MSD
Metropolitan Sewer District

Louisville and Jefferson County Metropolitan Sewer District
700 West Liberty Street
Louisville Kentucky 40203-1911
502-540-6000
www.msdlouky.org

March 26, 2014

Ms. Donna Seadler
Remedial Project Manager
Kentucky/Tennessee Section
U.S. Environmental Protection Agency
REGION IV
61 Forsyth Street
ATLANTA, GA 30303

Re: Result of Landfill Cap Survey, Lees Lane Superfund Site, Jefferson County, Kentucky, Administrative Order on Consent, USEPA Docket No-91-32-C

Dear Ms. Seadler:

In accordance with paragraph 11, under Reporting Requirements, of the subject Consent Order and Attachment 1, Operation and Maintenance Plan For Post-Removal Site Control at the Lee's Lane Landfill Site. Section 4.5, Surveying, attached for your information files is one photocopy each of the following analyses and reports prepared by HDR Engineering, Inc., 401 West Main Street, Louisville, KY 40202

The data package contains all of the Monument Elevation Results and Level Circuit Monitoring point reports for samples relating to the event.

Please advise if you have any questions concerning the attached information.

Sincerely,

Richard H. Watkins, Sr.
Sewer Maintenance Supervisor

Enc.

cc: Kentucky National Resource Environment Protection Cabinet
Mr. Daniel Phelps, Division of Waste Management
Lees File –FY14

10995088

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March 21, 2014

Louisville/Jefferson County
Metropolitan Sewer District
Infrastructure and Flood Protection
3050 Commerce Center Place
Louisville, Kentucky 40211

Attention: Heather Dodds

RE: **Surveying of the Lee's Lane Landfill site**

Dear Heather:

Listed below are the elevations for the monitoring wells at the Lee's Lane Landfill, per your request.

- Bench Mark – TT A 10 – Elevation = 457.280
- Site TBM – Chiseled 1" by 1" Square Cut in the South rim of manhole on 5' by 5' by 3' high concrete box which is located 12' East of floodwall levee centerline and 27' South of Lee's Lane (pavement extended).
- Elevation = 463.368

	2014	2013	2012
Monument #1	Elevation = 448.680	Elevation = 448.694	Elevation = 448.677
Monument #2	Elevation = 447.232	Elevation = 447.251	Elevation = 447.243
Monument #3	Elevation = 444.917	Elevation = 444.935	Elevation = 444.917
Monument #4	Elevation = 444.958	Elevation = 444.973	Elevation = 444.958
Monument #5	Elevation = 445.356	Elevation = 445.335	Elevation = 445.300

If you have any questions please feel free to call at any time.

Sincerely,

HDR Engineering, Inc.

C. Bruce Snook, PLS 2747

STATE OF KENTUCKY
C. BRUCE SNOOK 2747
3-21-14
LICENSED PROFESSIONAL LAND SURVEYOR

CBS/mpd

L:\HDR Contracts 60000 Series\CON0088312-LMSD-Lees Ln-2014\03.00 Deliverables\Lees Lane Landfill site 3-20-14.doc

HDR Engineering, Inc.
401 West Main Street
Suite 500
Louisville, KY 40202-2938
Phone: (502) 909-3234
Fax: (502) 909-3235
www.hdrinc.com

PROJECT LEES LANE LANDFILL PROJECT NO. CON0088312

LEVEL CIRCUIT MONUMENTS DATE 3-20-14

INSTRUMENT LIETZ RODS WILD STAFF

WEATHER CLEAR TEMP. 58 DEGREES

STATION	+	MEAN/HI	-	MEAN/EL	BM/ADJ	REMARKS	+ DIST	- DIST	T-DIST
TBM CHSQ					463.3680	RIM MH			
0									
		0.8880							
		0.4760	0.4760						
		0.0640	463.8440						
82		82							
TP			-8.9490						
			-8.4690	-8.4697					
			-7.9910	455.3743	455.375				
82	96	178							
		2.7430							
		1.7290	1.7313						
		0.7220	457.1057						
202		380							
TP			-6.8680						
			-5.9100	-5.9087					
			-4.9480	451.1970	451.198				
380	192	572							
		4.1450							
		3.8520	3.8530						
		3.5620	455.0500						
58		631							
MON M1			-6.6830						
			-6.3720	-6.3720					
			-6.0610	448.6780	448.680	20' INSIDE WOODS			
631	62	693							
		6.6250							
		5.6270	5.6267						
		4.6280	454.3047						
200		893							

```
    MON M2                          -8.1260
                                    -7.0750   -7.0750
                                    -6.0240  447.2297   447.232 23'NW EDGE PVMT
893      210     1103

                5.1880
                4.2030    4.2040
                3.2210  451.4337
197              1299

    MON M3                          -7.4720
                                    -6.5210   -6.5200
                                    -5.5670  444.9137   444.917 47' NW EDGE PVMT
1299     191     1490

                4.7680
                3.7180    3.7180
                2.6680  448.6317
210              1700

    MON M4                          -4.6490
                                    -3.6780   -3.6783
                                    -2.7080  444.9533   444.958 19.5' NW EDGE PVMT
1700     194     1894

                5.4220
                4.3470    4.3490
                3.2780  449.3023
214              2108

    MON M5                          -5.0220
                                    -3.9450   -3.9467
                                    -2.8730  445.3557   445.362 40.5' NW EDGE PVMT
2108     215     2323

                5.3040
                4.2220    4.2227
                3.1420  449.5783
216              2540

    TP                              -5.6870
                                    -4.6240   -4.6243
                                    -3.5620  444.9540   444.961
2540     213     2752

                7.0420
                6.0030    6.0027
                4.9630  450.9567
208              2960

    TP                              -7.0130
                                    -6.0420   -6.0413
                                    -5.0690  444.9153   444.923
2960     194     3154

                8.7090
                7.6900    7.6897
```

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                    6.6700  452.6050
204                  3358

    TP                                  -6.3270
                                        -5.3800   -5.3783
                                        -4.4280  447.2267   447.236
3358      190      3548

                    8.2380
                    7.2610    7.2607
                    6.2830  454.4873
196                  3744

    TP                                  -5.3900
                                        -4.2570   -4.2563
                                        -3.1220  450.2310   450.241
3744      227      3970

                    7.4010
                    6.7300    6.7317
                    6.0640  456.9627
134                  4104

    TP                                  -3.5780
                                        -2.2000   -2.1977
                                        -0.8150  454.7650   454.776
4104      276      4380

                    9.7150
                    9.1330    9.1327
                    8.5500  463.8977
117                  4497

    TBM                                 -0.9070
                                        -0.5420   -0.5413
                                        -0.1750  463.3563   463.368
4497       73      4570_
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