



**Abbreviations:**  
 Cr<sup>6</sup> - hexavalent chromium  
 CrSCC - Chromium Soil Cleanup Criteria  
 FD - field duplicate  
 GA Group - Garfield Avenue Group  
 mg/kg - milligram per kilogram  
 NJDEP - New Jersey Department of Environmental Protection  
 RI - Remedial Investigation  
 SSRI - Supplemental Soil Remedial Investigation

**Data Qualifiers:**  
 J - Indicates the result was an estimated value; the associated numerical value was an approximate concentration of the analyte in the sample.  
 U - Indicates that the analyte was not detected in the sample above the sample reporting limit.  
 UJ - Indicates that the analyte was not detected above the reporting limit and the reporting limit was approximate.  
 RA - The sample result was rejected but is useable.

**Notes:**  
 1. Boring locations within the numbered chrome site's boundary are shown for reference purposes only.  
 2. Cr<sup>6</sup> impacts located on Site 199 will not be addressed as part of the GA Group sites.  
 3. Depths are displayed in feet below ground surface (ft bgs).  
 4. Results are reported in mg/kg.  
 5. Red font indicates an exceedance of the NJDEP CrSCC (≥ 20 mg/kg) dated September 2008, revised April 2010.  
 6. Preliminary design investigations (PDI) for soil remediation and implementation of soil remediation have been ongoing throughout the course of the Soil RI and SSRI. A few additional areas with impacted soil that are outside of the area delineated during the Soil RI have been identified during the PDI and remediation programs. These areas are being addressed during the remediation program and the resulting data for soils remaining in place will be presented in the final Remedial Action Report for each remediation area.  
 7. The Jersey City parcels boundaries source is the "NJ Composite of Parcels Data with Joined MOD-IV Attributes 2017" dataset from New Jersey Geographic Information Network, available at: [https://njin.state.nj.us/NJ\\_NGINExplorer/DataDownloads.jsp](https://njin.state.nj.us/NJ_NGINExplorer/DataDownloads.jsp). The parcel boundaries provided by this source are not surveyed data.

Locations/Depths With No Exceedances	Locations/Depths With No Exceedances
CV9 25.0 - 25.5	GE 4.1 - 4.6 5.6 - 6.1 8.1 - 8.6 12.1 - 12.6 16.1 - 16.6 20.5 - 21.0 24.5 - 25.0
EF-118 5.0 - 5.5 7.0 - 7.5 16.0 - 16.5 17.0 - 17.5	GG 4.4 - 4.9 5.5 - 6.0 8.4 - 8.9 12.4 - 12.9 13.0 - 13.5
EF-119 4.0 - 4.5 6.0 - 6.5	TPA 1.5 - 2.0 3.0 - 3.5
EF-35 0.5 - 1.0 2.0 - 2.5 4.0 - 4.5 10.0 - 10.5 12.0 - 12.5 16.0 - 16.5 20.0 - 20.5	TPB 1.1 - 1.6 2.5 - 3.0
EF-36 0.5 - 1.0 2.0 - 2.5 4.0 - 4.5 6.0 - 6.5 12.0 - 12.5 15.5 - 16.0 20.0 - 20.5	
EF-37 0.5 - 1.0 2.0 - 2.5 4.0 - 4.5 6.0 - 6.5 11.0 - 11.5	
EF-38 0.5 - 1.0 2.0 - 2.5	
EF-38A 0.5 - 1.0 2.0 - 2.5 4.0 - 4.5 6.0 - 6.5 11.0 - 11.5 16.0 - 16.5 21.0 - 21.5	
EF-39 0.5 - 1.0 2.0 - 2.5 4.0 - 4.5 6.0 - 6.5 11.0 - 11.5 17.0 - 17.5 20.0 - 20.5	
EF-40 0.5 - 1.0 2.0 - 2.5 4.0 - 4.5 6.0 - 6.5 11.0 - 11.5 17.5 - 18.0 20.0 - 20.5	
EF-41 0.5 - 1.0 2.0 - 2.5 4.0 - 4.5 6.0 - 6.5 10.5 - 11.0 16.0 - 16.5 21.0 - 21.5	
EF-42 0.5 - 1.0 2.0 - 2.5 4.0 - 4.5 6.0 - 6.5 12.5 - 13.0 17.5 - 18.0 20.0 - 20.5	
EF-43 0.5 - 1.0 2.0 - 2.5 4.0 - 4.5 6.0 - 6.5 11.0 - 11.5 15.0 - 15.5 21.0 - 21.5	
GAR-PDI-A'3B 1.0 - 1.5 3.0 - 3.5 5.0 - 5.5 6.0 - 6.5 6.5 - 7.0 7.0 - 7.5 9.0 - 9.5 11.0 - 11.5 13.0 - 13.5 15.0 - 15.5 17.0 - 17.5 19.0 - 19.5 20.0 - 20.5	
GAR-PDI-A'4B 1.0 - 1.5 3.0 - 3.5 5.0 - 5.5 6.0 - 6.5 7.0 - 7.5 9.0 - 9.5 11.0 - 11.5 13.0 - 13.5 15.0 - 15.5 17.0 - 17.5 19.0 - 19.5 20.0 - 20.5	
GAR-PDI-B'12A 6.5 - 7.0 7.0 - 7.5 18.0 - 18.5 20.0 - 20.5	
GAR-PDI-B'8A 1.5 - 2.0 3.5 - 4.0 4.5 - 5.0 6.5 - 7.0 8.5 - 9.0 10.5 - 11.0 12.0 - 12.5 12.5 - 13.0 14.5 - 15.0 16.5 - 17.0 18.5 - 19.0 20.0 - 20.5	
GC 4.0 - 4.5 6.0 - 6.3 8.0 - 8.5	
GD 4.0 - 4.5 5.9 - 6.4 8.0 - 8.5	

**LEGEND**

- RI BORING OUTSIDE THE NUMBERED CHROME SITE BOUNDARY
- RI BORING INSIDE THE NUMBERED CHROME SITE BOUNDARY
- SSRI BORING
- ADDITIONAL NON-RI BORING
- NO CCPW METALS EXCEEDANCE AT THIS BORING LOCATION
- SOIL ANALYTICAL RESULTS EXCEEDING THE NJDEP CrSCC (≥ 20 mg/kg)
- APPROXIMATE SITE BOUNDARIES
- FORMER MORRIS CANAL
- NUMBERED CHROME SITE BOUNDARY
- JERSEY CITY PARCEL BOUNDARIES

MAXIMUM EXTENT OF VISIBLE CCPW MATERIAL AND/OR CR<sup>6</sup> CONCENTRATIONS GREATER THAN THE NJDEP CRSCC. THE LINE IS DRAWN THROUGH VERIFIED CLEAN SOIL BORING LOCATIONS THROUGHOUT THE GA GROUP SITES.

ANTICIPATED MAXIMUM EXTENT OF VISIBLE CCPW MATERIAL AND/OR CR<sup>6</sup> CONCENTRATIONS GREATER THAN THE NJDEP CRSCC. ADDITIONAL SAMPLING AS PART OF THE PDI PROGRAM OR POST-EXCAVATION SAMPLING IS ONGOING TO FINALIZE DELINEATION.

PPG  
 GARFIELD AVENUE GROUP  
 JERSEY CITY, NEW JERSEY

DATE: 05/09/2018

SOIL COMPARISON TO NJDEP CrSCC - NORTHWEST GARFIELD AVENUE SITES, HEXAVALENT CHROMIUM

FIGURE 5-5

