# Addendum #7 to Field Sampling Plan for Part 2 of the Supplemental Groundwater Remedial Investigation Former York Naval Ordnance Plant 1425 Eden Road, Springettsbury Township York, Pennsylvania

Prepared for Harley-Davidson Motor Company Operations, Inc. March 20, 2013

## Prepared by:

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## **Building 3 Footer Drain Monitored Shut Down**

Section 4.3.5 of the Field Sampling Plan (FSP) for Part 2 of the Supplemental Groundwater Remedial Investigation (GW RI Part 2) (GSC, April 2012) describes the rationale and plan for testing the deactivation of the Building 3 Footer Drain (Figure 1). Deactivation of the Footer Drain is being considered due to low concentrations of chemicals of concern (COCs) in the groundwater and the potential that water levels may not rise sufficiently to negatively impact Building 3 if the pumping station were to be deactivated. The pumping station, designated as the Building 3 Lift Station (formerly called Softail Lift Station), receives drainage from both the Building 3 Footer Drain and the Toe Drain which collects drainage from the toe of the hill located east of Building 3. Section 4.2.8 of Supplemental Remedial Investigation Groundwater Report (Part 1) (GSC, September 2011) provides details describing the footer drain and toe drain systems and historical chemistry results. Historical chemistry results from the Building 3 Footer Drain and Toe Drain are also provided in Table 1.

The objective of this work scope is to collect data that will allow:

- 1. Characterization of the water quality and relative flows discharging from the Footer Drain and the Toe Drain;
- 2. Characterization of the change in groundwater levels under Building 3, and the observation and characterization of potential seepage as a result of turning off the Lift Station.

3. Development of recommendations regarding the need to continue to operate the Building 3 Footer Drain.

The plan for the monitored shut down can be split into four main tasks: 1) establishing the monitoring system, 2) performing baseline monitoring, 3) Lift Station deactivation and monitoring, and 4) assessment and recommendations. Specific sub-tasks for each item are described below.

## Establish the Monitoring System

A site reconnaissance was performed on February 21, 2013 to identify locations where water levels could be monitored in the Footer Drain and the Toe Drain, and to identify any areas of water seepage that could be observed throughout the duration of the test. Identified monitoring locations are shown on **Figure 1** and photographs are included in **Attachment 1**.

Based on the site reconnaissance and review of Footer Drain construction drawings, water level monitoring points were identified at the Lift Station, three Footer Drain cleanouts (FD1, FD2, FD3), and wells CW-19, MW-111, MW-112, and MW-128. Potential seepage areas were identified at spring S-3, along the toe of the hill slope at Toe Drain 1 and Toe Drain 2, and points northeast and east of Building 3, designated as Drainage Areas 1 through 3, shown on Figure 1. Seepage areas will be established using a GPS unit and photographic documentation. The observation points will be marked with a stake for reference.

## Perform Baseline Monitoring

Baseline monitoring will be conducted while the Lift Station is still operating. Baseline monitoring tasks are as follows.

- Install a weather station on Site so that precipitation data can be considered during the
  evaluation of the test. The Davis Instruments wireless Vantage Pro2 weather station will
  be located at the groundwater treatment building area and will measure precipitation,
  humidity, wind speed and direction.
- 2. Measure the flow from the Toe Drain after a period without precipitation and after a period of measurable precipitation(greater than 0.1 inches). This information will be used to support an analysis of historical records to estimate the relative proportions of flow

- from the Footer Drain and from the Toe Drain to the lift station. Flow measurements will be made several times prior to shut down and also during the test after shut down, provided that the inlet pipe to the lift station is not submerged.
- 3. Prior to deactivation of the Lift Station pump, collect a sample of the water in the Lift Station during a period when flow from the Toe Drain is not occurring or is minimal. This sample will represent water quality from the Building 3 Footer Drain and will be analyzed for volatile organic compounds (VOCs) and 1,4-Dioxane to determine if the drainage from the footer could be safely discharged to the storm water system during high water conditions.
- 4. The Toe Drain discharge will be sampled from the inlet to the Lift Station when flow is occurring. This sample will be analyzed for VOCs and 1,4-Dioxane to assess whether the water from the Toe Drain could be safely discharged to the storm water system.
- 5. Install and activate continuous water level recorders such as In-Situ Level Troll 500 in the Lift Station, wells MW-112 and MW-128 and in FD1.
- Prior to deactivation of the Lift Station pump, manually measure water levels in FD2,
   FD3, wells MW-111, and CW-19 and each of the locations containing the continuous water level recorders.
- 7. Continue baseline monitoring for two weeks, taking manual measurements and observations on a weekly basis.

### Lift Station Deactivation and Monitoring

The inlet pipe from the Toe Drain into the lift station will be capped or plugged. The Lift Station pump will be deactivated and water levels in all established stations will be measured manually on a daily basis for one week (five days), then weekly for the duration of the shutdown monitoring, estimated to be eight weeks, assuming average to above average precipitation events have occurred. Operation of the continuous recorders will be checked weekly. Inspection and photographic documentation of seepage around the lift station, Toe Drain 1, Toe Drain 2, spring S-3, Drainage Area 1, Drainage Area 2, and Drainage Area will be conducted, as well. If the observation period occurs during a period of below average rainfall, the observation period may be extended and frequency of measurements may be adjusted until the system has experienced significant rainfall.

During the monitoring period, water levels in the FD2, FD3 and well CW-19 will be compared to

the elevations of the sludge pit adjacent to CW-19 and equipment pits located in the basement of

the southern end of Building 3. If the measured water levels appear to approach the bottom of

the pits, Harley-Davidson personnel will be notified.

Assessment and Recommendations

Chemistry and water level data from the recorders, from manual measurements, and from

seepage area observations will be compiled and assessed using graphs of water level changes and

groundwater elevation contour mapping. After sufficient monitoring has been completed, a

summary assessment report and presentation will be prepared which will include

recommendations regarding the deactivation of the Building 3 Footer Drain and associated Lift

Station.

References

GSC, 2011. Supplemental Remedial Investigation Groundwater Report (Part 1) Former York

Naval Ordnance Plant, September.

GSC, 2012. Field Sampling Plan (FSP) for Part 2 of the Supplemental Groundwater Remedial

Investigation, April.

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Table 1 Groundwater Data Summary Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date	MSC Used Aquifer R	MSC Used Aquifer NR	Federal MCL	EPA RSL Tap Water	Softail 6/4/2004	Softail Lift Station 12/10/2004	Softail Lift Station 6/13/2005	Softail Lift Station 12/9/2005	Softail Lift Station 6/20/2006	Softail Lift Station 6/19/2007
Parameter	(ug/L)	(ug/L)	(ug/L)	(ug/L)						
TOTAL VOC					-				T	
					3.7	4.5	3.2	0.32	0	381.5
Volatile Organic Compound					-				T	
1,1,1,2-Tetrachloroethane	70	70		0.52						
1,1,1-Trichloroethane	200	200	200	9100	0.6 J	1 J	0.8 J	1 U	5 U	5 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	1 U	1 U	1 U	1 U	5 U	5 U
1,1,2-Trichloroethane	5	5	5	0.24	3 U	3 U	3 U	1 U	5 U	5 U
1,1,2-Trichlorofluoromethane	2000	2000		1300						
1,1,2-Trichlorotrifluoroethane	63000	170000		59000						
1,1-Dichloroethane	31	160		2.4	5 U	5 U	5 U	1 U	5 U	5 U
1,1-Dichloroethene	7	7	7	340	2 U	2 U	2 U	1 U	5 U	5 U
1,2-Dibromoethane	0.05	0.05	0.05	0.0065						
1,2-Dichloroethane	5	5	5	0.15	2 U	2 U	2 U	1 U	5 U	5 U
1,2-Dichloroethene	70	70	70	330		·		·		
1,2-Dichloropropane	5	5	5	0.39	1 U	1 U	1 U	1 U	5 U	5 U
1,3-Dichlorobenzene	600	600								
1,3-Dichloropropene	6.6	26		0.43						
1,4-Dioxane	6.4	32		0.67	1000 U	1000 U	1000 U	200 U	1000 U	380 J
2-Butanone	4000	4000		7100	5 U	5 U	5 U	5 U	5 U	5 U
2-Chloroethyl Vinyl Ether					5 U	5 U	5 U	2 U	10 U	10 U
2-Hexanone	11	44		47						
4-Methyl-2-Pentanone	2900	8200		2000						
Acetone	33000	92000		22000						
Acrolein	0.042	0.18		0.042	100 U	100 U	100 U	20 U	100 U	100 U
Acrylonitrile	0.72	3.7		0.045	50 U	50 U	50 U	20 U	100 U	100 U
Benzene	5	5	5	0.41	1 U	1 U	1 U	1 U	5 U	5 U
Bromochloromethane	90	90								
Bromodichloromethane	80	80		0.12	1 U	1 U	1 U	1 U	5 U	5 U
Bromoform	80	80		8.5	4 U	4 U	4 U	1 U	5 U	5 U
Bromomethane	10	10		8.7	5 U	5 U	5 U	1 U	5 U	5 U
Carbon Disulfide	1500	6200		1000				-		
Carbon Tetrachloride	5	5	5	0.44	2 U	2 U	2 U	1 U	5 U	5 U
Chlorobenzene	100	100	100	91	5 U	5 U	5 U	1 U	5 U	5 U
Chlorodibromomethane	80	80		0.15	5 U	5 U	5 U	1 U	5 U	5 U
Chloroethane	230	900		21000	5 U	5 U	5 U	1 U	5 U	5 U
Chloroform	80	80		0.19	5 U	5 U	5 U	1 U	5 U	5 U
Chloromethane	30	30		190	5 U	5 U	5 U	1 U	5 U	5 U
cis-1.2-Dichloroethene	70	70	70	73	5 U	5 U	5 U	1 U	5 U	5 U
cis-1,3-Dichloropropene	6.6	26		0.43	5 U	5 U	5 U	1 U	5 U	5 U
Ethylbenzene	700	700	700	1.5	4 U	4 U	4 U	1 U	5 U	5 U
Methyl tert-butyl ether	20	20	, 55	12			. 5			
Methylene chloride	5	5		4.8	3 U	3 U	3 U	1 U	5 U	5 U
Styrene	100	100	100	1600						
Tetrachloroethene	5	5	5	0.11	0.7 J	1.1	1 U	1 U	5 U	5 U
Toluene	1000	1000	1000	2300	5 U	5 U	5 U	1 U	5 U	5 U
trans-1,2-Dichloroethene	100	1000	1000	110	5 U	5 U	5 U	1 U	5 U	5 U

#### Table 1 Groundwater Data Summary Former York Naval Ordnance Plant - York, PA

Location/ID	MSC	MSC	Federal	EPA RSL	Softail	Softail Lift Station				
Sample Date	Used Aquifer R	Used Aquifer NR	MCL	Tap Water	6/4/2004	12/10/2004	6/13/2005	12/9/2005	6/20/2006	6/19/2007
Parameter	(ug/L)	(ug/L)	(ug/L)	(ug/L)						
trans-1,3-Dichloropropene	6.6	26		0.43	5 U	5 U	5 U	1 U	5 U	5 U
Trichloroethene	5	5	5	2	2.4	2.4	2.4	0.32 J	5 U	1.5 J
Vinyl Acetate	420	1800		410						
Vinyl Chloride	2	2	2	0.016	5 U	5 U	5 U	1 U	5 U	5 U
VOC Library Search										
Xylenes (Total)	10000	10000	10000	200						

Table 1 Groundwater Data Summary Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date	MSC Used Aquifer R	MSC Used Aquifer NR	Federal MCL	EPA RSL Tap Water	Softail Lift Station 12/12/2007	Softail Lift Station Deep Foundation 5/20/2008	Softail Lift Station Deep Foundation 12/16/2009
Parameter	(ug/L)	(ug/L)	(ug/L)	(ug/L)			
TOTAL VOC							
					0	5.62	0.47
Volatile Organic Compound							
1,1,1,2-Tetrachloroethane	70	70		0.52		1 U	1 U
1,1,1-Trichloroethane	200	200	200	9100	5 U	0.71 J	1 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	5 U	1 U	1 U
1,1,2-Trichloroethane	5	5	5	0.24	5 U	0.17 J	1 U
1,1,2-Trichlorofluoromethane	2000	2000		1300			
1,1,2-Trichlorotrifluoroethane	63000	170000		59000			
1,1-Dichloroethane	31	160		2.4	5 U	1 U	1 U
1,1-Dichloroethene	7	7	7	340	5 U	0.56 J	1 U
1,2-Dibromoethane	0.05	0.05	0.05	0.0065		1 U	1 U
1,2-Dichloroethane	5	5	5	0.15	5 U	1 U	1 U
1,2-Dichloroethene	70	70	70	330			
1,2-Dichloropropane	5	5	5	0.39	5 U	1 U	1 U
1,3-Dichlorobenzene	600	600					
1,3-Dichloropropene	6.6	26		0.43			
1,4-Dioxane	6.4	32		0.67	1000 U	200 U	200 U
2-Butanone	4000	4000		7100	5 U	10 U	10 U
2-Chloroethyl Vinyl Ether					10 U		
2-Hexanone	11	44		47		10 U	10 U
4-Methyl-2-Pentanone	2900	8200		2000		10 U	10 U
Acetone	33000	92000		22000		2.7 J	10 U
Acrolein	0.042	0.18		0.042	100 U		
Acrylonitrile	0.72	3.7		0.045	100 U	20 U	20 U
Benzene	5	5	5	0.41	5 U	1 U	1 U
Bromochloromethane	90	90				1 U	1 U
Bromodichloromethane	80	80		0.12	5 U	1 U	1 U
Bromoform	80	80		8.5	5 U	1 U	1 U
Bromomethane	10	10		8.7	5 U	1 U	1 U
Carbon Disulfide	1500	6200		1000		1 U	1 U
Carbon Tetrachloride	5	5	5	0.44	5 U	1 U	1 U
Chlorobenzene	100	100	100	91	5 U	1 U	1 U
Chlorodibromomethane	80	80		0.15	5 U	1 U	1 U
Chloroethane	230	900		21000	5 U	1 U	1 U
Chloroform	80	80		0.19	5 U	1 U	1 U
Chloromethane	30	30		190	5 U	1U	1 U
cis-1,2-Dichloroethene	70	70	70	73	5 U	1U	1 U
cis-1,3-Dichloropropene	6.6	26	,,	0.43	5 U	1U	1 U
Ethylbenzene	700	700	700	1.5	5 U	1U	1 U
Methyl tert-butyl ether	20	20	700	1.3	3.0	1U	1 U
Methylene chloride	5	5		4.8	5 U	1U	1 U
Styrene	100	100	100	1600	3.0	1 U	1 U
Tetrachloroethene	5	5	5	0.11	5 U	0.28 J	1 U
Toluene	1000	1000	1000	2300	5 U	1 U	1 U
trans-1,2-Dichloroethene	1000	1000	1000	110	5 U	1 U	1 U

#### Table 1 Groundwater Data Summary Former York Naval Ordnance Plant - York, PA

Location/ID	MSC	MSC	Federal	EPA RSL	Softail Lift Station	Softail Lift Station Deep Foundation	Softail Lift Station Deep Foundation
Sample Date	Used Aquifer R	Used Aquifer NR	MCL	Tap Water	12/12/2007	5/20/2008	12/16/2009
Parameter	(ug/L)	(ug/L)	(ug/L)	(ug/L)			
trans-1,3-Dichloropropene	6.6	26		0.43	5 U	1 U	1 U
Trichloroethene	5	5	5	2	5 U	1.2	0.47 J
Vinyl Acetate	420	1800		410			
Vinyl Chloride	2	2	2	0.016	5 U	1 U	1 U
VOC Library Search							
Xylenes (Total)	10000	10000	10000	200		3 U	3 U

Table 1 Groundwater Data Summary Former York Naval Ordnance Plant - York, PA

MSC Used Aquifer R	MSC Used Aquifer NR	Federal MCL	EPA RSL Tap Water	Softail Lift Station Deep Foundation 6/28/2011	Softail Lift Station Deep Foundation 12/10/2012	Softail Lift Station Toe of Slope 5/20/2008
(ug/L)	(ug/L)	(ug/L)	(ug/L)			
				T		
				1.95	0.5	9.15
70	70		0.52	4.11	4.11	1 U
		200				0.77 J
		200				0.77J 1 U
		Е				0.22 J
	-	3		10	10	0.22 J
				111	111	1 U
		7				0.56 J
•	<u> </u>					1 U
						1 U
				10	10	10
				111	111	1 U
		5	0.39	10	10	10
			0.42			
				200 11	200 11	200 U
4000	4000		7100	5.0	5.0	10 U
11	4.4		47	5.11	5.11	10.11
						10 U 10 U
						10 U
				5.0	5.0	10 0
				2011	2011	20.11
						20 U 0.81 J
		5	0.41			
			0.12			1 U 1 U
				-		1 U
						1 U
						1 U
						1 U
		_				1 U
		100				1 U
						1 U
				-	-	1 U
						1 U
		70		-	-	0.92 J
-		70			_	0.92 J 1 U
		700			_	1 U
		700		-	-	0.4 J
-					-	1 U
-	-	100			_	1 U
						2.1
			_			
1000	1000	1000	2300 110	1 U	1 U 1 U	1 U 1 U
	Vised Aquifer R (ug/L)	(ug/L)         (ug/L)           70         70           200         200           0.84         4.3           5         5           2000         2000           63000         170000           31         160           7         7           0.05         0.05           5         5           70         70           5         5           600         600           6.6         26           6.4         32           4000         4000           11         44           2900         8200           33000         92000           0.042         0.18           0.72         3.7           5         5           90         90           80         80           80         80           80         80           80         80           80         80           80         80           80         80           80         80           80         80           80         80	(ug/L)         (ug/L)         (ug/L)           70         70         200         200           0.84         4.3         5         5         5           2000         2000         2000         63000         170000         31         160         7         7         7         7         7         7         7         7         7         7         7         70         0.05         0.05         5         5         5         5         70	(ug/L)         (ug/L)         (ug/L)         (ug/L)           70         70         0.52           200         200         200         9100           0.84         4.3         0.067           5         5         5         0.24           2000         2000         1300         63000         170000         59000           31         160         2.4         7         7         7 340         0.05         0.055         0.005         0.0065         5         5         0.15         70         70         30         330         5         5         5         5         0.39         600         6.6         6.6         26         0.43         6.4         32         0.67         7100	(ug/L)         (ug/L)         (ug/L)         (ug/L)           70         70         0.52         1U           200         200         200         9100         1U           0.84         4.3         0.067         1U           5         5         5         5         0.24         1U           2000         2000         1300         10         10         63000         170000         59000         10         31         10         10         10         10         2.4         1U         10         10         7         7         7         7         340         1U         10	(ug/L)         (ug/L)         (ug/L)         (ug/L)         (ug/L)           70         70         0.52         1 U         1U           200         200         200         9100         1 U         1 U           5         5         5         5         0.24         1 U         1 U           5         5         5         5         0.24         1 U         1 U           2000         2000         1300         0         0         0         0           63000         170000         59000         0 </td

#### Table 1 Groundwater Data Summary Former York Naval Ordnance Plant - York, PA

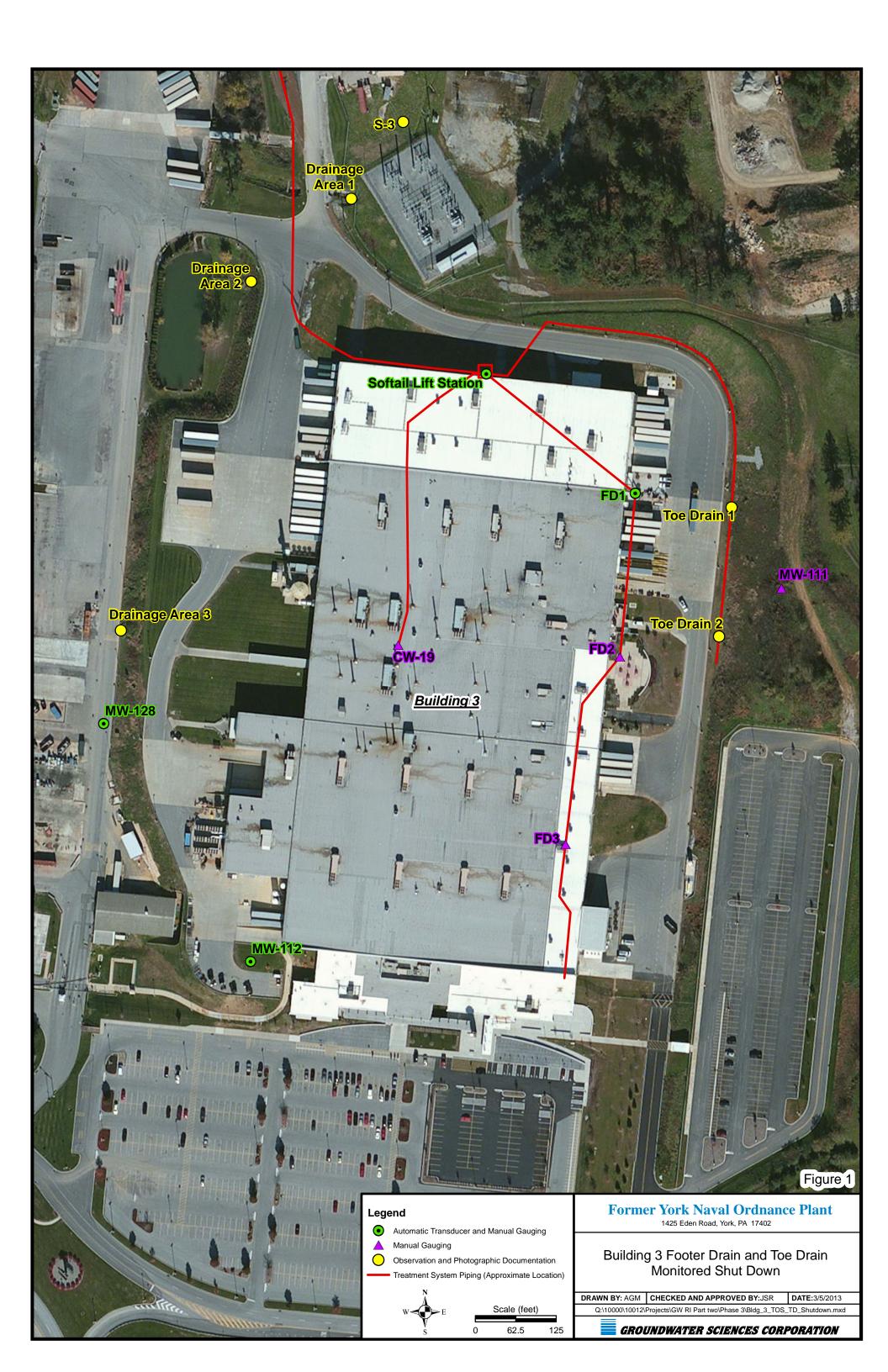
Location/ID	MSC	MSC	Federal	EPA RSL	Softail Lift Station Deep Foundation	Softail Lift Station Deep Foundation	Softail Lift Station Toe of Slope
Sample Date	Used Aquifer R	Used Aquifer NR	MCL	Tap Water	6/28/2011	12/10/2012	5/20/2008
Parameter	(ug/L)	(ug/L)	(ug/L)	(ug/L)			
trans-1,3-Dichloropropene	6.6	26		0.43	1 U	1 U	1 U
Trichloroethene	5	5	5	2	0.89 J	0.5 J	3.1
Vinyl Acetate	420	1800		410			
Vinyl Chloride	2	2	2	0.016	1 U	1 U	1 U
VOC Library Search							
Xylenes (Total)	10000	10000	10000	200	3 U	3 U	0.27 J

Table 1 Groundwater Data Summary Former York Naval Ordnance Plant - York, PA

Location/ID Sample Date	MSC Used Aquifer R	MSC Used Aquifer NR	Federal MCL	EPA RSL Tap Water	Softail Lift Station Toe of Slope 12/16/2009	Softail Lift Station Toe of Slope 6/28/2011	Lift Station Toe of Slope 1/3/2013
Parameter	(ug/L)	(ug/L)	(ug/L)	(ug/L)			
TOTAL VOC							
					0.53	8.39	4.46
Volatile Organic Compound							
1,1,1,2-Tetrachloroethane	70	70		0.52	1 U	1 U	1 U
1,1,1-Trichloroethane	200	200	200	9100	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.067	1 U	1 U	1 U
1,1,2-Trichloroethane	5	5	5	0.24	1 U	1 U	1 U
1,1,2-Trichlorofluoromethane	2000	2000		1300			
1,1,2-Trichlorotrifluoroethane	63000	170000		59000			
1,1-Dichloroethane	31	160		2.4	1 U	1 U	1 U
1,1-Dichloroethene	7	7	7	340	1 U	1 U	1 U
1,2-Dibromoethane	0.05	0.05	0.05	0.0065	1 U	1 U	1 U
1,2-Dichloroethane	5	5	5	0.15	1 U	1 U	1 U
1,2-Dichloroethene	70	70	70	330			
1,2-Dichloropropane	5	5	5	0.39	1 U	1 U	1 U
1,3-Dichlorobenzene	600	600					
1,3-Dichloropropene	6.6	26		0.43			
1,4-Dioxane	6.4	32		0.67	200 U	200 U	200 U
2-Butanone	4000	4000		7100	10 U	5 U	5 U
2-Chloroethyl Vinyl Ether							
2-Hexanone	11	44		47	10 U	5 U	5 U
4-Methyl-2-Pentanone	2900	8200		2000	10 U	5 U	5 U
Acetone	33000	92000		22000	10 U	6.8	4.2 J
Acrolein	0.042	0.18		0.042			
Acrylonitrile	0.72	3.7		0.045	20 U	20 U	20 U
Benzene	5	5	5	0.41	1 U	1 U	1 U
Bromochloromethane	90	90			1 U	1 U	1 U
Bromodichloromethane	80	80		0.12	1 U	1 U	1 U
Bromoform	80	80		8.5	1 U	1 U	1 U
Bromomethane	10	10		8.7	1 U	1 U	1 U
Carbon Disulfide	1500	6200		1000	1 U	1 U	1 U
Carbon Tetrachloride	5	5	5	0.44	1 U	1 U	1 U
Chlorobenzene	100	100	100	91	1 U	1 U	1 U
Chlorodibromomethane	80	80		0.15	1 U	1 U	1 U
Chloroethane	230	900		21000	1 U	1 U	1 U
Chloroform	80	80		0.19	1 U	1 U	1 U
Chloromethane	30	30		190	1 U	1 U	1 U
cis-1,2-Dichloroethene	70	70	70	73	1 U	1 U	1 U
cis-1,3-Dichloropropene	6.6	26		0.43	1 U	1 U	1 U
Ethylbenzene	700	700	700	1.5	1 U	1 U	1 U
Methyl tert-butyl ether	20	20		12	1 U	1 U	1 U
Methylene chloride	5	5		4.8	1 U	1 U	1 U
Styrene	100	100	100	1600	1 U	1 U	1 U
Tetrachloroethene	5	5	5	0.11	1 U	0.18 J	1 U
Toluene	1000	1000	1000	2300	1 U	0.21 J	1 U
trans-1,2-Dichloroethene	100	100	100	110	1 U	1 U	1 U

Table 1 Groundwater Data Summary Former York Naval Ordnance Plant - York, PA

Location/ID		MSC	Federal	EPA RSL	Softail Lift Station Toe of Slope	Softail Lift Station Toe of Slope	Lift Station Toe of Slope
Sample Date	•	Used Aquifer NR	MCL	Tap Water	12/16/2009	6/28/2011	1/3/2013
Parameter	(ug/L)	(ug/L)	(ug/L)	(ug/L)			
trans-1,3-Dichloropropene	6.6	26		0.43	1 U	1 U	1 U
Trichloroethene	5	5	5	2	0.53 J	1.2	0.26 J
Vinyl Acetate	420	1800		410			
Vinyl Chloride	2	2	2	0.016	1 U	1 U	1 U
VOC Library Search							
Xylenes (Total)	10000	10000	10000	200	3 U	3 U	3 U



## Attachment 1

To

Addendum 7
Field Sampling Plan for Part 2 of the
Supplemental Groundwater Investigation
Former York Naval Ordnance Plant
1425 Eden Road, Springettsbury Township
York, Pennsylvania

Photographs of Monitoring Locations for the Building 3 Monitored Shut Down Test

# Attachment 1

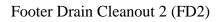




Softail Lift Station

Footer Drain Cleanout 1 (FD1)







Footer Drain Cleanout 3 (FD3)

# Attachment 1



Drainage Area 2 – Looking East



Drainage Area 3 - Looking South