Environmental Resources Management

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La Central Manager LLC Residences – Site D Brownfield Site Cleanup Site Code C203086 Monthly Progress Report #3 Prepared By: Eugene Gabay/Brice Lynch

Period Covered: 8/1/2017 - 8/31/2017

This monthly progress report is being submitted pursuant to Section 4.4.2 of the March 2017 Remedial Investigation Report/Remedial Action Work Plan RIR/RAWP and includes the following elements:

- Activities relative to the Site during the previous reporting period and those anticipated for the next reporting period, including a quantitative presentation of work performed (i.e., tons of material exported and imported, etc.);
- Description of approved activity modifications, including changes of work scope and/or schedule;
- Sampling results received following internal data review and validation, as applicable; and,
- An update of the remedial schedule including the percentage of project completion, unresolved delays encountered or anticipated that may affect the future schedule, and efforts made to mitigate such delays.

Work Efforts Completed this Month

- August 1st Urban Foundation/Engineering, LLC (Urban) began to drive structural production piles. Pile installation was completed on August 17th.
- August 3rd, 4th, 10th, 11th, 21st through 25th and 28th Urban loaded soil out from WC-1 through WC-3 and the SB-24 delineated area. Soil from WC-1 through WC-3 initially was sent to Impact Reuse and Recovery Center in Lyndhurst, New Jersey where it was screened in order to remove the historic building materials such as brick and concrete. Afterwards the soil was sent to Former New Jersey Zinc-West Plant in Palmerton, Pennsylvania.
- August 22nd the SB-24 delineated area was sent off-site to Bayshore Soil Management in Keasbey, New Jersey.
- August 17th ERM collected the first round of quarterly groundwater samples from IMW-2, IMW-3 and SB-5P/MR-154. The samples were analyzed for VOCs by USEPA method SW-846 8260 according to the RAWP. ERM attempted to collect a groundwater sample from SP-3P however the monitoring well was damaged due to on-site trucking activities. ERM repaired SB-3P and sampled the well on August 23rd.



• August 29th ERM collected a sample from stockpiled soil for potential reuse and are awaiting results.

Estimated Quantities through August, 2017

• Soil was excavated and sent off-site from areas WC-1 through WC-3. One hundred and fourteen (114) trucks were sent off-site to Former New Jersey Zinc-West Plant via Impact Reuse and Recovery Center. Each truck holds approximately sixteen (16) cubic yards for an estimated total of one thousand eight hundred and twenty four (1,824) cubic yards. Including the month of July which had approximately two hundred and fifty six (256) cubic yards of soil sent off-site the current total at the end of August of soil sent off-site is two thousand and eighty (2,080) cubic yards. Four (4) trucks of soil totaling sixty four (64) cubic yards from the SB-24 delineation area were sent off-site to Bayshore Soil Management

Sampling Results

• The first quarter groundwater sampling event was performed in accordance with Section 7.2.3 of the RIR/RAWP. The results of the baseline groundwater sampling are attached in Table 1.

Changes in Work Scope

• There has been no change to the scope of work.

Schedule Update

• Urban will continue to conduct Site grading, excavation, soil loadout and concrete slab pouring activities within the Building D Site till mid-October.

Anticipated Work Efforts for September 2017

- Continue grading activities
- Begin pouring concrete
- ERM will collect bottom and sidewall documentation soil samples once Urban has reached final grade.

La Central Manager LLC Residences - Site D Brownfield Site Code C203086 Table 1 - Groundwater Sampling Results

Client Sample ID:		IMW-2	IMW-2	SB-5P/MR-154	SB-5P/MR-154	IMW-3	IMW-3	SB-3P	SB-3P
Lab Sample ID:		JC46274-1	JC49132-2	JC46274-2	JC49132-1	JC46274-3	JC49132-3	JC46469-1	JC49438-1
Date Sampled:		6/30/2017	8/17/2017	6/30/2017	8/17/2017	6/30/2017	8/17/2017	7/6/2017	8/23/2017
Matrix:		Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water
Acetone	ug/l	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Benzene	ug/l	ND (0.17)	ND (0.17)	ND (0.17)	ND (0.17)	ND (0.17)	ND (0.17)	ND (0.17)	ND (0.17)
Bromochloromethane	ug/l	ND (0.38)	ND (0.38)	ND (0.38)	ND (0.38)	ND (0.38)	ND (0.38)	ND (0.38)	ND (0.38)
Bromodichloromethane	ug/l	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)
Bromoform	ug/l	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)	ND (0.42)
Bromomethane	ug/l	ND (1.4)	ND (1.4)	ND (1.4)	ND (1.4)	ND (1.4)	ND (1.4)	ND (1.4)	ND (1.4)
2-Butanone (MEK)	ug/l	ND (4.8)	ND (4.8)	ND (4.8)	ND (4.8)	ND (4.8)	ND (4.8)	ND (4.8)	ND (4.8)
Carbon disulfide	ug/l	ND (0.23)	ND (0.23)	ND (0.23)	ND (0.23)	ND (0.23)	ND (0.23)	ND (0.23)	ND (0.23)
Carbon tetrachloride	ug/l	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)	ND (0.34)
Chlorobenzene	ug/l	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)
Chloroethane	ug/l	ND (0.59)	ND (0.59)	ND (0.59)	ND (0.59)	ND (0.59)	ND (0.59)	ND (0.59)	ND (0.59)
Chloroform	ug/l	4.4	3.9	ND (0.29)	ND (0.29)	0.96 J	0.65 J	3.3	3.2
Chloromethane	ug/l	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.53)
Cyclohexane	ug/l	ND (0.63)	ND (0.63)	ND (0.63)	ND (0.63)	ND (0.63)	ND (0.63)	ND (0.63)	ND (0.63)
1,2-Dibromo-3-chloropropane	ug/l	ND (0.69)	ND (0.69)	ND (0.69)	ND (0.69)	ND (0.69)	ND (0.69)	ND (0.69)	ND (0.69)
Dibromochloromethane	ug/l	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)	ND (0.16)
1,2-Dibromoethane	ug/l	ND (0.21)	ND (0.21)	ND (0.21)	ND (0.21)	ND (0.21)	ND (0.21)	ND (0.21)	ND (0.21)
1,2-Dichlorobenzene	ug/l	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
1,3-Dichlorobenzene	ug/l	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
1,4-Dichlorobenzene	ug/l	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Dichlorodifluoromethane	ug/l	ND (1.9)	ND (1.9)	ND (1.9)	ND (1.9)	ND (1.9)	ND (1.9)	ND (1.9)	ND (1.9)
1,1-Dichloroethane	ug/l	ND (0.21)	ND (0.21)	ND (0.21)	ND (0.21)	ND (0.21)	ND (0.21)	ND (0.21)	ND (0.21)
1,2-Dichloroethane	ug/l	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.20)
1,1-Dichloroethene cis-1,2-Dichloroethene	ug/l ua/l	ND (0.47) 1.2	ND (0.47)	ND (0.47) ND (0.50)	ND (0.47) ND (0.50)	ND (0.47) ND (0.50)	ND (0.47) 0.73 J	ND (0.47)	ND (0.47) 1.1
trans-1,2-Dichloroethene	ug/l	ND (0.40)	ND (0.40)	ND (0.30)	ND (0.30)	ND (0.30)	ND (0.40)	ND (0.40)	ND (0.40)
1,2-Dichloropropane	ug/i ug/i	ND (0.40)	ND (0.40)	ND (0.24)	ND (0.40) ND (0.24)	ND (0.24)	ND (0.40) ND (0.24)	ND (0.40)	ND (0.40) ND (0.24)
cis-1,3-Dichloropropene	ug/l	ND (0.24) ND (0.25)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24) ND (0.25)
trans-1,3-Dichloropropene	ug/l	ND (0.23)	ND (0.23)	ND (0.23)	ND (0.23)	ND (0.23)	ND (0.23)	ND (0.23)	ND (0.23) ND (0.22)
Ethylbenzene	ug/l	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)
Freon 113	ug/i ua/i	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)
2-Hexanone	ug/i ua/i	ND (3.3)	ND (3.3)	ND (3.3)	ND (3.3)	ND (3.3)	ND (3.3)	ND (3.3)	ND (3.3)
Isopropylbenzene	ug/i ug/i	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)
Methyl Acetate	ug/l	ND (3.1)	ND (3.1)	ND (3.1)	ND (3.1)	ND (3.1)	ND (3.1)	ND (3.1)	ND (3.1)
Methylcyclohexane	ug/l	ND (1.8)	ND (1.8)	ND (1.8)	ND (1.8)	ND (1.8)	ND (1.8)	ND (1.8)	ND (1.8)
Methyl Tert Butyl Ether	ug/l	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)
4-Methyl-2-pentanone(MIBK)	ug/l	ND (3.0)	ND (3.0)	ND (3.0)	ND (3.0)	ND (3.0)	ND (3.0)	ND (3.0)	ND (3.0)
Methylene chloride	ua/l	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Styrene	ua/l	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)
1,1,2,2-Tetrachloroethane	ug/l	ND (0.17)	ND (0.17)	ND (0.17)	ND (0.17)	ND (0.17)	ND (0.17)	ND (0.17)	ND (0.17)
Tetrachloroethene	ug/l	94.6	107	ND (0.50)	ND (0.50)	1.1	19.6	112	122
Toluene	ug/l	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)
1,2,3-Trichlorobenzene	ug/l	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
1.2.4-Trichlorobenzene	ua/l	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
1,1,1-Trichloroethane	ug/l	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)	ND (0.25)
1,1,2-Trichloroethane	ug/l	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.24)
Trichloroethene	ug/l	2	2.1	ND (0.27)	ND (0.27)	ND (0.27)	0.91 J	2.1	1.9
Trichlorofluoromethane	ug/l	ND (0.60)	ND (0.60)	ND (0.60)	ND (0.60)	ND (0.60)	ND (0.60)	ND (0.60)	ND (0.60)
Vinyl chloride	ug/l	ND (0.62)	ND (0.62)	ND (0.62)	ND (0.62)	ND (0.62)	ND (0.62)	ND (0.62)	ND (0.62)
m,p-Xylene	ug/l	ND (0.43)	ND (0.43)	ND (0.43)	ND (0.43)	ND (0.43)	ND (0.43)	ND (0.43)	ND (0.43)
o-Xylene	ug/l	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)
Xylene (total)	ug/l	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)