

PLUMLEY

ENGINEERING

Civil and Environmental Engineering

October 29, 2018

*** VIA EMAIL: christopher.mannes@dec.ny.gov ***

Mr. Christopher F. Mannes, P.E.
NEW YORK STATE DEPARTMENT OF
ENVIRONMENTAL CONSERVATION
615 Erie Boulevard West
Syracuse, New York 13204-2400

RE: Revised Emerging Contaminants Sampling Work Plan
Quanta Resources Site
City of Syracuse, Onondaga County, New York
DEC Site No. 7-34013
Project No. 2015127

Dear Mr. Mannes:

Thank you for your letter of October 25, 2018 letter requesting revisions to Work Plan for groundwater testing at the above-referenced site for the emerging contaminants 1,4-Dioxane and per- and polyfluoroalkyl substances (PFAS). We understand your concerns and this revised Work Plan includes the testing for these emerging contaminants for groundwater samples to be collected from 3 existing monitoring wells as follows:

- Upgradient well MW-9
- Source Area well MW-10
- Downgradient well MW-12

Please refer to the attached Figure 1 for the location of these and background groundwater quality data.

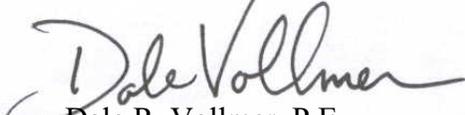
Mr. Christopher F. Mannes, P.E.
October 29, 2018
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The emergent contaminant sampling and testing will be completed in conjunction with the annual groundwater monitoring program and in accordance with DEC Groundwater Sampling for Emerging Contaminants guidelines, dated February 2018. The project laboratory will be SGS North America, Inc.

Please review this information and let us know if you have any questions or comments. Thank you for your consideration in this matter.

Sincerely,

PLUMLEY ENGINEERING, P.C.

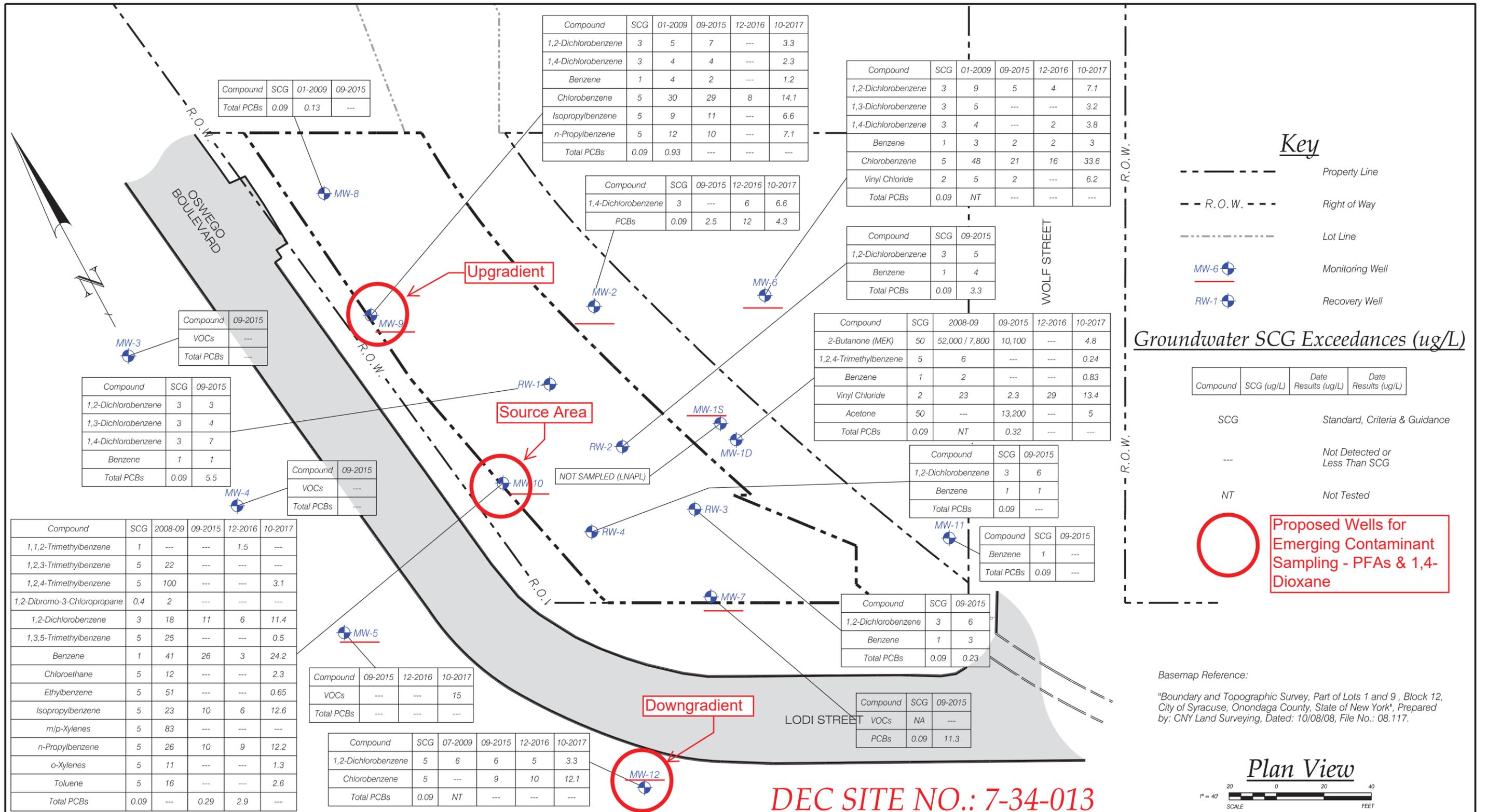


Dale R. Vollmer, P.E.

DRV/cas

Attachments

cc:	Mr. Harry Warner, P.E., NYSDEC (w/attachments)	[via email]
	Mr. Richard E. Jones, NYSDOH (w/attachments)	[via email]
	Ms. Colleen Liddell, Ford Motor Company (w/attachments)	[via email]
	Doreen Simmons, Esq., Hancock Estabrook, LLP(w/attachments)	[via email]



Compound	SCG	01-2009	09-2015
Total PCBs	0.09	0.13	---

Compound	SCG	01-2009	09-2015	12-2016	10-2017
1,2-Dichlorobenzene	3	5	7	---	3.3
1,4-Dichlorobenzene	3	4	4	---	2.3
Benzene	1	4	2	---	1.2
Chlorobenzene	5	30	29	8	14.1
Isopropylbenzene	5	9	11	---	6.6
n-Propylbenzene	5	12	10	---	7.1
Total PCBs	0.09	0.93	---	---	---

Compound	SCG	01-2009	09-2015	12-2016	10-2017
1,2-Dichlorobenzene	3	9	5	4	7.1
1,3-Dichlorobenzene	3	5	---	---	3.2
1,4-Dichlorobenzene	3	4	---	2	3.8
Benzene	1	3	2	2	3
Chlorobenzene	5	48	21	16	33.6
Vinyl Chloride	2	5	2	---	6.2
Total PCBs	0.09	NT	---	---	---

Compound	SCG	09-2015	12-2016	10-2017
1,4-Dichlorobenzene	3	---	6	6.6
PCBs	0.09	2.5	12	4.3

Compound	SCG	09-2015
1,2-Dichlorobenzene	3	5
Benzene	1	4
Total PCBs	0.09	3.3

Compound	SCG	2008-09	09-2015	12-2016	10-2017
2-Butanone (MEK)	50	52,000 / 7,800	10,100	---	4.8
1,2,4-Trimethylbenzene	5	6	---	---	0.24
Benzene	1	2	---	---	0.83
Vinyl Chloride	2	23	2.3	29	13.4
Acetone	50	---	13,200	---	5
Total PCBs	0.09	NT	0.32	---	---

Compound	SCG	09-2015
1,2-Dichlorobenzene	3	6
Benzene	1	1
Total PCBs	0.09	---

Compound	SCG	09-2015
Benzene	1	---
Total PCBs	0.09	---

Compound	SCG	09-2015
1,2-Dichlorobenzene	3	6
Benzene	1	3
Total PCBs	0.09	0.23

Compound	SCG	09-2015
VOCs	NA	---
PCBs	0.09	11.3

Compound	SCG	09-2015
1,2-Dichlorobenzene	3	3
1,3-Dichlorobenzene	3	4
1,4-Dichlorobenzene	3	7
Benzene	1	1
Total PCBs	0.09	5.5

Compound	09-2015
VOCs	---
Total PCBs	---

Compound	SCG	2008-09	09-2015	12-2016	10-2017
1,1,2-Trimethylbenzene	1	---	---	1.5	---
1,2,3-Trimethylbenzene	5	22	---	---	---
1,2,4-Trimethylbenzene	5	100	---	---	3.1
1,2-Dibromo-3-Chloropropane	0.4	2	---	---	---
1,2-Dichlorobenzene	3	18	11	6	11.4
1,3,5-Trimethylbenzene	5	25	---	---	0.5
Benzene	1	41	26	3	24.2
Chloroethane	5	12	---	---	2.3
Ethylbenzene	5	51	---	---	0.65
Isopropylbenzene	5	23	10	6	12.6
m/p-Xylenes	5	83	---	---	---
n-Propylbenzene	5	26	10	9	12.2
o-Xylenes	5	11	---	---	1.3
Toluene	5	16	---	---	2.6
Total PCBs	0.09	---	0.29	2.9	---

Compound	09-2015	12-2016	10-2017
VOCs	---	---	15
Total PCBs	---	---	---

Compound	SCG	07-2009	09-2015	12-2016	10-2017
1,2-Dichlorobenzene	5	6	6	5	3.3
Chlorobenzene	5	---	9	10	12.1
Total PCBs	0.09	NT	---	---	---

- Key**
- Property Line
 - R.O.W. Right of Way
 - Lot Line
 - Monitoring Well
 - Recovery Well

Groundwater SCG Exceedances (ug/L)

Compound	SCG (ug/L)	Date Results (ug/L)	Date Results (ug/L)
SCG	Standard, Criteria & Guidance		
---	Not Detected or Less Than SCG		
NT	Not Tested		

Proposed Wells for Emerging Contaminant Sampling - PFAs & 1,4-Dioxane

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Civil and Environmental Engineering

REVISIONS:

NO.	DATE:	BY:

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PROJECT: VOC & PCB GROUNDWATER DATA PLAN

DWG. TITLE: VOC & PCB GROUNDWATER DATA PLAN

CLIENT: QUANTA RESOURCES / SYRACUSE PRP GROUP

LOCATION: CITY OF SYRACUSE, ONONDAGA COUNTY, NEW YORK

Note: No alteration permitted hereon except as provided under Section 7209 Subdivision 2 of the New York State Education Law.

PROJECT No.: 2015127

FILE NAME.: GWD_12-16

SCALE: AS NOTED

DATE: JAN. 2017

ENG'D BY: DRV

DRAWN BY: JMD

CHECKED BY: FAK

SHEET NO.: **FIGURE 1**

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