Final

BUILDING 51 PIT CLOSURE REPORT
FORMER YORK NAVAL ORDNANCE PLANT

SAIC Project 166345.00.08232.6072.00

Prepared for**:**

Harley-Davidson
Motor Company Operations, Inc.
York, PA

December 2009

Science Applications International Corporation
6310 Allentown Boulevard / Harrisburg, PA 17112 / tel: 717.901.8100 / www.saic.com

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Project Manager

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1.0 INTRODUCTION AND BACKGROUND

This report describes activities associated with the closure of pits and the construction of a new entrance slab at Building 51. The Work Plan Scoping document for this investigation was approved by Harley-Davidson Motor Company Operations, Inc. (Harley-Davidson) and the York Remediation Trust Fund on January 16, 2008. The closure activities were conducted in accordance with the scope of work in Science Applications International Corporation (SAIC) proposal number 01-1633-71-2009-175, dated August 14, 2008. Photographs of the pit closure activities are included in Appendix A.

Harley-Davidson entered into a Settlement Agreement with the Department of Defense and the Department of the Navy (as facilitated by the United States Army Corps of Engineers [USACE]) on January 24, 1995. That agreement established a cost sharing arrangement between Harley-Davidson, as the present site owner, and the United States, as the past owner, for costs incurred in response to environmental contamination at the facility. A Trust Fund was established to handle the cost sharing of those response actions. All environmental response actions must be completed in accordance with federal methods. This scope of work and proposal were approved by Harley-Davidson and the York Remediation Trust Fund on September 8, 2008.

Building 51 is located in the northwestern part of the Harley-Davidson York facility, north of Building 57 and Building 42 (see Figure 1). Building 51 is currently used as a less-than-90-day satellite hazardous waste storage area. The waste storage areas inside the building are underlain by macadam and surrounded by a six-inch macadam berm. The three concrete pits located at the southern end of Building 51, that are the subject of this closure report, were not associated with current and past waste activities in the building but were assumed to be related to previous building underground utilities (former steam and electric lines). In order to confirm that the pits had not experienced spills from past use of Building 51 and potentially served as a release point to the environment, water and soil characterization activities were completed. These pits were in close proximity to the current hazardous waste activities and have been closed in accordance with accepted environmental practices used for hazardous waste facilities.

The first pit (Pit #1) was located inside the southeastern corner of Building 51. Pit #1 was separated from the remainder of the building by a six-inch-high berm. Pit #1, approximately 4 feet wide x 5½ feet long x 6½ feet deep, was constructed of concrete and covered by a metal lid. A smaller recessed sump was located in the eastern half of the bottom of Pit #1. A small channel containing a two-inch-diameter steel pipe that connected Pit #1 to the second pit (Pit #2) was located outside the southeast corner of the building (see photographs in Appendix A).

The dimensions and construction of Pit #2 were similar to those of Pit #1, and Pit #2 was also covered by a metal lid. Another recessed sump was observed in the bottom of the southern end of Pit #2. A three-inch metallic pipe trending southeast and a two-inch metallic conduit trending northeast were observed at the bottom of Pit #2 (see photographs in Appendix A). SAIC used utility locating methods to trace the three-inch conduit near a storm drain approximately 40 feet to the southeast, where the signal strength diminished. Review of a 1947 Naval Ordnance Plant drawing entitled "Steam Conduit, Bldg #43 to supply Storehouses" showed a buried steam line trending from the southeast corner of Building 51 to the southwest corner of Building 43. Both buildings currently receive steam from overhead conduits. Based on the above observation, the three-inch conduit is assumed to be an abandoned steam line and condensate return. Hence, the use of Pit #1 and Pit #2 was assumed to be for a former steam utility pit for Building 51. Utility locating methods were unsuccessful in determining the origin of the two-inch metallic pipe trending to the northeast from Pit #2. The pipe was empty, and its former use is unknown. Sections 2.0 and 3.0 provide detail on piping removal and capping.

The third pit (Pit #3) was a small concrete electrical utility pit located inside the southwest corner of Building 51, covered with a metal lid. The dimensions of Pit #3 were approximately 18 inches square by 18 inches deep. The pit contained an empty two-inch metallic pipe (see photographs in Appendix A). SAIC used utility locating methods to trace the conduit for approximately 20 feet to the west to a square asphalt patch where the locating signal was lost. The asphalt patch is assumed to be the location of a previously closed electrical pit where the conduit terminated at a former adjacent building (former Building 52).

2.0 WATER SAMPLING AND PIT CLEANING

During the preliminary investigation of the pits at Building 51, water was observed in each of the three pits. According to Harley-Davidson employees, the pits were never used as spill containment units, and the origin of the water is assumed to be from rainwater. Prior to cleaning activities, SAIC collected water samples from the pits for waste characterization. The water samples were analyzed for priority pollutant volatile organic compounds (VOCs), priority pollutant semi-volatile organic compounds (SVOCs), priority pollutant metals (including hexavalent chromium), and total and free cyanide. Acetone (a common laboratory contaminant) was detected at an estimated concentration of 2.9 micrograms per liter (µg/L) in the sample collected from Pit #1. No other VOCs or SVOCs were detected in any of the water samples. Low concentrations of certain metals were detected in all samples. Because the water samples contained detectable concentrations of metals, it was determined that water removed during cleaning activities would need to be containerized and transferred to the Building 41 wastewater treatment plant (WWTP) for treatment.

In March 2008, SAIC's subcontractor (Stewart & Tate) began pit cleaning activities at Building 51. Pit cleaning and subsequent closure activities were performed in accordance with confined space entry protocol. Details regarding the procedures utilized were outlined in a site-specific health and safety plan. All work was completed safely and without incident. Standing water in Pit #1 and Pit #2 was removed with a sump pump, containerized, and transferred to the on-site WWTP for treatment and disposal. The two-inch-diameter steel pipe that connected Pit #1 to Pit #2, the three-inch metallic conduit trending southeast from Pit #2, and a two-inch metallic conduit trending northeast from Pit #2 were all cut and removed.

Residual sediment and debris were removed from the walls and bottoms of Pit #1 and Pit #2 using a power washer and manual cleaning methods. Cleaning fluids were disposed of by processing through the on-site wastewater treatment plant. All sediment and debris were containerized in a 55-gallon drum, and the drummed waste was subsequently characterized for disposal purposes. The drummed waste was sampled and analyzed for Toxicity Characteristic Leaching Procedure (TCLP) metals, total metals, pH, total and free cyanide, TCLP VOCs, and

total VOCs. Based on the analytical results, the material was transported off-site for disposal as nonhazardous waste (see Appendix B). After the sediment and debris were removed, the concrete surfaces of Pit #1 and Pit #2 were rinsed, and the rinse water was removed and containerized for disposal at the on-site WWTP.

3.0 PIT CLOSURE ACTIVITIES

Pit closures at Building 51 were completed by Stewart & Tate in December 2008 and January 2009. Standing water was removed from the pits with a sump pump into a container and transferred to the WWTP.

At Pit #1, the pipe chase that led south from Pit #1 to Pit #2 was plugged with concrete. The pit was then closed in place with crushed stone to approximately four inches below floor grade. Concrete was placed on top of the crushed stone and finished flush with the floor (see photographs in Appendix A).

The exterior pit on the southeast corner of Building 51 (Pit #2) had two openings at the bottom where formerly used pipes once entered the pits. These were possible release points to the environment. For this reason, the exterior pit was cleaned out and then demolished and excavated in order to collect subsurface soil samples beneath the pit. At Pit #2, a saw was used to cut through the asphalt around the perimeter of the concrete pit. The saw was also used to cut the east and west walls of the pit away from the building foundation. Soil was excavated using a backhoe three feet beyond the west, south, and east sides to a depth slightly below the bottom of the pit (excavation to the north was prevented by the building). The three-inch steam line exiting the southeast corner of the pit was cut on the exterior side of the pit and plugged with concrete. The pit was then demolished using a backhoe bucket and a hydraulic hammer attachment. Additional soil was then excavated three feet below the pit, making the total depth of the excavation nine feet below grade level. Visual and photoionization detector (PID) screening of excavated soil did not indicate evidence of contamination within the excavation. All excavated material was staged on plastic pending disposal. Post-excavation soil samples were then collected from the bottom of the excavation (see Section 4.0), and a temporary safety/security fence was installed around the excavation.

Pit #3 was closed by removing the water and the two-inch metallic conduit, filling the pit with crushed stone to approximately four inches below floor grade, and placing concrete on top of the stone (see Appendix A photographs).

4.0 POST-EXCAVATION SOIL SAMPLING AT PIT #2

Eight soil samples plus one duplicate sample were collected using a hand auger from the bottom of the excavation at Pit #2. The samples were designated B51-TP1A through B51-TP1H. Each sample location is shown on Figure 2.

All soil samples were screened in the field for the presence of VOCs using a PID. Upon retrieving soil from the subsurface, the soil core was split open, and the presence of VOCs was evaluated by placing the PID inlet inside of the soil core. Samples intended for laboratory analysis were placed into laboratory-supplied glassware immediately following field screening procedures. The samples were kept on ice in preparation for shipment to the analytical laboratory.

The laboratory samples were submitted to TestAmerica Laboratories, Inc. (TestAmerica) for analysis of VOCs, SVOCs, total metals, hexavalent chromium, and total and free cyanide. Analytical data received from TestAmerica are handled in accordance with SAIC's Quality Assurance Project Plan (QAPP, July 2009). Laboratory data packages are verified at SAIC and evaluated for completeness, technical holding times, blanks, duplicates, laboratory control samples, matrix spike samples, surrogates, and calibration to standards. Electronic data deliverables from the laboratory are entered into the former York Naval Ordnance Plant (fYNOP) data base which is stored in the ARC IMS system and checked for completeness against the chain-of-custody record. Electronic analytical data are stored on an SAIC server, as well as at the laboratory. Laboratory records are retained at TestAmerica for a period of five years after the report is issued.

Upon receipt of the laboratory analytical data package from TestAmerica, the results were tabulated and compared to Pennsylvania Department of Environmental Protection's (DEP) nonresidential medium-specific concentrations (MSCs) for soils for the direct contact and soil-to-groundwater pathways (Table 1). None of the compounds were detected above the MSCs for any of the soil samples. Various metals were detected at concentrations that are typical for soils. Several chemicals including 1,2,4-trichlorobenzene, diethyl phthalate, di-n-octylphthalate,

fluoranthene, phenanthrene, chlorobenzene, and methylene chloride were detected in one or more of the soil samples at low concentrations. The concentrations of many of these detected organic compounds were below the lower quantitation limit (i.e., an estimated concentration), which indicates probable presence but at concentrations far below the MSC.

Based on the results of the post-excavation soil sampling, no additional soil was removed from the excavation at Pit #2. The excavation was backfilled with a combination of the staged soil and crushed stone. The remaining soil was disposed off-site as nonhazardous waste (see Appendix B). Backfilled material was compacted with the backhoe bucket to a depth of approximately four feet below ground surface. From this point to the surface, backfilled material was compacted in one-foot lifts using a vibratory compactor. The excavation was completed at grade to match the surrounding surface conditions (see photographs in Appendix A).

5.0 ENTRANCE SLAB CONSTRUCTION

As part of the spill containment system at Building 51, the southern entranceway was equipped with an approximate four-inch raised asphalt entrance "bump" over the building's concrete slab. The bump had deteriorated and was causing rough forklift travel. A design for the excavation and construction of a new concrete pad over a portion of the bump was completed by the engineering firm, NuTec. In January 2009, Stewart & Tate removed the southern half of the bump (just inside the southern entrance of the building) and excavated subbase material and soil to approximately two feet below grade level (see photograph in Appendix A).

Eight samples were collected from the soil beneath the excavated material within the doorway repair area. The soil samples were designated B51-TP2A through B51-TP2H. Figure 2 shows the locations of these soil samples. All soil samples were scanned with a PID during sampling. The soil samples were then submitted to TestAmerica for analysis of VOCs, SVOCs, total metals, hexavalent chromium, and total and free cyanide.

The analytical results of the soil samples are summarized and compared to MSCs for soils in Table 1. None of the soil sample results had concentrations above the MSCs. Various metals were detected at concentrations that are typical for soils. Benzo(a)anthracene, butylbenzylphthalate, di-n-octylphthalate, phenanthrene, and pyrene were detected in one or more of the soil samples at low concentrations. Many of the detected concentrations were below the lower quantitation limit (i.e., an estimated concentration), which indicates probable presence but at concentrations far below the MSC.

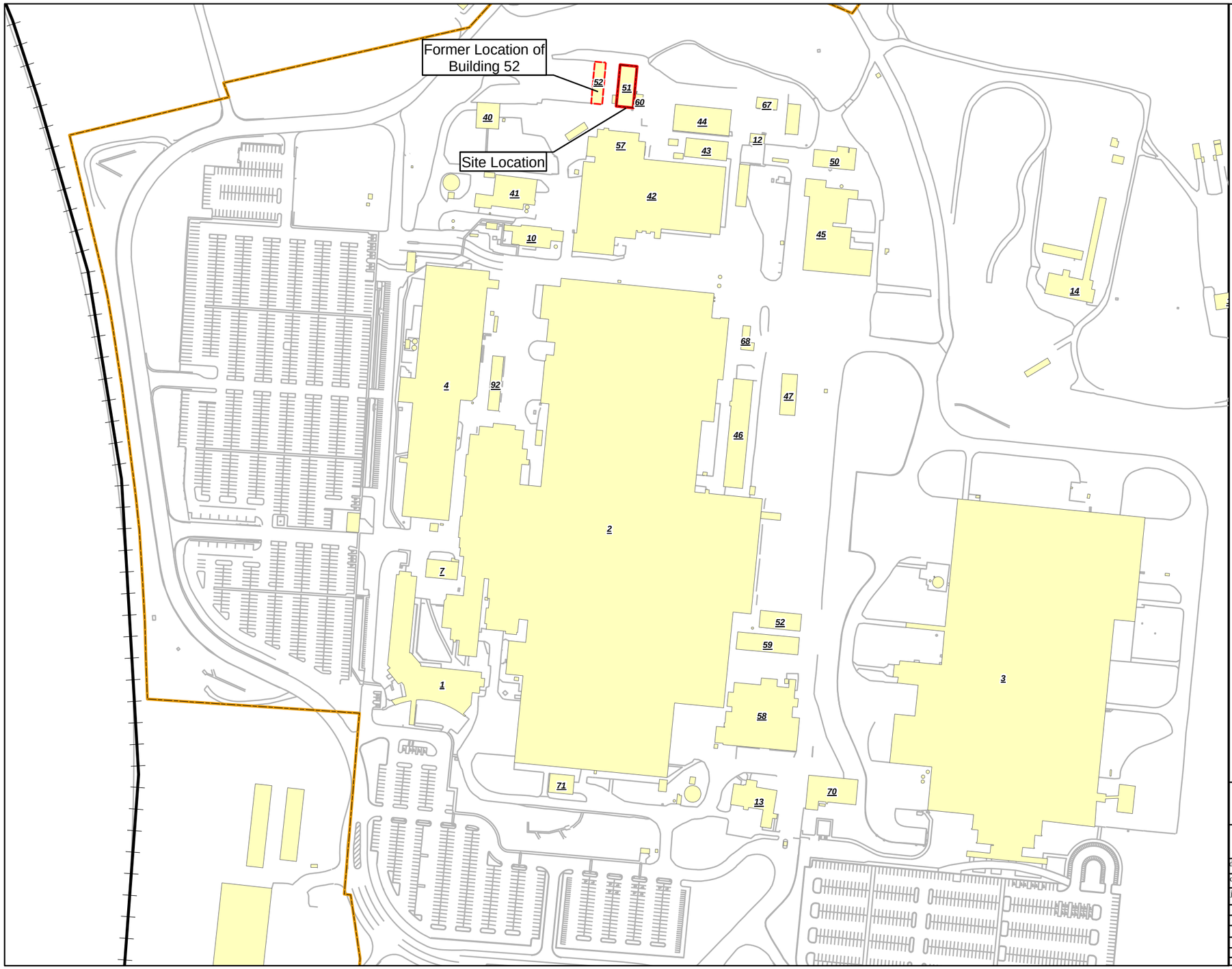
Based on the results of the post-excavation soil sampling, no additional soil was removed from the Building 51 doorway excavation area. Excavated macadam and stone from this excavation were disposed off-site as nonhazardous waste (see Appendix B). The excavation was backfilled and compacted with crushed stone. A rebar grid was placed on top of the compacted stone and finished to grade with concrete (see photographs in Appendix A).

6.0 SUMMARY AND CONCLUSION

One small electrical pit in the southwest corner of Building 51 (Pit #1) and two larger concrete pits at the southeast corner of Building 51 (Pit #2 and Pit #3) were permanently closed during December 2008 and January 2009. No evidence of a release was found in the southwest electrical pit or in the interior southeast former steam pit. Each of these two pits was cleaned out and then filled and compacted with crushed stone and finished with a concrete slab on the surface. The exterior pit (Pit #2) on the southeast corner of Building 51 had two openings at the bottom where formerly used pipes once entered the pits. These were possible release points to the environment. For this reason, the exterior pit was cleaned out and then demolished and excavated in order to collect subsurface soil samples beneath the pit. Eight soil samples taken from the excavation did not detect any soil impacts above regulatory limits when compared to the DEP Act 2 MSCs. The exterior pit (Pit #2) was then filled, compacted with clean soil and gravel, and completed to the surface with macadam to match the surrounding surface.

In January 2009, a section of the south entrance ramp to the building was excavated in order to construct a new concrete ramp. The excavated material was screened with a PID, and eight bottom-of-excavation soil samples were collected in order to determine if any impacted material was present from the former hazardous waste storage facility. The soil sample results from this excavation did not detect any soils contamination above the DEP Act 2 MSCs. Consequently, the ramp area was backfilled and compacted, and repairs were completed to the surface with reinforced concrete.

FIGURES



N
W E
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Legend

- Codorus Creek
- Railroad
- Former Location of Building 52
- Buildings
- Harley-Davidson Property Boundary
- Roads and Curb Boundary

250 125 0 250 Feet

1 inch = 250 feet

FORMER YORK NAVAL ORDNANCE PLANT
1425 EDEN ROAD, YORK, PA 17402

SITE LOCATION MAP

drawn AGM	checked RDM	approved SMS	figure no. 1
date 5/4/09	date 7/7/09	date 7/7/09	
job no. 01-1633-00-5936-518		file no. Fig_1_Site_Area.mxd	

initials	date	revision

SAIC From Science to Solutions

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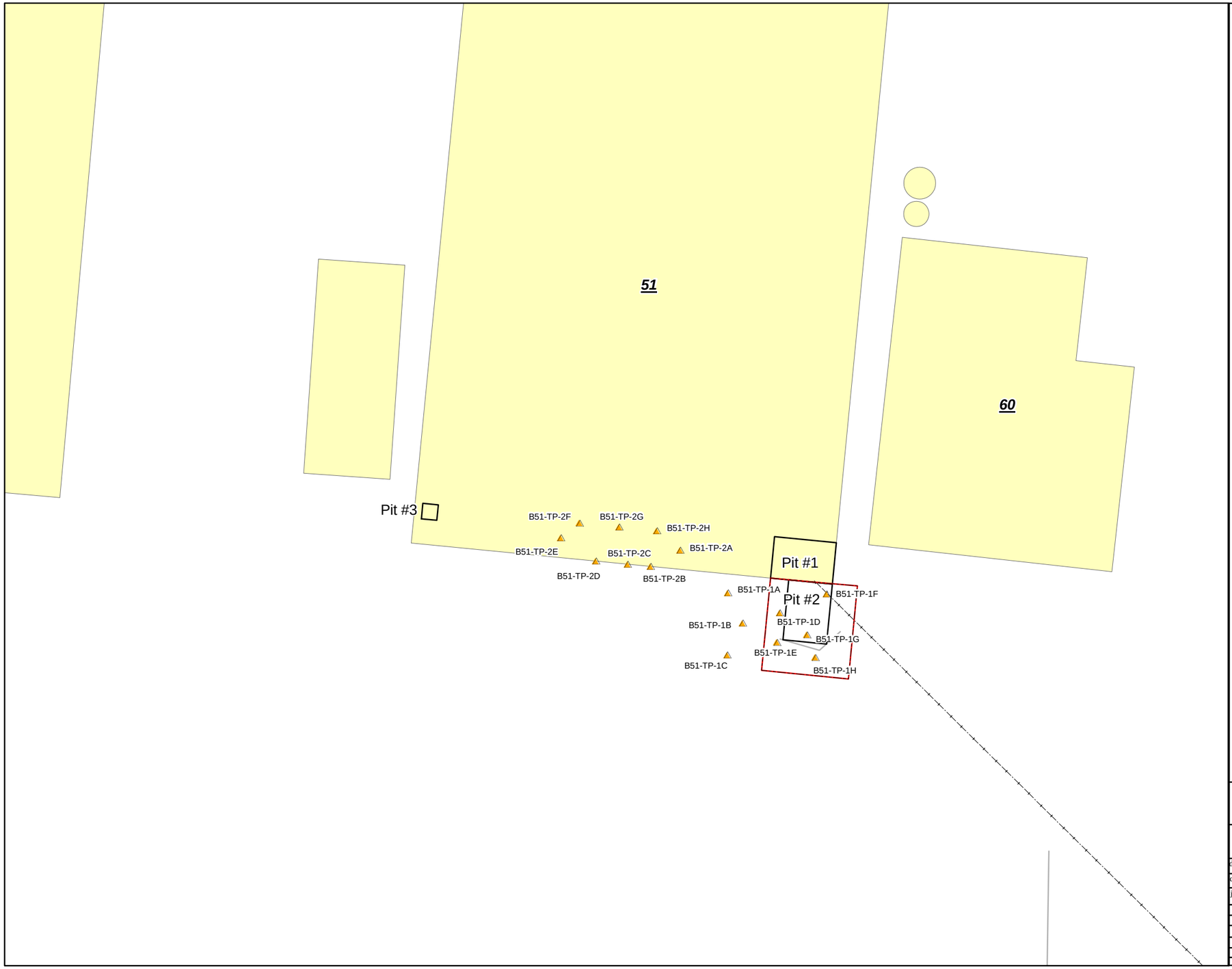

N
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Legend

- Soil Samples
- Limits of Excavation
- Former Steam Main
- Pits
- Buildings
- Roads and Curb Boundary

10 5 0 10 Feet

1 inch = 10 feet

FORMER YORK NAVAL ORDNANCE PLANT

1425 EDEN ROAD, YORK, PA 17402

Building 51 Soil Samples

drawn AGM	checked **RDM**	approved **SMS**	figure no. **2**
date 5/4/09	date **7/7/09**	date **7/7/09**	
job no. 01-1633-00-5936-518		file no. Fig_2 SMP_LOCS.mxd	

initials	date	revision

SAIC From Science to Solutions

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TABLES

Table 1
Soils Data Summary - Building 51 (B51)
Former York Naval Ordnance Plant - York, PA

Location/ID Depth (ft.) Sample Date Parameter	MSC Soil to GW Used Aquifer (mg/kg)	MSC Direct Contact 0 - 2 ft (mg/kg)	MSC Direct Contact 2 - 15 ft (mg/kg)	EPA RBC[1] Industrial Soil (mg/kg)	B51-TP-1A 9 - 9.5 12/30/2008 (mg/kg)	B51-TP-1B 9 - 9.5 12/30/2008 (mg/kg)	B51-TP-1C 9 - 9.5 12/30/2008 (mg/kg)	B51-TP-1D 9 - 9.5 12/30/2008 (mg/kg)	B51-TP-1E 9 - 9.5 12/30/2008 (mg/kg)	B51-TP-1F 9 - 9.5 12/30/2008 (mg/kg)	B51-TP-1G 9 - 9.5 12/30/2008 (mg/kg)	B51-TP-1H 9 - 9.5 12/30/2008 (mg/kg)	B51-TP-1H 9 - 9.5 12/30/2008 (mg/kg)
Cyanide, Free													
Cyanide, Free	200	56000	190000	20000	0.62 U	0.64 U	0.64 U	0.64 U	0.64 U	0.61 U	0.63 U	0.59 U	0.57 U
Cyanide, Total													
Cyanide, Total	200	56000	190000		**0.12 B**	**10.9**	0.64 U	**2**	0.64 U	**1.3**	**2.1**	0.59 U	0.57 U
Hexavalent Chromium													
Hexavalent Chromium	190	420	190000	200	**0.76**	**0.43 B**	**0.59**	**0.51**	**0.71**	**0.24 B**	**0.61**	**0.79**	**0.69**
Mercury													
Mercury	10	840	190000	24	**0.032 B J**	**0.076 J**	**0.034 B J**	**0.041 B J**	**0.045 J**	**0.038 B J**	**0.031 B J**	**0.025 B J**	**0.03 B J**
Metal													
Antimony	27	1100	190000	410	**0.1 B**	**0.16 B**	**0.058 B**	**0.06 B**	**0.055 B**	**0.055 B**	**0.11 B**	**0.13 B**	**0.15 B**
Arsenic	150	53	190000	1.6	**13 J Z**	**2 J Z**	**3.1 J Z**	**12.4 J Z**	**6.4 J Z**	**20.5 J Z**	**5.8 J Z**	**9.2 J Z**	**11.1 J Z**
Barium	8200	190000	190000	190000	**45.2 J**	**38.4 J**	**37.4 J**	**39.1 J**	**40.4 J**	**42.9 J**	**39.1 J**	**63.5 J**	**61.9 J**
Beryllium	320	5600	190000	2000	**0.53**	**0.34**	**0.44**	**0.4**	**0.51**	**0.38**	**0.59**	**0.79**	**0.8**
Cadmium	38	210	190000	800	**0.13**	**0.097 B**	**0.095 B**	**0.15**	**0.15**	**0.14**	**0.13**	**0.13**	**0.12**
Chromium				1500000	**14 J**	**12.7 J**	**11.8 J**	**9 J**	**12.1 J**	**9 J**	**15.1 J**	**14.5 J**	**17.5 J**
Copper	36000	100000	190000	41000	**7.8**	**6.1**	**5**	**5**	**4.7**	**4.5**	**6.6**	**16.5**	**13.3**
Lead	450	1000	190000	800	**12.3**	**11.5**	**11.1**	**11**	**11.7**	**10**	**11.6**	**12.4**	**13.1**
Nickel	650	56000	190000	20000	**4.4 J**	**3.5 J**	**3.7 J**	**4 J**	**4.2 J**	**3.9 J**	**4.5 J**	**4.2 J**	**3.6 J**
Selenium	26	14000	190000	5100	**1 J**	**0.73 J**	**0.73 J**	**1 J**	**0.82 J**	**0.8 J**	**1 J**	**0.62 J**	**0.77 J**
Silver	84	14000	190000	5100	0.12 U	0.13 U	0.13 U	0.13 U	0.13 U	0.12 U	0.13 U	0.12 U	0.11 U
Thallium	14	200	190000	66	**0.25 J**	**0.24 J**	**0.24 J**	**0.24 J**	**0.24 J**	**0.21 J**	**0.24 J**	**0.13 J**	**0.13 J**
Vanadium	72000	20000	190000	5200	**18.7 J**	**22.7 J**	**22.7 J**	**17.1 J**	**19.5 J**	**15.7 J**	**24.4 J**	**22.3 J**	**23.6 J**
Zinc	12000	190000	190000	310000	**10.6**	**9**	**10**	**9.7**	**10.7**	**8.8**	**10.1**	**9.4**	**7.8**
SVOC													
1,2,4-Trichlorobenzene	27	10000	10000	400	0.41 U	0.41 U	0.42 U	0.42 U	0.42 U	0.4 U	**0.015 J**	0.39 U	0.38 U
1,2-Dichlorobenzene	60	10000	10000	10000	0.41 U	0.41 U	0.42 U	0.42 U	0.42 U	0.4 U	0.41 U	0.39 U	0.38 U
1,3-Dichlorobenzene	61	10000	10000	3066	0.41 U	0.41 U	0.42 U	0.42 U	0.42 U	0.4 U	0.41 U	0.39 U	0.38 U
1,4-Dichlorobenzene	10	3300	190000	13	0.41 U	0.41 U	0.42 U	0.42 U	0.42 U	0.4 U	0.41 U	0.39 U	0.38 U
2,4,5-Trichlorophenol	6100	190000	190000	62000	0.41 U	0.41 U	0.42 U	0.42 U	0.42 U	0.4 U	0.41 U	0.39 U	0.38 U
2,4,6-Trichlorophenol	8.9	840	190000	160	0.41 U	0.41 U	0.42 U	0.42 U	0.42 U	0.4 U	0.41 U	0.39 U	0.38 U
2,4-Dichlorophenol	2	8400	190000	1800	0.41 U	0.41 U	0.42 U	0.42 U	0.42 U	0.4 U	0.41 U	0.39 U	0.38 U
2,4-Dimethylphenol	200	10000	10000	12000	0.41 U	0.41 U	0.42 U	0.42 U	0.42 U	0.4 U	0.41 U	0.39 U	0.38 U
2,4-Dinitrophenol	4.1	5600	190000	1200	2.1 U	2.1 U	2.2 U	2.2 U	2.2 U	2.1 U	2.1 U	2 U	1.9 U
2,4-Dinitrotoluene	0.84	260	190000	2044	0.41 U	0.41 U	0.42 U	0.42 U	0.42 U	0.4 U	0.41 U	0.39 U	0.38 U
2,6-Dinitrotoluene	10	2800	190000	620	0.41 U	0.41 U	0.42 U	0.42 U	0.42 U	0.4 U	0.41 U	0.39 U	0.38 U
2-Chloronaphthalene	18000	190000	190000	82000	0.41 U	0.41 U	0.42 U	0.42 U	0.42 U	0.4 U	0.41 U	0.39 U	0.38 U
2-Chlorophenol	4.4	920	1100	5100	0.41 U	0.41 U	0.42 U	0.42 U	0.42 U	0.4 U	0.41 U	0.39 U	0.38 U
2-Methylnaphthalene	8000	10000	10000	4100	0.41 U	0.41 U	0.42 U	0.42 U	0.42 U	0.4 U	0.41 U	0.39 U	0.38 U
2-Methylphenol	510	10000	10000	51100	0.41 U	0.41 U	0.42 U	0.42 U	0.42 U	0.4 U	0.41 U	0.39 U	0.38 U
2-Nitroaniline	0.58	160	190000	1800	2.1 U	2.1 U	2.2 U	2.2 U	2.2 U	2.1 U	2.1 U	2 U	1.9 U
2-Nitrophenol	82	22000	190000		0.41 U	0.41 U	0.42 U	0.42 U	0.42 U	0.4 U	0.41 U	0.39 U	0.38 U
3,3'-Dichlorobenzidine	32	180	190000	6.35911	2 U	2 U	2 U	2.1 U	2.1 U	2 U	2 U	1.9 U	1.8 U
3/4-Methylphenol				5100	0.41 U	0.41 U	0.42 U	0.42 U	0.42 U	0.4 U	0.41 U	0.39 U	0.38 U
3-Nitroaniline	0.58	160	190000		2.1 U	2.1 U	2.2 U	2.2 U	2.2 U	2.1 U	2.1 U	2 U	1.9 U
4,6-Dinitro-2-Methylphenol					2.1 U	2.1 U	2.2 U	2.2 U	2.2 U	2.1 U	2.1 U	2 U	1.9 U
4-Bromophenyl phenyl ether					0.41 U	0.41 U	0.42 U	0.42 U	0.42 U	0.4 U	0.41 U	0.39 U	0.38 U
4-Chloro-3-Methyl-Phenol	110	14000	190000		0.41 U	0.41 U	0.42 U	0.42 U	0.42 U	0.4 U	0.41 U	0.39 U	0.38 U
4-Chloroaniline	52	11000	190000	4088	0.41 U	0.41 U	0.42 U	0.42 U	0.42 U	0.4 U	0.41 U	0.39 U	0.38 U
4-Chlorodiphenyl Ether					0.41 U	0.41 U	0.42 U	0.42 U	0.42 U	0.4 U	0.41 U	0.39 U	0.38 U
4-Nitroaniline	0.58	160	190000	86	2.1 U	2.1 U	2.2 U	2.2 U	2.2 U	2.1 U	2.1 U	2 U	1.9 U
4-Nitrophenol	6	22000	190000		2.1 U	2.1 U	2.2 U	2.2 U	2.2 U	2.1 U	2.1 U	2 U	1.9 U
Acenaphthene	4700	170000	190000	33000	0.41 U	0.41 U	0.42 U	0.42 U	0.42 U	0.4 U	0.41 U	0.39 U	0.38 U
Acenaphthylene	6900	170000	190000		0.41 U	0.41 U	0.42 U	0.42 U	0.42 U	0.4 U	0.41 U	0.39 U	0.38 U
Anthracene	350	190000	190000	170000	0.41 U	0.41 U	0.42 U	0.42 U	0.42 U	0.4 U	0.41 U	0.39 U	0.38 U
Benzo (A) Anthracene	320	110	190000	2.1	0.41 U	0.41 U	0.42 U	0.42 U	0.42 U	0.4 U	0.41 U	0.39 U	0.38 U
Benzo (a) Pyrene	46	11	190000	0.21	0.41 U	0.41 U	0.42 U	0.42 U	0.42 U	0.4 U	0.41 U	0.39 U	0.38 U
Benzo (b) Fluoranthene	170	110	190000	2.1	0.41 U	0.41 U	0.42 U	0.42 U	0.42 U	0.4 U	0.41 U	0.39 U	0.38 U
Benzo (g,h,i) Perylene	180	170000	190000		0.41 U	0.41 U	0.42 U	0.42 U	0.42 U	0.4 U	0.41 U	0.39 U	0.38 U
Benzo (k) Fluoranthene	610	1100	190000	21	0.41 U	0.41 U	0.42 U	0.42 U	0.42 U	0.4 U	0.41 U	0.39 U	0.38 U
Bis(2-Chloroethoxy) Methane				1800	0.41 U	0.41 U	0.42 U	0.42 U	0.42 U	0.4 U	0.41 U	0.39 U	0.38 U
Bis(2-Chloroethyl) Ether	0.055	5	5.7	0.9	0.41 U	0.41 U	0.42 U	0.42 U	0.42 U	0.4 U	0.41 U	0.39 U	0.38 U
Bis(2-Chloroisopropyl) Ether	30	160	190		0.41 U	0.41 U	0.42 U	0.42 U	0.42 U	0.4 U	0.41 U	0.39 U	0.38 U
Bis(2-Ethylhexyl) Phthalate	130	5700	10000	120	0.41 U	0.41 U	0.42 U	0.42 U	0.42 U	0.4 U	0.41 U	0.39 U	0.38 U
Butylbenzylphthalate	10000	10000	10000	910	0.41 U	0.41 U	0.42 U	0.42 U	0.42 U	0.4 U	0.41 U	0.39 U	0.38 U
Carbazole	83	4000	190000		0.41 U	0.41 U	0.42 U	0.42 U	0.42 U	0.4 U	0.41 U	0.39 U	0.38 U
Chrysene	230	11000	190000	210	0.41 U	0.41 U	0.42 U	0.42 U	0.42 U	0.4 U	0.41 U	0.39 U	0.38 U
Dibenzo (a,h) Anthracene	160	11	190000	0.21	0.41 U	0.41 U	0.42 U	0.42 U	0.42 U	0.4 U	0.41 U	0.39 U	0.38 U
Dibenzofuran					0.41 U	0.41 U	0.42 U	0.42 U	0.42 U	0.4 U	0.41 U	0.39 U	0.38 U
Diethylphthalate	500	10000	10000	490000	0.41 U	0.41 U	0.06 J	0.42 U	0.42 U	**0.059 J**	0.41 U	0.39 U	0.38 U
Dimethylphthalate					0.41 U	0.41 U	0.42 U	0.42 U	0.42 U	0.4 U	0.41 U	0.39 U	0.38 U
Di-n-Butylphthalate	4100	10000	10000		0.41 U	0.41 U	0.42 U	0.42 U	0.42 U	0.4 U	0.41 U	0.39 U	0.38 U
Di-n-octylphthalate	10000	10000	10000		0.41 U	0.41 U	0.42 U	0.42 U	0.42 U	**0.33 J**	0.41 U	0.39 U	0.38 U
Fluoranthene	3200	110000	190000	22000	0.41 U	0.41 U	0.42 U	0.42 U	0.42 U	0.4 U	**0.018 J**	0.39 U	0.38 U

Table 1
Soils Data Summary - Building 51 (B51)
Former York Naval Ordnance Plant - York, PA

Location/ID Depth (ft.) Sample Date Parameter	MSC Soil to GW Used Aquifer (mg/kg)	MSC Direct Contact 0 - 2 ft (mg/kg)	MSC Direct Contact 2 - 15 ft (mg/kg)	EPA RBC[1] Industrial Soil (mg/kg)	B51-TP-1A 9 - 9.5 12/30/2008 (mg/kg)	B51-TP-1B 9 - 9.5 12/30/2008 (mg/kg)	B51-TP-1C 9 - 9.5 12/30/2008 (mg/kg)	B51-TP-1D 9 - 9.5 12/30/2008 (mg/kg)	B51-TP-1E 9 - 9.5 12/30/2008 (mg/kg)	B51-TP-1F 9 - 9.5 12/30/2008 (mg/kg)	B51-TP-1G 9 - 9.5 12/30/2008 (mg/kg)	B51-TP-1H 9 - 9.5 12/30/2008 (mg/kg)	B51-TP-1H 9 - 9.5 12/30/2008 (mg/kg)
Fluorene	3800	110000	190000	22000	0.41 U	0.41 U	0.42 U	0.42 U	0.42 U	0.4 U	0.41 U	0.39 U	0.38 U
Hexachlorobenzene	0.96	50	190000	1.1	0.41 U	0.41 U	0.42 U	0.42 U	0.42 U	0.4 U	0.41 U	0.39 U	0.38 U
Hexachlorobutadiene	1.2	560	10000	22	0.41 U	0.41 U	0.42 U	0.42 U	0.42 U	0.4 U	0.41 U	0.39 U	0.38 U
Hexachlorocyclopentadiene	91	10000	10000	3700	2 U	2 U	2 U	2.1 U	2.1 U	2 U	2 U	1.9 U	1.8 U
Hexachloroethane	0.56	2800	190000	120	0.41 U	0.41 U	0.42 U	0.42 U	0.42 U	0.4 U	0.41 U	0.39 U	0.38 U
Indeno (1,2,3-cd) Pyrene	28000	110	190000	2.1	0.41 U	0.41 U	0.42 U	0.42 U	0.42 U	0.4 U	0.41 U	0.39 U	0.38 U
Isophorone	10	10000	10000	1800	0.41 U	0.41 U	0.42 U	0.42 U	0.42 U	0.4 U	0.41 U	0.39 U	0.38 U
Naphthalene	25	56000	190000	20	0.41 U	0.41 U	0.42 U	0.42 U	0.42 U	0.4 U	0.41 U	0.39 U	0.38 U
Nitrobenzene	5.1	1400	10000	22	0.41 U	0.41 U	0.42 U	0.42 U	0.42 U	0.4 U	0.41 U	0.39 U	0.38 U
N-Nitrosodi-N-Propylamine	0.037	11	10000	0.25	0.41 U	0.41 U	0.42 U	0.42 U	0.42 U	0.4 U	0.41 U	0.39 U	0.38 U
N-Nitrosodiphenylamine	83	16000	190000	350	0.41 U	0.41 U	0.42 U	0.42 U	0.42 U	0.4 U	0.41 U	0.39 U	0.38 U
Pentachlorophenol	5	660	190000	9	2 U	2 U	2 U	2.1 U	2.1 U	2 U	2 U	1.9 U	1.8 U
Phenanthrene	10000	190000	190000		0.41 U	0.41 U	0.42 U	0.42 U	0.42 U	0.4 U	**0.015 J**	0.39 U	0.38 U
Phenol	400	190000	190000	180000	0.41 U	0.41 U	0.42 U	0.42 U	0.42 U	0.4 U	0.41 U	0.39 U	0.38 U
Pyrene	2200	84000	190000	17000	0.41 U	0.41 U	0.42 U	0.42 U	0.42 U	0.4 U	0.41 U	0.39 U	0.38 U
Total Solids													
Percent Solids					**81.20%**	**78.70%**	**78.30%**	**77.70%**	**77.70%**	**81.50%**	**79.30%**	**84.50%**	**88%**
VOC													
1,1,1,2-Tetrachloroethane	18	3100	190000	9.8	0.0054 U	0.0057 U	0.0057 U	0.0054 U	0.0053 U	0.0054 U	0.0054 U	0.005 U	0.0046 U
1,1,1-Trichloroethane	20	10000	10000	39000	0.0054 U	0.0057 U	0.0057 U	0.0054 U	0.0053 U	0.0054 U	0.0054 U	0.005 U	0.0046 U
1,1,2,2-Tetrachloroethane	0.03	28	33	2.9	0.0054 U	0.0057 U	0.0057 U	0.0054 U	0.0053 U	0.0054 U	0.0054 U	0.005 U	0.0046 U
1,1,2-Trichloroethane	0.5	100	120	5.5	0.0054 U	0.0057 U	0.0057 U	0.0054 U	0.0053 U	0.0054 U	0.0054 U	0.005 U	0.0046 U
1,1-Dichloroethane	11	1000	1200	17	0.0054 U	0.0057 U	0.0057 U	0.0054 U	0.0053 U	0.0054 U	0.0054 U	0.005 U	0.0046 U
1,1-Dichloroethene	0.7	33	38		0.0054 U	0.0057 U	0.0057 U	0.0054 U	0.0053 U	0.0054 U	0.0054 U	0.005 U	0.0046 U
1,2-Dibromoethane	0.005	0.93	8.6	0.17	0.0054 U	0.0057 U	0.0057 U	0.0054 U	0.0053 U	0.0054 U	0.0054 U	0.005 U	0.0046 U
1,2-Dichloroethane	0.5	63	73	2.2	0.0054 U	0.0057 U	0.0057 U	0.0054 U	0.0053 U	0.0054 U	0.0054 U	0.005 U	0.0046 U
1,2-Dichloropropane	0.5	160	180	4.7	0.0054 U	0.0057 U	0.0057 U	0.0054 U	0.0053 U	0.0054 U	0.0054 U	0.005 U	0.0046 U
1,4-Dioxane	2.4	210	240	160	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	0.99 U	0.92 U
2-Butanone	580	10000	10000	190000	0.021 U	0.023 U	0.023 U	0.022 U	0.021 U	0.022 U	0.022 U	0.02 U	0.018 U
2-Hexanone					0.021 U	0.023 U	0.023 U	0.022 U	0.021 U	0.022 U	0.022 U	0.02 U	0.018 U
4-Methyl-2-Pentanone	41	4300	4900	52000	0.021 U	0.023 U	0.023 U	0.022 U	0.021 U	0.022 U	0.022 U	0.02 U	0.018 U
Acetone	1000	10000	10000	610000	0.021 U	0.023 U	0.023 U	0.022 U	0.021 U	0.022 U	0.022 U	0.02 U	0.018 U
Acrylonitrile	0.27	24	28	1.2	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.099 U	0.092 U

Table 1
Soils Data Summary - Building 51 (B51)
Former York Naval Ordnance Plant - York, PA

Location/ID Depth (ft.) Sample Date Parameter	MSC Soil to GW Used Aquifer (mg/kg)	MSC Direct Contact 0 - 2 ft (mg/kg)	MSC Direct Contact 2 - 15 ft (mg/kg)	EPA RBC[1] Industrial Soil (mg/kg)	B51-TP-1A 9 - 9.5 12/30/2008 (mg/kg)	B51-TP-1B 9 - 9.5 12/30/2008 (mg/kg)	B51-TP-1C 9 - 9.5 12/30/2008 (mg/kg)	B51-TP-1D 9 - 9.5 12/30/2008 (mg/kg)	B51-TP-1E 9 - 9.5 12/30/2008 (mg/kg)	B51-TP-1F 9 - 9.5 12/30/2008 (mg/kg)	B51-TP-1G 9 - 9.5 12/30/2008 (mg/kg)	B51-TP-1H 9 - 9.5 12/30/2008 (mg/kg)	B51-TP-1H 9 - 9.5 12/30/2008 (mg/kg)
Benzene	0.5	210	240	5.6	0.0054 U	0.0057 U	0.0057 U	0.0054 U	0.0053 U	0.0054 U	0.0054 U	0.005 U	0.0046 U
Bromochloromethane	9	10000	10000		0.0054 U	0.0057 U	0.0057 U	0.0054 U	0.0053 U	0.0054 U	0.0054 U	0.005 U	0.0046 U
Bromodichloromethane	10	45	51	1.4	0.0054 U	0.0057 U	0.0057 U	0.0054 U	0.0053 U	0.0054 U	0.0054 U	0.005 U	0.0046 U
Bromoform	10	1500	1700	220	0.0054 U	0.0057 U	0.0057 U	0.0054 U	0.0053 U	0.0054 U	0.0054 U	0.005 U	0.0046 U
Bromomethane	1	270	300	35	0.0054 U	0.0057 U	0.0057 U	0.0054 U	0.0053 U	0.0054 U	0.0054 U	0.005 U	0.0046 U
Carbon Disulfide	410	10000	10000	3000	0.0054 U	0.0057 U	0.0057 U	0.0054 U	0.0053 U	0.0054 U	0.0054 U	0.005 U	0.0046 U
Carbon Tetrachloride	0.5	110	120	1.3	0.0054 U	0.0057 U	0.0057 U	0.0054 U	0.0053 U	0.0054 U	0.0054 U	0.005 U	0.0046 U
Chlorobenzene	10	10000	10000	1500	0.0054 U	0.0057 U	0.0057 U	**0.011**	**0.0068**	**0.0074**	**0.0045 J**	0.005 U	0.0046 U
Chlorodibromomethane	10	61	70		0.0054 U	0.0057 U	0.0057 U	0.0054 U	0.0053 U	0.0054 U	0.0054 U	0.005 U	0.0046 U
Chloroethane	90	10000	10000		0.0054 U	0.0057 U	0.0057 U	0.0054 U	0.0053 U	0.0054 U	0.0054 U	0.005 U	0.0046 U
Chloroform	10	17	19	1.5	0.0054 U	0.0057 U	0.0057 U	0.0054 U	0.0053 U	0.0054 U	0.0054 U	0.005 U	0.0046 U
Chloromethane	0.3	920	1000	510	0.0054 U	0.0057 U	0.0057 U	0.0054 U	0.0053 U	0.0054 U	0.0054 U	0.005 U	0.0046 U
cis-1,2-Dichloroethene	7	1900	2100		0.0054 U	0.0057 U	0.0057 U	0.0054 U	0.0053 U	0.0054 U	0.0054 U	0.005 U	0.0046 U
cis-1,3-Dichloropropene	2.6	410	470		0.0054 U	0.0057 U	0.0057 U	0.0054 U	0.0053 U	0.0054 U	0.0054 U	0.005 U	0.0046 U
Ethylbenzene	70	10000	10000	29	0.0054 U	0.0057 U	0.0057 U	0.0054 U	0.0053 U	0.0054 U	0.0054 U	0.005 U	0.0046 U
Methyl tert-butyl ether	2	3200	3700	190	0.0054 U	0.0057 U	0.0057 U	0.0054 U	0.0053 U	0.0054 U	0.0054 U	0.005 U	0.0046 U
Methylene chloride	0.5	3500	4000	54	0.0054 U	0.0057 U	0.0057 U	0.0054 U	0.0053 U	**0.015 B**	**0.001 J B**	**0.001 J B**	**0.0011 J B**
Styrene	24	10000	10000	38000	0.0054 U	0.0057 U	0.0057 U	0.0054 U	0.0053 U	0.0054 U	0.0054 U	0.005 U	0.0046 U
Tetrachloroethene	0.5	1500	3300	2.7	0.0054 U	0.0057 U	0.0057 U	0.0054 U	0.0053 U	0.0054 U	0.0054 U	0.005 U	0.0046 U
Toluene	100	10000	10000	46000	0.0054 U	0.0057 U	0.0057 U	0.0054 U	0.0053 U	0.0054 U	0.0054 U	0.005 U	0.0046 U
trans-1,2-Dichloroethene	10	3700	4300		0.0054 U	0.0057 U	0.0057 U	0.0054 U	0.0053 U	0.0054 U	0.0054 U	0.005 U	0.0046 U
trans-1,3-Dichloropropene	2.6	410	470		0.0054 U	0.0057 U	0.0057 U	0.0054 U	0.0053 U	0.0054 U	0.0054 U	0.005 U	0.0046 U
Trichloroethene	0.5	970	1100	14	0.0054 U	0.0057 U	0.0057 U	0.0054 U	0.0053 U	0.0054 U	0.0054 U	0.005 U	0.0046 U
Vinyl Chloride	0.2	53	220	1.7	0.0054 U	0.0057 U	0.0057 U	0.0054 U	0.0053 U	0.0054 U	0.0054 U	0.005 U	0.0046 U
Xylenes (Total)	1000	10000	10000	2600	0.016 U	0.017 U	0.017 U	0.016 U	0.016 U	0.016 U	0.016 U	0.015 U	0.014 U

Table 1
Soils Data Summary - Building 51 (B51)
Former York Naval Ordnance Plant - York, PA

Location/ID Depth (ft.) Sample Date Parameter	MSC Soil to GW Used Aquifer (mg/kg)	MSC Direct Contact 0 - 2 ft (mg/kg)	MSC Direct Contact 2 - 15 ft (mg/kg)	EPA RBC[1] Industrial Soil (mg/kg)	B51-TP-2A 1.5 - 2 1/8/2009 (mg/kg)	B51-TP-2B 1.5 - 2 1/8/2009 (mg/kg)	B51-TP-2C 1.5 - 2 1/8/2009 (mg/kg)	B51-TP-2D 1.5 - 2 1/8/2009 (mg/kg)	B51-TP-2E 1.5 - 2 1/8/2009 (mg/kg)	B51-TP-2F 1.5 - 2 1/8/2009 (mg/kg)	B51-TP-2F 1.5 - 2 1/8/2009 (mg/kg)	B51-TP-2G 1.5 - 2 1/8/2009 (mg/kg)	B51-TP-2H 1.5 - 2 1/8/2009 (mg/kg)
Cyanide, Free													
Cyanide, Free	200	56000	190000	20000	0.58 U	0.62 U	0.62 U	0.63 U	0.61 U	0.6 U	0.59 U	0.57 U	0.58 U
Cyanide, Total													
Cyanide, Total	200	56000	190000		0.58 U	0.62 U	0.62 U	0.63 U	0.61 U	0.6 U	0.59 U	0.57 U	0.58 U
Hexavalent Chromium													
Hexavalent Chromium	190	420	190000	200	**0.22 B**	0.49 U	**0.16 B**	**0.16 B**	0.49 U	0.48 U	0.47 U	**0.45 B**	**0.22 B**
Mercury													
Mercury	10	840	190000	24	**0.026 B J**	**0.025 B J**	**0.032 B J**	**0.031 B J**	**0.035 B J**	**0.028 B J**	**0.023 B J**	**0.018 B J**	**0.03 B J**
Metal													
Antimony	27	1100	190000	410	**0.093 B**	**0.38**	**0.41**	**0.22 B**	**0.099 B**	**0.14 B**	**0.11 B**	**0.093 B**	**0.095 B**
Arsenic	150	53	190000	1.6	**4 Z**	**4.7 Z**	**3.5 Z**	**4.2 Z**	**5.1 Z**	**3.7 Z**	**3.2 Z**	**3.6 Z**	**5.5 Z**
Barium	8200	190000	190000	190000	**103 J**	**76.9 J**	**73.8 J**	**82.9 J**	**73.6 J**	**73.4 J**	**77.4 J**	**68.1 J**	**77.1 J**
Beryllium	320	5600	190000	2000	**0.76**	**0.6**	**0.44**	**0.56**	**0.49**	**0.45**	**0.52**	**0.64**	**0.71**
Cadmium	38	210	190000	800	**0.13**	**0.18**	**0.17**	**0.19**	**0.12**	**0.17**	**0.13**	**0.091 B**	**0.12**
Chromium				1500000	**11.8 J**	**12.7 J**	**9.7 J**	**11.8 J**	**10.7 J**	**9 J**	**10.6 J**	**11.7 J**	**11.4 J**
Copper	36000	100000	190000	41000	**9.4**	**9.6**	**5.9**	**7.8**	**7.4**	**7.8**	**9.6**	**9.5**	**7.8**
Lead	450	1000	190000	800	**13 J**	**16.4 J**	**13.2 J**	**14.3 J**	**13.6 J**	**16.1 J**	**14.3 J**	**12.6 J**	**11.7 J**
Nickel	650	56000	190000	20000	**9.9 J**	**13.2 J**	**9.3 J**	**7 J**	**7.7 J**	**8.6 J**	**12.2 J**	**7.2 J**	**9.7 J**
Selenium	26	14000	190000	5100	**0.45 B**	**0.44 B**	**0.3 B**	**0.43 B**	**0.33 B**	**0.33 B**	**0.62**	**0.44 B**	**0.36 B**
Silver	84	14000	190000	5100	0.12 U	0.12 U	0.12 U	0.13 U	0.12 U	0.12 U	0.12 U	0.11 U	0.12 U
Thallium	14	200	190000	66	**0.18**	**0.17**	**0.16**	**0.17**	**0.18**	**0.17**	**0.18**	**0.16**	**0.16 E**
Vanadium	72000	20000	190000	5200	**18.6 J**	**18.7 J**	**17.2 J**	**17.3 J**	**20.7 J**	**15.1 J**	**17.2 J**	**16.8 J**	**16.6 J**
Zinc	12000	190000	190000	310000	**20.1 J**	**22.5 J**	**19.5 J**	**22.7 J**	**23 J**	**24.3 J**	**21.7 J**	**15.8 J**	**15.7 J**
SVOC													
1,2,4-Trichlorobenzene	27	10000	10000	400	0.38 U	0.41 U	2 U	2.1 U	0.41 U	0.4 U	1.9 U	0.38 U	0.38 U
1,2-Dichlorobenzene	60	10000	10000	10000	0.38 U	0.41 U	2 U	2.1 U	0.41 U	0.4 U	1.9 U	0.38 U	0.38 U
1,3-Dichlorobenzene	61	10000	10000	3066	0.38 U	0.41 U	2 U	2.1 U	0.41 U	0.4 U	1.9 U	0.38 U	0.38 U
1,4-Dichlorobenzene	10	3300	190000	13	0.38 U	0.41 U	2 U	2.1 U	0.41 U	0.4 U	1.9 U	0.38 U	0.38 U
2,4,5-Trichlorophenol	6100	190000	190000	62000	0.38 U	0.41 U	2 U	2.1 U	0.41 U	0.4 U	1.9 U	0.38 U	0.38 U
2,4,6-Trichlorophenol	8.9	840	190000	160	0.38 U	0.41 U	2 U	2.1 U	0.41 U	0.4 U	1.9 U	0.38 U	0.38 U
2,4-Dichlorophenol	2	8400	190000	1800	0.38 U	0.41 U	2 U	2.1 U	0.41 U	0.4 U	1.9 U	0.38 U	0.38 U
2,4-Dimethylphenol	200	10000	10000	12000	0.38 U	0.41 U	2 U	2.1 U	0.41 U	0.4 U	1.9 U	0.38 U	0.38 U
2,4-Dinitrophenol	4.1	5600	190000	1200	2 U	2.1 U	11 U	11 U	2.1 U	2.1 U	10 U	1.9 U	2 U
2,4-Dinitrotoluene	0.84	260	190000	2044	0.38 U	0.41 U	2 U	2.1 U	0.41 U	0.4 U	1.9 U	0.38 U	0.38 U
2,6-Dinitrotoluene	10	2800	190000	620	0.38 U	0.41 U	2 U	2.1 U	0.41 U	0.4 U	1.9 U	0.38 U	0.38 U
2-Chloronaphthalene	18000	190000	190000	82000	0.38 U	0.41 U	2 U	2.1 U	0.41 U	0.4 U	1.9 U	0.38 U	0.38 U
2-Chlorophenol	4.4	920	1100	5100	0.38 U	0.41 U	2 U	2.1 U	0.41 U	0.4 U	1.9 U	0.38 U	0.38 U
2-Methylnaphthalene	8000	10000	10000	4100	0.38 U	0.41 U	2 U	2.1 U	0.41 U	0.4 U	1.9 U	0.38 U	0.38 U
2-Methylphenol	510	10000	10000	51100	0.38 U	0.41 U	2 U	2.1 U	0.41 U	0.4 U	1.9 U	0.38 U	0.38 U
2-Nitroaniline	0.58	160	190000	1800	2 U	2.1 U	11 U	11 U	2.1 U	2.1 U	10 U	1.9 U	2 U
2-Nitrophenol	82	22000	190000		0.38 U	0.41 U	2 U	2.1 U	0.41 U	0.4 U	1.9 U	0.38 U	0.38 U
3,3'-Dichlorobenzidine	32	180	190000	6.35911	1.8 U	2 U	9.9 U	10 U	2 U	1.9 U	9.4 U	1.8 U	1.8 U
3/4-Methylphenol				5100	0.38 U	0.41 U	2 U	2.1 U	0.41 U	0.4 U	1.9 U	0.38 U	0.38 U
3-Nitroaniline	0.58	160	190000		2 U	2.1 U	11 U	11 U	2.1 U	2.1 U	10 U	1.9 U	2 U
4,6-Dinitro-2-Methylphenol					2 U	2.1 U	11 U	11 U	2.1 U	2.1 U	10 U	1.9 U	2 U
4-Bromophenyl phenyl ether					0.38 U	0.41 U	2 U	2.1 U	0.41 U	0.4 U	1.9 U	0.38 U	0.38 U
4-Chloro-3-Methyl-Phenol	110	14000	190000		0.38 U	0.41 U	2 U	2.1 U	0.41 U	0.4 U	1.9 U	0.38 U	0.38 U
4-Chloroaniline	52	11000	190000	4088	0.38 U	0.41 U	2 U	2.1 U	0.41 U	0.4 U	1.9 U	0.38 U	0.38 U
4-Chlorodiphenyl Ether					0.38 U	0.41 U	2 U	2.1 U	0.41 U	0.4 U	1.9 U	0.38 U	0.38 U
4-Nitroaniline	0.58	160	190000	86	2 U	2.1 U	11 U	11 U	2.1 U	2.1 U	10 U	1.9 U	2 U
4-Nitrophenol	6	22000	190000		2 U	2.1 U	11 U	11 U	2.1 U	2.1 U	10 U	1.9 U	2 U
Acenaphthene	4700	170000	190000	33000	0.38 U	0.41 U	2 U	2.1 U	0.41 U	0.4 U	1.9 U	0.38 U	0.38 U
Acenaphthylene	6900	170000	190000		0.38 U	0.41 U	2 U	2.1 U	0.41 U	0.4 U	1.9 U	0.38 U	0.38 U
Anthracene	350	190000	190000	170000	0.38 U	0.41 U	2 U	2.1 U	0.41 U	0.4 U	1.9 U	0.38 U	0.38 U
Benzo (A) Anthracene	320	110	190000	2.1	0.022 J	0.41 U	2 U	2.1 U	0.41 U	0.4 U	1.9 U	0.38 U	0.38 U
Benzo (a) Pyrene	46	11	190000	0.21	0.38 U	0.41 U	2 U	2.1 U	0.41 U	0.4 U	1.9 U	0.38 U	0.38 U
Benzo (b) Fluoranthene	170	110	190000	2.1	0.38 U	0.41 U	2 U	2.1 U	0.41 U	0.4 U	1.9 U	0.38 U	0.38 U
Benzo (g,h,i) Perylene	180	170000	190000		0.38 U	0.41 U	2 U	2.1 U	0.41 U	0.4 U	1.9 U	0.38 U	0.38 U
Benzo (k) Fluoranthene	610	1100	190000	21	0.38 U	0.41 U	2 U	2.1 U	0.41 U	0.4 U	1.9 U	0.38 U	0.38 U
Bis(2-Chloroethoxy) Methane				1800	0.38 U	0.41 U	2 U	2.1 U	0.41 U	0.4 U	1.9 U	0.38 U	0.38 U
Bis(2-Chloroethyl) Ether	0.055	5	5.7	0.9	0.38 U	0.41 U	2 U	2.1 U	0.41 U	0.4 U	1.9 U	0.38 U	0.38 U
Bis(2-Chloroisopropyl) Ether	30	160	190		0.38 U	0.41 U	2 U	2.1 U	0.41 U	0.4 U	1.9 U	0.38 U	0.38 U
Bis(2-Ethylhexyl) Phthalate	130	5700	10000	120	0.38 U	0.41 U	2 U	2.1 U	0.41 U	0.4 U	1.9 U	0.38 U	0.38 U
Butylbenzylphthalate	10000	10000	10000	910	0.38 U	0.41 U	2 U	2.1 U	0.41 U	0.4 U	1.9 U	**0.03 J**	0.38 U
Carbazole	83	4000	190000		0.38 U	0.41 U	2 U	2.1 U	0.41 U	0.4 U	1.9 U	0.38 U	0.38 U
Chrysene	230	11000	190000	210	0.38 U	0.41 U	2 U	2.1 U	0.41 U	0.4 U	1.9 U	0.38 U	0.38 U
Dibenzo (a,h) Anthracene	160	11	190000	0.21	0.38 U	0.41 U	2 U	2.1 U	0.41 U	0.4 U	1.9 U	0.38 U	0.38 U
Dibenzofuran					0.38 U	0.41 U	2 U	2.1 U	0.41 U	0.4 U	1.9 U	0.38 U	0.38 U
Diethylphthalate	500	10000	10000	490000	0.38 U	0.41 U	2 U	2.1 U	0.41 U	0.4 U	1.9 U	0.38 U	0.38 U
Dimethylphthalate					0.38 U	0.41 U	2 U	2.1 U	0.41 U	0.4 U	1.9 U	0.38 U	0.38 U
Di-n-Butylphthalate	4100	10000	10000		0.38 U	0.41 U	2 U	2.1 U	0.41 U	0.4 U	1.9 U	0.38 U	0.38 U
Di-n-octylphthalate	10000	10000	10000		0.38 U	0.41 U	2 U	2.1 U	0.41 U	0.4 U	1.9 U	0.38 U	0.38 U
Fluoranthene	3200	110000	190000	22000	**0.028 J**	0.41 U	2 U	2.1 U	0.41 U	0.4 U	1.9 U	0.38 U	0.38 U

Table 1
Soils Data Summary - Building 51 (B51)
Former York Naval Ordnance Plant - York, PA

Location/ID Depth (ft.) Sample Date Parameter	MSC Soil to GW Used Aquifer (mg/kg)	MSC Direct Contact 0 - 2 ft (mg/kg)	MSC Direct Contact 2 - 15 ft (mg/kg)	EPA RBC[1] Industrial Soil (mg/kg)	B51-TP-2A 1.5 - 2 1/8/2009 (mg/kg)	B51-TP-2B 1.5 - 2 1/8/2009 (mg/kg)	B51-TP-2C 1.5 - 2 1/8/2009 (mg/kg)	B51-TP-2D 1.5 - 2 1/8/2009 (mg/kg)	B51-TP-2E 1.5 - 2 1/8/2009 (mg/kg)	B51-TP-2F 1.5 - 2 1/8/2009 (mg/kg)	B51-TP-2F 1.5 - 2 1/8/2009 (mg/kg)	B51-TP-2G 1.5 - 2 1/8/2009 (mg/kg)	B51-TP-2H 1.5 - 2 1/8/2009 (mg/kg)
Fluorene	3800	110000	190000	22000	0.38 U	0.41 U	2 U	2.1 U	0.41 U	0.4 U	1.9 U	0.38 U	0.38 U
Hexachlorobenzene	0.96	50	190000	1.1	0.38 U	0.41 U	2 U	2.1 U	0.41 U	0.4 U	1.9 U	0.38 U	0.38 U
Hexachlorobutadiene	1.2	560	10000	22	0.38 U	0.41 U	2 U	2.1 U	0.41 U	0.4 U	1.9 U	0.38 U	0.38 U
Hexachlorocyclopentadiene	91	10000	10000	3700	1.8 U	2 U	9.9 U	10 U	2 U	1.9 U	9.4 U	1.8 U	1.8 U
Hexachloroethane	0.56	2800	190000	120	0.38 U	0.41 U	2 U	2.1 U	0.41 U	0.4 U	1.9 U	0.38 U	0.38 U
Indeno (1,2,3-cd) Pyrene	28000	110	190000	2.1	0.38 U	0.41 U	2 U	2.1 U	0.41 U	0.4 U	1.9 U	0.38 U	0.38 U
Isophorone	10	10000	10000	1800	0.38 U	0.41 U	2 U	2.1 U	0.41 U	0.4 U	1.9 U	0.38 U	0.38 U
Naphthalene	25	56000	190000	20	0.38 U	0.41 U	2 U	2.1 U	0.41 U	0.4 U	1.9 U	0.38 U	0.38 U
Nitrobenzene	5.1	1400	10000	22	0.38 U	0.41 U	2 U	2.1 U	0.41 U	0.4 U	1.9 U	0.38 U	0.38 U
N-Nitrosodi-N-Propylamine	0.037	11	10000	0.25	0.38 U	0.41 U	2 U	2.1 U	0.41 U	0.4 U	1.9 U	0.38 U	0.38 U
N-Nitrosodiphenylamine	83	16000	190000	350	0.38 U	0.41 U	2 U	2.1 U	0.41 U	0.4 U	1.9 U	0.38 U	0.38 U
Pentachlorophenol	5	660	190000	9	1.8 U	2 U	9.9 U	10 U	2 U	1.9 U	9.4 U	1.8 U	1.8 U
Phenanthrene	10000	190000	190000		**0.036 J**	0.41 U	2 U	2.1 U	0.41 U	0.4 U	1.9 U	0.38 U	0.38 U
Phenol	400	190000	190000	180000	0.38 U	0.41 U	2 U	2.1 U	0.41 U	0.4 U	1.9 U	0.38 U	0.38 U
Pyrene	2200	84000	190000	17000	**0.032 J**	0.41 U	2 U	2.1 U	0.41 U	0.4 U	1.9 U	0.38 U	0.38 U
Total Solids													
Percent Solids					**85.60%**	**80.70%**	**80.60%**	**78.80%**	**81.40%**	**82.90%**	**84.60%**	**87.50%**	**86.70%**
VOC													
1,1,1,2-Tetrachloroethane	18	3100	190000	9.8	0.0044 U	0.0047 U	0.005 U	0.0053 U	0.0049 U	0.0046 U	0.0045 U	0.0047 U	0.0046 U
1,1,1-Trichloroethane	20	10000	10000	39000	0.0044 U	0.0047 U	0.005 U	0.0053 U	0.0049 U	0.0046 U	0.0045 U	0.0047 U	0.0046 U
1,1,2,2-Tetrachloroethane	0.03	28	33	2.9	0.0044 U	0.0047 U	0.005 U	0.0053 U	0.0049 U	0.0046 U	0.0045 U	0.0047 U	0.0046 U
1,1,2-Trichloroethane	0.5	100	120	5.5	0.0044 U	0.0047 U	0.005 U	0.0053 U	0.0049 U	0.0046 U	0.0045 U	0.0047 U	0.0046 U
1,1-Dichloroethane	11	1000	1200	17	0.0044 U	0.0047 U	0.005 U	0.0053 U	0.0049 U	0.0046 U	0.0045 U	0.0047 U	0.0046 U
1,1-Dichloroethene	0.7	33	38		0.0044 U	0.0047 U	0.005 U	0.0053 U	0.0049 U	0.0046 U	0.0045 U	0.0047 U	0.0046 U
1,2-Dibromoethane	0.005	0.93	8.6	0.17	0.0044 U	0.0047 U	0.005 U	0.0053 U	0.0049 U	0.0046 U	0.0045 U	0.0047 U	0.0046 U
1,2-Dichloroethane	0.5	63	73	2.2	0.0044 U	0.0047 U	0.005 U	0.0053 U	0.0049 U	0.0046 U	0.0045 U	0.0047 U	0.0046 U
1,2-Dichloropropane	0.5	160	180	4.7	0.0044 U	0.0047 U	0.005 U	0.0053 U	0.0049 U	0.0046 U	0.0045 U	0.0047 U	0.0046 U
1,4-Dioxane	2.4	210	240	160	0.89 U	0.94 U	0.99 U	1.1 U	0.97 U	0.92 U	0.9 U	0.94 U	0.92 U
2-Butanone	580	10000	10000	190000	0.018 U	0.019 U	0.02 U	0.021 U	0.019 U	0.018 U	0.018 U	0.019 U	0.018 U
2-Hexanone					0.018 U	0.019 U	0.02 U	0.021 U	0.019 U	0.018 U	0.018 U	0.019 U	0.018 U
4-Methyl-2-Pentanone	41	4300	4900	52000	0.018 U	0.019 U	0.02 U	0.021 U	0.019 U	0.018 U	0.018 U	0.019 U	0.018 U
Acetone	1000	10000	10000	610000	0.018 U	0.019 U	0.02 U	0.021 U	0.019 U	0.018 U	0.018 U	0.019 U	0.018 U
Acrylonitrile	0.27	24	28	1.2	0.089 U	0.094 U	0.099 U	0.11 U	0.097 U	0.092 U	0.09 U	0.094 U	0.092 U

Table 1
Soils Data Summary - Building 51 (B51)
Former York Naval Ordnance Plant - York, PA

Location/ID Depth (ft.) Sample Date Parameter	MSC Soil to GW Used Aquifer (mg/kg)	MSC Direct Contact 0 - 2 ft (mg/kg)	MSC Direct Contact 2 - 15 ft (mg/kg)	EPA RBC[1] Industrial Soil (mg/kg)	B51-TP-2A 1.5 - 2 1/8/2009 (mg/kg)	B51-TP-2B 1.5 - 2 1/8/2009 (mg/kg)	B51-TP-2C 1.5 - 2 1/8/2009 (mg/kg)	B51-TP-2D 1.5 - 2 1/8/2009 (mg/kg)	B51-TP-2E 1.5 - 2 1/8/2009 (mg/kg)	B51-TP-2F 1.5 - 2 1/8/2009 (mg/kg)	B51-TP-2F 1.5 - 2 1/8/2009 (mg/kg)	B51-TP-2G 1.5 - 2 1/8/2009 (mg/kg)	B51-TP-2H 1.5 - 2 1/8/2009 (mg/kg)
Benzene	0.5	210	240	5.6	0.0044 U	0.0047 U	0.005 U	0.0053 U	0.0049 U	0.0046 U	0.0045 U	0.0047 U	0.0046 U
Bromochloromethane	9	10000	10000		0.0044 U	0.0047 U	0.005 U	0.0053 U	0.0049 U	0.0046 U	0.0045 U	0.0047 U	0.0046 U
Bromodichloromethane	10	45	51	1.4	0.0044 U	0.0047 U	0.005 U	0.0053 U	0.0049 U	0.0046 U	0.0045 U	0.0047 U	0.0046 U
Bromoform	10	1500	1700	220	0.0044 U	0.0047 U	0.005 U	0.0053 U	0.0049 U	0.0046 U	0.0045 U	0.0047 U	0.0046 U
Bromomethane	1	270	300	35	0.0044 U	0.0047 U	0.005 U	0.0053 U	0.0049 U	0.0046 U	0.0045 U	0.0047 U	0.0046 U
Carbon Disulfide	410	10000	10000	3000	0.0044 U	0.0047 U	0.005 U	0.0053 U	0.0049 U	0.0046 U	0.0045 U	0.0047 U	0.0046 U
Carbon Tetrachloride	0.5	110	120	1.3	0.0044 U	0.0047 U	0.005 U	0.0053 U	0.0049 U	0.0046 U	0.0045 U	0.0047 U	0.0046 U
Chlorobenzene	10	10000	10000	1500	0.0044 U	0.0047 U	0.005 U	0.0053 U	0.0049 U	0.0046 U	0.0045 U	0.0047 U	0.0046 U
Chlorodibromomethane	10	61	70		0.0044 U	0.0047 U	0.005 U	0.0053 U	0.0049 U	0.0046 U	0.0045 U	0.0047 U	0.0046 U
Chloroethane	90	10000	10000		0.0044 U	0.0047 U	0.005 U	0.0053 U	0.0049 U	0.0046 U	0.0045 U	0.0047 U	0.0046 U
Chloroform	10	17	19	1.5	0.0044 U	0.0047 U	0.005 U	0.0053 U	0.0049 U	0.0046 U	0.0045 U	0.0047 U	0.0046 U
Chloromethane	0.3	920	1000	510	0.0044 U	0.0047 U	0.005 U	0.0053 U	0.0049 U	0.0046 U	0.0045 U	0.0047 U	0.0046 U
cis-1,2-Dichloroethene	7	1900	2100		0.0044 U	0.0047 U	0.005 U	0.0053 U	0.0049 U	0.0046 U	0.0045 U	0.0047 U	0.0046 U
cis-1,3-Dichloropropene	2.6	410	470		0.0044 U	0.0047 U	0.005 U	0.0053 U	0.0049 U	0.0046 U	0.0045 U	0.0047 U	0.0046 U
Ethylbenzene	70	10000	10000	29	0.0044 U	0.0047 U	0.005 U	0.0053 U	0.0049 U	0.0046 U	0.0045 U	0.0047 U	0.0046 U
Methyl tert-butyl ether	2	3200	3700	190	0.0044 U	0.0047 U	0.005 U	0.0053 U	0.0049 U	0.0046 U	0.0045 U	0.0047 U	0.0046 U
Methylene chloride	0.5	3500	4000	54	0.0044 U	0.0047 U	0.005 U	0.0053 U	0.0049 U	0.0046 U	0.0045 U	0.0047 U	0.0046 U
Styrene	24	10000	10000	38000	0.0044 U	0.0047 U	0.005 U	0.0053 U	0.0049 U	0.0046 U	0.0045 U	0.0047 U	0.0046 U
Tetrachloroethene	0.5	1500	3300	2.7	0.0044 U	0.0047 U	0.005 U	0.0053 U	0.0049 U	0.0046 U	0.0045 U	0.0047 U	0.0046 U
Toluene	100	10000	10000	46000	0.0044 U	0.0047 U	0.005 U	0.0053 U	0.0049 U	0.0046 U	0.0045 U	0.0047 U	0.0046 U
trans-1,2-Dichloroethene	10	3700	4300		0.0044 U	0.0047 U	0.005 U	0.0053 U	0.0049 U	0.0046 U	0.0045 U	0.0047 U	0.0046 U
trans-1,3-Dichloropropene	2.6	410	470		0.0044 U	0.0047 U	0.005 U	0.0053 U	0.0049 U	0.0046 U	0.0045 U	0.0047 U	0.0046 U
Trichloroethene	0.5	970	1100	14	0.0044 U	0.0047 U	0.005 U	0.0053 U	0.0049 U	0.0046 U	0.0045 U	0.0047 U	0.0046 U
Vinyl Chloride	0.2	53	220	1.7	0.0044 U	0.0047 U	0.005 U	0.0053 U	0.0049 U	0.0046 U	0.0045 U	0.0047 U	0.0046 U
Xylenes (Total)	1000	10000	10000	2600	0.013 U	0.014 U	0.015 U	0.016 U	0.015 U	0.014 U	0.013 U	0.014 U	0.014 U

Laboratory Qualifiers

Qualifier	Explanation
	Organic Data Qualifiers
J	Indicates an estimated value. This flag is used when the data indicates the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit but greater than zero.
B	Analyte is found in the associated blank, as well as in the sample.
U	Indicates sample was analyzed for, but not detected. Report with the detection limit value.
	Inorganic Data Qualifiers
J	Analyte is found in the associated blank, as well as in the
B	Indicates an estimated value. This flag is used when the data indicates the presence of a compound that meets the identification criteria but the result is less than the sample
E	Matrix Interference
U	with the detection limit value.

Screening Value Comparison Qualifiers

Qualifier	Explanation
	Soils
W	Excedence of the Pennsylvania DEP Act 2 Medium Specific Concentration for Soil to Groundwater (are the greater of the "100 X GW MSC" and "Generic" regulation values).
X	Excedence of the Pennsylvania DEP Act 2 Medium Specific Concentration for Direct Contact 0' to 2' below ground surface.
Y	Excedence of the Pennsylvania DEP Act 2 Medium Specific Concentration for Direct Contact 2' to 15' below ground surface.
Z	Excedence of the United States EPA Region 3 Risked Based Concentrations for Industrial soil. Per EPA, for certain low-toxicity chemicals, the screening levels exceed possible concentrations at the target risks.

NOTES:

RBCs - Risk Based Concentrations from:
United States Environmental Protection Agency (EPA), May 19, 2009; Regiona
Screening Level Table.

MSCs - Medium Specific Concentrations from:
Pennsylvania Department of Environmental Protection (DEP), November 24, 2001; fron
Chapter 250, Appendix A.

1 - EPA has indicated that for certain low-toxicity chemicals, the screening levels exceed possible concentrations at the target risks.

APPENDIX A

Photographs

Photo 1 – Location of Pit #1 in the southeast corner of Building 51. View facing southeast.

Photo 2-View of Pit#1 and sump inside Building 51 prior to cleaning and pipe removal. North indicated by white arrow.

Photo 3-View of Pit#1 and sump inside Building 51 after pipe removal. Sludge was removed prior to closure. North indicated by white arrow.

Photo 4-View of Pit#1 and sump inside Building 51 after backfilling. View facing southeast.

Photo 5-View of Pit#1 and sump inside Building 51 finished to grade with concrete. View facing southeast.

Photo 6 – View of Pit #2 at exterior southeast corner of Building 51. View facing north.

Photo 7-View of Pit#2 and sump outside Building 51 prior to cleaning and pipe removal. North indicated by white arrow.

Photo 8- View of Pit#2 and sump outside Building 51 after cleaning and pipe removal (note rainwater has partially filled pit). North indicated by white arrow.

Photo 9- View of Pit#2 and sump outside Building 51 after backfilling. View facing north.

Photo 10- View of Pit#2 and sump outside Building 51 finished to grade with asphalt. View facing northeast.

Photo 11- View of Pit#3 inside Building 51 prior to cleaning and pipe removal. North indicated by white arrow.

Photo 12 – View of Pit#3 during cleaning and prior to pipe removal. North indicated by white arrow.

Photo 13- View of Pit#3 inside Building 51 finished to grade with concrete. View facing west.

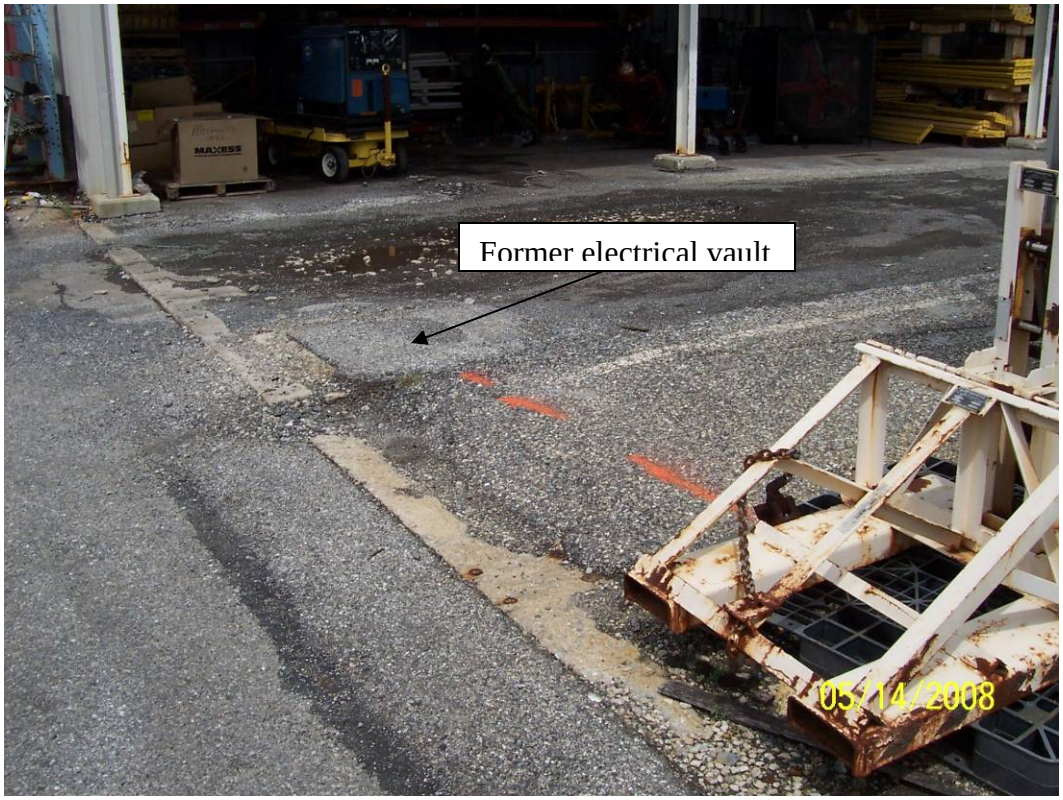

Photo 14 – View of location of presumed former electrical vault west of Building 51. An electrical conduit from Pit #3 was traced to this location. View facing west.

Photo 15- View of entrance slab to Building 51 after backfilling. View facing north.

Photo 16- View of entrance slab to Building 51 with rebar. View facing south.

Photo 17- View of entrance slab to Building 51 completed to grade with concrete. View facing south.

APPENDIX B

Waste Disposal Documentation

REPUBLIC SERVICES, INC.

04 55243

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: Harley-Davidson Motor Co.Ops.,Inc.

Address: 1425 Eden Road

City: York County: York

State: PA Zip: 17402

Site Location (if different): _____

CUSTOMER/BILLING INFORMATION

Billing Name: York Waste Disposal

Address: 3730 Sandhurst Drive

City: York County: York

State: PA Zip 17406

Republic Services Approval Number	Description of Waste	Volume/Weight	Expiration Date	Container Type
20717JJ1	Non-Hazardous soils	15.00		20 CuYd
	(Please Provide Weight to Generator)			30
	York Remediation Trust Fund			

*Attach Additional Sheet if necessary.

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Sharon R Fisher — Generator/Authorized Agent Name

X Sharon R Fisher — Signature

1/14/09 — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: York Waste Disposal DOT Number: 348394

Address: 3730 Sandurst Drive Truck Number: ~~373~~ 311

York, PA 17406 Phone Number: (717)-845-1557

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

Name of Authorized Agent

X [signature] — Signature

1/14/09 — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Modern Landfill Phone Number: 717-246-2686

Address: 4400 Mt. Pisgah Road, York, PA 17402

I hereby acknowledge receipt of the above described materials.

Name (Print or Type)

X [signature] — Signature

1/14/09 — Date Received

REPUBLIC SERVICES, INC.

07 42366

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: Harley-Davidson Motor Co. Ops.,Inc.

Address: 1425 Eden Road

City: York County: York

State: PA Zip: 17402

Site Location (if different): _____

CUSTOMER/BILLING INFORMATION

Billing Name: York Waste Disposal

Address: 3730 Sandhurst Drive

City: York County: York

State: PA Zip 17406

Republic Services Approval Number	Description of Waste	Volume/Weight	Expiration Date	Container Type
20717J1	Non-Hazardous Soils	5		20 CuYd
	(Please Provide weight to Generator)	16		
	York Remediation Trust Fund			

*Attach Additional Sheet if necessary.

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Sharon R. Fisher — Generator/Authorized Agent Name

X Sharon R Fisher — Signature

01-17-09 — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: York Waste Disposal DOT Number: 348394

Address: 3730 Sandhurst Drive Truck Number: 311

York, PA 17406 Phone Number: (717) 845-1557

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

Bill Grim — Name of Authorized Agent

X Bill Grim — Signature

1-17-09 — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Modern Landfill Phone Number: 717-246-2686

Address: 4400 Mt. Pisgah Road, York, PA 17406

I hereby acknowledge receipt of the above described materials.

_____ — Name (Print or Type)

X _____ — Signature

1/14/09 — Date Received

Table B-1
Building 51 Waste Disposal Summary
Former York Naval Ordinance Plant - York, PA

	Remediation Area	Volume	Container type	Container Owner	Ref. No.	Date arrived	Date shipped	contents	Destination	Manifest Ref.	Net Wt. (Tons)	
	Bldg 51	20 CY	Roll-off	York Waste		1/14/2009	1/14/2009	non-haz soil	Modern LF	04 55243	15	
	Bldg 51	20 CY	Roll-off	York Waste		1/14/2009	1/14/2009	non-haz soil	Modern LF	07 42366	16.55	
											31.55	