170002A1	30470721001	03/04/2022 09:20	4/29/22 8:30	Pace	Radium-228	22.13	88.101	116.4	<MDC	204.501	312.715
17	170002A1	30470721001	03/04/2022 09:20	4/29/22 8:30	Pace	Radium-226	23.015	39.694	68.52	<MDC	108.214	
18	180002A1	30470396001	03/01/2022 08:12	4/29/22 9:31	Pace	Radium-226	13.28	75.882	74.02	<MDC	149.902	356.022
18	180002A1	30470396001	03/01/2022 08:12	4/29/22 9:31	Pace	Radium-228	88.135	114.06	92.06	<MDC	206.12	
18	180002B1	572076001	3/1/2022 0:00	3/24/22 19:30	GEL	Radium-228	-2.87	17.1	29.1	<MDC	46.2	269.2
18	180002B1	572076001	3/1/2022 0:00	3/24/22 19:30	GEL	Radium-226	96.2	120	103	<MDC	223	
19	190002A1	30468476001	02/22/2022 12:00	4/22/22 12:49	Pace	Radium-226	62.324	70.899	68.67	<MDC	139.569	343.157
19	190002A1	30468476001	02/22/2022 12:00	4/22/22 12:49	Pace	Radium-228	0	39.788	163.8	<MDC	203.588	
19	190002A2	30468476002	02/22/2022 12:01	4/22/22 12:50	Pace	Radium-228	23.153	29.654	166.2	<MDC	195.854	307.443
19	190002A2	30468476002	02/22/2022 12:01	4/22/22 12:50	Pace	Radium-226	0	13.319	98.27	<MDC	111.589	
20	200002A1	30473474001	03/10/2022 12:22	5/2/22 20:47	Pace	Radium-226	112.09	46.055	59.51	112.09	158.145	403.029
20	200002A1	30473474001	03/10/2022 12:22	5/2/22 20:47	Pace	Radium-228	0	58.984	185.9	<MDC	244.884	
21	210002A1	30476945001	03/30/2022 14:31	5/3/22 11:12 AM	Pace	Radium-226	22.009	25.95	72.68	<MDC	98.63	279.585
21	210002A1	30476945001	03/30/2022 14:31	5/3/22 11:12 AM	Pace	Radium-228	0	53.555	127.4	<MDC	180.955	
22	220002A1	30468323001	02/17/2022 10:45	4/22/22 10:47	Pace	Radium-226	0	14.566	78.72	<MDC	93.286	268.466
22	220002A1	30468323001	02/17/2022 10:45	4/22/22 10:47	Pace	Radium-228	0	48.38	126.8	<MDC	175.18	
22	220002A2	30468321001	02/17/2022 10:45	4/22/22 15:07	Pace	Radium-226	46.263	48.886	54.74	<MDC	103.626	295.335
22	220002A2	30468321001	02/17/2022 10:45	4/22/22 15:07	Pace	Radium-228	0	39.909	151.8	<MDC	191.709	
23	230002A1	30473492001	03/10/2022 09:58	5/2/22 21:34	Pace	Radium-226	42.61	63.694	74.69	<MDC	138.384	328.152
23	230002A1	30473492001	03/10/2022 09:58	5/2/22 21:34	Pace	Radium-228	0	54.668	135.1	<MDC	189.768	
24	240002A1	30474540001	03/16/2022 10:25	5/3/22 17:00	Pace	Radium-228	0.45	160.85	147.6	<MDC	308.45	472.597
24	240002A1	30474540001	03/16/2022 10:25	5/3/22 17:00	Pace	Radium-226	82.738	81.409	74.69	82.738	164.147	
24	240002B1	573718001	3/16/2022 0:00	3/24/22 23:30	GEL	Radium-226	66.1	166	147	<MDC	313	488
24	240002B1	573718001	3/16/2022 0:00	3/24/22 23:30	GEL	Radium-228	139	36	31.9	139	175	
25	250002A1	30474711001	03/17/2022 10:34	5/3/22 17:01	Pace	Radium-228	88.548	105.25	143.5	<MDC	248.75	387.287
25	250002A1	30474711001	03/17/2022 10:34	5/3/22 17:01	Pace	Radium-226	0	44.837	93.7	<MDC	138.537	
26	260002A1	30476499001	03/29/2022 11:12	5/4/22 10:21	Pace	Radium-226	51.819	80.685	70.61	<MDC	151.295	287.185
26	260002A1	30476499001	03/29/2022 11:12	5/4/22 10:21	Pace	Radium-228	0	15.69	120.2	<MDC	135.89	
26	260002A2	30476499002	03/29/2022 11:12	5/4/22 12:47	Pace	Radium-226	59.626	71.178	63.98	<MDC	135.158	342.938
26	260002A2	30476499002	03/29/2022 11:12	5/4/22 12:47	Pace	Radium-228	58.099	103.68	104.1	<MDC	207.78	
27	270002A1	30470734001	03/03/2022 11:31	4/29/22 8:29	Pace	Radium-228	36.473	132.49	110.3	<MDC	242.79	360.069
27	270002A1	30470734001	03/03/2022 11:31	4/29/22 8:29	Pace	Radium-226	0	35.679	81.6	<MDC	117.279	

**Untreated Landfill Leachate Investigation Summary - Quarter 2 Results**

Site	Sample ID	Lab ID	Collected Date	Analyzed Date	Lab	Isotope	Results (Raw Data)	Uncertainty (±)	MDC	Calculated Results		
										Reportable Results	Upper Bound Radium	Combined Radium Ra-226 & Ra-228 (pCi/L)
27	270002A2	30470412001	03/03/2022 11:31	4/25/22 16:54	Pace	Radium-226	0	36.067	106.2	<MDC	142.267	386.183
27	270002A2	30470412001	03/03/2022 11:31	4/25/22 16:54	Pace	Radium-228	0	77.516	166.4	<MDC	243.916	
28	280002A1	30470528001	02/28/2022 15:42	4/22/22 19:04	Pace	Radium-226	18.623	80.77	90.59	<MDC	171.36	438.75
28	280002A1	30470528001	02/28/2022 15:42	4/22/22 19:04	Pace	Radium-228	25.295	116.19	151.2	<MDC	267.39	
29	290002A1	30470108001	03/01/2022 09:53	4/25/22 13:19	Pace	Radium-228	5.834	140.62	118.3	<MDC	258.92	369.883
29	290002A1	30470108001	03/01/2022 09:53	4/25/22 13:19	Pace	Radium-226	0	31.183	79.78	<MDC	110.963	
29	290002A2	30470339001	03/01/2022 09:50	4/25/22 11:26	Pace	Radium-226	6.434	63.623	78.62	<MDC	142.243	333.908
29	290002A2	30470339001	03/01/2022 09:50	4/25/22 11:26	Pace	Radium-228	0	25.165	166.5	<MDC	191.665	
30	300002A1	30467453001	02/16/2022 11:00	4/22/22 9:50	Pace	Radium-226	0	40.69	82.12	<MDC	122.81	327.957
30	300002A1	30467453001	02/16/2022 11:00	4/22/22 9:50	Pace	Radium-228	0	25.247	179.9	<MDC	205.147	
30	300002A2	30467448001	02/16/2022 11:00	4/22/22 8:37	Pace	Radium-226	24.751	24.054	72.56	<MDC	96.614	313.607
30	300002A2	30467448001	02/16/2022 11:00	4/22/22 8:37	Pace	Radium-228	0	50.493	166.5	<MDC	216.993	
31	310002A1	30475079001	03/22/2022 10:00	5/3/22 18:10	Pace	Radium-226	0	27.725	93.7	<MDC	121.425	353.185
31	310002A1	30475079001	03/22/2022 10:00	5/3/22 18:10	Pace	Radium-228	0	73.06	158.7	<MDC	231.76	
32	320002A1	30475256001	03/22/2022 13:15	5/3/22 19:13	Pace	Radium-226	46.162	57.615	80.41	<MDC	138.025	271.363
32	320002A1	30475256001	03/22/2022 13:15	5/3/22 19:13	Pace	Radium-228	0	12.838	120.5	<MDC	133.338	
32	320002A2	30475461001	03/22/2022 13:15	5/3/22 21:34	Pace	Radium-226	29.801	42.304	66.27	<MDC	108.574	287.646
32	320002A2	30475461001	03/22/2022 13:15	5/3/22 21:34	Pace	Radium-228	0	44.472	134.6	<MDC	179.072	
33	330002A1	30470711001	03/07/2022 11:20	4/29/22 10:33	Pace	Radium-228	28.375	121.47	101.5	<MDC	222.97	340.428
33	330002A1	30470711001	03/07/2022 11:20	4/29/22 10:33	Pace	Radium-226	49.045	35.858	81.6	<MDC	117.458	
34	340002A1	30470709001	03/07/2022 09:10	4/29/22 9:32	Pace	Radium-226	16.336	24.915	95.41	<MDC	120.325	348.324
34	340002A1	30470709001	03/07/2022 09:10	4/29/22 9:32	Pace	Radium-228	0	61.599	166.4	<MDC	227.999	
34	340002A1	30472464001	03/08/2022 09:30	4/29/22 12:40	Pace	Radium-226	8.82	75.699	74.02	<MDC	149.719	345.159
34	340002A1	30472464001	03/08/2022 09:30	4/29/22 12:40	Pace	Radium-228	0	56.14	139.3	<MDC	195.44	
34	340002B1	572621001	3/7/2022 0:00	3/24/22 23:28	GEL	Radium-228	-0.839	18.6	28.9	<MDC	47.5	271.5
34	340002B1	572621001	3/7/2022 0:00	3/24/22 23:28	GEL	Radium-226	9.54	130	94	<MDC	224	
35	350002A1	30474013001	03/11/2022 10:58	5/2/22 21:48	Pace	Radium-228	2.766	129.59	159.2	<MDC	288.79	388.157
35	350002A1	30474013001	03/11/2022 10:58	5/2/22 21:48	Pace	Radium-226	19.26	33.337	66.03	<MDC	99.367	
36	360002A1	30475712001	03/25/2022 11:00	5/3/22 18:09	Pace	Radium-226	29.704	46.369	76.65	<MDC	123.019	277.797
36	360002A1	30475712001	03/25/2022 11:00	5/3/22 18:09	Pace	Radium-228	0	20.278	134.5	<MDC	154.778	
37	370002A1	30474019002	03/11/2022 08:54	5/3/22 11:13	Pace	Radium-226	41.993	54.712	89.74	<MDC	144.452	331.811
37	370002A1	30474019002	03/11/2022 08:54	5/3/22 11:13	Pace	Radium-228	0	43.559	143.8	<MDC	187.359	
38	380002A1	30472033001	03/08/2022 09:53	4/29/22 10:34	Pace	Radium-228	33.153	43.758	135.3	<MDC	179.058	321.002
38	380002A1	30472033001	03/08/2022 09:53	4/29/22 10:34	Pace	Radium-226	0	42.814	99.13	<MDC	141.944	
38	380002A2	30472033002	03/08/2022 09:53	4/29/22 11:35	Pace	Radium-226	14.271	71.13	69.89	<MDC	141.02	339.111
38	380002A2	30472033002	03/08/2022 09:53	4/29/22 11:35	Pace	Radium-228	95.981	102.11	80.98	95.981	198.091	

**Untreated Landfill Leachate Investigation Summary - Quarter 2 Results**

Site	Sample ID	Lab ID	Collected Date	Analyzed Date	Lab	Isotope	Results (Raw Data)	Uncertainty (±)	MDC	Calculated Results		
										Reportable Results	Upper Bound Radium	Combined Radium Ra-226 & Ra-228 (pCi/L)
39	Site 39 was not sampled during this quarter											
40	400002A1	30472033003	03/08/2022 11:17	4/29/22 11:36	Pace	Radium-226	20.084	30.222	83.17	<MDC	113.392	357.529
40	400002A1	30472033003	03/08/2022 11:17	4/29/22 11:36	Pace	Radium-228	27.584	52.237	191.9	<MDC	244.137	
41	410002A1	30474516001	03/16/2022 13:30	5/3/22 12:20	Pace	Radium-226	1.976	76.465	89.74	<MDC	166.205	334.911
41	410002A1	30474516001	03/16/2022 13:30	5/3/22 12:20	Pace	Radium-228	0	25.106	143.6	<MDC	168.706	
41	410002B1	572347001	3/2/2022 0:00	3/24/22 19:31	GEL	Radium-226	81.8	95.4	84.5	<MDC	179.9	220.7
41	410002B1	572347001	3/2/2022 0:00	3/24/22 19:31	GEL	Radium-228	-4.53	14.9	25.9	<MDC	40.8	
42	420002A1	30472466002	03/09/2022 11:58	4/29/22 14:12	Pace	Radium-226	16.361	28.569	91.53	<MDC	120.099	318.785
42	420002A1	30472466002	03/09/2022 11:58	4/29/22 14:12	Pace	Radium-228	42.323	63.386	135.3	<MDC	198.686	
43	430002A1	30470676001	03/02/2022 09:40	4/25/22 19:41	Pace	Radium-226	0	48.021	99.13	<MDC	147.151	334.532
43	430002A1	30470676001	03/02/2022 09:40	4/25/22 19:41	Pace	Radium-228	0	35.581	151.8	<MDC	187.381	
44	440002A1	30470417001	03/02/2022 14:30	4/25/22 18:35	Pace	Radium-228	15.498	141.02	118.2	<MDC	259.22	368.587
44	440002A1	30470417001	03/02/2022 14:30	4/25/22 18:35	Pace	Radium-226	30.381	33.377	75.99	<MDC	109.367	
45	450002A1	30470425001	03/02/2022 13:35	4/25/22 19:40	Pace	Radium-226	30.818	57.381	83.39	<MDC	140.771	384.191
45	450002A1	30470425001	03/02/2022 13:35	4/25/22 19:40	Pace	Radium-228	52.552	133.22	110.2	<MDC	243.42	
45	450002A2	30470415001	03/02/2022 13:25	4/25/22 18:34	Pace	Radium-226	0	13.319	83.17	<MDC	96.489	279.101
45	450002A2	30470415001	03/02/2022 13:25	4/25/22 18:34	Pace	Radium-228	0	30.812	151.8	<MDC	182.612	
46	460002A1	30472464002	03/08/2022 11:00	4/29/22 12:41	Pace	Radium-226	24.515	34.301	91.53	<MDC	125.831	308.164
46	460002A1	30472464002	03/08/2022 11:00	4/29/22 12:41	Pace	Radium-228	0	47.033	135.3	<MDC	182.333	
46	460002B1	573028001	3/8/2022 0:00	3/24/22 23:29	GEL	Radium-228	13.9	23.1	21.7	<MDC	44.8	275.2
46	460002B1	573028001	3/8/2022 0:00	3/24/22 23:29	GEL	Radium-226	28.3	83.4	147	<MDC	230.4	
47	470002A1	30472466001	03/09/2022 10:15	4/29/22 14:10	Pace	Radium-226	65.245	58.18	79.78	<MDC	137.96	297.873
47	470002A1	30472466001	03/09/2022 10:15	4/29/22 14:10	Pace	Radium-228	0	27.313	132.6	<MDC	159.913	
48	480002A1	30474013002	03/11/2022 12:09	5/2/22 23:00	Pace	Radium-226	48.362	90.123	68.48	<MDC	158.603	361.806
48	480002A1	30474013002	03/11/2022 12:09	5/2/22 23:00	Pace	Radium-228	0	55.403	147.8	<MDC	203.203	
49	490002A1	30474019001	03/11/2022 08:08	5/2/22 23:01	Pace	Radium-226	31.827	41.342	66.03	<MDC	107.372	352.241
49	490002A1	30474019001	03/11/2022 08:08	5/2/22 23:01	Pace	Radium-228	0	58.969	185.9	<MDC	244.869	

**Untreated Landfill Leachate Investigation Summary - Quarter 3 Results**

Site	Sample ID	Lab ID	Collected Date	Analyzed Date	Lab	Isotope	Results (Raw Data)	Uncertainty (±)	MDC	Calculated Results		
										Reportable Results	Upper Bound Radium	Combined Radium Ra-226 & Ra-228 (pCi/L)
1	010003A1	30491778001	05/24/2022 11:43	8/3/22 13:21	Pace	Radium-226	53.521	38.612	80.46	<MDC	119.072	
1	010003A1	30491778001	05/24/2022 11:43	8/3/22 13:21	Pace	Radium-228	0	15.873	140	<MDC	155.873	274.945
1	010003A2	30491778002	05/24/2022 11:43	8/3/22 14:22	Pace	Radium-226	91.231	54.571	53.84	91.231	145.802	
1	010003A2	30491778002	05/24/2022 11:43	8/3/22 14:22	Pace	Radium-228	8.165	122.83	110.6	<MDC	233.43	379.232
2	020003A1	30491983001	05/23/2022 11:15	7/18/22 8:07	Pace	Radium-226	29.039	34.768	59.55	<MDC	94.318	
2	020003A1	30491983001	05/23/2022 11:15	7/18/22 8:07	Pace	Radium-228	24.094	75.902	92.58	<MDC	168.482	262.8
2	020003A2	30491775001	05/23/2022 11:18	7/15/22 13:58	Pace	Radium-226	85.081	57.067	51.38	85.081	142.148	
2	020003A2	30491775001	05/23/2022 11:18	7/15/22 13:58	Pace	Radium-228	47.1	116.77	101.3	<MDC	218.07	360.218
3	030003A1	30492354001	05/25/2022 11:14	8/3/22 14:23	Pace	Radium-226	0	33.519	104.5	<MDC	138.019	
3	030003A1	30492354001	05/25/2022 11:14	8/3/22 14:23	Pace	Radium-228	0	43.804	135.2	<MDC	179.004	317.023
4	040003A1	30492921001	05/27/2022 10:04	8/1/22 13:06	Pace	Radium-226	0	42.881	80.45	<MDC	123.331	
4	040003A1	30492921001	05/27/2022 10:04	8/1/22 13:06	Pace	Radium-228	124.6	77.785	68.07	124.6	202.385	325.716
5	050003A1	30492930001	05/27/2022 09:31	8/1/22 13:20	Pace	Radium-226	0	46.138	104.5	<MDC	150.638	
5	050003A1	30492930001	05/27/2022 09:31	8/1/22 13:20	Pace	Radium-228	6.925	139.53	151.6	<MDC	291.13	441.768
6	060003A1	30482693001	04/20/2022 11:30	5/25/22 11:17	Pace	Radium-226	12.636	53.193	50.75	<MDC	103.943	
6	060003A1	30482693001	04/20/2022 11:30	5/25/22 11:17	Pace	Radium-228	13.607	85.309	72.1	<MDC	157.409	261.352
7	070003A1	30487318001	05/06/2022 10:45	6/28/22 10:37	Pace	Radium-226	0	22.926	75.05	<MDC	97.976	
7	070003A1	30487318001	05/06/2022 10:45	6/28/22 10:37	Pace	Radium-228	19.748	99.119	109.6	<MDC	208.719	306.695
7	070003A2	30487304001	05/06/2022 10:45	6/28/22 10:09	Pace	Radium-226	0	7.929	65.17	<MDC	73.099	
7	070003A2	30487304001	05/06/2022 10:45	6/28/22 10:09	Pace	Radium-228	0	45.851	118.3	<MDC	164.151	237.25
8	080003B1	582458001	6/7/2022 11:00	6/29/22 18:52	GEL	Radium-226	42.5	66.1	56.6	<MDC	122.7	
8	080003B1	582458001	6/7/2022 11:00	6/29/22 18:52	GEL	Radium-228	1.64	9.84	17.2	<MDC	27.04	149.74
9	090003A1	30492511001	05/26/2022 11:36	8/4/22 16:03	Pace	Radium-226	0	21.024	84.03	<MDC	105.054	
9	090003A1	30492511001	05/26/2022 11:36	8/4/22 16:03	Pace	Radium-228	0	12.956	139.9	<MDC	152.856	257.91
10	100003A1	30500139001	06/15/2022 12:00	8/8/22 9:25	Pace	Radium-226	0	39.956	104.5	<MDC	144.456	
10	100003A1	30500139001	06/15/2022 12:00	8/8/22 9:25	Pace	Radium-228	69.998	82.004	91.2	<MDC	173.204	317.66
11	110003A1	30494380001	05/18/2022 11:52	8/4/22 21:44	Pace	Radium-226	47.546	44.42	64.04	<MDC	108.46	
11	110003A1	30494380001	05/18/2022 11:52	8/4/22 21:44	Pace	Radium-228	14.68	143.62	126.5	<MDC	270.12	378.58
12	120003A1	30488697001	05/11/2022 11:00	7/19/22 12:43	Pace	Radium-226	3.906	49.331	59.55	<MDC	108.881	
12	120003A1	30488697001	05/11/2022 11:00	7/19/22 12:43	Pace	Radium-228	0	20.642	145	<MDC	165.642	274.523
13	130003A1	30492975001	05/16/2022 10:40	8/4/22 19:15	Pace	Radium-226	0	58.843	78.6	<MDC	137.443	
13	130003A1	30492975001	05/16/2022 10:40	8/4/22 19:15	Pace	Radium-228	0	37.901	126.6	<MDC	164.501	301.944
13	130003A2	30492975002	05/16/2022 10:40	8/4/22 19:16	Pace	Radium-226	0	32.625	89.57	<MDC	122.195	
13	130003A2	30492975002	05/16/2022 10:40	8/4/22 19:16	Pace	Radium-228	12.244	123.49	135.7	<MDC	259.19	381.385
13	130003A3	30491073001	05/16/2022 10:40	8/1/22 11:01	Pace	Radium-226	34.447	54.651	76.3	<MDC	130.951	
13	130003A3	30491073001	05/16/2022 10:40	8/1/22 11:01	Pace	Radium-228	18.567	124.01	135.6	<MDC	259.61	390.561
13	130003A4	30491073002	05/16/2022 10:45	8/1/22 11:46	Pace	Radium-226	0	27.573	72.74	<MDC	100.313	

**Untreated Landfill Leachate Investigation Summary - Quarter 3 Results**

Site	Sample ID	Lab ID	Collected Date	Analyzed Date	Lab	Isotope	Results (Raw Data)	Uncertainty (±)	MDC	Calculated Results		
										Reportable Results	Upper Bound Radium	Combined Radium Ra-226 & Ra-228 (pCi/L)
13	130003A4	30491073002	05/16/2022 10:45	8/1/22 11:46	Pace	Radium-228	0	45.912	140.2	<MDC	186.112	286.425
14	140003A1	30497776001	06/14/2022 11:37	8/5/22 15:14	Pace	Radium-226	36.376	30.644	70.67	<MDC	101.314	286.031
14	140003A1	30497776001	06/14/2022 11:37	8/5/22 15:14	Pace	Radium-228	0	52.317	132.4	<MDC	184.717	
14	140003A2	30497776002	06/14/2022 11:38	8/5/22 15:16	Pace	Radium-226	9.603	18.494	85.39	<MDC	103.884	279.925
14	140003A2	30497776002	06/14/2022 11:38	8/5/22 15:16	Pace	Radium-228	0	25.141	150.9	<MDC	176.041	
14	140003B1	583314001	6/14/2022 11:39	6/29/22 22:28	GEL	Radium-226	-67.5	59.4	94.9	<MDC	154.3	186.8
14	140003B1	583314001	6/14/2022 11:39	6/29/22 22:28	GEL	Radium-228	10.7	15	17.5	<MDC	32.5	
15	150003A1	30492349001	05/25/2022 10:05	8/4/22 17:06	Pace	Radium-226	0	31.466	96.98	<MDC	128.446	254.92
15	150003A1	30492349001	05/25/2022 10:05	8/4/22 17:06	Pace	Radium-228	0	15.874	110.6	<MDC	126.474	
15	150003A2	30492349002	05/25/2022 10:05	8/4/22 17:06	Pace	Radium-226	14.228	62.96	80.99	<MDC	143.95	291.9
15	150003A2	30492349002	05/25/2022 10:05	8/4/22 17:06	Pace	Radium-228	0	12.65	135.3	<MDC	147.95	
16	160003A1	30496696001	06/09/2022 10:35	8/5/22 11:47	Pace	Radium-226	241.37	46.943	62.21	241.37	288.313	446.803
16	160003A1	30496696001	06/09/2022 10:35	8/5/22 11:47	Pace	Radium-228	0	32.89	125.6	<MDC	158.49	
17	170003A1	30492359001	05/25/2022 10:20	8/3/22 16:49	Pace	Radium-226	0	37.374	78.6	<MDC	115.974	274.198
17	170003A1	30492359001	05/25/2022 10:20	8/3/22 16:49	Pace	Radium-228	0	18.324	139.9	<MDC	158.224	
17	170003A2	30492359002	05/25/2022 10:21	8/3/22 4:50 PM	Pace	Radium-226	32.759	51.974	71.26	<MDC	123.234	343.724
17	170003A2	30492359002	05/25/2022 10:21	8/3/22 4:50 PM	Pace	Radium-228	23.795	104.59	115.9	<MDC	220.49	
18	180003A1	30498327002	06/15/2022 12:39	8/8/22 11:39	Pace	Radium-226	70.683	64.02	85.76	<MDC	149.78	317.797
18	180003A1	30498327002	06/15/2022 12:39	8/8/22 11:39	Pace	Radium-228	0	28.817	139.2	<MDC	168.017	
19	190003A1	30491726001	05/24/2022 11:56	8/4/22 20:29	Pace	Radium-226	0	37.609	80.46	<MDC	118.069	294.878
19	190003A1	30491726001	05/24/2022 11:56	8/4/22 20:29	Pace	Radium-228	57.356	58.109	118.7	<MDC	176.809	
20	200003A1	30502269001	06/30/2022 12:22	8/4/22 18:09	Pace	Radium-226	0	28.518	82.26	<MDC	110.778	290.762
20	200003A1	30502269001	06/30/2022 12:22	8/4/22 18:09	Pace	Radium-228	25.441	48.284	131.7	<MDC	179.984	
21	210003A1	30493497002	5/27/2022 12:15	7/18/22 11:35	Pace	Radium-226	45.977	41.68	53.8	<MDC	95.48	268.095
21	210003A1	30493497002	5/27/2022 12:15	7/18/22 11:35	Pace	Radium-228	61.792	80.125	92.49	<MDC	172.615	
22	220003A1	30492362001	05/25/2022 11:15	8/4/22 20:30	Pace	Radium-226	84.263	56.379	66.02	84.263	140.642	399.722
22	220003A1	30492362001	05/25/2022 11:15	8/4/22 20:30	Pace	Radium-228	18.533	123.78	135.3	<MDC	259.08	
22	220003B1	581296001	5/25/2022 11:15	6/15/22 17:10	GEL	Radium-226	0	102	87.9	<MDC	189.9	220.6
22	220003B1	581296001	5/25/2022 11:15	6/15/22 17:10	GEL	Radium-228	-7.16	11.6	19.1	<MDC	30.7	
23	230003A1	30502269002	06/30/2022 13:54	8/4/22 18:10	Pace	Radium-226	0	38.804	93.54	<MDC	132.344	392.914
23	230003A1	30502269002	06/30/2022 13:54	8/4/22 18:10	Pace	Radium-228	62.062	126.87	133.7	<MDC	260.57	
24	240003A1	30496696002	06/09/2022 09:05	8/5/22 13:02	Pace	Radium-226	137.49	57.629	57.03	137.49	195.119	450.19
24	240003A1	30496696002	06/09/2022 09:05	8/5/22 13:02	Pace	Radium-228	184.15	70.921	65.6	184.15	255.071	
25	250003A1	30489045001	05/12/2022 10:20	7/15/22 13:54	Pace	Radium-226	20.771	29.712	76.08	<MDC	105.792	289.004
25	250003A1	30489045001	05/12/2022 10:20	7/15/22 13:54	Pace	Radium-228	0	53.212	130	<MDC	183.212	
26	260003A1	30493497001	05/26/2022 12:15	7/18/22 11:35	Pace	Radium-226	59.574	52.509	51.24	59.574	112.083	257.662
26	260003A1	30493497001	05/26/2022 12:15	7/18/22 11:35	Pace	Radium-228	79.116	61.569	84.01	<MDC	145.579	

**Untreated Landfill Leachate Investigation Summary - Quarter 3 Results**

Site	Sample ID	Lab ID	Collected Date	Analyzed Date	Lab	Isotope	Results (Raw Data)	Uncertainty (±)	MDC	Calculated Results		
										Reportable Results	Upper Bound Radium	Combined Radium Ra-226 & Ra-228 (pCi/L)
27	270003A1	30498327001	06/15/2022 11:57	8/8/22 10:35	Pace	Radium-226	26.519	31.64	93.54	<MDC	125.18	386.68
27	270003A1	30498327001	06/15/2022 11:57	8/8/22 10:35	Pace	Radium-228	56.159	127	134.5	<MDC	261.5	
28	280003A1	30498310001	06/15/2022 10:56	8/8/22 9:28	Pace	Radium-226	156.65	63.417	59.54	156.65	220.067	428.04
28	280003A1	30498310001	06/15/2022 10:56	8/8/22 9:28	Pace	Radium-228	0	62.473	145.5	<MDC	207.973	
28	280003A2	30498310002	06/15/2022 10:57	8/8/22 10:33	Pace	Radium-226	14.31	85.243	84.03	<MDC	169.273	314.66
28	280003A2	30498310002	06/15/2022 10:57	8/8/22 10:33	Pace	Radium-228	0	12.887	132.5	<MDC	145.387	
28	280003B1	583495001	6/15/2022 10:55	6/29/22 23:09	GEL	Radium-226	9.37	78.6	71	<MDC	149.6	214.6
28	280003B1	583495001	6/15/2022 10:55	6/29/22 23:09	GEL	Radium-228	47.3	17.7	17.6	47.3	65	
29	290003A1	30498327003	06/15/2022 13:16	8/8/22 11:40	Pace	Radium-226	0	32.624	85.39	<MDC	118.014	277.294
29	290003A1	30498327003	06/15/2022 13:16	8/8/22 11:40	Pace	Radium-228	100.12	59.16	53.76	100.12	159.28	
30	300003B1	582458002	6/7/2022 13:00	6/29/22 19:42	GEL	Radium-226	-149	44.5	59.8	<MDC	104.3	123.01
30	300003B1	582458002	6/7/2022 13:00	6/29/22 19:42	GEL	Radium-228	-3.75	7.41	11.3	<MDC	18.71	
31	310003A1	30497616001	06/01/2022 10:00	8/4/22 21:45	Pace	Radium-226	30.326	57.6	71.26	<MDC	128.86	384.29
31	310003A1	30497616001	06/01/2022 10:00	8/4/22 21:45	Pace	Radium-228	0	75.73	179.7	<MDC	255.43	
32	320003A1	30500679001	06/01/2022 13:20	8/5/22 9:09	Pace	Radium-226	0	29.782	93.54	<MDC	123.322	416.702
32	320003A1	30500679001	06/01/2022 13:20	8/5/22 9:09	Pace	Radium-228	32.167	141.78	151.6	<MDC	293.38	
33	330003A1	30493026005	05/19/2022 11:00	6/28/22 15:15	Pace	Radium-226	29.858	48.403	62.11	<MDC	110.513	300.738
33	330003A1	30493026005	05/19/2022 11:00	6/28/22 15:15	Pace	Radium-228	0.171	98.765	91.46	<MDC	190.225	
33	330003A2	30493026006	05/19/2022 11:05	6/28/22 15:16	Pace	Radium-226	0	15.356	58.19	<MDC	73.546	207.535
33	330003A2	30493026006	05/19/2022 11:05	6/28/22 15:16	Pace	Radium-228	45.828	45.809	88.18	<MDC	133.989	
34	340003A1	30493026001	05/18/2022 12:55	6/28/22 11:40	Pace	Radium-226	0	28.587	56.62	<MDC	85.207	215.88
34	340003A1	30493026001	05/18/2022 12:55	6/28/22 11:40	Pace	Radium-228	26.7	34.953	95.72	<MDC	130.673	
35	350003A1	30498282003	06/15/2022 10:55	8/4/22 10:33	Pace	Radium-226	0	40.689	97.34	<MDC	138.029	316.488
35	350003A1	30498282003	06/15/2022 10:55	8/4/22 10:33	Pace	Radium-228	72.834	87.379	91.08	<MDC	178.459	
36	360003A1	30491729001	05/24/2022 11:09	8/4/22 16:03	Pace	Radium-226	0	28.772	104.5	<MDC	133.272	364.388
36	360003A1	30491729001	05/24/2022 11:09	8/4/22 16:03	Pace	Radium-228	59.937	95.816	135.3	<MDC	231.116	
37	370003A1	30498282002	06/15/2022 09:45	8/4/22 10:17	Pace	Radium-226	14.857	19.932	84.03	<MDC	103.962	296.282
37	370003A1	30498282002	06/15/2022 09:45	8/4/22 10:17	Pace	Radium-228	49.937	100.82	91.5	<MDC	192.32	
38	380003A1	30498782003	06/15/2022 10:25	8/4/22 13:45	Pace	Radium-226	40.957	35.49	96.98	<MDC	132.47	346.951
38	380003A1	30498782003	06/15/2022 10:25	8/4/22 13:45	Pace	Radium-228	65.087	75.481	139	<MDC	214.481	
38	380003B1	583410001	6/15/2022 10:25	6/29/22 22:35	GEL	Radium-226	50.6	81.1	52.1	<MDC	133.2	156.31
38	380003B1	583410001	6/15/2022 10:25	6/29/22 22:35	GEL	Radium-228	-0.0399	8.41	14.7	<MDC	23.11	
39	390003A1	30493026003	05/19/2022 09:35	6/28/22 13:43	Pace	Radium-226	0	30.835	61.05	<MDC	91.885	246.109
39	390003A1	30493026003	05/19/2022 09:35	6/28/22 13:43	Pace	Radium-228	0	33.124	121.1	<MDC	154.224	
39	390003A2	30493026004	05/19/2022 09:37	6/28/22 13:44	Pace	Radium-226	0	21.749	75.05	<MDC	96.799	303.154
39	390003A2	30493026004	05/19/2022 09:37	6/28/22 13:44	Pace	Radium-228	2.97	97.255	109.1	<MDC	206.355	
40	400003A1	30498782004	06/15/2022 11:43	8/4/22 13:46	Pace	Radium-226	32.768	51.987	101	<MDC	152.987	

**Untreated Landfill Leachate Investigation Summary - Quarter 3 Results**

Site	Sample ID	Lab ID	Collected Date	Analyzed Date	Lab	Isotope	Results (Raw Data)	Uncertainty (±)	MDC	Calculated Results		
										Reportable Results	Upper Bound Radium	Combined Radium Ra-226 & Ra-228 (pCi/L)
40	400003A1	30498782004	06/15/2022 11:43	8/4/22 13:46	Pace	Radium-228	93.442	56.418	53.69	93.442	149.86	302.847
41	410003A1	30494215001	05/31/2022 11:05	7/19/22 11:11	Pace	Radium-226	12.968	50.008	59.55	<MDC	109.558	282.25
41	410003A1	30494215001	05/31/2022 11:05	7/19/22 11:11	Pace	Radium-228	42.36	43.392	129.3	<MDC	172.692	
41	410003A2	30494214001	05/31/2022 11:00	7/19/22 11:09	Pace	Radium-226	0	24.114	62.75	<MDC	86.864	256.925
41	410003A2	30494214001	05/31/2022 11:00	7/19/22 11:09	Pace	Radium-228	28.998	57.761	112.3	<MDC	170.061	
42	420003A1	30498782002	06/13/2022 10:48	8/4/22 12:42	Pace	Radium-226	0	32.624	104.5	<MDC	137.124	324.854
42	420003A1	30498782002	06/13/2022 10:48	8/4/22 12:42	Pace	Radium-228	0	53.33	134.4	<MDC	187.73	
43	430003A1	30494213001	05/31/2022 09:38	7/18/22 13:18	Pace	Radium-226	0	29.449	76.08	<MDC	105.529	283.83
43	430003A1	30494213001	05/31/2022 09:38	7/18/22 13:18	Pace	Radium-228	28.737	41.501	136.8	<MDC	178.301	
44	440003A1	30494209001	05/31/2022 13:45	7/18/22 13:17	Pace	Radium-226	58.329	32.369	59.56	<MDC	91.929	223.345
44	440003A1	30494209001	05/31/2022 13:45	7/18/22 13:17	Pace	Radium-228	0	30.316	101.1	<MDC	131.416	
44	440003A2	30494216001	05/31/2022 13:45	7/19/22 12:42	Pace	Radium-226	28.364	34.368	60.64	<MDC	95.008	292.088
44	440003A2	30494216001	05/31/2022 13:45	7/19/22 12:42	Pace	Radium-228	2.005	104.12	92.96	<MDC	197.08	
45	450003A1	30494208001	05/31/2022 12:45	7/18/22 8:08	Pace	Radium-226	49.403	44.171	46.29	49.403	93.574	291.494
45	450003A1	30494208001	05/31/2022 12:45	7/18/22 8:08	Pace	Radium-228	23.439	104.99	92.93	<MDC	197.92	
46	460003A1	30493026002	05/18/2022 14:50	6/28/22 12:08	Pace	Radium-226	44.882	37.733	52.29	<MDC	90.023	257.14
46	460003A1	30493026002	05/18/2022 14:50	6/28/22 12:08	Pace	Radium-228	43.324	78.917	88.2	<MDC	167.117	
47	470003A1	30498782001	06/13/2022 09:19	8/4/22 12:41	Pace	Radium-226	0	22.25	78.6	<MDC	100.85	248.558
47	470003A1	30498782001	06/13/2022 09:19	8/4/22 12:41	Pace	Radium-228	0	22.308	125.4	<MDC	147.708	
48	480003A1	30498282004	06/15/2022 12:00	8/4/22 11:38	Pace	Radium-226	49.385	57.464	64.04	<MDC	121.504	279.545
48	480003A1	30498282004	06/15/2022 12:00	8/4/22 11:38	Pace	Radium-228	0	25.741	132.3	<MDC	158.041	
48	480003A2	30498282005	06/15/2022 12:02	8/4/22 11:38	Pace	Radium-226	0	48.021	93.54	<MDC	141.561	308.084
48	480003A2	30498282005	06/15/2022 12:02	8/4/22 11:38	Pace	Radium-228	103.19	63.333	53.69	103.19	166.523	
49	490003A1	30498282001	06/15/2022 08:11	8/4/22 9:32	Pace	Radium-226	26.54	22.091	101	<MDC	123.091	345.646
49	490003A1	30498282001	06/15/2022 08:11	8/4/22 9:32	Pace	Radium-228	24.863	43.755	178.8	<MDC	222.555	
49	490003B1	583469001	6/15/2022 8:12	6/29/22 23:09	GEL	Radium-226	-31.2	54.1	94.4	<MDC	148.5	176.27
49	490003B1	583469001	6/15/2022 8:12	6/29/22 23:09	GEL	Radium-228	0	9.37	18.4	<MDC	27.77	

**Untreated Landfill Leachate Investigation Summary - Quarter 4 Results**

Site	Sample ID	Lab ID	Collected Date	Analyzed Date	Lab	Isotope	Results (Raw Data)	Uncertainty (±)	MDC	Calculated Results		
										Reportable Results	Upper Bound Radium	Combined Radium Ra-226 & Ra-228 (pCi/L)
1	010004A1	30517418001	08/25/2022 10:48	9/16/22 9:18	Pace	Radium-226	117.28	47.891	67.23	117.28	165.171	
1	010004A1	30517418001	08/25/2022 10:48	9/16/22 9:18	Pace	Radium-228	42.425	70.956	132.9	<MDC	203.856	369.027
2	020004A1	30517466001	08/25/2022 10:47	9/20/22 8:41	Pace	Radium-226	0	43.898	80.9	<MDC	124.798	
2	020004A1	30517466001	08/25/2022 10:47	9/20/22 8:41	Pace	Radium-228	54.68	113.16	102.6	<MDC	215.76	340.558
3	030004A1	30518086001	08/30/2022 11:33	9/21/22 8:42	Pace	Radium-226	0	44.836	87.91	<MDC	132.746	
3	030004A1	30518086001	08/30/2022 11:33	9/21/22 8:42	Pace	Radium-228	0	17.6	166.7	<MDC	184.3	317.046
4	040004A1	30525460001	09/27/2022 13:12	10/19/22 8:32	Pace	Radium-226	27.566	46.494	99.64	<MDC	146.134	
4	040004A1	30525460001	09/27/2022 13:12	10/19/22 8:32	Pace	Radium-228	0	24.89	161.1	<MDC	185.99	332.124
5	050004A1	30516740001	08/23/2022 10:58	9/15/22 9:44	Pace	Radium-226	54.292	42.123	62.16	<MDC	104.283	
5	050004A1	30516740001	08/23/2022 10:58	9/15/22 9:44	Pace	Radium-228	29.569	39.923	143.7	<MDC	183.623	287.906
5	050004A2	30516597001	08/23/2022 11:50	9/15/22 9:43	Pace	Radium-226	38.064	64.72	64.97	<MDC	129.69	
5	050004A2	30516597001	08/23/2022 11:50	9/15/22 9:43	Pace	Radium-228	0	34.933	126.1	<MDC	161.033	290.723
6	060004A1	30517064001	08/24/2022 11:10	9/16/22 8:16	Pace	Radium-226	22.409	40.176	88.03	<MDC	128.206	
6	060004A1	30517064001	08/24/2022 11:10	9/16/22 8:16	Pace	Radium-228	40.574	33.191	185	<MDC	218.191	346.397
7	070004A1	30513005001	08/09/2022 11:05	9/5/22 9:16	Pace	Radium-226	44.464	40.952	92.07	<MDC	133.022	
7	070004A1	30513005001	08/09/2022 11:05	9/5/22 9:16	Pace	Radium-228	53.354	68.311	106.1	<MDC	174.411	307.433
8	080004A1	30512592001	08/08/2022 11:10	9/5/22 9:06	Pace	Radium-226	52.93	65.518	64.97	<MDC	130.488	
8	080004A1	30512592001	08/08/2022 11:10	9/5/22 9:06	Pace	Radium-228	33.661	52.981	119	<MDC	171.981	302.469
8	080004B1	589197001	8/8/2022 11:11	8/17/22 7:49	GEL	Radium-226	-67.9	48.2	74.9	<MDC	123.1	
8	080004B1	589197001	8/8/2022 11:11	8/17/22 7:49	GEL	Radium-228	14.1	10.8	14.4	<MDC	25.2	148.3
9	090004A1	30515821001	08/18/2022 12:15	9/12/22 11:03	Pace	Radium-226	37.994	42.056	75.54	<MDC	117.596	
9	090004A1	30515821001	08/18/2022 12:15	9/12/22 11:03	Pace	Radium-228	0	37.215	145.7	<MDC	182.915	300.511
10	100004A1	30515333001	08/17/2022 11:05	9/9/22 12:26	Pace	Radium-226	125.33	60.573	55.74	125.33	185.903	
10	100004A1	30515333001	08/17/2022 11:05	9/9/22 12:26	Pace	Radium-228	0	15.623	132.9	<MDC	148.523	334.426
11	110004A1	30517804001	08/25/2022 10:58	9/20/22 8:43	Pace	Radium-226	28.739	49.831	83.64	<MDC	133.471	
11	110004A1	30517804001	08/25/2022 10:58	9/20/22 8:43	Pace	Radium-228	23.657	88.792	118.3	<MDC	207.092	340.563
11	110004B1	591339001	8/25/2022 10:55	9/1/22 9:21	Gel	Radium-226	51.5	108	70.9	<MDC	178.9	
11	110004B1	591339001	8/25/2022 10:55	9/1/22 9:21	Gel	Radium-228	-2.06	9.81	17.7	<MDC	27.51	206.41
12	120004A1	30518872001	08/31/2022 10:40	9/23/22 8:50	Pace	Radium-226	0	64.962	73.24	<MDC	138.202	
12	120004A1	30518872001	08/31/2022 10:40	9/23/22 8:50	Pace	Radium-228	103.25	86.57	93.19	103.25	189.82	328.022
12	120004A2	30518872002	08/31/2022 10:40	9/23/22 8:50	Pace	Radium-226	0	43.497	87.91	<MDC	131.407	
12	120004A2	30518872002	08/31/2022 10:40	9/23/22 8:50	Pace	Radium-228	0	24.899	152.5	<MDC	177.399	308.806
13	130009A1	30522858001	09/16/2022 09:05	10/10/22 10:40	Pace	Radium-226	47.861	48.182	60.68	<MDC	108.862	
13	130009A1	30522858001	09/16/2022 09:05	10/10/22 10:40	Pace	Radium-228	23.097	113.45	111.4	<MDC	224.85	333.712
14	140004A1	30522599001	09/15/2022 10:44	10/8/22 14:58	Pace	Radium-226	38.094	48.598	77.05	<MDC	125.648	
14	140004A1	30522599001	09/15/2022 10:44	10/8/22 14:58	Pace	Radium-228	64.348	95.184	120.1	<MDC	215.284	340.932
15	150001A1	30522340001	09/15/2022 09:19	10/7/22 8:58	Pace	Radium-226	45.459	70.67	70.62	<MDC	141.29	

**Untreated Landfill Leachate Investigation Summary - Quarter 4 Results**

Site	Sample ID	Lab ID	Collected Date	Analyzed Date	Lab	Isotope	Results (Raw Data)	Uncertainty (±)	MDC	Calculated Results		
										Reportable Results	Upper Bound Radium	Combined Radium Ra-226 & Ra-228 (pCi/L)
15	150001A1	30522340001	09/15/2022 09:19	10/7/22 8:58	Pace	Radium-228	0	29.906	155.4	<MDC	185.306	326.596
16	160004A1	30521685001	09/13/2022 10:40	10/6/22 9:14	Pace	Radium-226	57.326	74.352	66.28	<MDC	140.632	282.572
16	160004A1	30521685001	09/13/2022 10:40	10/6/22 9:14	Pace	Radium-228	0	18.04	123.9	<MDC	141.94	
17	170004A1	30513041001	08/09/2022 11:46	9/5/22 10:08	Pace	Radium-226	12.181	21.069	88.13	<MDC	109.199	279.538
17	170004A1	30513041001	08/09/2022 11:46	9/5/22 10:08	Pace	Radium-228	0	37.239	133.1	<MDC	170.339	
18	180004A1	30521338001	09/12/2022 13:21	10/5/22 13:20	Pace	Radium-226	72.17	85.385	72.69	<MDC	158.075	361.383
18	180004A1	30521338001	09/12/2022 13:21	10/5/22 13:20	Pace	Radium-228	0	42.308	161	<MDC	203.308	
18	180004A2	30521338002	09/12/2022 13:26	10/5/22 13:20	Pace	Radium-226	45.927	48.952	72.08	<MDC	121.032	312.053
18	180004A2	30521338002	09/12/2022 13:26	10/5/22 13:20	Pace	Radium-228	0	52.821	138.2	<MDC	191.021	
19	190004A1	30517463001	08/25/2022 11:55	9/19/22 13:44	Pace	Radium-226	0	38.536	80.9	<MDC	119.436	314.036
19	190004A1	30517463001	08/25/2022 11:55	9/19/22 13:44	Pace	Radium-228	59.452	101.34	93.26	<MDC	194.6	
19	190005A2	30517463002	08/25/2022 11:57	9/19/22 13:54	Pace	Radium-226	22.419	52.58	69.11	<MDC	121.69	344.306
19	190005A2	30517463002	08/25/2022 11:57	9/19/22 13:54	Pace	Radium-228	0	55.716	166.9	<MDC	222.616	
20	200004A1	30522259001	09/14/2022 10:52	10/7/22 7:56	Pace	Radium-226	97.232	49.333	66.28	97.232	146.565	366.615
20	200004A1	30522259001	09/14/2022 10:52	10/7/22 7:56	Pace	Radium-228	5.995	111.55	108.5	<MDC	220.05	
21	210004A1	30519122001	09/01/2022 11:35	9/27/22 1:03 PM	Pace	Radium-226	15.271	19.164	85.73	<MDC	104.894	283.871
21	210004A1	30519122001	09/01/2022 11:35	9/27/22 1:03 PM	Pace	Radium-228	0	41.377	137.6	<MDC	178.977	
21	210004A2	30519122002	09/01/2022 11:36	9/27/22 14:06	Pace	Radium-226	69.224	62.782	66.28	69.224	132.006	316.278
21	210004A2	30519122002	09/01/2022 11:36	9/27/22 14:06	Pace	Radium-228	43.466	46.672	137.6	<MDC	184.272	
22	220004A1	30518085001	08/30/2022 10:20	9/21/22 8:41	Pace	Radium-226	10.673	71.212	73.24	<MDC	144.452	335.129
22	220004A1	30518085001	08/30/2022 10:20	9/21/22 8:41	Pace	Radium-228	73.623	79.777	110.9	<MDC	190.677	
23	230004A1	30522259003	09/14/2022 09:32	10/7/22 7:56	Pace	Radium-226	0	35.237	101.5	<MDC	136.737	274.444
23	230004A1	30522259003	09/14/2022 09:32	10/7/22 7:56	Pace	Radium-228	0	17.607	120.1	<MDC	137.707	
24	240004A1	30521685002	09/13/2022 09:45	10/6/22 9:15	Pace	Radium-226	41.119	54.222	90.2	<MDC	144.422	369.042
24	240004A1	30521685002	09/13/2022 09:45	10/6/22 9:15	Pace	Radium-228	119.36	104.52	120.1	<MDC	224.62	
25	250004A1	30516317001	08/22/2022 12:55	9/13/22 9:05	Pace	Radium-226	8.333	78.168	77.47	<MDC	155.638	351.87
25	250004A1	30516317001	08/22/2022 12:55	9/13/22 9:05	Pace	Radium-228	35.965	56.832	139.4	<MDC	196.232	
26	260005A1	30520897001	09/09/2022 12:50	10/5/22 12:18	Pace	Radium-226	27.05	40.889	94.15	<MDC	135.039	343.493
26	260005A1	30520897001	09/09/2022 12:50	10/5/22 12:18	Pace	Radium-228	14.56	88.254	120.2	<MDC	208.454	
27	270004A1	30513900001	08/11/2022 09:39	9/5/22 10:17	Pace	Radium-226	28.72	45.84	74.45	<MDC	120.29	310.705
27	270004A1	30513900001	08/11/2022 09:39	9/5/22 10:17	Pace	Radium-228	0	46.615	143.8	<MDC	190.415	
27	270004B1	589650001	8/11/2022 9:33	8/25/22 5:05	Gel	Radium-226	10.9	58.3	109	<MDC	167.3	197.9
27	270004B1	589650001	8/11/2022 9:33	8/25/22 5:05	Gel	Radium-228	10.8	11	19.6	<MDC	30.6	
28	280004A1	30513900002	08/11/2022 10:49	9/5/22 11:09	Pace	Radium-226	54.126	41.56	82.98	<MDC	124.54	292.498
28	280004A1	30513900002	08/11/2022 10:49	9/5/22 11:09	Pace	Radium-228	0	34.958	133	<MDC	167.958	
29	290004A1	30520666001	09/08/2022 09:41	10/5/22 12:18	Pace	Radium-226	12.607	21.545	90.71	<MDC	112.255	249.029
29	290004A1	30520666001	09/08/2022 09:41	10/5/22 12:18	Pace	Radium-228	0	12.774	124	<MDC	136.774	

**Untreated Landfill Leachate Investigation Summary - Quarter 4 Results**

Site	Sample ID	Lab ID	Collected Date	Analyzed Date	Lab	Isotope	Results (Raw Data)	Uncertainty (±)	MDC	Calculated Results		
										Reportable Results	Upper Bound Radium	Combined Radium Ra-226 & Ra-228 (pCi/L)
30	300004A1	30512570001	08/08/2022 09:51	9/5/22 8:15	Pace	Radium-226	28.889	68.004	83.77	<MDC	151.774	397.288
30	300004A1	30512570001	08/08/2022 09:51	9/5/22 8:15	Pace	Radium-228	0	72.714	172.8	<MDC	245.514	
30	300004B1	589197002	8/8/2022 9:50	8/17/22 7:50	Gel	Radium-226	60.3	82.5	74.9	<MDC	157.4	180.44
30	300004B1	589197002	8/8/2022 9:50	8/17/22 7:50	Gel	Radium-228	-6.02	8.64	14.4	<MDC	23.04	
31	310004A1	30511747001	08/03/2022 09:40	9/6/22 9:11	Pace	Radium-226	21.465	76.424	75.54	<MDC	151.964	359.463
31	310004A1	30511747001	08/03/2022 09:40	9/6/22 9:11	Pace	Radium-228	0	61.399	146.1	<MDC	207.499	
32	320004A2	30511747002	08/03/2022 13:10	9/6/22 9:12	Pace	Radium-226	16.739	22.514	92.07	<MDC	114.584	332.589
32	320004A2	30511747002	08/03/2022 13:10	9/6/22 9:12	Pace	Radium-228	0	58.605	159.4	<MDC	218.005	
32	320004B1	588733001	8/3/2022 13:15	8/16/22 15:02	GEL	Radium-226	-14.2	58.2	89.8	<MDC	148	171.49
32	320004B1	588733001	8/3/2022 13:15	8/16/22 15:02	GEL	Radium-228	-1.1	8.69	14.8	<MDC	23.49	
33	330004A1	30520639002	09/08/2022 11:15	10/5/22 11:17	Pace	Radium-226	35.772	46.513	97.92	<MDC	144.433	330.363
33	330004A1	30520639002	09/08/2022 11:15	10/5/22 11:17	Pace	Radium-228	0	17.63	168.3	<MDC	185.93	
34	340004A1	30520197001	09/07/2022 10:05	10/5/22 9:13	Pace	Radium-226	37.362	63.357	77.05	<MDC	140.407	321.177
34	340004A1	30520197001	09/07/2022 10:05	10/5/22 9:13	Pace	Radium-228	0	12.47	168.3	<MDC	180.77	
34	340004A2	30520197002	09/07/2022 10:06	10/5/22 10:14	Pace	Radium-226	0	52.238	90.71	<MDC	142.948	322.923
34	340004A2	30520197002	09/07/2022 10:06	10/5/22 10:14	Pace	Radium-228	0	63.375	116.6	<MDC	179.975	
34	340004B1	592551001	9/7/2022 10:08	9/28/22 13:57	Gel	Radium-226	-45	43.4	70.9	<MDC	114.3	279.4
34	340004B1	592551001	9/7/2022 10:08	9/28/22 13:57	Gel	Radium-228	0	11.6	13.8	<MDC	25.4	
34	340004B3	592551001	9/7/2022 10:08	9/28/22 13:57	Gel	Radium-226	-45	43.4	70.9	<MDC	114.3	279.4
34	340004B3	592551001	9/7/2022 10:08	9/28/22 13:57	Gel	Radium-228	0	11.6	13.8	<MDC	25.4	
35	350004A1	30517360005	08/25/2022 11:22	9/16/22 11:38	Pace	Radium-226	0	36.876	88.03	<MDC	124.906	340.347
35	350004A1	30517360005	08/25/2022 11:22	9/16/22 11:38	Pace	Radium-228	10.745	89.041	126.4	<MDC	215.441	
35	350004A2	30517360006	08/25/2022 11:24	9/16/22 12:41	Pace	Radium-226	97.278	46.541	45.91	97.278	143.819	317.144
35	350004A2	30517360006	08/25/2022 11:24	9/16/22 12:41	Pace	Radium-228	44.138	62.325	111	<MDC	173.325	
36	360004A1	30515172001	08/16/2022 11:00	9/9/22 11:17	Pace	Radium-226	14.548	19.516	88.13	<MDC	107.646	285.355
36	360004A1	30515172001	08/16/2022 11:00	9/9/22 11:17	Pace	Radium-228	34.798	66.609	111.1	<MDC	177.709	
36	360004B1	590407001	8/16/2022 11:00	9/1/22 9:21	Gel	Radium-226	25.1	71.9	72.3	<MDC	144.2	173.17
36	360004B1	590407001	8/16/2022 11:00	9/1/22 9:21	Gel	Radium-228	10.1	9.97	19	<MDC	28.97	
37	370004A1	30517360003	08/25/2022 10:07	9/16/22 10:20	Pace	Radium-226	1.251	70.361	88.03	<MDC	158.391	340.451
37	370004A1	30517360003	08/25/2022 10:07	9/16/22 10:20	Pace	Radium-228	0	55.66	126.4	<MDC	182.06	
37	370004A2	30517360004	08/25/2022 10:09	9/16/22 11:37	Pace	Radium-226	127.39	53.461	56.66	127.39	180.851	363.619
37	370004A2	30517360004	08/25/2022 10:09	9/16/22 11:37	Pace	Radium-228	78.353	43.368	139.4	<MDC	182.768	
38	380004A1	30522862001	09/15/2022 10:07	10/10/22 13:03	Pace	Radium-226	66.407	40.556	61.28	66.407	106.963	323.488
38	380004A1	30522862001	09/15/2022 10:07	10/10/22 13:03	Pace	Radium-228	0	65.925	150.6	<MDC	216.525	
38	380004B1	593807001	9/15/2022 10:07	9/28/22 13:57	Gel	Radium-226	-54.6	44.8	72.9	<MDC	117.7	142.5
38	380004B1	593807001	9/15/2022 10:07	9/28/22 13:57	Gel	Radium-228	4.07	11.2	13.6	<MDC	24.8	
39	390004A1	30520639001	09/08/2022 09:45	10/5/22 11:16	Pace	Radium-226	37.144	33.565	63.19	<MDC	96.755	

**Untreated Landfill Leachate Investigation Summary - Quarter 4 Results**

Site	Sample ID	Lab ID	Collected Date	Analyzed Date	Lab	Isotope	Results (Raw Data)	Uncertainty (±)	MDC	Calculated Results		
										Reportable Results	Upper Bound Radium	Combined Radium Ra-226 & Ra-228 (pCi/L)
39	390004A1	30520639001	09/08/2022 09:45	10/5/22 11:16	Pace	Radium-228	46.85	57.544	155.7	<MDC	213.244	309.999
40	400004A1	30522862002	09/15/2022 11:22	10/10/22 14:04	Pace	Radium-226	96.73	30.945	83.33	96.73	127.675	325.23
40	400004A1	30522862002	09/15/2022 11:22	10/10/22 14:04	Pace	Radium-228	25.412	45.655	151.9	<MDC	197.555	
40	400004B1	593807002	9/15/2022 11:25	9/28/22 13:57	Gel	Radium-226	0	80	64.5	<MDC	144.5	174.5
40	400004B1	593807002	9/15/2022 11:25	9/28/22 13:57	Gel	Radium-228	9.93	18.5	11.5	<MDC	30	
41	410004A1	30520172001	09/06/2022 12:05	9/29/22 11:21	Pace	Radium-226	110.86	41.483	54.18	110.86	152.343	337.472
41	410004A1	30520172001	09/06/2022 12:05	9/29/22 11:21	Pace	Radium-228	0	47.729	137.4	<MDC	185.129	
42	420004A1	30522859001	09/16/2022 11:49	10/10/22 11:58	Pace	Radium-226	39.93	35.241	71.47	<MDC	106.711	333.983
42	420004A1	30522859001	09/16/2022 11:49	10/10/22 11:58	Pace	Radium-228	0	76.772	150.5	<MDC	227.272	
42	420004A2	30522859002	09/16/2022 11:20	10/10/22 13:02	Pace	Radium-226	63.855	67.771	75.92	<MDC	143.691	279.225
42	420004A2	30522859002	09/16/2022 11:20	10/10/22 13:02	Pace	Radium-228	0	32.534	103	<MDC	135.534	
43	430004A1	30520192001	09/06/2022 10:35	10/5/22 9:12	Pace	Radium-226	52.95	53.841	72.69	<MDC	126.531	348.891
43	430004A1	30520192001	09/06/2022 10:35	10/5/22 9:12	Pace	Radium-228	37.96	113.66	108.7	<MDC	222.36	
44	440004A1	30520195001	09/06/2022 14:10	9/29/22 11:22	Pace	Radium-226	31.366	56.069	86.06	<MDC	142.129	389.929
44	440004A1	30520195001	09/06/2022 14:10	9/29/22 11:22	Pace	Radium-228	9.358	109.6	138.2	<MDC	247.8	
45	450004A1	30520170001	09/06/2022 13:30	9/29/22 10:17	Pace	Radium-226	51.861	53.98	66.68	<MDC	120.66	322.34
45	450004A1	30520170001	09/06/2022 13:30	9/29/22 10:17	Pace	Radium-228	0	63.48	138.2	<MDC	201.68	
46	460004A1	30520197003	09/07/2022 11:30	10/5/22 10:15	Pace	Radium-226	0.662	74.218	90.2	<MDC	164.418	330.201
46	460004A1	30520197003	09/07/2022 11:30	10/5/22 10:15	Pace	Radium-228	27.474	45.483	120.3	<MDC	165.783	
47	470004A1	30522862003	09/15/2022 10:10	10/10/22 14:05	Pace	Radium-226	55.554	37.511	76.49	<MDC	114.001	289.519
47	470004A1	30522862003	09/15/2022 10:10	10/10/22 14:05	Pace	Radium-228	0	24.918	150.6	<MDC	175.518	
48	480004A1	30517360007	08/25/2022 12:27	9/16/22 12:42	Pace	Radium-226	22.24	34.371	69.27	<MDC	103.641	269.715
48	480004A1	30517360007	08/25/2022 12:27	9/16/22 12:42	Pace	Radium-228	27.476	39.674	126.4	<MDC	166.074	
49	490004A1	30517360001	08/25/2022 08:23	9/16/22 9:18	Pace	Radium-226	51.096	30.3	92.07	<MDC	122.37	312.371
49	490004A1	30517360001	08/25/2022 08:23	9/16/22 9:18	Pace	Radium-228	0	17.601	172.4	<MDC	190.001	
49	490004A2	30517360002	08/25/2022 08:25	9/16/22 10:20	Pace	Radium-226	198.46	74.623	62.63	198.46	273.083	455.128
49	490004A2	30517360002	08/25/2022 08:25	9/16/22 10:20	Pace	Radium-228	56.456	63.245	118.8	<MDC	182.045	

**Untreated Landfill Leachate Investigation Summary - Quarter 5 Results**

Site	Sample ID	Lab ID	Collected Date	Analyzed Date	Lab	Isotope	Results (Raw Data)	Uncertainty (±)	MDC	Calculated Results		
										Reportable Results	Upper Bound Radium	Combined Radium Ra-226 & Ra-228 (pCi/L)
1	010005A1	30541534001	11/28/2022 10:21	12/21/22 8:31	Pace	Radium-226	102.21	49.209	42.12	102.21	151.419	315.384
1	010005A1	30541534001	11/28/2022 10:21	12/21/22 8:31	Pace	Radium-228	29.14	46.965	117	<MDC	163.965	
1	010005A2	30541534002	11/28/2022 10:23	12/21/22 8:31	Pace	Radium-226	47.231	40.579	84.59	<MDC	125.169	356.059
1	010005A2	30541534002	11/28/2022 10:23	12/21/22 8:31	Pace	Radium-228	0	68.19	162.7	<MDC	230.89	
1	010005B1	602571001	11/28/2022 10:24	12/7/22 14:54	Gel	Radium-226	35.6	73.4	50.5	<MDC	123.9	149.8
1	010005B1	602571001	11/28/2022 10:24	12/7/22 14:54	Gel	Radium-228	13.7	11.9	14	<MDC	25.9	
2	020005A1	30541557001	11/28/2022 09:54	12/21/22 9:39	Pace	Radium-226	46.511	38.784	66.85	<MDC	105.634	317.214
2	020005A1	30541557001	11/28/2022 09:54	12/21/22 9:39	Pace	Radium-228	31.284	111.08	100.5	<MDC	211.58	
3	030005A1	30541944001	11/29/2022 10:15	12/23/22 10:29	Pace	Radium-226	0	41.624	87.85	<MDC	129.474	313.487
3	030005A1	30541944001	11/29/2022 10:15	12/23/22 10:29	Pace	Radium-228	0	52.613	131.4	<MDC	184.013	
4	040005A1	30541942001	11/29/2022 09:41	12/23/22 8:54	Pace	Radium-226	7.286	72.455	88.8	<MDC	161.255	297.938
4	040005A1	30541942001	11/29/2022 09:41	12/23/22 8:54	Pace	Radium-228	67.949	49.083	87.6	<MDC	136.683	
5	050005A1	30541560001	11/22/2022 10:35	12/21/22 10:43	Pace	Radium-226	99.418	37.441	55.13	99.418	136.859	367.469
5	050005A1	30541560001	11/22/2022 10:35	12/21/22 10:43	Pace	Radium-228	10.577	121.31	109.3	<MDC	230.61	
6	060005A1	30546606001	12/13/2022 11:15	1/5/23 10:03	Pace	Radium-226	0	18.328	86.78	<MDC	105.108	271.404
6	060005A1	30546606001	12/13/2022 11:15	1/5/23 10:03	Pace	Radium-228	70.483	62.696	103.6	<MDC	166.296	
7	070005A1	30540853001	11/22/2022 10:05	12/19/22 12:41	Pace	Radium-226	0	33.637	79.04	<MDC	112.677	337.472
7	070005A1	30540853001	11/22/2022 10:05	12/19/22 12:41	Pace	Radium-228	54.493	63.195	161.6	<MDC	224.795	
8	080005A1	30542616001	11/29/2022 10:30	12/23/22 11:33	Pace	Radium-226	55.741	32.804	91.12	<MDC	123.924	310.515
8	080005A1	30542616001	11/29/2022 10:30	12/23/22 11:33	Pace	Radium-228	0	48.591	138	<MDC	186.591	
9	090005A1	30545635001	12/09/2022 12:09	1/5/23 7:58	Pace	Radium-226	11.818	76.544	71.92	<MDC	148.464	365.924
9	090005A1	30545635001	12/09/2022 12:09	1/5/23 7:58	Pace	Radium-228	58.018	113.76	103.7	<MDC	217.46	
9	090005A2	30545635002	12/09/2022 12:10	1/5/23 7:59	Pace	Radium-226	19.125	28.785	95.3	<MDC	124.085	315.273
9	090005A2	30545635002	12/09/2022 12:10	1/5/23 7:59	Pace	Radium-228	0	52.888	138.3	<MDC	191.188	
9	090005B1	603815001	12/9/2022 13:35	12/31/22 19:32	Gel	Radium-226	-31.7	63.8	113	<MDC	176.8	216.5
9	090005B1	603815001	12/9/2022 13:35	12/31/22 19:32	Gel	Radium-228	9.56	22.7	17	<MDC	39.7	
10	100005A1	30546606002	12/13/2022 12:25	1/5/23 10:03	Pace	Radium-226	0	30.757	91.42	<MDC	122.177	329.315
10	100005A1	30546606002	12/13/2022 12:25	1/5/23 10:03	Pace	Radium-228	20.832	87.038	120.1	<MDC	207.138	
11	110005A1	30550262001	12/19/2022 12:05	1/20/23 10:17	Pace	Radium-226	72.6	60.239	69.75	72.6	132.839	343.558
11	110005A1	30550262001	12/19/2022 12:05	1/20/23 10:17	Pace	Radium-228	0	44.319	166.4	<MDC	210.719	
11	110005A2	30550262002	12/19/2022 12:05	1/20/23 10:48	Pace	Radium-226	0	25.503	92.05	<MDC	117.553	329.715
11	110005A2	30550262002	12/19/2022 12:05	1/20/23 10:48	Pace	Radium-228	45.483	69.262	142.9	<MDC	212.162	
11	110005A3	30550262003	12/19/2022 12:05	1/20/23 11:19	Pace	Radium-226	132.12	76.5	60.59	132.12	208.62	357.908
11	110005A3	30550262003	12/19/2022 12:05	1/20/23 11:19	Pace	Radium-228	0	25.588	123.7	<MDC	149.288	
11	110005A4	30550262004	12/19/2022 12:05	1/20/23 11:53	Pace	Radium-226	0	42.813	92.05	<MDC	134.863	

**Untreated Landfill Leachate Investigation Summary - Quarter 5 Results**

Site	Sample ID	Lab ID	Collected Date	Analyzed Date	Lab	Isotope	Results (Raw Data)	Uncertainty (±)	MDC	Calculated Results		
										Reportable Results	Upper Bound Radium	Combined Radium Ra-226 & Ra-228 (pCi/L)
11	110005A4	30550262004	12/19/2022 12:05	1/20/23 11:53	Pace	Radium-228	13.007	105.51	125.5	<MDC	231.01	365.873
12	120005A1	30535447001	11/02/2022 10:10	11/29/22 13:31	Pace	Radium-226	20.061	25.117	81.76	<MDC	106.877	322.515
12	120005A1	30535447001	11/02/2022 10:10	11/29/22 13:31	Pace	Radium-228	35.02	66.038	149.6	<MDC	215.638	
13	130005A1	30550203001	12/15/2022 13:10	1/20/23 8:43	Pace	Radium-226	28.532	30.418	67.7	<MDC	98.118	236.371
13	130005A1	30550203001	12/15/2022 13:10	1/20/23 8:43	Pace	Radium-228	67.201	61.253	77	<MDC	138.253	
13	130005A2	30550203002	12/15/2022 13:10	1/20/23 9:46	Pace	Radium-226	0	39.208	109.9	<MDC	149.108	382.419
13	130005A2	30550203002	12/15/2022 13:10	1/20/23 9:46	Pace	Radium-228	25.356	48.411	184.9	<MDC	233.311	
14	140005A1	30542602001	11/30/2022 11:03	12/23/22 10:29	Pace	Radium-226	40.814	51.657	68.1	<MDC	119.757	354.152
14	140005A1	30542602001	11/30/2022 11:03	12/23/22 10:29	Pace	Radium-228	0	58.395	176	<MDC	234.395	
15	150005A1	30548431001	12/19/2022 11:12	1/12/23 9:09	Pace	Radium-226	30.31	23.429	87.34	<MDC	110.769	299.994
15	150005A1	30548431001	12/19/2022 11:12	1/12/23 9:09	Pace	Radium-228	0	35.225	154	<MDC	189.225	
16	160005A1	30543533001	12/05/2022 14:00	12/30/22 8:27	Pace	Radium-226	59.462	27.297	75.21	<MDC	102.507	334.417
16	160005A1	30543533001	12/05/2022 14:00	12/30/22 8:27	Pace	Radium-228	39.28	122.71	109.2	<MDC	231.91	
17	170005A1	30539998001	11/18/2022 09:30	12/12/22 8:46	Pace	Radium-226	53.851	48.136	71.09	<MDC	119.226	311.124
17	170005A1	30539998001	11/18/2022 09:30	12/12/22 8:46	Pace	Radium-228	64.239	74.498	117.4	<MDC	191.898	
18	180005A1	30537612003	11/10/2022 13:18	12/2/22 10:52	Pace	Radium-226	62.589	39.903	70.08	<MDC	109.983	329.733
18	180005A1	30537612003	11/10/2022 13:18	12/2/22 10:52	Pace	Radium-228	10.424	111.75	108	<MDC	219.75	
18	180005A1	30537612004	11/10/2022 13:19	12/2/22 10:53 AM	Pace	Radium-226	33.376	52.718	70.84	<MDC	123.558	310.259
18	180005A1	30537612004	11/10/2022 13:19	12/2/22 10:53 AM	Pace	Radium-228	0	17.601	169.1	<MDC	186.701	
19	190005A1	30537345001	11/09/2022 10:47	12/2/22 8:45	Pace	Radium-226	61.869	41.914	74.19	<MDC	116.104	299.198
19	190005A1	30537345001	11/09/2022 10:47	12/2/22 8:45	Pace	Radium-228	0	52.594	130.5	<MDC	183.094	
20	200005A1	30538658001	11/15/2022 09:32	12/8/22 10:12	Pace	Radium-226	0.158	68.001	68.97	<MDC	136.971	331.391
20	200005A1	30538658001	11/15/2022 09:32	12/8/22 10:12	Pace	Radium-228	85.945	102.97	91.45	<MDC	194.42	
20	200005A1	30538658002	11/15/2022 09:34	12/8/22 10:13	Pace	Radium-226	17.696	25.457	109.3	<MDC	134.757	334.122
20	200005A1	30538658002	11/15/2022 09:34	12/8/22 10:13	Pace	Radium-228	56.896	41.665	157.7	<MDC	199.365	
20	200005A2	30538658003	11/15/2022 09:36	12/8/22 11:15	Pace	Radium-226	47.991	37.292	75.14	<MDC	112.432	245.456
20	200005A2	30538658003	11/15/2022 09:36	12/8/22 11:15	Pace	Radium-228	0	15.624	117.4	<MDC	133.024	
20	200005A2	30538658004	11/15/2022 09:37	12/8/22 11:19	Pace	Radium-226	18.776	49.833	68.25	<MDC	118.083	302.909
20	200005A2	30538658004	11/15/2022 09:37	12/8/22 11:19	Pace	Radium-228	118.63	66.196	104.3	118.63	184.826	
21	210006A1	30544609001	12/07/2022 11:02	12/30/22 9:52	Pace	Radium-226	17.893	21.073	82.68	<MDC	103.753	236.376
21	210006A1	30544609001	12/07/2022 11:02	12/30/22 9:52	Pace	Radium-228	0	15.623	117	<MDC	132.623	
22	220005A1	30541234001	11/22/2022 10:25	12/19/22 14:49	Pace	Radium-226	8.81	72.21	69.04	<MDC	141.25	291.398
22	220005A1	30541234001	11/22/2022 10:25	12/19/22 14:49	Pace	Radium-228	0	25.548	124.6	<MDC	150.148	
22	220005B1	602096001	11/22/2022 10:25	12/07/2022 14:52	Gel	Radium-226	6.73	49.1	75	<MDC	124.1	147.22
22	220005B1	602096001	11/22/2022 10:25	12/07/2022 14:52	Gel	Radium-228	-0.844	8.92	14.2	<MDC	23.12	

**Untreated Landfill Leachate Investigation Summary - Quarter 5 Results**

Site	Sample ID	Lab ID	Collected Date	Analyzed Date	Lab	Isotope	Results (Raw Data)	Uncertainty (±)	MDC	Calculated Results		
										Reportable Results	Upper Bound Radium	Combined Radium Ra-226 & Ra-228 (pCi/L)
23	230005A1	30545875001	12/08/2022 11:25	1/5/23 9:01	Pace	Radium-226	48.033	42.043	65.42	<MDC	107.463	247.34
23	230005A1	30545875001	12/08/2022 11:25	1/5/23 9:01	Pace	Radium-228	0	12.777	127.1	<MDC	139.877	
23	230005A2	30545875002	12/08/2022 11:25	1/5/23 9:01	Pace	Radium-226	0	42.116	106.1	<MDC	148.216	310.955
23	230005A2	30545875002	12/08/2022 11:25	1/5/23 9:01	Pace	Radium-228	52.773	64.589	98.15	<MDC	162.739	
24	240005A1	30543533002	12/05/2022 10:55	12/30/22 8:27	Pace	Radium-226	39.13	52.248	84.59	<MDC	136.838	375.668
24	240005A1	30543533002	12/05/2022 10:55	12/30/22 8:27	Pace	Radium-228	138.45	100.38	112.2	138.45	238.83	
25	250005A1	30537346001	11/09/2022 10:30	12/2/22 8:46	Pace	Radium-226	151.97	59.502	59.75	151.97	211.472	534.492
25	250005A1	30537346001	11/09/2022 10:30	12/2/22 8:46	Pace	Radium-228	2.822	153.92	169.1	<MDC	323.02	
25	250005B1	600566001	11/9/2022 10:30	11/22/22 16:43	Gel	Radium-226	-54.2	80	143	<MDC	223	257.2
25	250005B1	600566001	11/9/2022 10:30	11/22/22 16:43	Gel	Radium-228	0	16.6	17.6	<MDC	34.2	
26	260006A1	30544609002	12/07/2022 12:02	12/30/22 10:55	Pace	Radium-226	0	31.182	80.88	<MDC	112.062	259.43
26	260006A1	30544609002	12/07/2022 12:02	12/30/22 10:55	Pace	Radium-228	0	38.268	109.1	<MDC	147.368	
27	270005A1	30538658005	11/15/2022 13:41	12/8/22 12:21	Pace	Radium-226	117.59	62.953	56.74	117.59	180.543	361.032
27	270005A1	30538658005	11/15/2022 13:41	12/8/22 12:21	Pace	Radium-228	73.092	63.089	117.4	<MDC	180.489	
27	270005A1	30538658006	11/15/2022 13:43	12/8/22 12:25	Pace	Radium-226	30.308	40.377	91.33	<MDC	131.707	356.43
27	270005A1	30538658006	11/15/2022 13:43	12/8/22 12:25	Pace	Radium-228	75.237	99.623	125.1	<MDC	224.723	
28	280005A1	30537612001	11/10/2022 11:25	12/2/22 9:47	Pace	Radium-226	85.917	76.235	65.7	85.917	162.152	418.282
28	280005A1	30537612001	11/10/2022 11:25	12/2/22 9:47	Pace	Radium-228	4.049	132.63	123.5	<MDC	256.13	
28	280005A1	30537612002	11/10/2022 11:28	12/2/22 9:48	Pace	Radium-226	110.13	53.534	65.33	110.13	163.664	432.834
28	280005A1	30537612002	11/10/2022 11:28	12/2/22 9:48	Pace	Radium-228	75.419	129.67	139.5	<MDC	269.17	
29	290005A1	30537612005	11/10/2022 13:56	12/2/22 11:54	Pace	Radium-226	18.463	77.48	74.19	<MDC	151.67	390.05
29	290005A1	30537612005	11/10/2022 13:56	12/2/22 11:54	Pace	Radium-228	2.455	122.38	116	<MDC	238.38	
29	290005A1	30537612006	11/10/2022 13:58	12/2/22 11:54	Pace	Radium-226	40.959	51.27	65.33	<MDC	116.6	286.585
29	290005A1	30537612006	11/10/2022 13:58	12/2/22 11:54	Pace	Radium-228	0	30.485	139.5	<MDC	169.985	
29	290005B1	600821001	11/15/2022 10:30	11/22/22 16:43	Gel	Radium-226	11.4	73	81.2	<MDC	154.2	186.1
29	290005B1	600821001	11/15/2022 10:30	11/22/22 16:43	Gel	Radium-228	0.959	11.1	20.8	<MDC	31.9	
30	300005A1	30542618001	11/29/2022 13:36	12/23/22 11:33	Pace	Radium-226	13.629	63.619	80.13	<MDC	143.749	348.71
30	300005A1	30542618001	11/29/2022 13:36	12/23/22 11:33	Pace	Radium-228	74.833	73.461	131.5	<MDC	204.961	
31	310004A1	30540965002	11/17/2022 13:15	12/19/22 13:45	Pace	Radium-226	0	34.673	71.16	<MDC	105.833	282.181
31	310004A1	30540965002	11/17/2022 13:15	12/19/22 13:45	Pace	Radium-228	35.701	51.548	124.8	<MDC	176.348	
31	310004A2	30540965003	11/17/2022 13:15	12/19/22 13:46	Pace	Radium-226	24.796	25.376	80.13	<MDC	105.506	318.393
31	310004A2	30540965003	11/17/2022 13:15	12/19/22 13:46	Pace	Radium-228	0	12.487	200.4	<MDC	212.887	
32	320004A1	30540965001	11/17/2022 10:45	12/19/22 12:43	Pace	Radium-226	10.911	63.381	80.13	<MDC	143.511	447.761
32	320004A1	30540965001	11/17/2022 10:45	12/19/22 12:43	Pace	Radium-228	10.781	141.05	163.2	<MDC	304.25	
33	330005A1	30545256002	12/08/2022 11:30	1/3/23 10:14	Pace	Radium-226	0	41.408	91.42	<MDC	132.828	

**Untreated Landfill Leachate Investigation Summary - Quarter 5 Results**

Site	Sample ID	Lab ID	Collected Date	Analyzed Date	Lab	Isotope	Results (Raw Data)	Uncertainty (±)	MDC	Calculated Results		
										Reportable Results	Upper Bound Radium	Combined Radium Ra-226 & Ra-228 (pCi/L)
33	330005A1	30545256002	12/08/2022 11:30	1/3/23 10:14	Pace	Radium-228	15.66	108.8	138.3	<MDC	247.1	379.928
34	340005A1	30544624001	12/07/2022 09:30	12/30/22 12:17	Pace	Radium-226	34.658	60.29	80.88	<MDC	141.17	338.646
34	340005A1	30544624001	12/07/2022 09:30	12/30/22 12:17	Pace	Radium-228	87.525	96.976	100.5	<MDC	197.476	
35	350005A1	30537728003	11/10/2022 10:56	12/5/22 10:29	Pace	Radium-226	63.879	31.247	63.96	<MDC	95.207	344.167
35	350005A1	30537728003	11/10/2022 10:56	12/5/22 10:29	Pace	Radium-228	4.627	131.46	117.5	<MDC	248.96	
36	360005A1	30540802001	11/22/2022 12:20	12/19/22 11:34	Pace	Radium-226	57.184	53.112	64.58	<MDC	117.692	331.492
36	360005A1	30540802001	11/22/2022 12:20	12/19/22 11:34	Pace	Radium-228	63.257	113.2	100.6	<MDC	213.8	
36	360005A2	30540802002	11/22/2022 12:20	12/19/22 11:35	Pace	Radium-226	26.118	41.544	92.81	<MDC	134.354	402.735
36	360005A2	30540802002	11/22/2022 12:20	12/19/22 11:35	Pace	Radium-228	0	68.281	200.1	<MDC	268.381	
36	360005B1	602192001	11/22/2022 12:20	12/7/22 14:52	Gel	Radium-226	-57.4	44.5	70.9	<MDC	115.4	135.7
36	360005B1	602192001	11/22/2022 12:20	12/7/22 14:52	Gel	Radium-228	7.45	8.6	11.7	<MDC	20.3	
37	370005A1	30537728002	11/10/2022 09:40	12/5/22 9:23	Pace	Radium-226	26.419	39.256	91.33	<MDC	130.586	326.041
37	370005A1	30537728002	11/10/2022 09:40	12/5/22 9:23	Pace	Radium-228	0	52.855	142.6	<MDC	195.455	
38	380005A1	30547035001	12/14/2022 09:49	1/10/23 11:06	Pace	Radium-226	0	35.237	95.3	<MDC	130.537	291.831
38	380005A1	30547035001	12/14/2022 09:49	1/10/23 11:06	Pace	Radium-228	50.988	63.174	98.12	<MDC	161.294	
39	390005A1	30545256001	12/08/2022 09:35	1/3/23 10:13	Pace	Radium-226	22.967	69.804	65.42	<MDC	135.224	303.311
39	390005A1	30545256001	12/08/2022 09:35	1/3/23 10:13	Pace	Radium-228	35.475	64.387	103.7	<MDC	168.087	
39	390005B2	603814001	12/8/2022 9:35	12/31/22 19:31	Gel	Radium-226	21.8	62.2	71.5	<MDC	133.7	163.3
39	390005B2	603814001	12/8/2022 9:35	12/31/22 19:31	Gel	Radium-228	7.51	11.9	17.7	<MDC	29.6	
40	400005A1	30547030001	12/14/2022 11:05	1/10/23 9:50	Pace	Radium-226	0.408	69.927	87.34	<MDC	157.267	361.875
40	400005A1	30547030001	12/14/2022 11:05	1/10/23 9:50	Pace	Radium-228	2.161	84.408	120.2	<MDC	204.608	
40	400005A2	30547030002	12/14/2022 11:05	1/10/23 11:05	Pace	Radium-226	0	35.678	83.33	<MDC	119.008	325.946
40	400005A2	30547030002	12/14/2022 11:05	1/10/23 11:05	Pace	Radium-228	78.481	43.438	163.5	<MDC	206.938	
40	400005B1	604498001	12/14/2022 11:10	12/31/22 19:41	Gel	Radium-226	59.2	76.9	76	<MDC	152.9	183.6
40	400005B1	604498001	12/14/2022 11:10	12/31/22 19:41	Gel	Radium-228	5.96	10.9	19.8	<MDC	30.7	
41	410005A1	30542819001	11/30/2022 11:50	12/23/22 13:37	Pace	Radium-226	38.293	71.085	66.85	<MDC	137.935	349.325
41	410005A1	30542819001	11/30/2022 11:50	12/23/22 13:37	Pace	Radium-228	28.096	110.89	100.5	<MDC	211.39	
41	410005B1	602904001	11/30/2022 11:45	12/07/2022 14:54	Gel	Radium-226	16	66.6	56.5	<MDC	123.1	144.12
41	410005B1	602904001	11/30/2022 11:45	12/07/2022 14:54	Gel	Radium-228	1.24	8.62	12.4	<MDC	21.02	
42	420005A1	30547035002	12/13/2022 11:32	1/10/23 12:23	Pace	Radium-226	45.018	68.327	63.1	<MDC	131.427	297.397
42	420005A1	30547035002	12/13/2022 11:32	1/10/23 12:23	Pace	Radium-228	0	46.07	119.9	<MDC	165.97	
43	430005A1	30542808001	11/30/2022 10:05	12/23/22 12:35	Pace	Radium-226	14.013	79.395	75.21	<MDC	154.605	311.562
43	430005A1	30542808001	11/30/2022 10:05	12/23/22 12:35	Pace	Radium-228	0	12.757	144.2	<MDC	156.957	
43	430005A2	30542808002	11/30/2022 10:05	12/23/22 12:35	Pace	Radium-226	21.661	40.546	84.59	<MDC	125.136	364.416
43	430005A2	30542808002	11/30/2022 10:05	12/23/22 12:35	Pace	Radium-228	33.574	107.78	131.5	<MDC	239.28	

**Untreated Landfill Leachate Investigation Summary - Quarter 5 Results**

Site	Sample ID	Lab ID	Collected Date	Analyzed Date	Lab	Isotope	Results (Raw Data)	Uncertainty (±)	MDC	Calculated Results		
										Reportable Results	Upper Bound Radium	Combined Radium Ra-226 & Ra-228 (pCi/L)
44	440005A1	30542819003	11/30/2022 14:50	12/23/22 14:59	Pace	Radium-226	50.538	51.721	88.8	<MDC	140.521	332.441
44	440005A1	30542819003	11/30/2022 14:50	12/23/22 14:59	Pace	Radium-228	43.122	79.82	112.1	<MDC	191.92	
45	450005A1	30542819002	11/30/2022 14:05	12/23/22 13:37	Pace	Radium-226	9.551	45.747	64.71	<MDC	110.457	353.427
45	450005A1	30542819002	11/30/2022 14:05	12/23/22 13:37	Pace	Radium-228	64.697	111.47	131.5	<MDC	242.97	
46	460005A1	30544624002	12/07/2022 11:15	12/30/22 12:18	Pace	Radium-226	18.982	28.666	88.8	<MDC	117.466	390.116
46	460005A1	30544624002	12/07/2022 11:15	12/30/22 12:18	Pace	Radium-228	15.936	124.65	148	<MDC	272.65	
47	470005A1	30547035003	12/13/2022 10:05	1/10/23 12:24	Pace	Radium-226	0	42.116	95.3	<MDC	137.416	353.801
47	470005A1	30547035003	12/13/2022 10:05	1/10/23 12:24	Pace	Radium-228	83.222	96.085	120.3	<MDC	216.385	
48	480005A1	30537728004	11/10/2022 11:59	12/5/22 11:33	Pace	Radium-226	91.304	49.013	52.96	91.304	140.317	358.183
48	480005A1	30537728004	11/10/2022 11:59	12/5/22 11:33	Pace	Radium-228	131.44	86.426	80.81	131.44	217.866	
49	490005A1	30537728001	11/10/2022 08:18	12/5/22 9:22	Pace	Radium-226	11.802	80.353	78.98	<MDC	159.333	348.724
49	490005A1	30537728001	11/10/2022 08:18	12/5/22 9:22	Pace	Radium-228	115.41	73.981	80.81	115.41	189.391	

**Untreated Landfill Leachate Investigation Summary - Quarter 6 Results**

Site	Sample ID	Lab ID	Collected Date	Analyzed Date	Lab	Isotope	Results (Raw Data)	Uncertainty (±)	MDC	Calculated Results		
										Reportable Results	Upper Bound Radium	Combined Radium Ra-226 & Ra-228 (pCi/L)
1	010006A1	30567110001	03/02/2023 11:06	3/30/23 12:38	Pace	Radium-226	44.336	60.627	80.06	<MDC	140.687	313.091
1	010006A1	30567110001	03/02/2023 11:06	3/30/23 12:38	Pace	Radium-228	41.319	82.154	90.25	<MDC	172.404	
2	020006A1	30565285001	02/23/2023 09:50	3/23/23 7:05	Pace	Radium-226	25.135	46.884	80.46	<MDC	127.344	412.024
2	020006A1	30565285001	02/23/2023 09:50	3/23/23 7:05	Pace	Radium-228	12.657	128.58	156.1	<MDC	284.68	
3	030006A1	30562846001	02/14/2023 11:15	3/9/23 13:40	Pace	Radium-226	21.975	23.43	94.42	<MDC	117.85	292.865
3	030006A1	30562846001	02/14/2023 11:15	3/9/23 13:40	Pace	Radium-228	0	35.215	139.8	<MDC	175.015	
3	030006A2	30562846002	02/14/2023 11:15	3/9/23 14:43	Pace	Radium-226	37.905	40.961	61.2	<MDC	102.161	294.079
3	030006A2	30562846002	02/14/2023 11:15	3/9/23 14:43	Pace	Radium-228	29.104	52.118	139.8	<MDC	191.918	
4	040006A1	30564903001	02/22/2023 11:00	3/20/23 19:57	Pace	Radium-226	19.154	54.312	70.65	<MDC	124.962	310.956
4	040006A1	30564903001	02/22/2023 11:00	3/20/23 19:57	Pace	Radium-228	32.157	63.194	122.8	<MDC	185.994	
4	040006A1	30564903002	02/22/2023 11:01	3/20/23 20:59	Pace	Radium-226	0	35.237	80.46	<MDC	115.697	333.264
4	040006A1	30564903002	02/22/2023 11:01	3/20/23 20:59	Pace	Radium-228	73.379	47.567	170	<MDC	217.567	
4	040006A2	30564903003	02/22/2023 11:02	3/20/23 22:00	Pace	Radium-226	0	34.388	70.65	<MDC	105.038	338.593
4	040006A2	30564903003	02/22/2023 11:02	3/20/23 22:00	Pace	Radium-228	0	63.555	170	<MDC	233.555	
4	040006A2	30564903004	02/22/2023 11:03	3/21/23 11:04	Pace	Radium-226	95.446	60.393	61.3	95.446	155.839	406.509
4	040006A2	30564903004	02/22/2023 11:03	3/21/23 11:04	Pace	Radium-228	11.614	110.07	140.6	<MDC	250.67	
4	040006B1	612125001	2/22/2023 11:04	3/16/23 5:27	Gel	Radium-226	91.4	117	117	<MDC	234	295.1
4	040006B1	612125001	2/22/2023 11:04	3/16/23 5:27	Gel	Radium-228	9.57	21.3	39.8	<MDC	61.1	
5	050006A1	30565287001	02/23/2023 10:09	3/23/23 8:06	Pace	Radium-226	0	30.757	84.9	<MDC	115.657	311.191
5	050006A1	30565287001	02/23/2023 10:09	3/23/23 8:06	Pace	Radium-228	0	39.434	156.1	<MDC	195.534	
6	060006A1	30565286001	02/23/2023 12:25	3/23/23 9:39	Pace	Radium-226	0	22.986	96.91	<MDC	119.896	329.451
6	060006A1	30565286001	02/23/2023 12:25	3/23/23 9:39	Pace	Radium-228	32.854	39.455	170.1	<MDC	209.555	
6	060006A2	30565286002	02/23/2023 12:25	3/23/23 10:40	Pace	Radium-226	0	20.344	96.91	<MDC	117.254	335.873
6	060006A2	30565286002	02/23/2023 12:25	3/23/23 10:40	Pace	Radium-228	66.694	95.719	122.9	<MDC	218.619	
7	070006A1	30563045001	02/14/2023 09:25	3/10/23 12:39	Pace	Radium-226	17.069	65.43	82.02	<MDC	147.45	361.167
7	070006A1	30563045001	02/14/2023 09:25	3/10/23 12:39	Pace	Radium-228	36.54	31.517	182.2	<MDC	213.717	
8	080006A1	30561472001	02/09/2023 10:05	3/8/23 12:12	Pace	Radium-226	19.954	34.422	72.44	<MDC	106.862	279.993
8	080006A1	30561472001	02/09/2023 10:05	3/8/23 12:12	Pace	Radium-228	0	17.631	155.5	<MDC	173.131	
9	090006A1	30559813001	02/03/2023 10:49	3/8/23 8:29	Pace	Radium-226	36.337	25.774	94.42	<MDC	120.194	325.423
9	090006A1	30559813001	02/03/2023 10:49	3/8/23 8:29	Pace	Radium-228	0	35.329	169.9	<MDC	205.229	
10	100006A1	30571139001	03/16/2023 12:40	4/10/23 9:15	Pace	Radium-226	64.066	39.817	71.34	<MDC	111.157	340.377
10	100006A1	30571139001	03/16/2023 12:40	4/10/23 9:15	Pace	Radium-228	32.069	122.02	107.2	<MDC	229.22	
11	110006A1	30572134001	3/21/2023 10:20	4/20/23 17:06	Pace	Radium-226	76.603	38.005	81.56	<MDC	119.565	298.851
11	110006A1	30572134001	3/21/2023 10:20	4/20/23 17:06	Pace	Radium-228	74.836	99.816	79.47	<MDC	179.286	
11	110006A1	30572134002	3/21/2023 10:20	4/20/23 17:07	Pace	Radium-226	19.344	31.822	80.09	<MDC	111.912	

**Untreated Landfill Leachate Investigation Summary - Quarter 6 Results**

Site	Sample ID	Lab ID	Collected Date	Analyzed Date	Lab	Isotope	Results (Raw Data)	Uncertainty (±)	MDC	Calculated Results		
										Reportable Results	Upper Bound Radium	Combined Radium Ra-226 & Ra-228 (pCi/L)
11	110006A1	30572134002	3/21/2023 10:20	4/20/23 17:07	Pace	Radium-228	16.806	107.9	134.3	<MDC	242.2	354.112
12	120006A1	30568855001	03/08/2023 10:00	4/6/23 9:09	Pace	Radium-226	1.676	77.804	93.65	<MDC	171.454	383.445
12	120006A1	30568855001	03/08/2023 10:00	4/6/23 9:09	Pace	Radium-228	1.705	99.891	112.1	<MDC	211.991	
12	120006A2	30568855002	03/08/2023 10:00	4/6/23 10:10	Pace	Radium-226	122.4	55.791	48.74	122.4	178.191	333.143
12	120006A2	30568855002	03/08/2023 10:00	4/6/23 10:10	Pace	Radium-228	0	36.152	118.8	<MDC	154.952	
13	130006A1	30575437001	4/3/2023 11:00	4/28/23 13:35	Pace	Radium-226	57.957	90.093	71.74	<MDC	161.833	327.47
13	130006A1	30575437001	4/3/2023 11:00	4/28/23 13:35	Pace	Radium-228	0	29.937	135.7	<MDC	165.637	
13	130006A1	30575437002	4/3/2023 11:00	4/28/23 14:38	Pace	Radium-226	16.045	81.193	75.75	<MDC	156.943	341.586
13	130006A1	30575437002	4/3/2023 11:00	4/28/23 14:38	Pace	Radium-228	0	55.643	129	<MDC	184.643	
14	140006A1	30571161001	03/16/2023 10:57	4/10/23 10:11	Pace	Radium-226	0	46.136	95.31	<MDC	141.446	335.116
14	140006A1	30571161001	03/16/2023 10:57	4/10/23 10:11	Pace	Radium-228	30.224	54.47	139.2	<MDC	193.67	
15	150006A1	30565505001	02/23/2023 09:51	3/23/23 14:01	Pace	Radium-226	16.714	26.323	110.8	<MDC	137.123	387.123
15	150006A1	30565505001	02/23/2023 09:51	3/23/23 14:01	Pace	Radium-228	5.383	109.4	140.6	<MDC	250	
16	160006A1	30565786001	02/27/2023 10:20	3/27/23 10:45	Pace	Radium-226	30.103	63.28	80.06	<MDC	143.34	363.95
16	160006A1	30565786001	02/27/2023 10:20	3/27/23 10:45	Pace	Radium-228	48.593	106.41	114.2	<MDC	220.61	
16	160006B1	612852001	2/27/2023 10:15	3/16/23 5:28	Gel	Radium-226	-88.4	88.9	131	<MDC	219.9	279.8
16	160006B1	612852001	2/27/2023 10:15	3/16/23 5:28	Gel	Radium-228	7.76	31	28.9	<MDC	59.9	
17	170006A1	30561482001	02/09/2023 09:45	3/8/23 1:23 PM	Pace	Radium-226	0	30.635	94.42	<MDC	125.055	320.709
17	170006A1	30561482001	02/09/2023 09:45	3/8/23 1:23 PM	Pace	Radium-228	0	55.754	139.9	<MDC	195.654	
18	180006A1	30565283003	02/23/2023 11:54	3/22/23 20:54	Pace	Radium-226	0	10.874	75.73	<MDC	86.604	337.284
18	180006A1	30565283003	02/23/2023 11:54	3/22/23 20:54	Pace	Radium-228	11.616	110.08	140.6	<MDC	250.68	
18	180006A1	30565283004	02/23/2023 11:54	3/22/23 21:57	Pace	Radium-226	0	46.136	100.6	<MDC	146.736	282.104
18	180006A1	30565283004	02/23/2023 11:54	3/22/23 21:57	Pace	Radium-228	0	12.468	122.9	<MDC	135.368	
19	190006A1	30566099001	02/28/2023 09:46	3/28/23 11:13	Pace	Radium-226	39.395	37.259	75.31	<MDC	112.569	400.109
19	190006A1	30566099001	02/28/2023 09:46	3/28/23 11:13	Pace	Radium-228	7.025	137.94	149.6	<MDC	287.54	
20	200006A1	30564920001	02/22/2023 09:16	3/22/23 13:51	Pace	Radium-226	0	34.388	84.9	<MDC	119.288	307.025
20	200006A1	30564920001	02/22/2023 09:16	3/22/23 13:51	Pace	Radium-228	0	17.637	170.1	<MDC	187.737	
20	200006A1	30564920002	02/22/2023 09:18	3/22/23 15:01	Pace	Radium-226	0	23.068	89.1	<MDC	112.168	398.188
20	200006A1	30564920002	02/22/2023 09:18	3/22/23 15:01	Pace	Radium-228	25.13	129.82	156.2	<MDC	286.02	
21	210006A1	30572842001	3/22/2023 8:00	4/20/23 20:45	Pace	Radium-226	42.887	48.813	81.56	<MDC	130.373	350.753
21	210006A1	30572842001	3/22/2023 8:00	4/20/23 20:45	Pace	Radium-228	26.878	120.41	99.97	<MDC	220.38	
22	220006A1	30563045002	02/14/2023 11:40	3/10/23 13:41	Pace	Radium-226	37.005	49.984	68.63	<MDC	118.614	339.008
22	220006A1	30563045002	02/14/2023 11:40	3/10/23 13:41	Pace	Radium-228	57.959	64.994	155.4	<MDC	220.394	
23	230006A1	30565494002	02/23/2023 11:30	3/23/23 12:56	Pace	Radium-226	0	36.877	80.46	<MDC	117.337	328.06
23	230006A1	30565494002	02/23/2023 11:30	3/23/23 12:56	Pace	Radium-228	10.579	87.823	122.9	<MDC	210.723	

**Untreated Landfill Leachate Investigation Summary - Quarter 6 Results**

Site	Sample ID	Lab ID	Collected Date	Analyzed Date	Lab	Isotope	Results (Raw Data)	Uncertainty (±)	MDC	Calculated Results		
										Reportable Results	Upper Bound Radium	Combined Radium Ra-226 & Ra-228 (pCi/L)
24	240006A1	30565786002	02/27/2023 13:30	3/27/23 11:51	Pace	Radium-226	49.875	39.643	103.8	<MDC	143.443	439.593
24	240006A1	30565786002	02/27/2023 13:30	3/27/23 11:51	Pace	Radium-228	100.55	146.55	149.6	<MDC	296.15	
24	240006A2	30565786003	02/27/2023 13:30	3/27/23 13:01	Pace	Radium-226	22.457	41.569	103.8	<MDC	145.369	385.889
24	240006A2	30565786003	02/27/2023 13:30	3/27/23 13:01	Pace	Radium-228	101.9	107.22	133.3	<MDC	240.52	
25	250006A1	30563978001	02/17/2023 10:30	3/15/23 9:37	Pace	Radium-226	89.481	75.011	64.75	89.481	164.492	374.936
25	250006A1	30563978001	02/17/2023 10:30	3/15/23 9:37	Pace	Radium-228	0	65.944	144.5	<MDC	210.444	
25	250006A2	30563978002	02/17/2023 10:31	3/15/23 10:39	Pace	Radium-226	0	31.704	96.67	<MDC	128.374	349.534
25	250006A2	30563978002	02/17/2023 10:31	3/15/23 10:39	Pace	Radium-228	34.312	93.76	127.4	<MDC	221.16	
26	260006A1	30572842002	3/22/2023 10:00	4/20/23 20:46	Pace	Radium-226	0	39.208	88.77	<MDC	127.978	275.709
26	260006A1	30572842002	3/22/2023 10:00	4/20/23 20:46	Pace	Radium-228	19.899	32.331	115.4	<MDC	147.731	
26	260006B1	615619001	3/22/2023 10:30	04/11/2023 19:42	Gel	Radium-226	-81.2	48.2	65.9	<MDC	114.1	137.5
26	260006B1	615619001	3/22/2023 10:30	04/11/2023 19:42	Gel	Radium-228	0.439	10.4	13	<MDC	23.4	
27	270006A1	30564920003	02/22/2023 13:41	3/22/23 16:02	Pace	Radium-226	0	35.237	70.65	<MDC	105.887	304.093
27	270006A1	30564920003	02/22/2023 13:41	3/23/23 16:02	Pace	Radium-228	24.723	42.006	156.2	<MDC	198.206	
27	270006A1	30564920004	02/22/2023 13:42	3/22/23 17:14	Pace	Radium-226	27.293	31.535	93.09	<MDC	124.625	347.636
27	270006A1	30564920004	02/22/2023 13:42	3/22/23 17:14	Pace	Radium-228	0	52.911	170.1	<MDC	223.011	
28	280006A1	30565494001	02/23/2023 10:04	3/23/23 11:55	Pace	Radium-226	95.729	45.019	52.07	95.729	140.748	374.437
28	280006A1	30565494001	02/23/2023 10:04	3/23/23 11:55	Pace	Radium-228	0	63.589	170.1	<MDC	233.689	
29	290006A1	30565283001	02/23/2023 10:55	3/22/23 18:33	Pace	Radium-226	10.998	53.463	70.65	<MDC	124.113	311.845
29	290006A1	30565283001	02/23/2023 10:55	3/22/23 18:33	Pace	Radium-228	0	17.632	170.1	<MDC	187.732	
29	290006A1	30565283002	02/23/2023 11:00	3/22/23 19:44	Pace	Radium-226	0	28.771	80.46	<MDC	109.231	318.228
29	290006A1	30565283002	02/23/2023 11:00	3/22/23 19:44	Pace	Radium-228	0	52.897	156.1	<MDC	208.997	
30	300006A1	30561454001	02/08/2023 13:50	3/8/23 9:30	Pace	Radium-226	24.686	27.226	86.37	<MDC	113.596	332.032
30	300006A1	30561454001	02/08/2023 13:50	3/8/23 9:30	Pace	Radium-228	64.954	78.436	140	<MDC	218.436	
30	300006B1	610694001	2/8/2023 13:45	02/18/2023 13:57	Gel	Radium-226	66.6	123	98.1	<MDC	221.1	257
30	300006B1	610694001	2/8/2023 13:45	02/18/2023 13:57	Gel	Radium-228	3.36	12.5	23.4	<MDC	35.9	
31	310006A1	30570231001	03/09/2023 15:01	4/6/23 21:06	Pace	Radium-226	49.375	29.283	68.76	<MDC	98.043	290.542
31	310006A1	30570231001	03/09/2023 15:01	4/6/23 21:06	Pace	Radium-228	115.48	77.019	70.38	115.48	192.499	
32	320006A1	30569319001	03/09/2023 15:01	4/6/23 10:17	Pace	Radium-226	0	44.172	89.68	<MDC	133.852	304.934
32	320006A1	30569319001	03/09/2023 15:01	4/6/23 10:17	Pace	Radium-228	56.778	83.652	87.43	<MDC	171.082	
32	320006A1	30569319002	03/09/2023 15:01	4/6/23 11:12	Pace	Radium-226	56.994	54.345	48.2	56.994	111.339	354.199
32	320006A1	30569319002	03/09/2023 15:01	4/6/23 11:12	Pace	Radium-228	40.917	131.96	110.9	<MDC	242.86	
33	330006A1	30568101002	03/07/2023 11:00	3/31/23 9:19	Pace	Radium-226	33.554	40.95	78.19	<MDC	119.14	288.554
33	330006A1	30568101002	03/07/2023 11:00	3/31/23 9:19	Pace	Radium-228	0	45.114	124.3	<MDC	169.414	
34	340006A1	30569330001	03/09/2023 09:27	4/6/23 11:25	Pace	Radium-226	35.259	26.122	89.68	<MDC	115.802	

**Untreated Landfill Leachate Investigation Summary - Quarter 6 Results**

Site	Sample ID	Lab ID	Collected Date	Analyzed Date	Lab	Isotope	Results (Raw Data)	Uncertainty (±)	MDC	Calculated Results		
										Reportable Results	Upper Bound Radium	Combined Radium Ra-226 & Ra-228 (pCi/L)
34	340006A1	30569330001	03/09/2023 09:27	4/6/23 11:25	Pace	Radium-228	3.783	137.09	148.1	<MDC	285.19	400.992
34	340006B1	614102001	3/9/2023 9:27	3/16/23 5:28	Gel	Radium-226	-7.75	85.7	139	<MDC	224.7	268.5
34	340006B1	614102001	3/9/2023 9:27	3/16/23 5:28	Gel	Radium-228	0.28	17.1	26.7	<MDC	43.8	
35	350006A1	30569494003	03/10/2023 10:49	4/6/23 16:58	Pace	Radium-226	10.737	18.495	85.94	<MDC	104.435	328.245
35	350006A1	30569494003	03/10/2023 10:49	4/6/23 16:58	Pace	Radium-228	36.119	121.41	102.4	<MDC	223.81	
35	350006B1	614188001	3/10/2023 10:49	3/16/23 5:29	Gel	Radium-226	30.9	125	104	<MDC	229	266.7
35	350006B1	614188001	3/10/2023 10:49	3/16/23 5:29	Gel	Radium-228	0	17.1	20.6	<MDC	37.7	
36	360006A1	30571134001	03/16/2023 11:37	4/10/23 9:09	Pace	Radium-226	31.138	35.847	95.31	<MDC	131.157	325.352
36	360006A1	30571134001	03/16/2023 11:37	4/10/23 9:09	Pace	Radium-228	0	39.395	154.8	<MDC	194.195	
37	370006A1	30569494002	03/10/2023 09:42	4/6/23 15:56	Pace	Radium-226	0	24.316	93.65	<MDC	117.966	279.617
37	370006A1	30569494002	03/10/2023 09:42	4/6/23 15:56	Pace	Radium-228	28.184	30.151	131.5	<MDC	161.651	
38	380006A1	30567248001	03/03/2023 09:56	3/30/23 18:08	Pace	Radium-226	36.259	66.802	65.84	<MDC	132.642	266.075
38	380006A1	30567248001	03/03/2023 09:56	3/30/23 18:08	Pace	Radium-228	0	9.033	124.4	<MDC	133.433	
39	390006A1	30568101001	03/07/2023 09:25	3/31/23 8:15	Pace	Radium-226	42.31	70.529	78.19	<MDC	148.719	357.131
39	390006A1	30568101001	03/07/2023 09:25	3/31/23 8:15	Pace	Radium-228	0	52.612	155.8	<MDC	208.412	
40	400006A1	30567248002	03/03/2023 11:11	3/30/23 19:10	Pace	Radium-226	46.002	63.463	80.05	<MDC	143.513	323.881
40	400006A1	30567248002	03/03/2023 11:11	3/30/23 19:10	Pace	Radium-228	0	42.368	138	<MDC	180.368	
41	410006A1	30562536001	02/14/2023 12:40	3/9/23 9:33	Pace	Radium-226	83.547	33.118	54.58	83.547	116.665	312.141
41	410006A1	30562536001	02/14/2023 12:40	3/9/23 9:33	Pace	Radium-228	0	55.676	139.8	<MDC	195.476	
42	420006A1	30567247001	02/28/2023 11:39	3/30/23 16:16	Pace	Radium-226	7.023	70.562	70.21	<MDC	140.772	325.853
42	420006A1	30567247001	02/28/2023 11:39	3/30/23 16:16	Pace	Radium-228	0	46.981	138.1	<MDC	185.081	
43	430006A1	30562536002	02/14/2023 14:15	3/9/23 10:35	Pace	Radium-226	14.575	26.77	90.49	<MDC	117.26	280.705
43	430006A1	30562536002	02/14/2023 14:15	3/9/23 10:35	Pace	Radium-228	35.605	63.145	100.3	<MDC	163.445	
44	440006A1	30562542002	2/14/2023 11:25	3/9/23 12:38	Pace	Radium-226	21.472	26.424	108.6	<MDC	135.024	406.677
44	440006A1	30562542002	2/14/2023 11:25	3/9/23 12:38	Pace	Radium-228	0	55.753	215.9	<MDC	271.653	
45	450006A1	30562542001	2/14/2023 10:55	3/9/23 11:37	Pace	Radium-226	0	24.316	82.02	<MDC	106.336	315.697
45	450006A1	30562542001	2/14/2023 10:55	3/9/23 11:37	Pace	Radium-228	5.527	87.261	122.1	<MDC	209.361	
45	450006B1	611250001	2/14/2023 10:35	02/20/2023 18:29	Gel	Radium-226	-28.3	51.5	80.2	<MDC	131.7	155.1
45	450006B1	611250001	2/14/2023 10:35	02/20/2023 18:29	Gel	Radium-228	-1.44	10.8	12.6	<MDC	23.4	
46	460006A1	30569330002	03/09/2023 11:20	4/6/23 12:41	Pace	Radium-226	69.753	41.494	64.28	69.753	111.247	268.717
46	460006A1	30569330002	03/09/2023 11:20	4/6/23 12:41	Pace	Radium-228	0	18.07	139.4	<MDC	157.47	
46	460006A2	30569330003	03/09/2023 11:20	4/6/23 12:41	Pace	Radium-226	10.738	69.86	85.51	<MDC	155.37	332.548
46	460006A2	30569330003	03/09/2023 11:20	4/6/23 12:41	Pace	Radium-228	65.859	45.678	131.5	<MDC	177.178	
47	470006A1	30567249001	02/28/2023 10:00	3/30/23 20:13	Pace	Radium-226	21.641	68.69	68.06	<MDC	136.75	319.761
47	470006A1	30567249001	02/28/2023 10:00	3/30/23 20:13	Pace	Radium-228	90.922	44.911	138.1	<MDC	183.011	

**Untreated Landfill Leachate Investigation Summary - Quarter 6 Results**

Site	Sample ID	Lab ID	Collected Date	Analyzed Date	Lab	Isotope	Results (Raw Data)	Uncertainty (±)	MDC	Calculated Results		
										Reportable Results	Upper Bound Radium	Combined Radium Ra-226 & Ra-228 (pCi/L)
47	470006A2	30567249002	02/28/2023 10:00	3/30/23 21:26	Pace	Radium-226	0	11.124	81.87	<MDC	92.994	281.787
47	470006A2	30567249002	02/28/2023 10:00	3/30/23 21:26	Pace	Radium-228	50.78	71.693	117.1	<MDC	188.793	
48	480006A1	30569494004	03/10/2023 11:53	4/6/23 17:06	Pace	Radium-226	51.029	34.626	89.68	<MDC	124.306	329.603
48	480006A1	30569494004	03/10/2023 11:53	4/6/23 17:06	Pace	Radium-228	41.849	73.797	131.5	<MDC	205.297	
49	490006A1	30569494001	03/10/2023 08:17	4/6/23 15:56	Pace	Radium-226	0	34.416	84.22	<MDC	118.636	328.278
49	490006A1	30569494001	03/10/2023 08:17	4/6/23 15:56	Pace	Radium-228	118.63	91.012	82.6	118.63	209.642	
49	490006B2	614186001	3/10/2023 8:14	3/16/23 5:29	Gel	Radium-226	0.0262	144	150	<MDC	294	371.9
49	490006B2	614186001	3/10/2023 8:14	3/16/23 5:29	Gel	Radium-228	12	27.9	50	<MDC	77.9	

**Untreated Landfill Leachate Investigation Summary - Quarter 7 Results**

Site	Sample ID	Lab ID	Collected Date	Analyzed Date	Lab	Isotope	Results (Raw Data)	Uncertainty (±)	MDC	Calculated Results		
										Reportable Results	Upper Bound Radium	Combined Radium Ra-226 & Ra-228 (pCi/L)
1	010007A1	30582799001	04/27/2023 10:46	5/24/23 13:32	Pace	Radium-226	7.413	65.377	81.53	<MDC	146.907	322.041
1	010007A1	30582799001	04/27/2023 10:46	5/24/23 13:32	Pace	Radium-228	0	24.934	150.2	<MDC	175.134	
2	020007A1	30582918001	04/28/2023 09:34	5/24/23 15:34	Pace	Radium-226	0	33.899	80.84	<MDC	114.739	312.54
2	020007A1	30582918001	04/28/2023 09:34	5/24/23 15:34	Pace	Radium-228	50.937	78.301	119.5	<MDC	197.801	
2	020007B1	620354001	4/28/2023 9:31	5/18/23 0:09	Gel	Radium-226	82.8	123	121	<MDC	244	314.4
2	020007B1	620354001	4/28/2023 9:31	5/18/23 0:09	Gel	Radium-228	9.23	33.2	37.2	<MDC	70.4	
3	030007A1	30582800001	04/26/2023 10:22	5/24/23 14:32	Pace	Radium-226	53.084	29.139	60.82	<MDC	89.959	274.671
3	030007A1	30582800001	04/26/2023 10:22	5/24/23 14:32	Pace	Radium-228	0	51.112	133.6	<MDC	184.712	
4	040007A1	30582921001	04/28/2023 10:02	5/24/23 16:39	Pace	Radium-226	13.968	73.604	73.16	<MDC	146.764	308.058
4	040007A1	30582921001	04/28/2023 10:02	5/24/23 16:39	Pace	Radium-228	40.957	41.794	119.5	<MDC	161.294	
5	050007A1	30581355001	04/24/2023 11:20	5/17/23 9:55	Pace	Radium-226	0	41.411	92.34	<MDC	133.751	315.256
5	050007A1	30581355001	04/24/2023 11:20	5/17/23 9:55	Pace	Radium-228	89.929	91.576	88.39	89.929	181.505	
6	060007A1	30582152001	04/26/2023 11:15	5/24/23 12:25	Pace	Radium-226	13.247	23.744	89.46	<MDC	113.204	381.714
6	060007A1	30582152001	04/26/2023 11:15	5/24/23 12:25	Pace	Radium-228	9.583	141.71	126.8	<MDC	268.51	
6	060007A2	30582152002	04/26/2023 11:15	5/24/23 12:26	Pace	Radium-226	17.907	33.697	76.88	<MDC	110.577	320.513
6	060007A2	30582152002	04/26/2023 11:15	5/24/23 12:26	Pace	Radium-228	84.779	94.936	115	<MDC	209.936	
7	070007A1	30595161001	06/09/2023 10:40	7/11/23 11:41	Pace	Radium-226	160.25	65.407	61.19	160.25	225.657	408.016
7	070007A1	30595161001	06/09/2023 10:40	7/11/23 11:41	Pace	Radium-228	23.954	82.359	100	<MDC	182.359	
8	080007A1	30597130002	06/13/2023 10:10	7/14/23 9:23	Pace	Radium-226	100.47	63.16	59.68	100.47	163.63	401.072
8	080007A1	30597130002	06/13/2023 10:10	7/14/23 9:23	Pace	Radium-228	0	43.242	194.2	<MDC	237.442	
8	080007A2	30597130003	06/13/2023 10:10	7/14/23 10:24	Pace	Radium-226	70.529	44.667	50.43	70.529	115.196	335.11
8	080007A2	30597130003	06/13/2023 10:10	7/14/23 10:24	Pace	Radium-228	43.113	80.214	139.7	<MDC	219.914	
9	090007A1	30590589001	05/23/2023 10:30	6/16/23 16:30	Pace	Radium-226	52.036	63.266	80.82	<MDC	144.086	306.71
9	090007A1	30590589001	05/23/2023 10:30	6/16/23 16:30	Pace	Radium-228	0	9.024	153.6	<MDC	162.624	
10	100007A1	30582798001	04/23/2023 10:37	5/24/23 13:27	Pace	Radium-226	8.518	78.029	77.1	<MDC	155.129	320.4
10	100007A1	30582798001	04/23/2023 10:37	5/24/23 13:27	Pace	Radium-228	0	38.371	126.9	<MDC	165.271	
10	100007A2	30582798002	04/23/2023 10:37	7/28/23 8:49	Pace	Radium-226	23.642	20.701	86.07	<MDC	106.771	365.641
10	100007A2	30582798002	04/23/2023 10:37	7/28/23 8:49	Pace	Radium-228	90.887	119.97	138.9	<MDC	258.87	
10	100007B1	620267001	4/27/2023 10:35	5/18/23 0:09	Gel	Radium-226	30.3	159	122	<MDC	281	341.8
10	100007B1	620267001	4/27/2023 10:35	5/18/23 0:09	Gel	Radium-228	2.08	25.5	35.3	<MDC	60.8	
11	110007A1	30589965001	05/18/2023 09:05	6/15/23 10:31	Pace	Radium-226	1.124	62.965	83.99	<MDC	146.955	351.691
11	110007A1	30589965001	05/18/2023 09:05	6/15/23 10:31	Pace	Radium-228	0	39.436	165.3	<MDC	204.736	
11	110007A2	30589965002	05/18/2023 09:05	6/15/23 11:31	Pace	Radium-226	31.596	35.533	73.14	<MDC	108.673	305.907
11	110007A2	30589965002	05/18/2023 09:05	6/15/23 11:31	Pace	Radium-228	40.058	49.234	148	<MDC	197.234	
12	120007A1	30591872001	05/30/2023 09:30	6/23/23 13:53	Pace	Radium-226	26.236	69.131	68.77	<MDC	137.901	

**Untreated Landfill Leachate Investigation Summary - Quarter 7 Results**

Site	Sample ID	Lab ID	Collected Date	Analyzed Date	Lab	Isotope	Results (Raw Data)	Uncertainty (±)	MDC	Calculated Results		
										Reportable Results	Upper Bound Radium	Combined Radium Ra-226 & Ra-228 (pCi/L)
12	120007A1	30591872001	05/30/2023 09:30	6/23/23 13:53	Pace	Radium-228	101.2	73.013	58.58	101.2	174.213	312.114
12	120007A2	30591872002	05/30/2023 09:30	6/23/23 13:54	Pace	Radium-226	0	25.113	90.73	<MDC	115.843	368.563
12	120007A2	30591872002	05/30/2023 09:30	6/23/23 13:54	Pace	Radium-228	16.959	111.82	140.9	<MDC	252.72	
13	130001A1	30588457001	05/15/2023 08:35	6/14/23 11:01	Pace	Radium-226	162.72	57.481	54.24	162.72	220.201	382.925
13	130001A1	30588457001	05/15/2023 08:35	6/14/23 11:01	Pace	Radium-228	0	27.124	135.6	<MDC	162.724	
13	130001A2	30588457002	05/15/2023 08:35	6/14/23 11:32	Pace	Radium-226	0	34.913	92.27	<MDC	127.183	333.892
13	130001A2	30588457002	05/15/2023 08:35	6/14/23 11:32	Pace	Radium-228	0	55.809	150.9	<MDC	206.709	
14	140007A1	30592212001	05/31/2023 10:26	6/23/23 14:57	Pace	Radium-226	41.349	55.847	56.87	<MDC	112.717	277.458
14	140007A1	30592212001	05/31/2023 10:26	6/23/23 14:57	Pace	Radium-228	0	18.041	146.7	<MDC	164.741	
15	150007A1	30596638001	06/13/2023 10:14	7/14/23 7:21	Pace	Radium-226	0	38.447	89.52	<MDC	127.967	344.072
15	150007A1	30596638001	06/13/2023 10:14	7/14/23 7:21	Pace	Radium-228	0	46.705	169.4	<MDC	216.105	
15	150007B1	626113001	6/13/2023 10:16	6/26/23 12:54	Gel	Radium-226	-41.4	48.4	87.2	<MDC	135.6	160.69
15	150007B1	626113001	6/13/2023 10:16	6/26/23 12:54	Gel	Radium-228	-2.8	8.79	16.3	<MDC	25.09	
16	160007A1	30593844001	06/06/2023 09:45	7/10/23 11:16	Pace	Radium-226	0	42.116	103.5	<MDC	145.616	400.046
16	160007A1	30593844001	06/06/2023 09:45	7/10/23 11:16	Pace	Radium-228	14.203	111.53	142.9	<MDC	254.43	
16	160007A2	30593844002	06/06/2023 09:45	7/10/23 12:19	Pace	Radium-226	0	39.208	96.28	<MDC	135.488	302.533
16	160007A2	30593844002	06/06/2023 09:45	7/10/23 12:19	Pace	Radium-228	24.616	62.445	104.6	<MDC	167.045	
17	170007A1	30587776001	05/11/2023 00:00	6/8/23 3:40 PM	Pace	Radium-226	151.05	47.031	65.47	151.05	198.081	461.881
17	170007A1	30587776001	05/11/2023 00:00	6/8/23 3:40 PM	Pace	Radium-228	64.57	142.9	120.9	<MDC	263.8	
17	170007A2	30587776002	05/11/2023 00:00	6/8/23 15:52	Pace	Radium-226	0	15.379	86.85	<MDC	102.229	299.734
17	170007A2	30587776002	05/11/2023 00:00	6/8/23 15:52	Pace	Radium-228	0	58.505	139	<MDC	197.505	
17	170007B1	622095001	5/11/2023 12:30	5/25/23 16:40	Gel	Radium-226	29	93.3	74.8	<MDC	168.1	199.6
17	170007B1	622095001	5/11/2023 12:30	5/25/23 16:40	Gel	Radium-228	9.55	10.7	20.8	<MDC	31.5	
18	180007A1	30585227002	05/05/2023 11:09	5/31/23 9:57	Pace	Radium-226	37.297	66.121	86.68	<MDC	152.801	374.133
18	180007A1	30585227002	05/05/2023 11:09	5/31/23 9:57	Pace	Radium-228	0	55.732	165.6	<MDC	221.332	
19	190007A1	30590588001	05/22/2023 10:23	6/16/23 15:28	Pace	Radium-226	50.308	35.081	86.1	<MDC	121.181	292.934
19	190007A1	30590588001	05/22/2023 10:23	6/16/23 15:28	Pace	Radium-228	0	18.053	153.7	<MDC	171.753	
20	200007A1	30589851002	05/18/2023 13:28	6/15/23 10:26	Pace	Radium-226	0	74.428	77.08	<MDC	151.508	288.756
20	200007A1	30589851002	05/18/2023 13:28	6/15/23 10:26	Pace	Radium-228	0	15.648	121.6	<MDC	137.248	
20	200007B1	623052001	5/18/2023 13:27	5/28/23 15:17	Gel	Radium-226	59.9	93.8	81.5	<MDC	175.3	214.5
20	200007B1	623052001	5/18/2023 13:27	5/28/23 15:17	Gel	Radium-228	4.47	13.7	25.5	<MDC	39.2	
21	210007A1	30591249001	05/25/2023 12:40	6/23/23 12:49	Pace	Radium-226	35.268	31.413	74.96	<MDC	106.373	333.223
21	210007A1	30591249001	05/25/2023 12:40	6/23/23 12:49	Pace	Radium-228	50.231	122.55	104.3	<MDC	226.85	
22	220007A1	30595163001	06/08/2023 10:00	7/11/23 12:42	Pace	Radium-226	107.83	66.364	65.73	107.83	174.194	382.691
22	220007A1	30595163001	06/08/2023 10:00	7/11/23 12:42	Pace	Radium-228	0	52.997	155.5	<MDC	208.497	

**Untreated Landfill Leachate Investigation Summary - Quarter 7 Results**

Site	Sample ID	Lab ID	Collected Date	Analyzed Date	Lab	Isotope	Results (Raw Data)	Uncertainty (±)	MDC	Calculated Results		
										Reportable Results	Upper Bound Radium	Combined Radium Ra-226 & Ra-228 (pCi/L)
22	220007A2	30595163002	6/8/2023 10:15	7/11/23 13:44	Pace	Radium-226	61.478	41.056	71.2	<MDC	112.256	341.556
22	220007A2	30595163002	6/8/2023 10:15	7/11/23 13:44	Pace	Radium-228	37.496	107.4	121.9	<MDC	229.3	
23	230007A1	30590570001	05/22/2023 09:43	6/16/23 13:25	Pace	Radium-226	73.381	68.866	62.14	73.381	142.247	307.036
23	230007A1	30590570001	05/22/2023 09:43	6/16/23 13:25	Pace	Radium-228	0	43.289	121.5	<MDC	164.789	
24	240007A1	30593844003	06/06/2023 10:40	7/10/23 13:20	Pace	Radium-226	43.432	40.262	88.41	<MDC	128.672	373.356
24	240007A1	30593844003	06/06/2023 10:40	7/10/23 13:20	Pace	Radium-228	129.14	72.584	172.1	<MDC	244.684	
25	250007A1	30587384001	05/10/2023 11:08	6/6/23 20:09	Pace	Radium-226	13.955	59.498	73.03	<MDC	132.528	420.158
25	250007A1	30587384001	05/10/2023 11:08	6/6/23 20:09	Pace	Radium-228	59.347	133.03	154.6	<MDC	287.63	
26	260007A1	30591249002	05/25/2023 13:45	6/23/23 12:50	Pace	Radium-226	33.027	38.19	98.4	<MDC	136.59	348.491
26	260007A1	30591249002	05/25/2023 13:45	6/23/23 12:50	Pace	Radium-228	3.472	88.401	123.5	<MDC	211.901	
27	270007A1	30589851001	05/18/2023 09:37	6/15/23 9:24	Pace	Radium-226	1.577	57.734	79.5	<MDC	137.234	340.675
27	270007A1	30589851001	05/18/2023 09:37	6/15/23 9:24	Pace	Radium-228	0	24.941	178.5	<MDC	203.441	
27	270007B1	623052002	5/18/2023 9:34	5/28/23 15:18	Gel	Radium-226	2.69	110	85.9	<MDC	195.9	230.2
27	270007B1	623052002	5/18/2023 9:34	5/28/23 15:18	Gel	Radium-228	2.64	12.2	22.1	<MDC	34.3	
28	280007A1	30590570002	05/22/2023 11:30	6/16/23 14:26	Pace	Radium-226	27.723	46.626	68.96	<MDC	115.586	311.149
28	280007A1	30590570002	05/22/2023 11:30	6/16/23 14:26	Pace	Radium-228	0	47.763	147.8	<MDC	195.563	
29	290007A1	30585227001	05/05/2023 10:31	5/31/23 9:56	Pace	Radium-226	14.425	22.907	82.84	<MDC	105.747	309.016
29	290007A1	30585227001	05/05/2023 10:31	5/31/23 9:56	Pace	Radium-228	0	34.969	168.3	<MDC	203.269	
29	290007B1	621147001	5/5/2023 10:25	5/25/23 16:21	Gel	Radium-226	1.55	63.1	113	<MDC	176.1	202.95
29	290007B1	621147001	5/5/2023 10:25	5/26/23 16:21	Gel	Radium-228	1.98	8.65	18.2	<MDC	26.85	
30	300007A1	30597130001	06/13/2023 09:10	7/14/23 8:22	Pace	Radium-226	44.767	31.052	89.52	<MDC	120.572	336.678
30	300007A1	30597130001	06/13/2023 09:10	7/14/23 8:22	Pace	Radium-228	0	46.706	169.4	<MDC	216.106	
31	310007A1	30582922001	04/28/2023 10:20	5/24/23 20:07	Pace	Radium-226	0	40.329	78.99	<MDC	119.319	289.04
31	310007A1	30582922001	04/28/2023 10:20	5/24/23 20:07	Pace	Radium-228	0	36.121	133.6	<MDC	169.721	
32	320007A1	30582922002	04/28/2023 13:01	5/24/23 21:55	Pace	Radium-226	79.949	62.709	82.64	<MDC	145.349	381.229
32	320007A1	30582922002	04/28/2023 13:01	5/24/23 21:55	Pace	Radium-228	51.081	124.18	111.7	<MDC	235.88	
33	330007A1	30597518001	06/15/2023 11:20	7/27/23 18:45	Pace	Radium-226	0	33.518	72.07	<MDC	105.588	337.816
33	330007A1	30597518001	06/15/2023 11:20	7/27/23 18:45	Pace	Radium-228	32.879	39.928	192.3	<MDC	232.228	
33	330007A2	30597518002	06/15/2023 11:25	7/27/23 19:50	Pace	Radium-226	24.232	59.861	72.07	<MDC	131.931	365.175
33	330007A2	30597518002	06/15/2023 11:25	7/27/23 19:50	Pace	Radium-228	64.39	53.044	180.2	<MDC	233.244	
34	340007A1	30596577001	06/13/2023 09:20	7/27/23 14:22	Pace	Radium-226	52.769	53.757	86.06	<MDC	139.817	419.297
34	340007A1	30596577001	06/13/2023 09:20	7/27/23 14:22	Pace	Radium-228	2.633	126.78	152.7	<MDC	279.48	
35	350007A1	30591108003	05/24/2023 11:04	6/23/23 10:54	Pace	Radium-226	3.195	75.442	74.96	<MDC	150.402	330.719
35	350007A1	30591108003	05/24/2023 11:04	6/23/23 10:54	Pace	Radium-228	0	52.717	127.6	<MDC	180.317	
36	360007A1	30589212001	05/16/2023 10:47	6/15/23 9:23	Pace	Radium-226	0	30.898	77.08	<MDC	107.978	

**Untreated Landfill Leachate Investigation Summary - Quarter 7 Results**

Site	Sample ID	Lab ID	Collected Date	Analyzed Date	Lab	Isotope	Results (Raw Data)	Uncertainty (±)	MDC	Calculated Results		
										Reportable Results	Upper Bound Radium	Combined Radium Ra-226 & Ra-228 (pCi/L)
36	360007A1	30589212001	05/16/2023 10:47	6/15/23 9:23	Pace	Radium-228	0	56.459	114.1	<MDC	170.559	278.537
36	360007A2	30589212002	05/16/2023 10:47	7/28/23 9:50	Pace	Radium-226	22.195	37.874	66.68	<MDC	104.554	296.053
36	360007A2	30589212002	05/16/2023 10:47	7/28/23 9:50	Pace	Radium-228	0	53.699	137.8	<MDC	191.499	
37	370007A1	30591108002	05/24/2023 09:55	6/23/23 10:19	Pace	Radium-226	34.988	38.319	54.99	<MDC	93.309	340.339
37	370007A1	30591108002	05/24/2023 09:55	6/23/23 10:19	Pace	Radium-228	0	63.63	183.4	<MDC	247.03	
38	380007A1	30587379001	05/09/2023 10:09	6/8/23 12:14	Pace	Radium-226	0	32.623	90.95	<MDC	123.573	289.243
38	380007A1	30587379001	05/09/2023 10:09	6/8/23 12:14	Pace	Radium-228	74.653	66.63	99.04	<MDC	165.67	
38	380007A2	30587379002	05/09/2023 10:10	6/8/23 13:20	Pace	Radium-226	16.232	27.066	94.86	<MDC	121.926	294.774
38	380007A2	30587379002	05/09/2023 10:10	6/8/23 13:20	Pace	Radium-228	49.385	51.848	121	<MDC	172.848	
39	390007A1	30597348001	06/15/2023 09:40	7/27/23 16:26	Pace	Radium-226	0	29.781	81.69	<MDC	111.471	299.313
39	390007A1	30597348001	06/15/2023 09:40	7/27/23 16:26	Pace	Radium-228	57.344	70.142	117.7	<MDC	187.842	
39	390007A2	30597348002	06/15/2023 09:45	7/27/23 17:27	Pace	Radium-226	9.733	68.504	81.69	<MDC	150.194	375.963
39	390007A2	30597348002	06/15/2023 09:45	7/27/23 17:27	Pace	Radium-228	0	58.769	167	<MDC	225.769	
40	400007A1	30586816001	05/10/2023 11:38	6/6/23 16:52	Pace	Radium-226	43.859	62.33	73.03	<MDC	135.36	383.82
40	400007A1	30586816001	05/10/2023 11:38	6/6/23 16:52	Pace	Radium-228	8.436	109.56	138.9	<MDC	248.46	
41	410007A1	30590592002	5/23/2023 11:28	6/17/23 11:56	Pace	Radium-226	0	31.465	77.08	<MDC	108.545	284.949
41	410007A1	30590592002	5/23/2023 11:28	6/17/23 11:56	Pace	Radium-228	0	54.904	121.5	<MDC	176.404	
42	420007A1	30587469001	05/09/2023 12:28	6/6/23 20:07	Pace	Radium-226	0	10.299	77.54	<MDC	87.839	364.749
42	420007A1	30587469001	05/09/2023 12:28	6/6/23 20:07	Pace	Radium-228	2.268	148.91	128	<MDC	276.91	
42	420007A2	30587469002	05/09/2023 12:32	6/7/23 8:59	Pace	Radium-226	41.594	56.761	67.73	<MDC	124.491	359.368
42	420007A2	30587469002	05/09/2023 12:32	6/7/23 8:59	Pace	Radium-228	57.479	53.177	181.7	<MDC	234.877	
42	420007B1	622093001	5/9/2023 12:34	5/25/23 16:40	Gel	Radium-226	-2.32	59.4	106	<MDC	165.4	194.5
42	420007B1	622093001	5/9/2023 12:34	5/25/23 16:40	Gel	Radium-228	6.17	10.5	18.6	<MDC	29.1	
43	430007A1	30590592001	05/23/2023 09:55	6/17/23 10:54	Pace	Radium-226	0	20.598	68.96	<MDC	89.558	240.592
43	430007A1	30590592001	05/23/2023 09:55	6/17/23 10:54	Pace	Radium-228	0	15.634	135.4	<MDC	151.034	
44	440007A1	30590592004	05/23/2023 13:00	6/17/23 14:00	Pace	Radium-226	20.013	73.864	73.14	<MDC	147.004	312.82
44	440007A1	30590592004	05/23/2023 13:00	6/17/23 14:00	Pace	Radium-228	0	37.216	128.6	<MDC	165.816	
44	440007B1	623635001	5/23/2023 13:00	5/28/23 15:19	Gel	Radium-226	41.8	89.7	81.5	<MDC	171.2	206.8
44	440007B1	623635001	5/23/2023 13:00	5/28/23 15:19	Gel	Radium-228	18.8	13	22.6	<MDC	35.6	
45	450007A1	30600040001	06/27/2023 11:30	7/28/23 10:51	Pace	Radium-226	16.313	20.387	90.2	<MDC	110.587	267.361
45	450007A1	30600040001	06/27/2023 11:30	7/28/23 10:51	Pace	Radium-228	0	39.474	117.3	<MDC	156.774	
45	450007A2	30600040002	06/27/2023 11:30	7/28/23 11:52	Pace	Radium-226	15.73	27.414	81.69	<MDC	109.104	266.609
45	450007A2	30600040002	06/27/2023 11:30	7/28/23 11:52	Pace	Radium-228	68.454	40.205	117.3	<MDC	157.505	
46	460007A1	30596577002	06/13/2023 11:00	7/27/23 15:22	Pace	Radium-226	31.228	34.837	77.05	<MDC	111.887	335.509
46	460007A1	30596577002	06/13/2023 11:00	7/27/23 15:22	Pace	Radium-228	0	70.922	152.7	<MDC	223.622	

**Untreated Landfill Leachate Investigation Summary - Quarter 7 Results**

Site	Sample ID	Lab ID	Collected Date	Analyzed Date	Lab	Isotope	Results (Raw Data)	Uncertainty (±)	MDC	Calculated Results		
										Reportable Results	Upper Bound Radium	Combined Radium Ra-226 & Ra-228 (pCi/L)
47	470007A1	30590592003	05/23/2023 12:10	6/17/23 12:56	Pace	Radium-226	35.792	33.106	68.96	<MDC	102.066	311.286
47	470007A1	30590592003	05/23/2023 12:10	6/17/23 12:56	Pace	Radium-228	33.188	103.52	105.7	<MDC	209.22	
48	480007A1	30591108004	05/24/2023 12:04	6/23/23 11:21	Pace	Radium-226	0	27.724	86.61	<MDC	114.334	366.854
48	480007A1	30591108004	05/24/2023 12:04	6/23/23 11:21	Pace	Radium-228	10.752	111.32	141.2	<MDC	252.52	
49	490007A1	30591108001	05/24/2023 08:35	6/23/23 9:52	Pace	Radium-226	64.521	95.924	70.9	<MDC	166.824	410.924
49	490007A1	30591108001	05/24/2023 08:35	6/23/23 9:52	Pace	Radium-228	23.078	131.4	112.7	<MDC	244.1	

**Untreated Landfill Leachate Investigation Summary - Quarter 8 Results**

Site	Sample ID	Lab ID	Collected Date	Analyzed Date	Lab	Isotope	Results (Raw Data)	Uncertainty (±)	MDC	Calculated Results		
										Reportable Results	Upper Bound Radium	Combined Radium Ra-226 & Ra-228 (pCi/L)
1	010008A1	30617903001	08/29/2023 09:51	10/27/23 8:37	Pace	Radium-226	-7.409	41.59	73.06	<MDC	114.65	286.2
1	010008A1	30617903001	08/29/2023 09:51	10/27/23 8:37	Pace	Radium-228	71.93	80.3	91.25	<MDC	171.55	
1	010008A1	30617903002	08/29/2023 09:52	10/27/23 11:40	Pace	Radium-226	-16.33	43.12	74.13	<MDC	117.25	302.86
1	010008A1	30617903002	08/29/2023 09:52	10/27/23 11:40	Pace	Radium-228	23.49	66.21	119.4	<MDC	185.61	
1	010008A2	30617903003	08/29/2023 09:53	10/10/23 11:18	Pace	Radium-226	-22.59	38.51	65.39	<MDC	103.9	314.46
1	010008A2	30617903003	08/29/2023 09:53	10/10/23 11:18	Pace	Radium-228	58.6	73.56	137	<MDC	210.56	
1	010008A2	30617903004	08/29/2023 09:55	10/10/23 15:04	Pace	Radium-226	-37.02	40.5	66.11	<MDC	106.61	302.29
1	010008A2	30617903004	08/29/2023 09:55	10/10/23 15:04	Pace	Radium-228	-13	72.88	122.8	<MDC	195.68	
2	020008A1	30617460001	08/28/2023 09:40	10/9/23 6:38	Pace	Radium-226	82.27	38.28	52.09	82.27	120.55	328.49
2	020008A1	30617460001	08/28/2023 09:40	10/9/23 6:38	Pace	Radium-228	70.17	81.14	126.8	<MDC	207.94	
3	030008A1	30617461001	08/28/2023 12:11	10/9/23 13:34	Pace	Radium-226	-20.38	42.77	72.88	<MDC	115.65	293.21
3	030008A1	30617461001	08/28/2023 12:11	10/9/23 13:34	Pace	Radium-228	17.19	63.66	113.9	<MDC	177.56	
3	030008A1	30617461002	08/28/2023 12:13	10/10/23 18:06	Pace	Radium-226	9.971	42.4	77.04	<MDC	119.44	337.72
3	030008A1	30617461002	08/28/2023 12:13	10/10/23 18:06	Pace	Radium-228	46.44	77.18	141.1	<MDC	218.28	
4	040008A1	30617955001	8/29/2023 10:45	10/10/23 21:08	Pace	Radium-226	-59.3	36.22	52.56	<MDC	88.78	255.52
4	040008A1	30617955001	8/29/2023 10:45	10/10/23 21:08	Pace	Radium-228	-20.13	64.84	101.9	<MDC	166.74	
4	040008A2	30617955002	8/29/2023 10:45	10/11/23 7:35	Pace	Radium-226	-5.926	39.7	70.28	<MDC	109.98	318.26
4	040008A2	30617955002	8/29/2023 10:45	10/11/23 7:35	Pace	Radium-228	-7.16	76.98	131.3	<MDC	208.28	
5	050008A1	30617032001	08/24/2023 09:33	10/6/23 14:14	Pace	Radium-226	-33.97	40.37	66.45	<MDC	106.82	281
5	050008A1	30617032001	08/24/2023 09:33	10/6/23 14:14	Pace	Radium-228	58.3	75.48	98.7	<MDC	174.18	
5	050008B1	635032001	8/24/2023 9:30	9/16/23 15:45	Gel	Radium-226	89	117	99.2	<MDC	216.2	255.5
5	050008B1	635032001	8/24/2023 9:30	9/16/23 15:45	Gel	Radium-228	4.49	17	22.3	<MDC	39.3	
5	050008A1	30617032002	08/24/2023 09:35	10/6/23 17:30	Pace	Radium-226	-7.26	42.77	74.99	<MDC	117.76	317.61
5	050008A1	30617032002	08/24/2023 09:35	10/6/23 17:30	Pace	Radium-228	11.3	72.45	127.4	<MDC	199.85	
6	060008A1	30624426001	09/19/2023 12:17	11/1/23 21:49	Pace	Radium-226	17.235	53.955	69.09	<MDC	123.045	387.095
6	060008A1	30624426001	09/19/2023 12:17	11/1/23 21:49	Pace	Radium-228	7.687	122.75	141.3	<MDC	264.05	
6	060008A2	30624426002	09/19/2023 12:18	11/1/23 22:52	Pace	Radium-226	4.857	56.824	67.73	<MDC	124.554	294.437
6	060008A2	30624426002	09/19/2023 12:18	11/1/23 22:52	Pace	Radium-228	58.694	80.803	89.08	<MDC	169.883	
7	070008B1	638522001	9/20/2023 12:45	10/6/23 12:43	Gel	Radium-226	-44	41.5	65.1	<MDC	106.6	126.93
7	070008B1	638522001	9/20/2023 12:45	10/6/23 12:43	Gel	Radium-228	0.233	7.53	12.8	<MDC	20.33	
7	070008A1	30624669002	09/20/2023 12:45	11/2/23 17:12	Pace	Radium-226	46.119	31.449	44.96	46.119	77.568	240.882
7	070008A1	30624669002	09/20/2023 12:45	11/2/23 17:12	Pace	Radium-228	0.202	74.234	89.08	<MDC	163.314	
8	080008A1	30622736001	09/15/2023 13:30	11/1/23 11:19	Pace	Radium-226	4.436	71.31	87.13	<MDC	158.44	306.985
8	080008A1	30622736001	09/15/2023 13:30	11/1/23 11:19	Pace	Radium-228	0	18.445	130.1	<MDC	148.545	
8	080008A2	30622736002	09/15/2023 13:31	11/1/23 12:19	Pace	Radium-226	13.901	18.753	70.05	<MDC	88.803	263.944
8	080008A2	30622736002	09/15/2023 13:31	11/1/23 12:19	Pace	Radium-228	36.454	40.341	134.8	<MDC	175.141	

**Untreated Landfill Leachate Investigation Summary - Quarter 8 Results**

Site	Sample ID	Lab ID	Collected Date	Analyzed Date	Lab	Isotope	Results (Raw Data)	Uncertainty (±)	MDC	Calculated Results		
										Reportable Results	Upper Bound Radium	Combined Radium Ra-226 & Ra-228 (pCi/L)
9	090008A1	30618180001	8/23/2023 10:45	10/10/23 10:18	Pace	Radium-226	15.055	27.175	66.05	<MDC	93.225	278.166
9	090008A1	30618180001	8/23/2023 10:45	10/10/23 10:18	Pace	Radium-228	18.902	89.091	95.85	<MDC	184.941	
9	090008A2	30618180002	8/23/2023 10:45	10/11/23 12:11	Pace	Radium-226	16.327	17.925	54.82	<MDC	72.745	246.414
9	090008A2	30618180002	8/23/2023 10:45	10/11/23 12:11	Pace	Radium-228	9.415	84.379	89.29	<MDC	173.669	
10	100008A1	30607817001	07/24/2023 11:35	8/24/23 14:50	Pace	Radium-226	2.56	55.1	88.5	<MDC	143.6	394.4
10	100008A1	30607817001	07/24/2023 11:35	8/24/23 14:50	Pace	Radium-228	37.8	90.8	160	<MDC	250.8	
10	100008A2	30607817002	07/24/2023 11:35	8/24/23 17:02	Pace	Radium-226	39.8	48.1	75.9	<MDC	124	340.3
10	100008A2	30607817002	07/24/2023 11:35	8/24/23 17:02	Pace	Radium-228	32.5	83.3	133	<MDC	216.3	
11	110008A1	30616870001	08/23/2023 11:00	10/9/23 20:58	Pace	Radium-226	-42.35	43.56	70.52	<MDC	114.08	322.43
11	110008A1	30616870001	08/23/2023 11:00	10/9/23 20:58	Pace	Radium-228	-0.89	76.55	131.8	<MDC	208.35	
11	110008A2	30616870002	08/23/2023 11:00	10/10/23 8:17	Pace	Radium-226	-17.56	42.24	72.48	<MDC	114.72	322.61
11	110008A2	30616870002	08/23/2023 11:00	10/10/23 8:17	Pace	Radium-228	-7.552	76.89	131	<MDC	207.89	
12	120008B1	633933001	8/16/2023 9:30	8/29/23 19:33	Gel	Radium-226	-4.16	-55.3	86.2	<MDC	30.9	37
12	120008B1	633933001	8/16/2023 9:30	8/29/23 19:33	Gel	Radium-228	4.25	-11	17.1	<MDC	6.1	
12	120008A1	30615992001	08/16/2023 09:30	10/7/23 14:24	Pace	Radium-226	-9.552	42.57	74.3	<MDC	116.87	319.58
12	120008A1	30615992001	08/16/2023 09:30	10/7/23 14:24	Pace	Radium-228	21.09	72.81	129.9	<MDC	202.71	
13	130008A1	30615316001	08/16/2023 09:10	10/8/23 7:13 PM	Pace	Radium-226	-1.944	41.29	70.58	<MDC	111.87	305.33
13	130008A1	30615316001	08/16/2023 09:10	10/8/23 7:13 PM	Pace	Radium-228	-47.41	75.26	118.2	<MDC	193.46	
13	130008A2	30615316002	08/16/2023 09:10	10/7/23 6:40	Pace	Radium-226	-21.86	39.84	67.75	<MDC	107.59	297.71
13	130008A2	30615316002	08/16/2023 09:10	10/7/23 6:40	Pace	Radium-228	20.66	68.12	122	<MDC	190.12	
14	140008A1	30625675001	09/26/2023 10:56	11/2/23 13:34	Pace	Radium-226	55.73	51.037	115.4	<MDC	166.437	350.418
14	140008A1	30625675001	09/26/2023 10:56	11/2/23 13:34	Pace	Radium-228	43.092	71.581	112.4	<MDC	183.981	
15	150008A1	30622668001	09/14/2023 09:56	10/31/23 10:34	Pace	Radium-226	0	38.476	94.92	<MDC	133.396	310.953
15	150008A1	30622668001	09/14/2023 09:56	10/31/23 10:34	Pace	Radium-228	42.039	35.557	142	<MDC	177.557	
16	160008 A1	30625098001	09/25/2023 10:45	11/2/23 14:10	Pace	Radium-226	48.557	83.186	101.4	<MDC	184.586	389.631
16	160008 A1	30625098001	09/25/2023 10:45	11/2/23 14:10	Pace	Radium-228	80.359	94.445	110.6	<MDC	205.045	
17	170008A1	30616538001	08/21/2023 09:50	10/6/23 11:08	Pace	Radium-226	-12.86	40.28	70.04	<MDC	110.32	306.46
17	170008A1	30616538001	08/21/2023 09:50	10/6/23 11:08	Pace	Radium-228	-6.97	72.54	123.6	<MDC	196.14	
18	180008 A1	30620659001	09/07/2023 10:55	10/30/23 9:55	Pace	Radium-226	65.763	62.095	65.18	65.763	127.858	362.358
18	180008 A1	30620659001	09/07/2023 10:55	10/30/23 9:55	Pace	Radium-228	1.392	106.4	128.1	<MDC	234.5	
18	180008 A1	30620659002	09/07/2023 10:58	10/30/23 10:56	Pace	Radium-226	33.172	43.521	75.75	<MDC	119.271	358.431
18	180008 A1	30620659002	09/07/2023 10:58	10/30/23 10:56	Pace	Radium-228	52.079	111.86	127.3	<MDC	239.16	
19	190008B1	637574001	9/14/2023 0:00	10/6/23 12:41	Gel	Radium-226	-52.7	54.9	88.4	<MDC	143.3	183.4
19	190008B1	637574001	9/14/2023 0:00	10/6/23 12:41	Gel	Radium-228	13.6	14.6	25.5	<MDC	40.1	
19	190008A1	30622548001	09/14/2023 00:00	10/31/23 9:36	Pace	Radium-226	55.196	42.319	67.13	<MDC	109.449	307.728
19	190008A1	30622548001	09/14/2023 00:00	10/31/23 9:36	Pace	Radium-228	27.987	88.479	109.8	<MDC	198.279	

**Untreated Landfill Leachate Investigation Summary - Quarter 8 Results**

Site	Sample ID	Lab ID	Collected Date	Analyzed Date	Lab	Isotope	Results (Raw Data)	Uncertainty (±)	MDC	Calculated Results		
										Reportable Results	Upper Bound Radium	Combined Radium Ra-226 & Ra-228 (pCi/L)
20	200008A1	30621521001	09/11/2023 09:55	10/30/23 15:47	Pace	Radium-226	35.656	35.389	95.57	<MDC	130.959	279.503
20	200008A1	30621521001	09/11/2023 09:55	10/30/23 15:47	Pace	Radium-228	43.59	60.884	87.66	<MDC	148.544	
20	200008A1	30621521002	09/11/2023 09:58	10/30/23 16:37	Pace	Radium-226	0	38.018	67.73	<MDC	105.748	248.428
20	200008A1	30621521002	09/11/2023 09:58	10/30/23 16:37	Pace	Radium-228	0	23.68	119	<MDC	142.68	
21	210009B1	638427001	9/19/2023 12:50	10/6/23 12:42	Gel	Radium-226	-43.6	59.3	84.7	<MDC	144	151.86
21	210009B1	638427001	9/19/2023 12:50	10/6/23 12:42	Gel	Radium-228	2.94	-9.74	17.6	<MDC	7.86	
21	210009A1	30623610001	09/19/2023 12:50	11/1/23 14:18	Pace	Radium-226	0	15.379	76.57	<MDC	91.949	300.969
21	210009A1	30623610001	09/19/2023 12:50	11/1/23 14:18	Pace	Radium-228	22.482	99.12	109.9	<MDC	209.02	
22	220008A1	30624669001	09/20/2023 10:30	11/2/23 14:45	Pace	Radium-226	0	32.76	71.11	<MDC	103.87	309.278
22	220008A1	30624669001	09/20/2023 10:30	11/2/23 14:45	Pace	Radium-228	13.707	94.008	111.4	<MDC	205.408	
23	230008B1	637612001	9/14/2023 11:27	10/6/23 12:41	Gel	Radium-226	27.6	80.4	54.2	<MDC	134.6	171.4
23	230008B1	637612001	9/14/2023 11:27	10/6/23 12:41	Gel	Radium-228	0	16.4	20.4	<MDC	36.8	
23	230008A1	30622693001	09/14/2023 11:29	10/31/23 14:04	Pace	Radium-226	3.951	48.721	60.18	<MDC	108.901	239.077
23	230008A1	30622693001	09/14/2023 11:29	10/31/23 14:04	Pace	Radium-228	0	40.986	89.19	<MDC	130.176	
23	230008A1	30622693002	09/14/2023 11:30	10/31/23 15:52	Pace	Radium-226	12.223	23.437	65.32	<MDC	88.757	286.254
23	230008A1	30622693002	09/14/2023 11:30	10/31/23 15:52	Pace	Radium-228	0	55.497	142	<MDC	197.497	
24	240008A1	30623619001	09/19/2023 10:30	11/1/23 19:19	Pace	Radium-226	34.701	29.298	72.29	<MDC	101.588	327.607
24	240008A1	30623619001	09/19/2023 10:30	11/1/23 19:19	Pace	Radium-228	147.12	78.899	109.9	147.12	226.019	
25	250008A1	30624442001	09/20/2023 10:53	11/2/23 12:01	Pace	Radium-226	64.525	27.272	43.91	64.525	91.797	305.384
25	250008A1	30624442001	09/20/2023 10:53	11/2/23 12:01	Pace	Radium-228	75.327	94.887	118.7	<MDC	213.587	
26	260010A1	30623610002	09/19/2023 14:00	11/1/23 16:41	Pace	Radium-226	0	11.463	72.29	<MDC	83.753	271.613
26	260010A1	30623610002	09/19/2023 14:00	11/1/23 16:41	Pace	Radium-228	13.431	87.76	100.1	<MDC	187.86	
27	270008A1	30621521003	09/11/2023 13:26	10/30/23 18:34	Pace	Radium-226	0.024	51.264	62.81	<MDC	114.074	260.737
27	270008A1	30621521003	09/11/2023 13:26	10/30/23 18:34	Pace	Radium-228	25.094	36.563	110.1	<MDC	146.663	
27	270008A1	30621521004	09/11/2023 13:29	10/30/23 20:05	Pace	Radium-226	29.724	41.34	60.18	<MDC	101.52	327.74
27	270008A1	30621521004	09/11/2023 13:29	10/30/23 20:05	Pace	Radium-228	2.295	107.22	119	<MDC	226.22	
28	280008A1	30622693003	09/14/2023 09:15	10/31/23 17:25	Pace	Radium-226	38.716	23.443	48.65	<MDC	72.093	284.653
28	280008A1	30622693003	09/14/2023 09:15	10/31/23 17:25	Pace	Radium-228	60.164	102.56	110	<MDC	212.56	
28	280008A1	30622693004	09/14/2023 09:18	10/31/23 23:37	Pace	Radium-226	21.94	27.663	61.47	<MDC	89.133	276.474
28	280008A1	30622693004	09/14/2023 09:18	10/31/23 23:37	Pace	Radium-228	33.234	98.581	88.76	<MDC	187.341	
29	290008A1	30620659003	09/07/2023 12:01	10/30/23 11:57	Pace	Radium-226	34.058	37.585	67.73	<MDC	105.315	271.977
29	290008A1	30620659003	09/07/2023 12:01	10/30/23 11:57	Pace	Radium-228	25.35	77.302	89.36	<MDC	166.662	
29	290008A1	30620659004	09/07/2023 12:04	10/30/23 13:34	Pace	Radium-226	32.557	24.06	75.45	<MDC	99.51	215.606
29	290008A1	30620659004	09/07/2023 12:04	10/30/23 13:34	Pace	Radium-228	0	16.616	99.48	<MDC	116.096	
30	300008A1	30622731001	09/15/2023 10:25	11/1/23 9:13	Pace	Radium-226	25.457	25.235	106.3	<MDC	131.535	291.055
30	300008A1	30622731001	09/15/2023 10:25	11/1/23 9:13	Pace	Radium-228	16.519	28.92	130.6	<MDC	159.52	

**Untreated Landfill Leachate Investigation Summary - Quarter 8 Results**

Site	Sample ID	Lab ID	Collected Date	Analyzed Date	Lab	Isotope	Results (Raw Data)	Uncertainty (±)	MDC	Calculated Results		
										Reportable Results	Upper Bound Radium	Combined Radium Ra-226 & Ra-228 (pCi/L)
30	300008A2	30622731002	09/15/2023 10:27	11/1/23 10:01	Pace	Radium-226	16.62	52.804	64.87	<MDC	117.674	277.537
30	300008A2	30622731002	09/15/2023 10:27	11/1/23 10:01	Pace	Radium-228	0	33.763	126.1	<MDC	159.863	
31	310008A1	30626339001	09/27/2023 10:45	11/6/23 7:32	Pace	Radium-226	37.392	25.615	83.91	<MDC	109.525	267.238
31	310008A1	30626339001	09/27/2023 10:45	11/6/23 7:32	Pace	Radium-228	0	28.913	128.8	<MDC	157.713	
31	310008A1	30626339002	09/27/2023 10:45	11/6/23 9:04	Pace	Radium-226	22.063	47.926	62.09	<MDC	110.016	337.956
31	310008A1	30626339002	09/27/2023 10:45	11/6/23 9:04	Pace	Radium-228	1.266	107.14	120.8	<MDC	227.94	
32	320008B1	639228001	9/27/2023 13:05	10/6/23 12:44	Gel	Radium-226	32.8	54.2	53.7	<MDC	107.9	129.33
32	320008B1	639228001	9/27/2023 13:05	10/6/23 12:44	Gel	Radium-228	4.22	8.13	13.3	<MDC	21.43	
32	320008A1	30626332001	09/27/2023 13:05	11/3/23 16:49	Pace	Radium-226	48.955	38.546	65.32	<MDC	103.866	310.59
32	320008A1	30626332001	09/27/2023 13:05	11/3/23 16:49	Pace	Radium-228	1.591	97.124	109.6	<MDC	206.724	
32	320008A1	30626332002	09/27/2023 13:05	11/3/23 19:14	Pace	Radium-226	26.403	28.349	65.32	<MDC	93.669	252.118
32	320008A1	30626332002	09/27/2023 13:05	11/3/23 19:14	Pace	Radium-228	54.872	31.749	126.7	<MDC	158.449	
33	330008B1	637220001	9/12/2023 11:15	10/6/23 12:40	Gel	Radium-226	34.4	85.7	60.5	<MDC	146.2	168.8
33	330008B1	637220001	9/12/2023 11:15	10/6/23 12:40	Gel	Radium-228	0	12.3	10.3	<MDC	22.6	
33	330008A1	30621685002	09/12/2023 11:13	10/31/23 7:40	Pace	Radium-226	0	33.223	70.05	<MDC	103.273	248.745
33	330008A1	30621685002	09/12/2023 11:13	10/31/23 7:40	Pace	Radium-228	0	26.472	119	<MDC	145.472	
34	340008A1	30622692001	09/14/2023 09:35	10/31/23 11:28	Pace	Radium-226	46.796	33.018	92.23	<MDC	125.248	378.958
34	340008A1	30622692001	09/14/2023 09:35	10/31/23 11:28	Pace	Radium-228	10.867	115.81	137.9	<MDC	253.71	
35	350008A1	30618756001	08/31/2023 10:56	10/9/23 9:29	Pace	Radium-226	18.954	28.128	46.4	<MDC	74.528	172.314
35	350008A1	30618756001	08/31/2023 10:56	10/9/23 9:29	Pace	Radium-228	58.301	39.485	36.47	58.301	97.786	
36	360008A1	30621104001	09/11/2023 11:16	10/30/23 14:40	Pace	Radium-226	39.832	29.648	74.01	<MDC	103.658	350.478
36	360008A1	30621104001	09/11/2023 11:16	10/30/23 14:40	Pace	Radium-228	5.216	114.62	132.2	<MDC	246.82	
37	370008B1	635961001	8/31/2023 9:45	9/18/23 19:07	Gel	Radium-226	62.7	82.1	82.6	<MDC	164.7	200.6
37	370008B1	635961001	8/31/2023 9:45	9/18/23 19:07	Gel	Radium-228	6.98	11.7	24.2	<MDC	35.9	
37	370008A1	30618667002	08/31/2023 09:45	10/9/23 6:28	Pace	Radium-226	0	28.195	50.44	<MDC	78.635	198.889
37	370008A1	30618667002	08/31/2023 09:45	10/9/23 6:28	Pace	Radium-228	0	37.314	82.94	<MDC	120.254	
38	380008A1	30624427001	09/18/2023 09:57	11/2/23 0:33	Pace	Radium-226	38.479	47.927	60.18	<MDC	108.107	283.85
38	380008A1	30624427001	09/18/2023 09:57	11/2/23 0:33	Pace	Radium-228	0	48.743	127	<MDC	175.743	
39	390008A1	30621685001	09/12/2023 09:25	10/30/23 22:09	Pace	Radium-226	0	26.696	70.05	<MDC	96.746	231.442
39	390008A1	30621685001	09/12/2023 09:25	10/30/23 22:09	Pace	Radium-228	75.078	59.618	60.23	75.078	134.696	
40	400008A1	30624430001	09/18/2023 11:07	11/2/23 8:15	Pace	Radium-226	0	17.46	106.6	<MDC	124.06	357.7
40	400008A1	30624430001	09/18/2023 11:07	11/2/23 8:15	Pace	Radium-228	16.197	102.84	130.8	<MDC	233.64	
40	400008A2	30624430002	09/18/2023 11:08	11/2/23 9:01	Pace	Radium-226	36.456	48.841	58.87	<MDC	107.711	288.321
40	400008A2	30624430002	09/18/2023 11:08	11/2/23 9:01	Pace	Radium-228	0	41.31	139.3	<MDC	180.61	
41	410008A1	30619516002	09/05/2023 11:40	10/9/23 19:04	Pace	Radium-226	19.74	23.992	48.06	<MDC	72.052	208.879
41	410008A1	30619516002	09/05/2023 11:40	10/9/23 19:04	Pace	Radium-228	2.326	66.887	69.94	<MDC	136.827	

**Untreated Landfill Leachate Investigation Summary - Quarter 8 Results**

Site	Sample ID	Lab ID	Collected Date	Analyzed Date	Lab	Isotope	Results (Raw Data)	Uncertainty (±)	MDC	Calculated Results		
										Reportable Results	Upper Bound Radium	Combined Radium Ra-226 & Ra-228 (pCi/L)
42	420008A1	30624417001	09/21/2023 12:07	11/1/23 20:51	Pace	Radium-226	22.911	44.176	61.17	<MDC	105.346	282.156
42	420008A1	30624417001	09/21/2023 12:07	11/1/23 20:51	Pace	Radium-228	0	42.71	134.1	<MDC	176.81	
43	430008A1	30619516001	09/05/2023 10:15	10/9/23 15:43	Pace	Radium-226	0	28.078	49.66	<MDC	77.738	180.922
43	430008A1	30619516001	09/05/2023 10:15	10/9/23 15:43	Pace	Radium-228	46.207	33.244	69.94	<MDC	103.184	
44	440008A1	30619525001	09/05/2023 14:15	10/9/23 22:06	Pace	Radium-226	0	17.942	46.4	<MDC	64.342	190.144
44	440008A1	30619525001	09/05/2023 14:15	10/9/23 22:06	Pace	Radium-228	59.948	63.382	62.42	<MDC	125.802	
44	440008A2	30619525002	09/05/2023 14:15	10/10/23 7:05	Pace	Radium-226	45.74	34.68	39.95	45.74	80.42	223.273
44	440008A2	30619525002	09/05/2023 14:15	10/10/23 7:05	Pace	Radium-228	49.999	56.923	85.93	<MDC	142.853	
45	450008A1	30619537001	09/05/2023 13:30	10/10/23 9:21	Pace	Radium-226	0	11.509	66.65	<MDC	78.159	207.443
45	450008A1	30619537001	09/05/2023 13:30	10/10/23 9:21	Pace	Radium-228	55.538	58.684	70.6	<MDC	129.284	
45	450008A2	30619537002	09/05/2023 13:30	10/10/23 11:17	Pace	Radium-226	33.505	25.935	43.02	<MDC	68.955	192.559
45	450008A2	30619537002	09/05/2023 13:30	10/10/23 11:17	Pace	Radium-228	20.486	37.594	86.01	<MDC	123.604	
46	460008A1	30622692002	09/14/2023 11:15	10/31/23 12:25	Pace	Radium-226	39.897	35.188	44.51	<MDC	79.698	255.187
46	460008A1	30622692002	09/14/2023 11:15	10/31/23 12:25	Pace	Radium-228	26.024	48.389	127.1	<MDC	175.489	
47	470008A1	30626052001	09/27/2023 10:25	11/2/23 22:14	Pace	Radium-226	17.588	21.817	70.05	<MDC	91.867	317.797
47	470008A1	30626052001	09/27/2023 10:25	11/2/23 22:14	Pace	Radium-228	10.623	107.43	118.5	<MDC	225.93	
47	470008A2	30624433001	09/21/2023 10:22	11/2/23 10:24	Pace	Radium-226	25.237	39.931	74.46	<MDC	114.391	311.622
47	470008A2	30624433001	09/21/2023 10:22	11/2/23 10:24	Pace	Radium-228	28.697	48.631	148.6	<MDC	197.231	
47	470008A2	30626052002	09/27/2023 10:25	11/3/23 11:08	Pace	Radium-226	41.715	40.259	57.42	<MDC	97.679	273
47	470008A2	30626052002	09/27/2023 10:25	11/3/23 11:08	Pace	Radium-228	0	48.621	126.7	<MDC	175.321	
48	480008B1	635961002	8/31/2023 11:57	9/18/23 19:08	Gel	Radium-226	15.5	113	105	<MDC	221	266
48	480008B1	635961002	8/31/2023 11:57	9/18/23 19:08	Gel	Radium-228	8.76	16.6	28.4	<MDC	45	
48	480008A1	30618756002	08/31/2023 11:57	10/9/23 12:30	Pace	Radium-226	11.385	36.099	41.94	<MDC	78.039	184.389
48	480008A1	30618756002	08/31/2023 11:57	10/9/23 12:30	Pace	Radium-228	0	32.85	73.5	<MDC	106.35	
49	490008A1	30618667001	08/31/2023 08:18	10/11/23 11:17	Pace	Radium-226	3.001	41.36	74.35	<MDC	115.71	276.23
49	490008A1	30618667001	08/31/2023 08:18	10/11/23 11:17	Pace	Radium-228	-43.22	63.6	96.92	<MDC	160.52	