

# Beazer

BEAZER EAST, INC. C/O THREE RIVERS MANAGEMENT, INC.  
ONE OXFORD CENTRE, SUITE 3000, PITTSBURGH, PA 15219-6401

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ALABAMA COUNTY  
ENVIRONMENTAL

November 21, 2006

NOV 22 2006

Ms. Amy L. McLaughlin  
Remedial Project Manager  
U.S. Environmental Protection Agency, Region 4  
Atlanta Federal Center  
61 Forsyth Street  
Atlanta, GA 30303-8960

PROTECTION  
DEPARTMENT

**Re: Modification of the QAPP  
Revised Supplemental Sampling Plan, Additional Data for Risk Assessment  
Carbot Carbon/Koppers Superfund Site  
Gainesville, Florida**

Dear Ms. McLaughlin:

Beazer East, Inc. (Beazer) has begun mobilization for the soil and sediment sampling at the Koppers portion of the Cabot Carbon/Koppers Superfund Site in Gainesville, Florida (Site). As outlined in Beazer's November 16, 2006 letter, it is our intention to begin field sampling on November 28, 2006.

As discussed during our October 4, 2006 meeting in Atlanta and in the October 31, 2006 follow-up letter to that meeting, EPA and FDEP have requested some modifications to the *Revised Supplemental Sampling Plan, Additional Data for Risk Assessment* (Work Plan) regarding the analytes to be evaluated and the laboratory detection limits for certain analytes. Additionally, now that Beazer has identified the laboratory that will be completing the analytical work, it is necessary to modify some of the laboratory-specific target sensitivities provided in Tables 3-3 and 3-4 of the Quality Assurance Project Plan (QAPP) contained in Appendix C of the Work Plan. Finally, Beazer has determined that Tables 3-3 and 3-4 of the QAPP mistakenly included some target analytes that are not typically part of the target compound list (TCL) for volatile and semivolatile compounds, and excluded a few that are typical analytes. As discussed during the October 4 meeting, it is Beazer's intention to analyze samples for the typical volatile and semivolatile compounds in addition to the requested metals and dioxins/furans (for selected samples).

Therefore, Beazer has modified and attached Tables 3-2, 3-3 and 3-4 of the QAPP. These tables are being submitted for your information and will provide the basis for the analytical work to be conducted on Site soils and sediments.

Writer's Direct Dial: 412/208-8867

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If you should have any questions, or require additional information, please contact me at 412-208-8867.

Sincerely,

A handwritten signature in black ink, appearing to read "Michael Slenska", with a long horizontal flourish extending to the right.

Michael Slenska, P.E.  
Environmental Manager

Attachments

cc: Kelsey Helton, FDEP  
John Mousa, ACEPD  
Jane Patarcity  
Paul Anderson, AMEC  
Jim Erickson, GeoTrans

**Updated Target Sensitivity Tables for the  
Quality Assurance Project Plan  
for the  
Revised Supplemental Sampling Plan – Additional Data for Risk Assessment  
Cabot Carbon/Koppers Superfund site,  
Gainesville, Florida**

**Table 3-2: Target Sensitivity - Metals**

	Soil		Water	
	MDL, mg/kg	RL, mg/kg	MDL µg/l	RL µg/l
Antimony	0.34	1	0.088	2
Arsenic	0.41	0.25	0.28	0.5
Barium	0.36	1	0.1	2
Cadmium	0.29	0.25	0.07	0.5
Chromium	0.094	1	0.12	2
Copper	0.03	1	0.29	2
Lead	0.13	0.5	0.12	1
Selenium	0.84	1	0.79	2
Silver	0.41	0.25	0.02	0.5
Vanadium	0.9	5	0.18	10
Mercury	0.00009	0.025	0.14	0.5

**Table 3-3: Target Sensitivity - Semivolatile Organics**

	Soils		Water	
	MDL ug/kg	RL ug/kg	MDL ug/l	RL ug/l
2,4,5-Trichlorophenol	13	170	0.41	5
2,4,6-Trichlorophenol	36	170	0.40	5
2,4-Dichlorophenol	17	170	0.41	5
2,4-Dimethylphenol	19	170	0.53	5
2,4-Dinitrophenol	12	670	0.72	20
2,4-Dinitrotoluene	9.8	170	0.39	5
2,6-Dinitrotoluene	36	170	0.5	5
2-Chloronaphthalene	16	170	0.44	5
2-Chlorophenol	18	170	0.48	5
2-Methyl-4,6-dinitrophenol	9.4	670	0.32	20
2-Methylnaphthalene	1.5	3.4	0.036	0.1
2-Methylphenol	12	170	0.44	5
2-Nitroaniline	22	170	0.30	5
2-Nitrophenol	14	670	0.47	20
3,3-Dichlorobenzidine	34	670	0.61	20
3-Nitroaniline	17	170	0.26	5
4-Bromophenyl phenyl ether	9.8	170	0.26	5
4-Chloro-3-methylphenol	16	170	0.51	5
4-Chloroaniline	26	170	0.37	5
4-Chlorophenyl phenyl ether	22	170	0.36	5
4-Methylphenol	26	170	0.73	5
4-Nitroaniline	12	170	0.26	5
4-Nitrophenol	17	670	0.57	20
Acenaphthene	2.7	6.8	0.038	0.1
Acenaphthylene	2.6	6.8	0.038	0.1
Anthracene	0.61	3.4	0.029	0.1
Benzo(a)anthracene	0.50	3.4	0.013	0.1
Benzo(a)pyrene	1.1	3.4	0.013	0.1
Benzo(b)fluoranthene	0.80	3.4	0.014	0.1
Benzo(ghi)perylene	0.65	3.4	0.014	0.1
Benzo(k)fluoranthene	0.65	3.4	0.014	0.1
Biphenyl	150	340	4.5	10
Bis(2-chloroethoxy)methane	17	170	0.45	5
Bis(2-chloroethyl)ether	15	170	0.43	5
Bis(2-chloroisopropyl)ether	21	170	0.57	5
Bis(2-ethylhexyl)phthalate	16	170	1.1	5
Butylbenzylphthalate	18	340	0.56	10
Carbazole	16	170	0.024	0.1
Chrysene	0.48	3.4	0.010	0.1
Dibenz(a,h)anthracene	0.51	3.4	0.014	0.1
Dibenzofuran	13	170	0.44	5
Diethyl phthalate	12	170	0.90	5
Dimethyl phthalate	9.8	170	0.42	5

	Soils		Water	
	MDL ug/kg	RL ug/kg	MDL ug/l	RL ug/l
Di-n-butyl phthalate	61	170	0.91	5
Di-n-octyl phthalate	15	170	0.68	5
Fluoranthene	0.59	3.4	0.021	0.1
Fluorene	1.5	3.4	0.039	0.1
Hexachlorobenzene	8.3	170	0.33	5
Hexachlorobutadiene	17	170	0.44	5
Hexachlorocyclopentadiene	11	170	0.34	5
Hexachloroethane	17	170	0.52	5
Indeno(1,2,3-cd)pyrene	0.87	3.4	0.015	0.1
Isophorone	13	170	0.64	5
Naphthalene	0.51	3.4	0.044	0.1
Nitrobenzene	20	170	0.58	5
n-Nitroso-di-n-propylamine	18	170	0.51	5
Nitrosodiphenylamine	11	170	0.34	5
Pentachlorophenol	0.70	34	0.018	1.0
Phenanthrene	3.3	6.8	0.036	0.1
Phenol	16	170	1.7	5
Pyrene	0.52	3.4	0.020	0.1

**Table 3-4: Target Sensitivity - Volatile Organics (VOCs)**

	Soils		Water	
	MDL ug/kg	RL ug/kg	MDL ug/l	RL ug/l
1,1,1-Trichloroethane	0.12	5	0.17	1
1,1,2,2-Tetrachloroethane	0.066	5	0.16	1
1,1,2-Trichloroethane	0.13	5	0.14	1
1,1-Dichloroethane	0.063	5	0.08	1
1,1-Dichloroethene	0.17	5	0.16	1
1,2,4-Trichlorobenzene	0.15	10	0.20	10
1,2-Dibromo-3-chloropropane	0.49	10	0.85	2
1,2-Dibromoethane (EDB)	0.056	5	0.12	1
1,2-Dichlorobenzene	0.078	5	0.08	1
1,2-Dichloroethane	0.10	5	0.11	1
1,2-Dichloropropane	0.054	5	0.10	1
1,3-Dichlorobenzene	0.050	5	0.14	1
1,4-Dichlorobenzene	0.087	5	0.085	1
2-Butanone (MEK)	1.1	10	0.97	10
2-Hexanone	1.0	10	1.4	25
4-Methyl-2-pentanone (MIBK)	0.71	10	0.94	25
Acetone	2.5	125	1.9	50
Benzene	0.39	5	0.088	1
Bromodichloromethane	0.29	5	0.099	1
Bromoform	0.39	5	0.28	1
Bromomethane	0.32	5	0.15	1
Carbon disulfide	1.6	10	1.1	10
Carbon tetrachloride	0.35	5	0.14	1
Chlorobenzene	0.40	5	0.10	1
Chloroethane	0.36	5	0.19	1
Chloroform	0.34	5	0.12	1
Chloromethane	0.45	5	0.11	1
cis-1,2-Dichloroethene	0.26	5	0.12	1
cis-1,3-Dichloropropene	0.29	5	0.14	1
Cyclohexane	0.38	10	0.27	10
Dibromochloromethane	0.25	5	0.12	1
Dichlorodifluoromethane	0.32	5	0.15	5
Ethylbenzene	0.42	5	0.12	1
Isopropylbenzene	0.46	5	0.093	1
m&p-Xylenes	0.87	10	0.19	2
Methyl acetate	0.19	10	0.39	10
Methylcyclohexane	0.44	10	0.15	10
Methylene chloride	0.39	50	0.29	5
Methyl-tert-butyl-ether (MTBE)	0.32	5	1.3	2
o-Xylene	0.40	5	0.083	1
Styrene	0.43	5	0.062	1
Tetrachloroethene	0.40	5	0.16	1
Toluene	0.42	5	0.13	1

	Soils		Water	
	MDL ug/kg	RL ug/kg	MDL ug/l	RL ug/l
Total xylenes	0.16	5	0.27	3
trans-1,2-Dichloroethene	0.38	5	0.11	1
trans-1,3-Dichloropropene	0.30	5	0.12	1
Trichloroethene	0.40	5	0.20	1
Trichlorofluoromethane	0.26	5	0.21	1
Trichlorotrifluoroethane	0.36	5	1.4	5
Vinyl chloride	0.24	5	0.12	1