TABLE 5-1
Sample Summary
PPG Non-Residential Chromium Remediation Project
Remedial Action Work Plan

Sample Location Name	Medium	Sample Depth[1]	Analytical Parameters	Sampling Method
Phase I				
114-Grid ID-Sample Interval/Depth	Soil	Excavation Bottom	Field Screening, Cr, Cr+6, Eh, pH[2,3]	Disposable Trowel/Pan
114-G1A-15-15.5 (example only)	Soil	Excavation Bottom	Field Screening, Cr, Cr+6, Eh, pH[2,3]	Disposable Trowel/Pan
Phase II[3]				
114-Grid ID-Sample Interval/Depth	Soil	Excavation Bottom	Field Screening, Cr, Cr+6, Eh, pH[2,3]	Disposable Trowel/Pan
114-N1B-15-15.5 (example only)	Soil	Excavation Bottom	Field Screening, Cr, Cr+6, Eh, pH[2,3]	Disposable Trowel/Pan
Phase III				
Site #-Grid ID-Sample Interval/Depth	Soil	Excavation Bottom	Field Screening, Cr, Cr+6, Eh, pH[2]	Disposable Trowel/Pan
143-B15A-15-15.5 (example only - bottom sample)	Soil	Excavation Bottom	Field Screening, Cr, Cr+6, Eh, pH[2]	Disposable Trowel/Pan
Site #-Grid ID-EWcoordinate(N, E, W, S, NE, NW, SE, SW)-Sample Interval/Depth	Soil	Excavation Sidewall	Field Screening, Cr, Cr+6, Eh, pH[2]	Disposable Trowel/Pan
132-B15A-EWNE-15 (example only - sidewall sample)	Soil	Excavation Sidewall	Field Screening, Cr, Cr+6, Eh, pH[2]	Disposable Trowel/Pan
132-B15A-EWE-15-15.5 (example only - sidewall sample)	Soil	Excavation Sidewall	Field Screening, Cr, Cr+6, Eh, pH[2]	Disposable Trowel/Pan
Public Roadways				
First 3 letters of street name-Grid ID-Sample Interval	Soil	Excavation Bottom	Field Screening, Cr, Cr+6, Eh, pH[2]	Disposable Trowel/Pan
CAR-K14A-15-15.5 (example only - bottom sample)	Soil	Excavation Bottom	Field Screening, Cr, Cr+6, Eh, pH[2]	Disposable Trowel/Pan
CARHAL-Y19A-15-15.5 (example only - bottom sample in intersection)	Soil	Excavation Bottom	Field Screening, Cr, Cr+6, Eh, pH[2]	Disposable Trowel/Pan
Waste Classification for All Remedial Activities				
114-A1-YYMMDD[4]	Waste Classification[5]	Composite	Full TCLP, RCRA, PCB, TCLVOC, TCLSVOC, TALMetals, TPH, Cr+6	Disposable Trowel/Pan
QA Samples for All Remedial Activities				
Site Number-FBYYYYMMDD	Field Blank	Composite	Same as sample parameters collected day of field blank collection	NA
Site Number-TBYYYYMMDD	Trip Blank	Composite	TCLVOC (aqueous only)	NA

Notes:

[1] Sample depth for excavation bottom will be field selected.

[2] Soils will be visually logged (test pit profiling, physical screening for screen size, visual screening for percent COPR) and field screened with a Photoionization Detector (PID) for volatile organic compounds (VOCs). Other field screening may include: 1) XRF screening for metals, and/or 2) calcium field screening with hydrochloric acid. 10% of samples will be analyzed for TAL metals, VOC, and SVOC.

[3] Additional PCB analysis will be added to grids C5A, A2A, DD3A, V7B, X6B, W11B, Y6B, V7B and W7B (which are known to have or had PCB contamination).

[4] The number of waste classification samples will vary dependent upon the total quantity and type of waste generated for offsite disposal. A1 = Stockpile designation which varies. YY = Last two digits of the year; MM = month; DD = day.

[5] Waste classification samples will be generally analyzed at a frequency of 1 composite per 500 tons. Field sample frequency and/or sample parameters will be dependent upon disposal facility selection.

Cr - Total chromium

Cr+6 - Hexavalent chromium

Eh - Laboratory based oxidation reduction potential

pH - pH standard units

COPR - Chromite Ore Processing Residue

NA - Not applicable

SPLP - Synthetic Precipitation Leaching Procedure

Field Exam - Visual and sieve analysis for percent COPR and presence of Green-Gray Mud

RCRA 8 - 8 RCRA metals

TCLP - Toxicity Characteristics Leaching Procedure (TCLP)

TCLVOC - Target Compound List Volatile organics

TCLSVOC - Target Compound List Semi-volatile organics

TALMetals - Target Analyte List Metals

PCB - Polychlorinated biphenyls

TOC - Total Organic Carbon

RCRA - RCRA Characteristics of Ignitability, Corrosivity and Cyanide/Sulfide Reactivity

TPH - Total Petroleum Hydrocarbons