Advanced Cleanup Technologies, Inc.
ENVIRONMENTAL CONSULTANTS

April 20, 2020

John B. Miller, P.E.
NYS Department of Environmental Conservation
Division of Environmental Remediation
625 Broadway, 11th Floor
Albany, NY 12233-7014

Re: Groundwater Monitoring Status Report
Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY
NYSDEC Site No. C360130

Dear Mr. Miller,

The first post-Certificate of Completion groundwater monitoring event took place on February 18th and 19th, 2020. In accordance with the approved Site Management Plan, groundwater samples were collected from 2 on-site monitoring wells (MW-1S and MW-2S) and 5 off-site monitoring wells (MW-4S, MW-4I, MW-5S, MW-5I and MW-6).

Prior to purging, depth to water was determined using a conductivity meter. Before sample collection, groundwater was purged utilizing a low flow peristaltic pump, a Horiba in-line water quality meter and dedicated polyethylene and neoprene tubing. Sampling was performed when indicator parameters had stabilized. A total of nine water samples including seven groundwater samples and two equipment blanks were submitted to York Analytical Laboratories, Inc. (NYSDOH #10854) for analysis in accordance with EPA Method 8260. The current and historical laboratory analytical results are summarized in Table 1.

It can be seen from Table 1 and the accompanying figures that samples collected from on-site shallow monitoring wells MW-1 and MW-2 contained lower concentrations of PCE than the previous monitoring event in March 2019. Monitoring well MW-1S, located in the southwestern portion of the parking lot, contained 7.2 µg/L of Tetrachloroethene compared with 37 µg/L in March 2019. MW-2, located in the southeastern portion of the parking lot, contained 6.2 µg/L of Tetrachloroethene compared to 9.7 µg/L in March 2019.

Off-site wells MW-4S and MW-4I, located to the southeast of the site, contained CVOCs at or below water quality standards or detection limits. Similarly, off-site well MW-5S contained CVOCs at or below water quality standards or detection limits. In MW-5I, Tetrachloroethene levels decreased from 1,800 µg/L in March 2019 to 370 µg/L in February 2020. However,

Tetrachloroethene concentrations in off-site monitoring well MW-6, located southwest of the site, increased slightly from 150 µg/L in March 2019 to 210 µg/L in February 2020.

Conclusions

As depicted in Figures 1 and 2, groundwater quality in on-site shallow monitoring wells MW-1 and MW-2 have shown continuous improvement in groundwater quality since monitoring commenced in 2014 and have now reached asymptotic levels. As depicted in Figure 3, groundwater quality in off-site monitoring well MW-5I has shown significant improvement since the previous monitoring event. In contrast, groundwater quality in off-site monitoring well MW-6 has shown a continuous increase in contaminant levels since 2018, which is consistent with an offsite source of contamination.

Recommendations

Groundwater monitoring will continue in accordance with the approved SMP. The next post-COC biannual groundwater monitoring event will take place August 2020 and include monitoring wells MW-5I and MW-6.

Table 1
Historical Groundwater Data (2014 to 2020)

Spic & Span Cleaners
79 to 81 Pondfield Road
NYSDEC Site No. C360130

MW-1S	PCE	TCE	Cis-1,2-DCE
4/16/14	**1,000**	<10	<10
5/14/14	**5,800**	**51**	**17**
3/10/16	**2,600**	**13**	**4.4**
6/15/16	**34**	**0.58**	<0.2
11/10/16	**23**	**2.4**	**0.22**
5/24/17	**59**	**1.4**	<0.2
9/29/17	**1.6**	<0.2	<0.2
3/19/19	**37**	**1.3**	<0.2
2/19/20	**7.2**	<2.5	<2.5

MW-2S	PCE	TCE	Cis-1,2-DCE
1/10/14	**670**	<10	<10
4/16/14	**310**	<10	<10
5/14/14	**350**	<10	<10
3/10/16	**100**	**1.6**	**0.21**
6/15/16	**110**	**2.4**	**0.47**
11/10/16	**70**	**1.4**	**0.32**
5/23/17	**65**	**1.5**	**0.23**
9/29/17	**58**	**1.4**	**0.86**
1/25/18	**890**	<2	<2
3/15/19	**9.7**	**0.69**	<0.2
2/19/20	**6.2**	<2.5	<2.5

MW-4S	PCE	TCE	Cis-1,2-DCE
5/13/14	<10	<10	<10
3/9/16	**0.59**	<0.50	<0.2
6/14/16	**0.94**	<0.2	<0.2
11/9/16	**3.1**	<0.2	<0.2
2/22/17	**1.1**	<0.2	<0.2
5/22/17	**0.23**	<0.2	<0.2
9/28/17	**1.4**	<0.2	<0.2
1/25/18	**2**	<0.2	<0.2
3/19/19	**0.33**	<0.2	<0.2
2/19/20	<2.5	<2.5	<2.5

Notes:
All units in ug/L
PCE: Tetrachloroethene
TCE: Trichloroethene
Cis-1,2-DCE: cis-1,2-Dichloroethene
Highlight indicates an exceedance of the NYSDEC TOGS 1.1.1, June 1998
Bolded values signify detection above method detection limit

Figure 1: PCE in Monitoring Well 1-Shallow

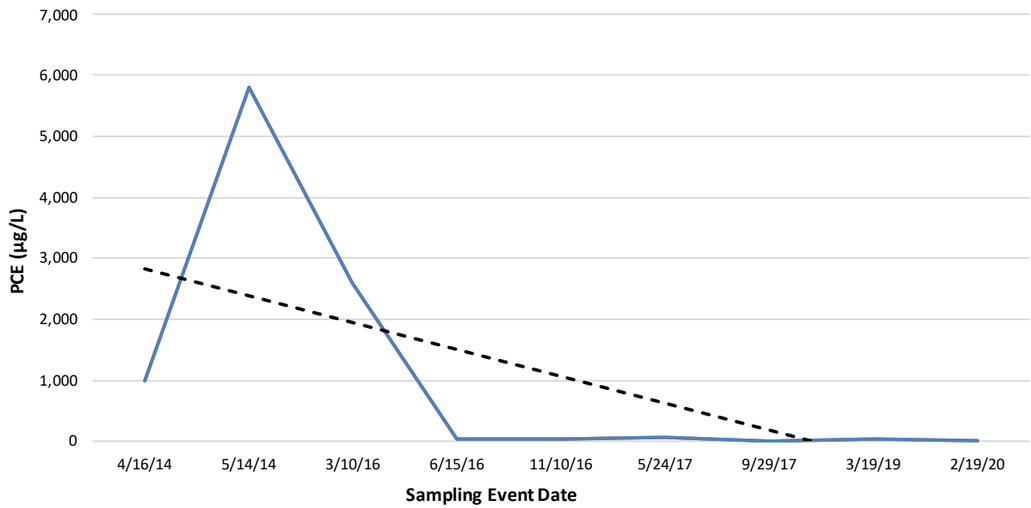
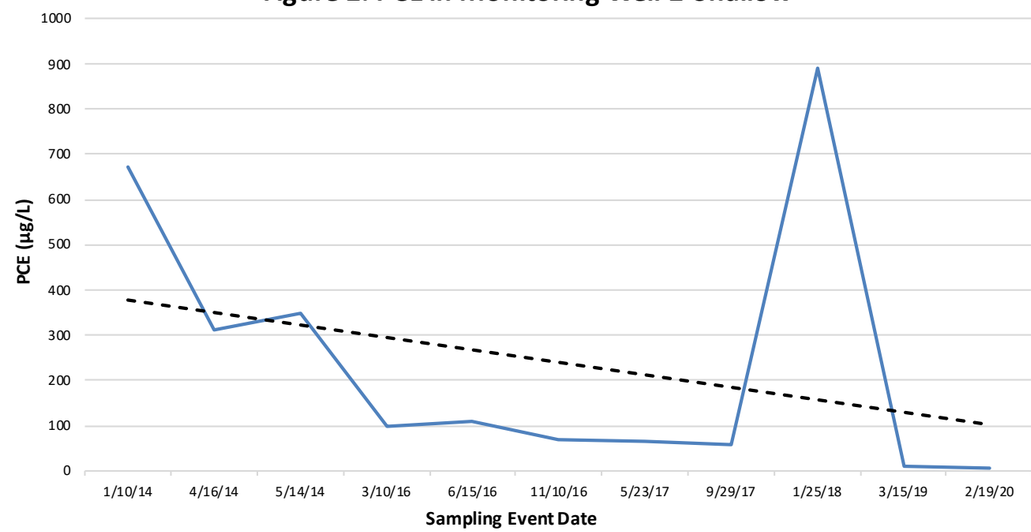


Figure 2: PCE in Monitoring Well 2-Shallow



Note:
Trendline shown as dashed-line on figures

Table 1 (continued)
Historical Groundwater Data (2014 to 2020)

Spic & Span Cleaners
79 to 81 Pondfield Road
NYSDEC Site No. C360130

MW-4I	PCE	TCE	Cis-1,2-DCE
5/13/14	<10	<10	<10
3/9/16	<0.2	<0.5	<0.5
6/14/16	**0.75**	<0.2	<0.2
11/9/16	**0.38**	<0.2	<0.2
2/22/17	**0.68**	<0.2	<0.2
5/23/17	**0.32**	<0.2	<0.2
9/28/17	**4.1**	<0.2	<0.2
1/25/18	**9.2**	0.23	<0.2
3/19/19	<0.2	<0.2	<0.2
2/18/20	<2.5	<2.5	<2.5

MW-5S	PCE	TCE	Cis-1,2-DCE
5/13/14	<10	<10	<10
3/9/16	**1**	<0.5	<0.5
6/14/16	**0.35**	<0.2	<0.2
11/9/16	**0.69**	<0.2	<0.2
2/22/17	**0.91**	<0.2	<0.2
5/23/17	**0.29**	<0.2	<0.2
9/28/17	<0.2	<0.2	<0.2
3/13/19	**0.39**	<0.2	<0.2
2/18/20	<2.5	<2.5	<2.5

MW-5I	PCE	TCE	Cis-1,2-DCE
5/13/14	**2,400**	<10	<10
3/10/16	**1,600**	**3.3**	<5
6/15/16	**1,900**	<5	<5
11/10/16	**660**	**4.2**	**10**
5/24/17	**420**	**2.2**	**3.6**
9/29/17	**110**	**2.5**	**7**
1/26/18	**19**	**1**	**3.4**
3/14/19	**1,800**	**3.2**	**1.1**
2/18/20	**370**	<2.5	<2.5

MW-6	PCE	TCE	Cis-1,2-DCE
3/9/16	**530**	**2**	<2.5
6/14/16	**190**	<0.4	**0.42**
11/9/16	**290**	**1.1**	**0.63**
2/22/17	**150**	**0.91**	**0.59**
5/22/17	**150**	**1.1**	**0.48**
9/28/17	**400**	**2**	<1
1/26/18	**24**	**0.22**	<0.2
3/13/19	**150**	**0.75**	**0.39**
2/18/20	**210**	<2.5	<2.5

Notes:
All units in ug/L
PCE: Tetrachloroethene
TCE: Trichloroethene
CIS-1,2-DCE: cis-1,2-Dichloroethene
Highlight indicates an exceedance of the NYSDEC TOGS 1.1.1, June 1998
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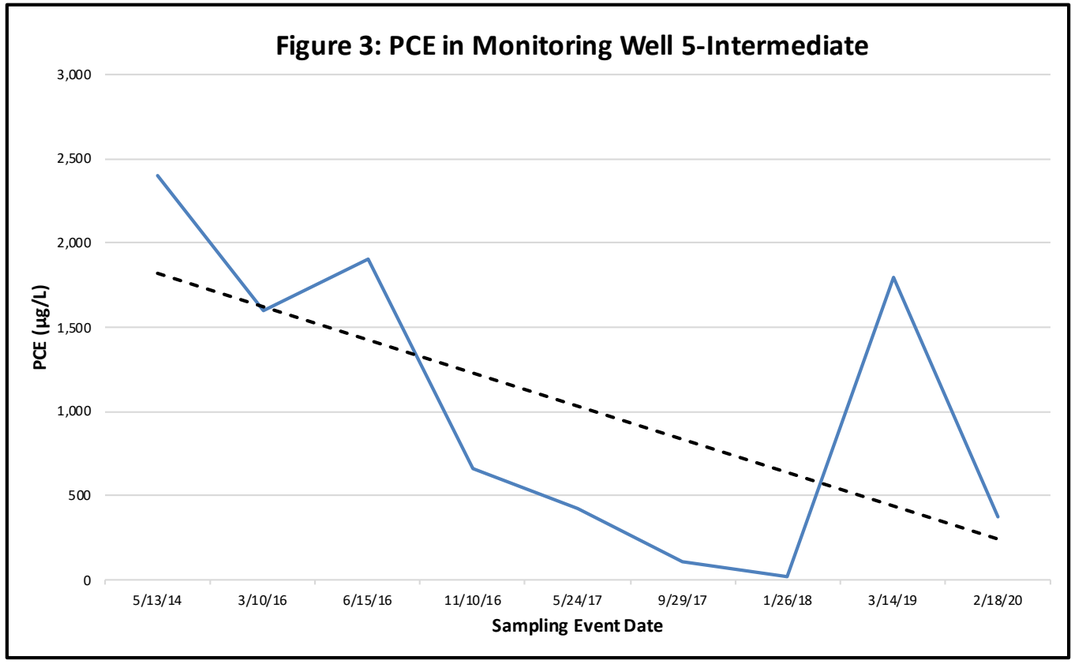

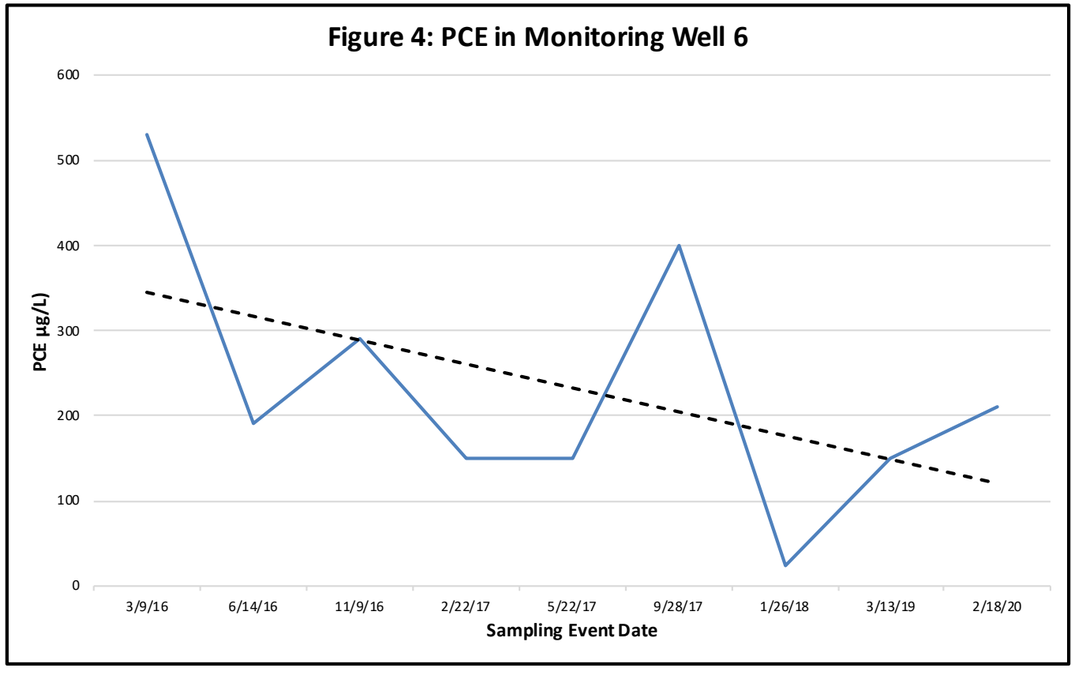

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