



de maximis, inc.

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September 10, 2019

Mr Rusty Kestle
U.S. Environmental Protection Agency
Region IV
61 Forsyth Street, S.W.
Atlanta, Georgia 30303-3104

Re.: August 2019 Monthly Progress Report

Dear Rusty:

Please find attached the August 2019 Monthly Progress Report for the Cabot portion of the Cabot/Koppers Superfund Site in Gainesville, Florida.

Please feel free to contact me (610) 417-4767 or Robert Rule (865) 691-5052 with questions.

Sincerely,

Kelly L. Fifer

Cc: Wayne Reiber
Robert Rule
Mark Taylor
Carl Elder
Steve Poirier
Manu Sharma
Meghna Swamy
Scott Miller
Tracie Vaught
Robin Hallbourg
Rick Hutton
Gus Olmos
Ted Goodman
Bryan Cotter

**August 2019 Monthly Progress Report
Cabot Portion of Cabot/Koppers Superfund Site, Gainesville, FL**

Data Inventory

A second round of perimeter air monitoring samples was collected on August 26, 2019. Canister samples were collected in a 6-L SUMMA canister and analyzed using EP Method TO 15. Additionally, at three locations, charcoal tube samples were collected in glass tubes using personal air sampling pumps and analyzed by NIOSH Method 1552.

We collected air samples in the charcoal tubes as an alternate method for testing for Terpenes. Some scientific research has indicated that recovery of terpenes from passivated stainless steel (PSS) canisters (e.g., SUMMA canisters) can be diminished because the interaction of the terpenes with the inside of the canisters. We plan to conduct 3 rounds of companioned canister and charcoal tube samples and compare the terpene results.

Data Reporting

Table 1 Data not available at the time of this report.

Table 1 Groundwater Collected and Discharged to GRU

Time Period	Volume of Groundwater (million gallons)
July 2019	
August 2019	
September 2019	
Third Quarter Total	

Note: Daily and monthly discharge volumes are reported to GRU quarterly.

Data Reporting (Continued)

Initial background perimeter air monitoring results are shown below.

Background Monitoring Results
Perimeter Air Monitoring
Cabot Carbon Superfund Site Gainesville, FL
Sampling Date: 7-18-2019

Analytes	Air Sampling Station Designation																	
	AQM 1		AQM 2		AQM 3		AQM 4		AQM 5		AQM 6		AQM 7		AQM 8		AQM 88 (Duplicate)	
	µg/m ³	ppb	µg/m ³	ppb	µg/m ³	ppb	µg/m ³	ppb	µg/m ³	ppb	µg/m ³	ppb	µg/m ³	ppb	µg/m ³	ppb	µg/m ³	ppb
Acetone	57	24.00	22	9.26	24	10.10	18	7.58	15	6.31	14	5.89	23	9.68	20	8.42	19	8.00
Methyl Ethyl Ketone	2.6	0.88	3.4	1.15	3.1	1.05	2.3J	0.78J	1.7J	0.58J	1.6J	0.54J	2.2J	0.75J	1.9J	0.64J	1.7J	0.58J
Benzene	0.49	0.15	0.45	0.14	0.5	0.16	0.39	0.12	0.44	0.14	0.50	0.16	0.71	0.22	0.86	0.27	0.58	0.18
Ethylbenzene	0.29	0.07	0.36	0.08	0.2	0.05	0.14	0.03	0.16	0.04	0.19	0.04	0.29	0.07	0.31	0.07	0.23	0.05
Toluene	1.6	0.42	1.9	0.50	1.6	0.42	1.0	0.27	1.2	0.32	1.5	0.40	2.0	0.53	2.0	0.53	1.8	0.48
m,p Xylene	0.92	0.21	1.2	0.28	0.66	0.15	0.39	0.09	0.47	0.11	0.54	0.12	0.87	0.20	0.77	0.18	0.68	0.16
o Xylene	0.35	0.08	0.5	0.12	0.28	0.06	0.15	0.03	0.17	0.04	0.21	0.05	0.36	0.08	0.29	0.07	0.26	0.06
Total Xylenes	1.27	0.23	1.7	0.31	0.94	0.17	0.54	0.10	0.64	0.11	0.75	0.13	1.23	0.22	1.06	0.19	0.94	0.17
Alpha Pinene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3-Carene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Beta Pinene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Camphor	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Average PID		129		117		80		97		115		87		96		108		108

Notes:

Samples were collected using 6-liter SUMMA Canisters using an 8 -hour sample duration.

Samples were analyzed using EP Method TO 15.

µg/m³: Indicates micrograms per cubic meter.

ppb: Indicates parts per billion.

J: Indicates an estimated concentration that is below the laboratory reporting limit for the indicated compound

ND: Compound not detected in the sample.

PID: Indicates photo ionizing detector

Conversion from µg/m³ to ppb assumes a temperature of 25°C and a pressure of 1 atmosphere.

Wind Speed: During the sampling period the wind speed ranged from 0-10 miles per hour

Wind Direction: The predominant wind direction was from the south with variations from the west, southwest, southeast, and east.

Construction Activities

- Completed approximately 75% of mobilization activities to include:
 - Setting up administration/office facilities
 - Building temporary site access roads
 - Installing E&S controls as necessary
 - Building site access construction entrance
 - Removing interior fence between Cabot and Davis property
 - Installed temporary fence around administration/office area and along 28th Place
 - Revised construction schedule
 - Submitted material submittals for approval

Upcoming Construction Activities

- Complete Mobilization and site prep activities to include:
 - Grinding and removing remaining stumps
- Install double row of silt fence for excavated soils from replacement stormwater pond
- Begin excavating replacement stormwater pond
- Stockpile soils from excavation of replacement stormwater pond
- Install piping, inlet and outlet structures for replacement stormwater pond
- Perform another round of perimeter air monitoring at the site perimeter during excavation of replacement stormwater pond

Issues/Concerns

Continued discussions with Bob Garrett about moving equipment and trailers that are currently located inside the cap and slurry wall alignment.