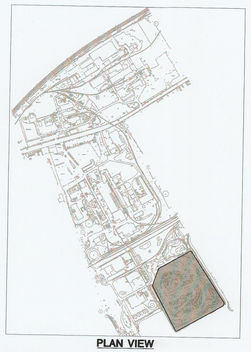
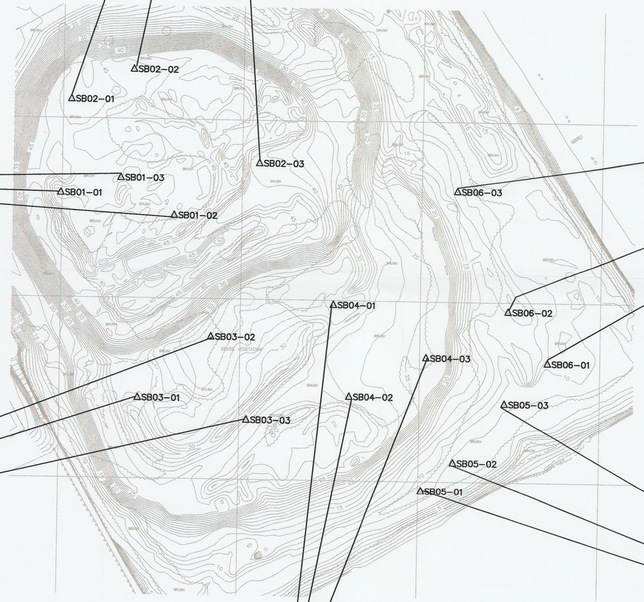


PLAN VIEW

SCALE: 1"=1,000'



SM09-SB02-02 (1.0 - 15.0')		IND RBC EX	RES RBC EX	ECO EX
METALS (mg/kg)				
Aluminum	**5280**			✓
Barium	**360**		✓	
Beryllium	0.99 B			
Calcium	247000			
Chromium	**7.2 B**		✓	✓
Iron	**1200**			✓
Lead	**95.6**			✓
Manganese	8.5 B			
Mercury	**5.4**		✓	✓
Silver	**3.6 B**		✓	✓
Thallium	**0.79 B**		✓	
Vanadium	**8.8 B**			✓
Zinc	9.2 B			

SM09-SB01-02 (1.0 - 15.0')		IND RBC EX	RES RBC EX	ECO EX
METALS (mg/kg)				
Aluminum	**17400**		✓	✓
Barium	**267**		✓	
Beryllium	0.59 B			
Boron	0.99 B			
Cadmium	0.75 B			
Calcium	238000			
Chromium	**25.3**		✓	✓
Cobalt	9.4 B			
Copper	**97.1**			✓
Iron	**15600**		✓	✓
Lead	**347**			✓
Magnesium	2860 B			
Manganese	31.9			
Mercury	**4**		✓	✓
Nickel	7.8 B			
Selenium	**7**		✓	✓
Thallium	**0.59 B**		✓	
Vanadium	**20.7 B**			✓
Zinc	**173**			✓

SM09-SB01-02A (1.0 - 15.0')		IND RBC EX	RES RBC EX	ECO EX
METALS (mg/kg)				
Aluminum	**13400**		✓	✓
Barium	**252**		✓	
Beryllium	0.71 B			
Cadmium	0.81 B			
Calcium	243000			
Chromium	**17.9**		✓	✓
Cobalt	11.5 B			
Copper	**119**			✓
Iron	**20900**		✓	✓
Lead	**415**			✓
Magnesium	3040 B			
Manganese	32.3			
Mercury	**2.7**		✓	✓
Nickel	5.1 B			
Selenium	**5.4 B**		✓	✓
Thallium	**0.48 B**		✓	
Vanadium	**16.7 B**			✓
Zinc	**209**			✓

SM09-SB06-02 (1.0 - 15.0')		IND RBC EX	RES RBC EX	ECO EX
METALS (mg/kg)				
Aluminum	**17200**		✓	
Antimony	**21.8 B**		✓	✓
Arsenic	**324**	✓	✓	✓
Barium	**607**		✓	✓
Beryllium	0.67 B		✓	✓
Cadmium	**4 B**			
Calcium	150000			
Chromium	**40.1**		✓	✓
Cobalt	**60.3**			✓
Copper	**521**		✓	✓
Iron	**97200**	✓	✓	✓
Lead	**2010**			✓
Magnesium	2040 B			
Manganese	80			
Mercury	**19.9**		✓	✓
Nickel	10.5 B			
Potassium	494 B			
Selenium	**117**		✓	✓
Silver	**3.2 B**			✓
Sodium	783 B			
Thallium	**3.6**		✓	✓
Vanadium	**37.6 B**			✓
Zinc	**1460**		✓	✓

SM09-SB03-02 (1.0 - 15.0')		IND RBC EX	RES RBC EX	ECO EX
METALS (mg/kg)				
Aluminum	**24900**		✓	✓
Arsenic	**47.1**	✓	✓	✓
Barium	**303**		✓	
Beryllium	0.44 B			
Cadmium	**3.3 B**		✓	
Calcium	179000			
Chromium	**36.4**		✓	✓
Cobalt	**83.6**			✓
Copper	**316**		✓	✓
Iron	**93200**	✓	✓	✓
Lead	**338**			✓
Manganese	63.1			
Mercury	**0.59**			✓
Nickel	8.3 B			
Selenium	**129**		✓	
Silver	**2.5 B**			✓
Thallium	**2**		✓	✓
Vanadium	**23.3 B**			✓
Zinc	**499**			✓

SM09-SB04-02 (1.0 - 15.0')		IND RBC EX	RES RBC EX	ECO EX
METALS (mg/kg)				
Aluminum	**81000**		✓	✓
Barium	47.4 B			
Beryllium	0.5 B			
Boron	5.3 B			
Calcium	182000			
Chromium	**96.2**		✓	✓
Cobalt	4.1 B			
Copper	25.8 B			
Iron	**5920**		✓	✓
Lead	**57.3**			✓
Magnesium	498 B			
Manganese	24.5			
Mercury	**0.72**			✓
Vanadium	**77**		✓	✓
Zinc	**85.4**			✓

SM09-SB05-02 (1.0 - 12.0')		IND RBC EX	RES RBC EX	ECO EX
METALS (mg/kg)				
Aluminum	**30200**		✓	✓
Arsenic	**16.7**	✓	✓	✓
Barium	122 B			
Beryllium	0.54 B			
Calcium	241000			
Chromium	**29.9**		✓	
Cobalt	5.3 B			✓
Copper	38.7			
Iron	**13000**		✓	
Lead	**93.2**			✓
Magnesium	4260 B			✓
Manganese	25.6			
Mercury	**2.1**		✓	✓
Nickel	3.5 B			
Selenium	**7.8**		✓	✓
Vanadium	**27.1 B**			✓
Zinc	49.1			

SM09-SB05-02A (1.0 - 12.0')		IND RBC EX	RES RBC EX	ECO EX
METALS (mg/kg)				
Aluminum	**26900**		✓	✓
Arsenic	**25.1**	✓	✓	✓
Barium	80.9 B			
Beryllium	0.56 B			
Calcium	236000			
Chromium	**31.4**		✓	✓
Cobalt	5.8 B			
Copper	**90.4**			✓
Iron	**14900**		✓	✓
Lead	**118**			✓
Magnesium	4440 B			
Manganese	27			
Mercury	**2**		✓	✓
Selenium	**10**		✓	✓
Vanadium	**30.5 B**			✓
Zinc	**59.9**			✓

LEGEND

Δ SOIL BORING SAMPLE LOCATION

IND RBC EX – INDUSTRIAL RISK BASED CONCENTRATION EXCEEDANCE

RES RBC EX – RESIDENTIAL RISK BASED CONCENTRATION EXCEEDANCE

ECO EX – ECOLOGICAL CRITERIA EXCEEDANCE

Qualifers:

B = Not detected substantially above the level reported in laboratory or field blanks.
BE = Not detected substantially above the level reported in laboratory or field blanks and calibration was exceeded.
D = Sample was diluted and reanalyzed.
DJ= The reported concentration for this analyte has been diluted and is an estimated value.
E = Calibration was exceeded. The sample was not reanalyzed at a dilution.
J = The reported concentration for this analyte is an estimated value.
K = Analyte present. Reported value may be biased high. Actual value is expected to be lower.
L = Analyte present. Reported value may be biased low. Actual value is expected to be higher.

NOTE:

DUPLICATE SAMPLES ARE DESIGNATED WITH AN "A" SUFFIX (i.e. SM09-SB01-02A IS A DUPLICATE OF SM09-SB01-02).

north

0 25 50 100

SCALE: FEET
1"=100'

RFI REPORT
DELAWARE VALLEY WORKS FACILITY
CLAYMONT, DELAWARE

SWMU 9 SOIL SAMPLE
ANALYTICAL DETECTIONS
1-15 FEET

MWH

FIGURE 6B