UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 7
11201 Renner Boulevard
Lenexa, Kansas 66219

VIA EMAIL and EXPRESS MAIL

December 21, 2012

Honorable Mayor Conrad W. Bowers
City Hall
12355 Natural Bridge Road
Bridgeton, Missouri 63044

Dear Mayor Bowers:

This letter provides the City of Bridgeton information about the upcoming public meeting that the U.S. Environmental Protection Agency (EPA) has set to discuss the West Lake Landfill Superfund Site (Site). In addition, this letter transmits results of recent groundwater sampling performed at the Site, as promised by EPA Project Manager Dan Gravatt during his briefing with the City Council on September 19, 2012. We also want to correct one misstatement regarding data results that we provided at that City Council meeting.

PUBLIC MEETING

A public meeting will be held at the Machinists Hall Auditorium, 12365 St Charles Rock Road, in Bridgeton, Missouri on Thursday, January 17, 2013 from 6:30 p.m. until 8:30 p.m. EPA's purpose in calling this meeting is to update the public on the studies and other work undertaken at the Site during the past year, share groundwater data (enclosed with this letter), provide EPA's analysis of this data, and finally, share with the public the direction EPA is planning to take with respect to the Site during the coming year.

SAMPLING DATA

Enclosed with this letter is a groundwater report prepared by the potentially responsible parties (PRPs) at the Site. This report is provided to the City in response to a request made to EPA Dan Gravatt on September 19, 2012, when Dan made a presentation to the City Council on the status of the Site. The report provides results of groundwater samples the PRPs collected at the Site between July 31, 2012 and August 16, 2012. Groundwater samples were obtained from 75 monitoring wells. The report provides the PRPs' interpretation of the data collected. At the upcoming January 17th meeting, EPA will provide its own analysis of both the groundwater data results provided by the PRPs and gamma scan sampling results which EPA has recently collected and analyzed.

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CLARIFICATION OF DATA RESULTS

During the presentation that Dan Gravatt made to the City Council on September 19, he was asked about the depth of radiologically impacted material (RIM) found at the landfill. Mr. Gravatt responded that in some places the RIM had been found at the landfill at approximately 50 feet deep. We have gone back and reviewed the data in the Supplemental Feasibility Study (SFS) which incorporates data collected through previous investigations, and the deepest confirmed instance of RIM is at 41 feet (7.9 picocuries per gram or pCi/g of Thorium 230 + 232) not 50. There are also confirmed instances at 27 feet (one sample), 25 feet (two samples) and 20 feet (one sample). If you are interested in a more complete data set, please see the attached table from the SFS. The entire SFS is available on EPA's website at: http//www.epa.gov/region07/cleanup/npl_files/west_lake_landill/index.htm.

We look forward to a productive meeting on January 17th and your participation along with members of the City Council.

Sincerely,

Audrey Asher

Audrey Asher
Senior Counsel

enclosures

Table 8 : Area 2 Soil Intervals to be Excavated

Boring No.	Interval Above Cleanup Levels: Top of Interval (ft bgs)	Bottom of Interval (ft bgs)	Thick-ness (ft)	Refuse Depth (ft bgs)	Samples Above Cleanup (ft bgs)	Peak Soil Sample Results: Sample Depth (ft bgs)	Radium 226+228 (pCi/g)	Thorium 230+232 (pCi/g)	Total Uranium (pCi/g)	Downhole Gamma Results: Peak Value (cpm)	Depth to Peak (ft bgs)	Top of Zone (ft bgs)	Bottom of Zone (ft bgs)	Overland Gamma Results (RI Fig 4-6)
Cleanup Levels							*7.9*	*7.9*	*54.4*					
WL-208	0	*10*	10	28	5, 9	5	3.9	**124.4**	5.12	12000	No peak			Elevated
WL-209	0	11	11		0, 5	0	**3731**	**38418**	**1120**	744000	0	0	11	Elevated
WL-209	*24*	*26*	2	28	25	25	1.3	**27.6**	1.26	6000	No peak			Elevated
WL-210	0	16.5	16.5		0, 5	0	**2285**	**18249**	**399.7**	509000	0	0	16.5	Elevated
WL-210	39	49.5	10.5	53	40	40	2.4	**18.6**	1.72	88000	47.5	46	49.5	Elevated
WL-211	0	13	13	25	5	5	**9.1**	**67.5**	5.13	330000	0.75	0	13	Elevated
WL-212	*8*	*12*	4	28	10	10	2.2	**116.9**	3.71	6000	No peak			
WL-213	0	*6*	6	24	0, 5	0	1.5	**25.3**	3.62	6000	No peak			
WL-214	*4*	*6*	2		5	5	1.4	**44.8**	2.71	6000	No peak			
WL-214	*24*	*26*	2	24	25	25	0.7	**13.2**	1.72	Not logged				
WL-215	0	0	0	>16	None	0	1.1	5.7	4.16	Not logged				
WL-216	0	9	9	22	5	5	**89.5**	**1134**	25.08	48000	3.5	0	9	Elevated
WL-217	9	11	2	>17	10	10	1.8	**9.7**	2.07	6000	No peak			Elevated
WL-218	39	41	2	37	40	40	1.3	**7.9**	1.44	6000	No peak			
WL-219	0	0	0	27	None	5	2.3	**2.2**	2.06	6000	No peak			
WL-220	0	0	0	>30	None	5	1.4	**2.2**	2.22	6000	No peak			
WL-221	0	0	0	34	None	5	1.3	**5.0**	2.13	6000	No peak			Elevated
WL-222	0	*7*	7	30	0, 5	0	3.8	**132.3**	6.31	6000	No peak			Elevated
WL-223	1	7.5	6.5	22	5	5	2.3	**9.8**	2.73	15000	4	1	7.5	Elevated
WL-224	0	0	0	33	None	35	2.2	**4.4**	2.47	6000	No peak			
WL-225	0	0	0	>37	None	5	1.7	**4.6**	4.79	6000	No peak			
WL-226	0	*22*	22	42	10, 20	20	3.8	**173.4**	12.94	370000	10.5	0	17.5	Elevated
WL-227	*4*	*6*	2	40	5	5	2.7	**20.7**	4.01	8000	No peak			
WL-228	0	0	0	None	None	5	2.1	**3.1**	4.02	6000	No peak			
WL-229	0	0	0	5	None	5	1.8	**6.4**	2.58	6000	No peak			
WL-230	0	*6*	6	32	5	5	2.3	**27.2**	3.63	10000	1.5	0	3	Elevated
WL-231	4	*11*	7	>40	5, 10	5	4.6	**95.6**	12.52	29000	5.5	4	7.5	
WL-233	17	*31*	14	>42.5	27, 30	27	5.0	**428.2**	10.22	90000	22	17	26	
WL-234	0	*21*	21	39	10, 20	10	**3075**	**57420**	**276.9**	1104000	7	0	18	Elevated
WL-235	0	*1*	1		0	0	2.1	**13.4**	1.99	6000	No peak			
WL-235	20.5	24.5	4	>30	NA					20000	22.5	20.5	24.5	
WL-236	0	0	0	>37	None	5	1.5	**6.3**	3.37	6000	No peak			
WL-237	0	0	0	34	NA					6000	No peak			Elevated
WL-238	1	10.5	9.5	27	NA					130000	6	1	10.5	Elevated
WL-239	0	0	0	?	None	5	2.1	0.8	2.81	6000	No peak			

Table 8 : Area 2 Soil Intervals to be Excavated

Boring No.	Interval Above Cleanup Levels: Top of Interval (ft bgs)	Bottom of Interval (ft bgs)	Thick-ness (ft)	Refuse Depth (ft bgs)	Samples Above Cleanup (ft bgs)	Peak Soil Sample Results: Sample Depth (ft bgs)	Radium 226+228 (pCi/g)	Thorium 230+232 (pCi/g)	Total Uranium (pCi/g)	Downhole Gamma Results: Peak Value (cpm)	Depth to Peak (ft bgs)	Top of Zone (ft bgs)	Bottom of Zone (ft bgs)	Overland Gamma Results (RI Fig 4-6)
Cleanup Levels							*7.9*	*7.9*	*54.4*					
WL-240	0	0	0	>11	NA					6000	No peak			
WL-241	1	9.5	8.5	>40	5	5	**13.0**	**346.8**	8.64	46000	5.5	1	9.5	
WL-242	0	*3*	3	?	0, 2	2	3.2	**21.7**	2.66	Not logged				
WL-243	0	*2*	2	?	0	0	5.9	**271.7**	8.2	Not logged				Elevated
WL-244	0	*1*	1	?	0	0	2.10	**21.6**	2.32	Not logged				
WL-245	0	0	0	?	None	0	1.6	4.3	1.77	Not logged				
WL-246	0	0	0	?	None	0	1.6	3.5	1.77	Not logged				
PVC-4	0	5.5	5.5		0, 1, 2	1	**2500**		**530**	1290000	1	0	5.5	Elevated
PVC-4	9.5	13	3.5		None	10	2.5			14000	11.5	9.5	13	Elevated
PVC-5	1	7	6		None	6	1.7			15000	5.5	1	7	Elevated
PVC-5	9.5	14.5	5		None	10	4.3			14000	11.5	9.5	14.5	Elevated
PVC-6	0	16	16		6 - 13	11	**230**			367000	11	0	16	Elevated
PVC-6	19	*22.5*	3.5		NA					23000	20.5	19	>21.5	Elevated
PVC-7	0	7	7		NA					1386000	2	0	7	Elevated
PVC-7	17	*22*	5		NA					22000	19.5	17	>21	Elevated
PVC-8	0	1.5	1.5		None	2	1.3			24000	0.5	0	1.5	Elevated
PVC-9	*1*	6.5	5.5		2	2	**55**		46	22000	5	3	6.5	Elevated
PVC-10	0	*13*	13		1 - 12	3	**520**			752000	3	0	7	Elevated
PVC-10	0	*13*	13		1 - 12	10	**100**		**73**	152000	9.5	7	13	Elevated
PVC-11	0	10.5	10.5		0 - 3	2	**13000**		**2900**	2286000	2.5	0	10.5	Elevated
PVC-12	0.5	5.5	5		NA					58000	2.5	0.5	5.5	
PVC-13	0	0	0		NA					6000	No peak			
PVC-18	0	0	0		None					6000	No peak			Elevated
PVC-19	6	10.5	4.5		7 - 9	8	**340**		42	332000	8	6	10.5	Elevated
PVC-20	0	4	4		0 - 2	2	**17**			127000	1.5	0	4	Elevated
PVC-33	1.5	3.5	2		NA					10000	2.5	1.5	3.5	Elevated
PVC-34	0	3	3		NA					22000	1	0	3	Elevated
PVC-35	0.5	8	7.5		NA					745000	4	0.5	8	
PVC-39	1.5	4	2.5		NA					14000	2.5	1.5	4	
PVC-40	0.5	5	4.5		NA					120000	2.5	0.5	5	Elevated
PVC-40	5	9.5	4.5		NA					46000	7	5	9.5	Elevated

Note: Highlighted lines indicate locations above cleanup levels to be considered for excavation NA - no soil samples taken

Depth intervals in italics are uncertain and are based on extension of the interval 1 ft if nearest soil sample result is within 10 times cleanup level, 2 feet if soil sample result is between 10 and 100 times the cleanup level, and 5 ft if soil sample result is greater than 100 times the cleanup level.