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May 10, 2016

Mr. Frank Sowers
New York State Department of Environmental Conservation
Division of Environmental Remediation
6274 East Avon-Lima Road
Avon, New York 14414-9519

Subject: Former Monarch Chemicals Facility
61 Gates Avenue - Geneva, New York
VCP No. V00119-8
Project Status Report – May 2016

Dear Mr. Sowers:

Pinnacle Engineering Inc., (Pinnacle), on behalf of the H.B. Fuller Company (H.B. Fuller), is pleased to submit the following project status report (PSR) for May 2016 related to activities conducted at the Former Monarch Chemicals Facility located at 61 Gates Avenue, Geneva, New York. This report is prepared pursuant to the Voluntary Cleanup Agreement (VCA) between H.B. Fuller and the New York State Department of Environmental Conservation (NYSDEC), VCP No. V00119-8.

Actions Taken During the Reporting Period

Completed draft of the *Site Management Plan* (SMP). The draft report is in review with H.B. Fuller, and upon approval will be submittal to NYSDEC.

Actions Anticipated for the Next Reporting Period

Continue to work on documents and processes for Site to enter public notice period.

Activity Modifications (Changes in Work Scope and\or Schedule)

There were no changes or modifications to the RI or IRM during the reporting period.

Results of Sampling Activities and Other Data Received

There was no data generated from the last reporting period.

Agency Communications

On April 18, 2016, Univar submitted to NYSDEC a *60-Day Advance Notification of Site Change of Use, Transfer of Certification of Completion, and/or Ownership* regarding planned construction of a new truck scale and canopy on the northeast side of the building. This construction intends to excavate soils to a depth of two (2) feet bgs for the scale, and excavate soils for three (3) columns to a depth

of seven (7) feet bgs. This re-development would potentially result in the decommissioning of groundwater monitoring wells MW-119 and MW-120. On May 5, 2016, NYSDEC replied to Univar that the *Change in Use* may adversely impact the Site based on

- Potential to damage existing groundwater monitoring wells MW-119 and MW-120;
- Potential deeper excavations may encounter VOC impacted groundwater; and,
- Potential to encounter VOC impacted soils due to disturbance in site cover.

These conditions would require compliance with of a NYSDEC-approved *Interim Site Management Plan/Excavation Workplan*.

As presented in several investigation documents prepared and provided to NYSDEC, this area of the BCS building has investigated and reported monitoring events for soil and groundwater conditions for decades. Attached to this PSR are boring logs for MW-119 and MW-120, which monitored VOC conditions during drilling with a photoionization detector (PID), detecting limited levels of volatile soil vapors and soil impacts extending from the ground surface to a depth of sixteen (16) feet bgs, a depth eleven (11) feet below the planned soil disturbance area. Also attached to this PSR is Table 3, which summarizes the laboratory analytical results for soil samples at each of these locations, which did not detect any analyte above the NYSDEC Unrestricted Soil Use designation, and each compound was lower than the NYSDEC limit Protective of Groundwater. Over the past 11-years of groundwater monitoring, only one (1) monitoring event detected groundwater at MW-120 less than seven (7) feet bgs, with an average depth to water at ten and seven-tenths (10.7) feet bgs.

IRM Status

The IRM has been implemented and reported to NYSDEC October 29, 2012 in the *Interim Remedial Measures (IRM) Status Completion Report*. In a letter dated February 21, 2013, NYSDEC accepted this report, with comments, and no further work or revisions are expected with this task. With this task complete, the project can move to closure.

Remedial Investigation Status

The *Data Gap Remedial Investigation Report* was submitted to NYSDEC June 15, 2012. The RI was accepted, with comments by NYSDEC, February 21, 2013.

Percent Completion Estimate

The IRM has been implemented. The groundwater and sub-slab air sampling data document the IRM progressed as planned, and is 100% complete.

Unresolved Delays and Mitigative Efforts

None during the reporting period.

Pinnacle believes this report fulfills the reporting requirements for the VCA. If you have any questions please feel free to contact me at (763) 277-8422.

Sincerely,

PINNACLE ENGINEERING, INC.

Keith B. Rapp
Senior Hydrogeologist\Senior Project Manager
PINNACLE ENGINEERING, INC.

Enclosures – MW-119 and MW-120 Boring Logs
Table 3 – Soil Sample Analytical Summary - VOCs

cc: Kristin Colberg - H.B. Fuller\St. Paul
Justin Deming - NYSDOH\Albany
Julia Kenney - NYSDOH\Albany
Bernette Schilling - NYSDEC\Avon
James Mahoney - NYSDEC\Buffalo
Jack Spicuzza - Univar\Redmond
Bill Anthony - Pinnacle\Joplin

DELTA ENVIRONMENTAL CONSULTANTS

TEST BORING LOG

BORING NO.: MW-119

PROJECT: Geneva, NY									Sheet 1 of 1
CLIENT: HB Fuller									
DELTA PROJECT NO: V004210-1									
DRILLING METHOD: H.S.A.					SAMPLER	BIT SIZE	CORE	CASING	
DRILLING RIG: CME-55					Split-Spoon	NA	NA	NA	DATE: 7-11-05
DRILLER: Lyon Drilling									
DEPTH IN FT.	SAMPLE NO.	BLOWS PER 6"	REC. (ft.)	PID (ppm)	SOIL DESCRIPTION				REMARKS
	1	NA	2.5	0.0	Gravel Fill, moist				
1.0									
2.0								2.1'	
				8.7	Brn, Silt with some gravel fill, moist				Soil sample MW-119A at 2' to 4'
3.0									
4.0								4.0'	
	2		4.0	1.5	Brn, Silt and Clay, stiff				
5.0									
6.0					water noted in borehole				
7.0									
8.0									
	3		4.0	1.5	same as above			8.8'	
9.0									
				3.7	Brn, vy f. sand, wet				Soil sample MW-119B at 8' to 12'
10.0									
11.0									
								11.4'	
12.0				3.7	Brn, Silt and Clay, wet			12.0'	
	4		4.0	1.0	Brn, Silt and F.Sand (interbedded), wet				
13.0									
14.0								14.1'	
				1.0	Gray, Clay, moist				
15.0									
16.0								16.0'	
					Boring terminated at 16'				
17.0					Monitoring well set at 14' BG. Well screen 4' to 14', sand pack 2.7' to 14', bentonite seal 1.2' to 2.7', grout 0' to 1.2', flush mount casing				
18.0									

DELTA ENVIRONMENTAL CONSULTANTS

TEST BORING LOG

BORING NO.: MW-120

PROJECT: Geneva, NY									Sheet 1 of 1
CLIENT: HB Fuller									
DELTA PROJECT NO: V004210-1									
DRILLING METHOD: H.S.A.					SAMPLER	BIT SIZE	CORE	CASING	
DRILLING RIG: CME-55					Split-Spoon	NA	NA	NA	DATE: 7-11-05
DRILLER: Lyon Drilling									
DEPTH IN FT.	SAMPLE NO.	BLOWS PER 6"	REC. (ft.)	PID (ppm)	SOIL DESCRIPTION				REMARKS
	1	NA	3.1	0.0	Gravel Fill with little silt, moist				
1.0								1.0'	
				3.6	Brn, Silt with trace gravel fill, moist				
2.0									
									Soil sample MW-120A at 2' to 4'
3.0									
4.0								4.0'	
	2		3.5	2.2	Brn, F. Sand, moist				
5.0									
6.0					wet @ 6.0'				
7.0									
8.0									
	3		4.0	2.2	same as above			8.7'	
9.0									
				2.8	Brn, Silt and Clay, trace f. sand, wet				Soil sample MW-120B at 8' to 12'
10.0									
11.0									
12.0								12.0'	
	4		4.0	0.0	Brn, F. Sand and Silt (interbedded), wet				
13.0									
14.0									
15.0									
16.0								16.0'	
					Boring terminated at 16'				
17.0					Monitoring well set at 14' BG. Well screen 4' to 14', sand pack 2.7' to 14', bentonite seal 1.2' to 2.7', grout 0' to 1.2', flush mount casing				
18.0									

Table 3
July 2005 - August 2008 Soil Sample Analytical Summary - VOCs
Former Monarch Chemicals Facility
61 Gates Avenue, Geneva, Ontario County, New York
VCP No. V00119-8

Analyte	375-6.8(b) Unrestricted	375-6.8(b) Restricted Residential	375-6.8(b) Restricted Industrial	375-6.8(b) Protective of GW	MW-114	MW-114	MW-115	MW-115	MW-116	MW-116	MW-117
Depth (ft bgs)					2 - 4	8 - 12	1 - 4	8 - 12	2 - 4	8 - 14	6 - 10
Sample Date					Jul-05	Jul-05	Jul-05	Jul-05	Jul-05	Jul-05	Jul-05
Vinyl chloride	20	900	2,700	20	ND	ND	ND	ND	**3 J**	ND	ND
Chloroethane					ND	ND	ND	ND	**2 J**	ND	ND
Methylene chloride	50	100,000	1,000,000	50	**7 J**	**7 J**	ND	ND	ND	ND	ND
Acetone	50	100,000	1,000,000	50	ND	ND	ND	**3 J**	**70**	**5 J**	**15**
Carbon disulfide					ND	ND	ND	ND	**4 J**	ND	ND
1,1-Dichloroethene	330	100,000	1,000,000	330	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	270	26,000	480,000	270	ND	ND	ND	ND	ND	ND	ND
Chloroform	370	49,000	700,000	370	ND	ND	ND	ND	ND	ND	ND
2-Butanone	120	100,000	1,000,000	120	ND	ND	ND	ND	**12**	ND	ND
1,1,1-Trichloroethane	680	100,000	1,000,000	680	**6 J**	ND	ND	ND	**7 J**	**1 J**	ND
Trichloroethene	470	21,000	400,000	470	**160**	**5 J**	ND	ND	ND	ND	ND
Benzene	60	4,800	89,000	60	ND	ND	ND	ND	**16**	ND	ND
Tetrachloroethene	1300	19,000	300,000	1,300	**51**	**8 J**	ND	**1 J**	**8 J**	**66**	**1 J**
Toluene	700	100,000	1,000,000	700	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	1000	41,000	780,000	1,000	ND	ND	ND	ND	**9 J**	ND	**170**
Styrene					ND	ND	ND	ND	**3 J**	ND	ND
Xylene (total)	260	100,000	1,000,000	1,600	ND	ND	ND	ND	**22**	ND	**200**
cis-1,2-Dichloroethene	250	100,000	1,000,000	250	ND	ND	ND	ND	**53**	**2 J**	ND
trans-1,2-Dichloroethene	190	100,000	1,000,000	190	**2 J**	ND	ND	ND	**4 J**	ND	ND
Dichlorodifluoromethane					ND	ND	ND	ND	**4 J**	ND	**2 J**
Cyclohexane					ND	ND	ND	ND	ND	ND	**23**
Methylcyclohexane					ND	ND	ND	ND	ND	ND	**120**
Isopropylbenzene					ND	ND	ND	ND	**2 J**	ND	**200**
				Total VOCs	**226**	**20**	**0**	**4**	**219**	**74**	**731**

Notes:
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= no standard

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Table 3
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Former Monarch Chemicals Facility
61 Gates Avenue, Geneva, Ontario County, New York
VCP No. V00119-8

Analyte	375-6.8(b) Unrestricted	375-6.8(b) Restricted Residential	375-6.8(b) Restricted Industrial	375-6.8(b) Protective of GW	MW-117	MW-118	MW-118	MW-119	MW-119	MW-120	MW-120
Depth (ft bgs)					12 - 16	2 - 4	6 - 11	2 - 4	8 - 12	2 - 4	8 - 12
Sample Date					Jul-05	Jul-05	Jul-05	Jul-05	Jul-05	Jul-05	Jul-05
Vinyl chloride	20	900	2,700	20	ND	ND	ND	ND	ND	ND	ND
Chloroethane					ND	ND	ND	ND	ND	ND	ND
Methylene chloride	50	100,000	1,000,000	50	ND	ND	ND	ND	ND	ND	ND
Acetone	50	100,000	1,000,000	50	**7 J**	**4 J**	**8 J**	**5 J**	**6 J**	**50**	**7 J**
Carbon disulfide					ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	330	100,000	1,000,000	330	**100**	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	270	26,000	480,000	270	**93**	**4 J**	ND	**5 J**	ND	**4 J**	ND
Chloroform	370	49,000	700,000	370	ND	**1 J**	ND	ND	ND	ND	ND
2-Butanone	120	100,000	1,000,000	120	ND	ND	ND	ND	ND	**14**	ND
1,1,1-Trichloroethane	680	100,000	1,000,000	680	ND	**44**	ND	**18**	ND	ND	ND
Trichloroethene	470	21,000	400,000	470	ND	ND	ND	**180**	ND	ND	ND
Benzene	60	4,800	89,000	60	**1 J**	ND	ND	ND	ND	ND	ND
Tetrachloroethene	1300	19,000	300,000	1,300	ND	**75**	**8 J**	**18**	**5 J**	ND	**1 J**
Toluene	700	100,000	1,000,000	700	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	1000	41,000	780,000	1,000	ND	ND	ND	ND	ND	ND	ND
Styrene					ND	ND	ND	ND	ND	ND	ND
Xylene (total)	260	100,000	1,000,000	1,600	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	250	100,000	1,000,000	250	**8 J**	**4 J**	**8 J**	**26**	**2 J**	ND	**1 J**
trans-1,2-Dichloroethene	190	100,000	1,000,000	190	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane					ND	**2 J**	ND	**2 J**	ND	ND	ND
Cyclohexane					ND	ND	ND	ND	ND	ND	ND
Methylcyclohexane					ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene					**2 J**	ND	ND	ND	ND	ND	ND
				Total VOCs	**211**	**134**	**24**	**254**	**13**	**68**	**9**

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Table 3
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Former Monarch Chemicals Facility
61 Gates Avenue, Geneva, Ontario County, New York
VCP No. V00119-8

Analyte	375-6.8(b) Unrestricted	375-6.8(b) Restricted Residential	375-6.8(b) Restricted Industrial	375-6.8(b) Protective of GW	MW-121	MW-121	MW-122	MW-122	MW-123	MW-123
Depth (ft bgs)					2 - 4	8 - 12	2 - 4	8 - 12	8 - 12	12 - 16
Sample Date					Jul-05	Jul-05	Jul-05	Jul-05	Jul-05	Jul-05
Vinyl chloride	20	900	2,700	20	ND	ND	ND	ND	ND	ND
Chloroethane					ND	ND	ND	ND	ND	ND
Methylene chloride	50	100,000	1,000,000	50	ND	**8 J**	**11 J**	**12**	**6 J**	**5 J**
Acetone	50	100,000	1,000,000	50	ND	ND	ND	**4 J**	ND	ND
Carbon disulfide					ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	330	100,000	1,000,000	330	ND	ND	ND	ND	**35**	**21**
1,1-Dichloroethane	270	26,000	480,000	270	ND	**2 J**	ND	ND	**160**	**140**
Chloroform	370	49,000	700,000	370	ND	ND	ND	ND	ND	ND
2-Butanone	120	100,000	1,000,000	120	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	680	100,000	1,000,000	680	ND	ND	ND	ND	ND	ND
Trichloroethene	470	21,000	400,000	470	ND	**3 J**	ND	ND	**5 J**	ND
Benzene	60	4,800	89,000	60	ND	ND	ND	ND	ND	ND
Tetrachloroethene	1300	19,000	300,000	1,300	ND	ND	ND	ND	**17**	**3 J**
Toluene	700	100,000	1,000,000	700	ND	ND	ND	ND	ND	ND
Ethylbenzene	1000	41,000	780,000	1,000	ND	ND	ND	ND	ND	ND
Styrene					ND	ND	ND	ND	ND	ND
Xylene (total)	260	100,000	1,000,000	1,600	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	250	100,000	1,000,000	250	ND	**3 J**	ND	**2 J**	**4 J**	**1 J**
trans-1,2-Dichloroethene	190	100,000	1,000,000	190	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane					**2 J**	ND	ND	ND	ND	ND
Cyclohexane					ND	ND	ND	ND	ND	ND
Methylcyclohexane					ND	ND	ND	ND	ND	ND
Isopropylbenzene					ND	ND	ND	ND	ND	ND
				Total VOCs	**2**	**16**	**11**	**18**	**227**	**170**

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Table 3
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61 Gates Avenue, Geneva, Ontario County, New York
VCP No. V00119-8

Analyte	375-6.8(b) Unrestricted	375-6.8(b) Restricted Residential	375-6.8(b) Restricted Industrial	375-6.8(b) Protective of GW	SB-12	SB-12	SBC-16	SB-16	SB-11	SB-11
Depth (ft bgs)					4 - 8	8 - 12	2 - 4	8 - 12	2 - 4	8 - 12
Sample Date					Jul-05	Jul-05	Jul-05	Jul-05	Jul-05	Jul-05
Vinyl chloride	20	900	2,700	20	ND	ND	ND	ND	ND	ND
Chloroethane					ND	ND	ND	ND	ND	ND
Methylene chloride	50	100,000	1,000,000	50	**6 J**	**8 J**	ND	**8 J**	**8 J**	**6 J**
Acetone	50	100,000	1,000,000	50	ND	ND	ND	ND	ND	ND
Carbon disulfide					**2 J**	ND	ND	ND	ND	ND
1,1-Dichloroethene	330	100,000	1,000,000	330	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	270	26,000	480,000	270	ND	ND	ND	ND	ND	ND
Chloroform	370	49,000	700,000	370	ND	ND	ND	ND	ND	ND
2-Butanone	120	100,000	1,000,000	120	ND	**6 J**	**11 J**	ND	ND	ND
1,1,1-Trichloroethane	680	100,000	1,000,000	680	ND	ND	ND	**2 J**	ND	ND
Trichloroethene	470	21,000	400,000	470	ND	ND	ND	**2 J**	**45**	**5 J**
Benzene	60	4,800	89,000	60	ND	ND	ND	ND	ND	ND
Tetrachloroethene	1300	19,000	300,000	1,300	ND	ND	ND	**4 J**	**2 J**	ND
Toluene	700	100,000	1,000,000	700	ND	ND	ND	ND	ND	ND
Ethylbenzene	1000	41,000	780,000	1,000	ND	ND	ND	ND	ND	ND
Styrene					ND	ND	ND	ND	ND	ND
Xylene (total)	260	100,000	1,000,000	1,600	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	250	100,000	1,000,000	250	ND	ND	ND	**2 J**	ND	ND
trans-1,2-Dichloroethene	190	100,000	1,000,000	190	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane					**3 J**	ND	ND	ND	**2 J**	ND
Cyclohexane					ND	ND	ND	ND	ND	ND
Methylcyclohexane					ND	ND	ND	ND	ND	ND
Isopropylbenzene					ND	ND	ND	ND	ND	ND
				Total VOCs	**11**	**14**	**11**	**18**	**57**	**11**

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Analyte Depth (ft bgs) Sample Date	375-6.8(b) Unrestricted	375-6.8(b) Restricted Residential	375-6.8(b) Restricted Industrial	375-6.8(b) Protective of GW	MW-124s 10 -12 Aug-08	MW-124d 20 - 21 Aug-08	Units
Vinyl chloride	20	900	2,700	20	ND	ND	ug/Kg
Chloroethane					ND	ND	ug/Kg
Methylene chloride	50	100,000	1,000,000	50	**9 B**	**8 B**	ug/Kg
Acetone	50	100,000	1,000,000	50	**7**	**32**	ug/Kg
Carbon disulfide					ND	ND	ug/Kg
1,1-Dichloroethene	330	100,000	1,000,000	330	ND	ND	ug/Kg
1,1-Dichloroethane	270	26,000	480,000	270	**2 J**	ND	ug/Kg
Chloroform	370	49,000	700,000	370	ND	ND	ug/Kg
2-Butanone	120	100,000	1,000,000	120	ND	**18**	ug/Kg
1,1,1-Trichloroethane	680	100,000	1,000,000	680	ND	ND	ug/Kg
Trichloroethene	470	21,000	400,000	470	ND	ND	ug/Kg
Benzene	60	4,800	89,000	60	ND	**2 J**	ug/Kg
Tetrachloroethene	1300	19,000	300,000	1,300	ND	ND	ug/Kg
Toluene	700	100,000	1,000,000	700	ND	ND	ug/Kg
Ethylbenzene	1000	41,000	780,000	1,000	ND	**22**	ug/Kg
Styrene					ND	ND	ug/Kg
Xylene (total)	260	100,000	1,000,000	1,600	ND	**47**	ug/Kg
cis-1,2-Dichloroethene	250	100,000	1,000,000	250	**3 J**	ND	ug/Kg
trans-1,2-Dichloroethene	190	100,000	1,000,000	190	ND	ND	ug/Kg
Dichlorodifluoromethane					ND	ND	ug/Kg
Cyclohexane					ND	ND	ug/Kg
Methylcyclohexane					ND	ND	ug/Kg
Isopropylbenzene					ND	**8**	ug/Kg
				Total VOCs	**21**	**137**	

Notes:
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= no standard

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B = analyte detected in blank