

TABLE 4

Material Staging Area Impact to Groundwater Pathway Soil Compliance Averaging Results - Antimony Arithmetic Mean Calculations  
 Site 107, 18 Chapel Avenue,  
 Jersey City, New Jersey

Analyte	IGWSSL
Antimony (mg/kg)	6

Points for Arithmetic Mean ** - Impact to Groundwater Pathway								
Sample ID	Date	Analyte	Sample Start Elevation (ft msl)	Sample End Elevation (ft msl)	Sample Start Depth (ft bgs)	Sample End Depth (ft bgs)	Concentration (mg/kg)	Qualifier
107_K038	01/26/11	Antimony	10.5	10.0	11.5	12.0	2.3	U
107_M038	01/26/11	Antimony	10.5	10.0	8.0	8.5	2.1	U
107_M040	02/09/11	Antimony	10.5	10.0	7.5	8.0	14.7	--
107_M042	02/09/11	Antimony	10.4	9.9	7.5	8.0	7.2	--
107_M046	02/08/11	Antimony	10.5	10.0	8.0	8.5	10.1	--
SW-D1 (10.0-10.5)	07/16/18	Antimony	10.4	9.9	10.0	10.6	<2.5	UJ-
SW-D2 (10.0-10.5)A	11/09/18	Antimony	10.4	9.9	9.7	10.2	<2.4	UJ-
Arithmetic Mean Result = Sum of Sample Results/Total # of Samples							4.6	
								No Remediation Required

**Notes:**

\*\* Since soil impacts were localized in the vadose zone between 9.9 and 10.5 ft msl, the vertical zone established for compliance averaging evaluates the 2 foot soil interval above the water table.

For the Arithmetic Mean calculations: (1) non-detects were adjusted to zero; (2) duplicate analytical results were omitted; and, (3) analytical results for soil samples collected from below the water table were omitted.

*Italicized results exceed New Jersey Department of Environmental Protection Impact to Groundwater Soil Screening Level*

ft - feet

mg/kg - milligrams per kilogram

msl - above mean sea level

bgs - below ground surface

U - Indicates the analyte was analyzed for but not detected

UJ - Indicates the analyte was not detected above the reporting limit.