



Prepared for:
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Project #: 60545281
May 2019

Remedial Action Report Site 132 (AOC 132-1) Soil Final

NJDEP Program Interest Number: G000008749

PPG Garfield Avenue Group
Hudson County Chromate Sites
Jersey City, New Jersey

Regulatory Forms

- Case Inventory Document (CID)
- Cover/Certification Form
- Receptor Evaluation Form
- Public Notification Form
- Full Laboratory Data Deliverables Form

Case Name: Garfield Avenue Group
Chrome Sites - Site 132
G000008749, Activity #
PI #: RPC900001

IMPORTANT: 1) Do not delete or copy and paste across multiple columns because it can disrupt hidden equations.

2) If pasting from a Word document, use the Paste option: Match Destination Formatting

3) If the text turns red you have exceeded the character limit for that column

Case Inventory Document Version 1.4 02/23/17

AOC ID	AOC Type	AOC Description	Confirmed Contamination	AOC Status	Status Date	Incident #	DEP AOC Number	Contaminated Media	Contaminants of Concern	Additional Contaminants of Concern	Additional Contaminants of Concern	Applicable Remediation Standard	Exposure Route	Additional Exposure Route	RA Type	Additional RA Type	Additional RA Type	Was an Order of Magnitude Evaluation Conducted?	Activity
132-1	Environmental media - Media Soil, including soil vapor pore spaces	Chromate Chemical Production Waste (CCPW)-impacted material likely used as fill	Yes	RAR	5/6/2019			Soil	Metals			AOC Specific ARS and Remediation Standards	Ingestion/Dermal	Inhalation	Excavation				This AOC covers Site 132. Hexavalent chromium (Cr+6) and Chromate Chemical Production Waste (CCPW) metals (antimony, chromium, nickel, thallium, and vanadium) are the primary constituents of concern (COCs) in the area. Remedial investigation of Site 132 and adjacent properties was documented in the 2012 Remedial Investigation Report (RIR). Delineation is complete for Cr+6 and CCPW metals. For the Garfield Avenue (GA) Group sites and adjacent areas (including Site 132), the New Jersey Department of Environmental Protection (NJDEP) approved an Alternative Remedial Standard (ARS) for vanadium (V) of 390 milligrams per kilogram (mg/kg) for use in place of the Residential Direct Contact Soil Remediation Standard (RDCSRS). Synthetic Precipitation Leaching Procedure (SPLP) was used to calculate site-specific Impact to Groundwater Soil Remediation Standards (IGWSRS) for antimony (Sb) and nickel (Ni), as approved by NJDEP on October 22, 2018. The site-specific IGWSRS for Sb and Ni are 62.7 mg/kg and 170 mg/kg, respectively. The April 2012 Draft Remedial Action Work Plan (RAWP) (Soil), Revision 2, for the GA Group, presented the plan for excavation and disposal of accessible source material and impacted soil in accordance with the Chromium Policy as the selected remedial action. The Draft RAWP was conditionally approved by the NJDEP. The Final RAWP (Soil) Rev. 4 was submitted in September 2018 and approved by NJDEP on November 9, 2018. Within this AOC, target excavation elevations for the removal of CCPW and COCs in soil were presented in memoranda from PPG to NJDEP between June 2013 and July 2014. The excavation of chromium-impacted soil and the placement of clean backfill in AOC 132-1 began in April 2014 and was completed in May 2015. Clean fill for a majority of the site was amended with FerroBlack-H. Restoration of Site 132 was completed in January 2018. Compliance with the antimony Soil Remediation Standard (SRS) was demonstrated through compliance averaging.



New Jersey Department of Environmental Protection
Site Remediation and Waste Management Program

COVER/CERTIFICATION FORM

(Submit with Remedial Phase Report, Receptor Evaluation, and CEA Forms)

Date Stamp
(For Department use only)

SECTION A. SITE INFORMATION

Site Name: Hudson County Chromate - Site 132

AKAs: Former Town and Country Linen Warehouse

Street Address: 824 Garfield Avenue

Municipality: Jersey City (Township, Borough or City)

County: Hudson Zip Code: 07305

Program Interest (PI) Number(s): G000008749

Case Tracking Number(s) for this submission: RPC900001

Date Remediation Initiated Pursuant to N.J.A.C. 7:26C-2: 07/19/1990

State Plane Coordinates for a central location at the site: Easting: 611074 Northing: 682924

List current Municipal Block and Lot Numbers of the Site:

Block # <u>21510</u>	Lot #(s) <u>2</u>	Block # _____	Lot #(s) _____
Block # _____	Lot #(s) _____	Block # _____	Lot #(s) _____
Block # _____	Lot #(s) _____	Block # _____	Lot #(s) _____
Block # _____	Lot #(s) _____	Block # _____	Lot #(s) _____

SECTION B. SUBMISSION STATUS

1. Indicate how the Electronic Data Deliverable (EDD) for this submission is being provided to the NJDEP:

- ☒ Via Email at srpedd@dep.state.nj.us (attach NJDEP confirmation email); or
☐ CD (attach to this submission)
☐ Not Applicable – No EDD

2. Complete the following Submission and Permit Status Table:

	N/A	Included in this Submission	Previously Submitted	Date of Submission	Date of Revised Submission	Date of Previous NJDEP Approval	Date of Document Withdrawal
Remedial Phase Documents							
Preliminary Assessment Report	☒	☐	☐				
Site Investigation Report	☒	☐	☐				
Remedial Investigation Report	☐	☐	☒	02/27/2012	08/30/2018	10/22/2018	
Remedial Action Work Plan	☐	☐	☒	12/05/2014	09/27/2018	11/09/2018	
Remedial Action Report	☐	☒	☐				
Response Action Outcome	☒	☐	☐				
Other Submissions							
Alternative Soil Remediation Standard and/or Screening level Application Form	☐	☐	☒	12/06/2016		12/28/2016	
Case Inventory Document		☒					
Classification Exception Area / Well Restriction Area (CEA/WRA)	☒	☐	☐				
Discharge to Ground Water Permit by Rule Authorization Request	☐	☐	☒	08/30/2012	07/13/2017	10/11/2017	

IEC Engineered System Response Action Report	☒	☐	☐				
Immediate Environmental Concern Report	☒	☐	☐				
LNAPL Interim Remedial Measure Report	☒	☐	☐				
Public Notification	☐	☒	☐				
Receptor Evaluation	☐	☒	☐				
Technical Impracticability Determination	☒	☐	☐				
Vapor Concern Mitigation Report	☒	☐	☐				
Permit Application – list:	☐						
Water Use Registration		☐	☒	05/12/2010		06/30/2010	
Historic Preservation Office		☐	☒	03/18/2015		05/11/2015	
		☐	☐				
		☐	☐				
Radionuclide Remedial Action Report	☒	☐	☐				
Radionuclide Remedial Action Workplan	☒	☐	☐				
Radionuclide Remedial Investigation Report	☒	☐	☐				
Radionuclide Remedial Investigation Workplan	☒	☐	☐				

SECTION C. SITE USE

Current Site Use: (check all that apply)

- ☐ Industrial ☐ Agricultural
☐ Residential ☐ Park or recreational use
☐ Commercial ☒ Vacant
☐ School or child care ☐ Government
☐ Other: _____

Intended Future Site Use, if known: (check all that apply)

- ☐ Industrial ☐ Park or recreational use
☒ Residential ☐ Vacant
☒ Commercial ☐ Government
☐ School or child care ☐ Future site use unknown
☒ Other: Canal Crossing Redevelopment**

SECTION D. CASE TYPE: (check all that apply)

☒ Administrative Consent Order (ACO)	☐ Landfill (SRP subject only)
☐ Brownfield Development Area (BDA)	☐ Regulated Underground Storage Tank (UST)
☐ Child Care Facility	☐ Remediation Agreement (RA)/Remediation Certification
☒ Chrome Site (Chromate chemical production waste)	☐ School Development Authority (SDA)
☐ Coal Gas	☐ School facility
☐ Due Diligence with RAO	☐ Spill Act Defense – Government Entity
☐ Hazardous Discharge Remediation Fund (HDSRF) Grant/Loan	☐ Spill Act Discharge
☐ ISRA	☐ UST Grant/Loan
	☐ Other: _____

Federal Case (check all that apply)

- ☐ RCRA GPRA 2020 ☐ CERCLA/NPL ☐ USDOD ☐ USDOE

1. Is the party conducting remediation a government entity? ☐ Yes ☒ No
 If "Yes," check one: ☐ Federal ☐ State ☐ Municipal ☐ County

SECTION E. PUBLIC FUNDS

Did the remediation utilize public funds? ☐ Yes ☒ No

If "Yes," check applicable:

☐ UST Grant	☐ UST Loan	☐ Brownfield Reimbursement Program
☐ HDSRF Grant	☐ HDSRF Loan	☐ Landfill Reimbursement Program
☐ Spill Fund	☐ Schools Development Authority	☐ Environmental Infrastructure Trust

SECTION F. LICENSED SITE REMEDIATION PROFESSIONAL INFORMATION AND STATEMENT

LSRP ID Number: _____

First Name: _____ Last Name: _____

Phone Numbers: _____ Ext.: _____ Fax: _____

Mailing Address: _____

Municipality: _____ State: _____ Zip Code: _____

Email Address: _____

This statement shall be signed by the LSRP who is submitting this notification in accordance with N.J.S.A. 58:10C-14, and N.J.S.A. 58:10B-1.3b(1) and (2).

- (1) *I certify, as a Licensed Site Remediation Professional authorized pursuant to N.J.S.A. 58:10C-1 et seq. to conduct business in New Jersey, that for the remediation described in this submission, and all attachments included in this submission, I personally: Managed, supervised, or performed the remediation conducted at this site that is described in this submission, and all attachments included in this submission; and/or periodically reviewed and evaluated the work performed by other persons that forms the basis for the information in this submission; and/or completed the work of another site remediation professional, licensed or not, after having: (1) reviewed all available documentation on which I relied; (2) conducted a site visit and observed the then-current conditions and verified the status of as much of the work as was reasonably observable; and (3) concluded, in the exercise of my independent professional judgment, that there was sufficient information upon which to complete any additional phase of remediation and prepare workplans and reports related thereto.*
- (2) *I certify:*
- *That I have read this submission and all attachments to this submission;*
 - *That in performing the professional services as the licensed site remediation professional for the entire site or each area of concern, I adhered to the professional conduct standards and requirements governing licensed site remediation professionals provided in N.J.S.A. 58:10C-16;*
 - *That the remediation conducted at the entire site or each area of concern, that is described in this submission and all attachments to this submission, was conducted pursuant to and in compliance with the remediation requirements in N.J.S.A. 58:10C-14.c;*
 - *That the remediation described in this submission, and all attachments to this submission, was conducted pursuant to and in compliance with the regulations of the Site Remediation Professional Licensing Board at N.J.A.C. 7:26I; and*
 - *That the information contained in this submission and all attachments to this submission is true, accurate, and complete.*
- (3) *I certify, when this submission includes a response action outcome, that the entire site or each area of concern has been remediated in compliance with all applicable statutes, rules, and regulations and is protective of public health and safety and the environment.*
- (4) *I certify that no other person is authorized or able to use any password, encryption method, or electronic signature that the Board or the Department have provided to me.*
- (5) *I certify that I understand and acknowledge that:*
- *If I knowingly make a false statement, representation, or certification in any document or information I submit to the Department I may be subject to civil and administrative enforcement pursuant to N.J.S.A. 58:10C-17.a.1(a) through (f) by the Board, including but not limited to license suspension, revocation, or denial of renewal; and*
 - *If I purposely, knowingly, or recklessly make a false statement, representation, or certification in any application, form, record, document or other information submitted to the Department or required to be maintained pursuant to the Site Remediation Reform Act, I shall be guilty, upon conviction, of a crime of the third degree and shall, notwithstanding the provisions of subsection b. of N.J.S.2C:43-3, be subject to a fine of not less than \$5,000 nor more than \$75,000 per day of violation, or by imprisonment, or both.*
- (6) *I certify that I have read this certification prior to signing, certifying, and making this submission.*

LSRP Signature: _____

Date: _____

LSRP Name: _____

Company Name: _____

SECTION G. PERSON RESPONSIBLE FOR CONDUCTING THE REMEDIATION INFORMATION AND CERTIFICATIONFull Legal Name of the Person Responsible for Conducting the Remediation: PPGRepresentative First Name: MarkRepresentative Last Name: TerrilTitle: Corporate Director, Environmental AffairsPhone Number: (412) 434-2708

Ext.: _____

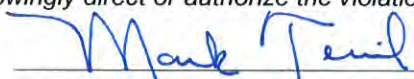
FAX: _____

Mailing Address: One PPG PlaceMunicipality: PittsburghState: PAZip code: 15219Email Address: terril@ppg.com

This certification shall be signed by the person responsible for conducting the remediation who is submitting this notification in accordance with Administrative Requirements for the Remediation of Contaminated Sites rule at N.J.A.C. 7:26C-1.5(a).

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein, including all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, to the best of my knowledge, I believe that the submitted information is true, accurate and complete. I am aware that there are significant civil penalties for knowingly submitting false, inaccurate or incomplete information and that I am committing a crime of the fourth degree if I make a written false statement which I do not believe to be true. I am also aware that if I knowingly direct or authorize the violation of any statute, I am personally liable for the penalties.

Signature: _____



Date: _____

4/24/2019Name/Title: Mark Terril / Corporate Director, Environmental Affairs**For CEA Submissions:**

☐ Check this box if the person above is also the property owner of the site or their representative. If this person is not the site property owner, please ensure the site property owner's name and address is in the first line of the table in Section E.2 of the Classification Exception Area / Well Restriction Area (CEAWRA) Fact Sheet Form.

Completed forms should be sent to:

Bureau of Case Assignment & Initial Notice
Site Remediation Program
NJ Department of Environmental Protection
401-05H
PO Box 420
Trenton, NJ 08625-0420



New Jersey Department of Environmental Protection
Site Remediation and Waste Management Program

RECEPTOR EVALUATION (RE) FORM

Date Stamp
(For Department use only)

SECTION A. SITE

Site Name: Hudson County Chromate - Site 132 (HCC Site 132; Town & Country Linen Warehouse)

Program Interest (PI) Number(s): G000008749 Activity RPC900001

Communication Center Number(s) and/or ISRA number(s) for this submission: (as many as will fit in the space provided)

**This form must be attached to the Cover/Certification Form
if not submitted through a Remedial Phase Online Service**

Indicate the type of submission:

☐ Initial RE Submission

☒ Updated RE Submission

Indicate the reason for submission of an updated RE form

☐ Submission of an Immediate Environmental Concern (IEC) source control report;

☐ Submission of a Remedial Investigation Report;

☒ Submission of a Remedial Action Report;

Check if included in updated RE

☐ The known concentration or extent of contamination in any medium has increased;

☐ A new AOC has been identified;

☐ A new receptor is identified;

☐ A new exposure pathway has been identified.

SECTION B. ON SITE AND SURROUNDING PROPERTY USE

1. Identify any sensitive populations/uses that are currently on-site or surrounding property usage within 200 feet of the site property boundary (check all that apply):

	On-site	Off-site
None of the following	☒	☐
Residences or residential property	☐	☒
Public or Private Schools Grades K-12	☐	☐
Child care centers	☐	☐
Public parks, playgrounds or other recreation areas	☐	☐
Other sensitive population use(s) Explain	☐	☐

If any of the above applies, attach a list of addresses, facility names, type of use, and a map depicting each location relative to the site. [See Attachment 1](#)

2. Current site uses (check all that apply):

☐ Industrial	☐ Residential	☐ Commercial
☐ School or child care	☐ Government	☐ Park or recreational use
☒ Vacant	☐ Agricultural	☐ Other: _____

3. Planned future on-site uses and off-site uses within 200 feet of the site boundary (check all that apply):

On-Site	Off-Site	On-Site	Off-Site	On-Site	Off-Site
☐	☐ Industrial	☒	☒ Residential	☒	☒ Commercial
☐	☐ School or child care	☐	☐ Government	☐	☐ Park or recreational use
☐	☐ Vacant	☐	☐ Agricultural	☒	☒ Other: Canal Crossing

Provide a map depicting the location of the proposed changes in land use.

Redevelopment**

SECTION C. DESCRIPTION OF CONTAMINATION

1. Identify if any of the following exist at the site:

Yes No

☐ ☒ Free product [N.J.A.C. 7:26E-1.8] identified is ☐ LNAPL* or ☐ DNAPL**.

Date identified: _____

☐ ☒ Residual product [N.J.A.C. 7:26E-1.8]

☐ ☒ Other primary source materials not identified above (e.g., buried drums, containers, unsecured friable asbestos). See form instructions for additional information.

Explain: Source material in AOC 132-1 has been remediated.

* LNAPL – measured thickness of .01 feet or more

**DNAPL – See *Ground Water Technical Guidance and USEPA Assessment and Delineation of DNAPL Source Zones at Hazardous Waste Sites* (attached as Appendix A of the NJDEP GW Guidance) available at: http://www.nj.gov/dep/srp/guidance/#pa_si_ri_gw. Also, see US EPA DNAPL Overview available at: [http://clu.in.org/contaminantfocus/default.focus/sec/Dense_Nonaqueous_Phase_Liquids_\(DNAPLS\)/cat/Overview](http://clu.in.org/contaminantfocus/default.focus/sec/Dense_Nonaqueous_Phase_Liquids_(DNAPLS)/cat/Overview)

2. Soil Migration Pathway

Has soil contamination been delineated to the applicable Direct Contact Soil

Remediation Standard pursuant to N.J.A.C. 7:26E-4.2? ☒ Yes ☐ No

Are all soils either below the applicable Direct Contact Criteria or under an institutional control (i.e. deed notice)? ☒ Yes* ☐ No

3. If this evaluation is submitted with a technical document that includes contaminant summary information, proceed to Section D. Otherwise, attach a brief summary of all currently available data and information to be included in the site investigation or remedial investigation report.

SECTION D. GROUND WATER USE

1. Have all potentially contaminated areas of concern been evaluated to determine if there is a potential that ground water is contaminated pursuant to N.J.A.C. 7:26E-3.5? ☒ Yes ☐ No

If “No,” proceed to Section E.

2. Is a ground water investigation required? ☒ Yes ☐ No

If “No,” proceed to Section E.

3. Has a groundwater investigation been conducted? ☒ Yes ☐ No

If “Yes”:

Has the laboratory data package been received? ☒ Yes ☐ No

If the laboratory data package has not been received, provide the expected due date for data: _____ and proceed to Section E.

If “No”:

Proceed to Section E.

4. Is ground water contaminated above the Ground Water Remediation Standards [N.J.A.C.7:9C]? ☒ Yes ☐ No

If “Yes”: Provide the date that the laboratory data package was available and confirmed contamination was identified above the Ground Water Remediation Standards.

Date: 05/15/2007

If “No”: Proceed to Section E.

5. Has ground water contamination been delineated to the applicable Remediation Standard pursuant to N.J.A.C 7:26E-4.3? ☐ Yes ☒ No

6. What is the ground water classification for this site as per N.J.A.C. 7:9C? (check all that apply)

☐ Class I-A ☒ Class II-A
☐ Class I-PL Pinelands Protection Area ☐ Class III-A
☐ Class I-PL Pinelands Preservation Area ☐ Class III-B

7. Has a well search been completed?.....☒ Yes ☐ No

Date of most recent or updated well search: 03/26/2019 [See Attachment 2](#)

8. Is a completed Well Search Spreadsheet or historical well search table attached and has an electronic copy of the spreadsheet been submitted to srpgis_wrs@dep.nj.gov.☐ Yes ☒ No

Note: Redacted wells must be excluded from all non-confidential documents including maps, tables, etc. (see RE Instructions).

If "**No**," explain: Case is under direct oversight. RE and attachments are going to NJDEP case manager.

9. Are any potable or irrigation wells located within ½ mile of the currently known extent of contamination?☐ Yes ☒ No

If "**Yes**,":

- A door to door survey is required in accordance with [N.J.A.C.7:26E-1.14(a)ii]. Attach results of the door to door survey.
- Identify if any of the following conditions exist based on the well search and door to door survey [N.J.A.C.7:26E-1.14(a)]:

Yes No

☐	☐	Potable wells located within 500 feet from the downgradient edge of the currently known extent of contamination.
☐	☐	Potable wells located 250 feet upgradient or 500 feet side gradient of the currently known extent of contamination.
☐	☐	Ground water contamination from the discharge is located within a Tier 1 wellhead protection area (WHPA).

10. Has sampling been conducted of ☐ potable well(s) and /or ☐ non-potable use well(s)?☐ Yes ☐ No

If "No," provide justification then proceed to Question 12.

11. Has contamination been identified in potable well(s), **not attributed to background conditions**, above the Class II Ground Water Remediation Standards or State Safe Drinking Water levels, N.J.A.C 7:1E, whichever is applicable?☐ Yes ☐ No

If "**Yes**,":

- Provide the date laboratory data package was received: _____
- Follow the **IEC** Guidance Document at <http://www.nj.gov/dep/srp/guidance/IEC/index.html> for required actions and answer the following:
- Has an engineered system response action been completed on all impacted receptors?☐ Yes ☐ No
Provide a brief narrative description:

Date completed: _____ NJDEP Case Manager: _____

12. Has contamination been identified in non-potable well(s), **not attributed to background conditions**, above the Class II Ground Water Remediation Standards?.....☐ Yes ☒ No

If "**Yes**," provide the date laboratory data package was received: _____

13. Has the ground water use evaluation been completed pursuant to N.J.A.C. 7:26E-1.14?☒ Yes ☐ No

SECTION E. VAPOR INTRUSION (VI) [See Note 1](#)

1. Indicate if any of the following conditions exist that trigger a Vapor Intrusion investigation. For each condition checked "Yes", provide the date the condition was first identified (e.g. date laboratory data package was available). (see *NJDEP Vapor Intrusion Technical Guidance*)

Yes	No		Date Condition First Identified
☐	☐	Ground water contamination in excess of the NJDEP Vapor Intrusion Ground Water Screening Levels (VIGWSL) and within 30 feet of a building for Petroleum Hydrocarbon Compounds (PHC) or 100 feet for non-PHC compounds ..	
☐	☐	Free product within 30 feet of a building for PHC or 100 feet for non-PHC compounds ..	
☐	☐	Soil gas contamination detected at concentrations that exceed the Soil Gas Screening Levels (SGSL) ..	
☐	☐	Indoor air contamination that exceeds the Indoor Air Screening Levels.....	
☐	☐	Wet basement or sump containing free product or ground water containing detectable concentration of volatile organic contaminants.....	
☐	☐	Methane generating conditions causing oxygen deficient or explosion concern	
☐	☐	Other human or safety concern from the VI pathway (i.e. elemental mercury, unsaturated soil contamination), <i>explain below:</i>	

If you checked "No" to all boxes in Question 1., proceed to Section F, "Ecological Receptors", otherwise complete the rest of this section.

2. Has ground water contamination been delineated to the applicable Vapor Intrusion Ground Water Screening Levels pursuant to N.J.A.C 7:26E-4.3? ☐ Yes ☐ No
3. Was a site-specific screening level, modeling or other alternative approach employed for the VI pathway? ☐ Yes ☐ No
4. Identify and locate, on a scaled map, any buildings/sensitive populations that exist within the following distances from ground water contaminant concentrations above the Vapor Intrusion Ground Water Screening Levels or other specific triggers noted in Question 1 above.:
- | Yes | No | |
|--------------------------|--------------------------|---|
| ☐ | ☐ | 30 feet of petroleum free product or dissolved petroleum hydrocarbon contamination in ground water |
| ☐ | ☐ | 100 feet of any non-petroleum free product (e.g. chlorinated hydrocarbons) or any non-petroleum dissolved volatile organic ground water contamination |
| ☐ | ☐ | Other specific triggers |
| ☐ | ☐ | No buildings exist within the specified distances or other specific triggers |
5. Is the vapor intrusion pathway a concern at or adjacent to the site? (if "No," attach justification)..... ☐ Yes ☐ No
6. Has soil gas sampling of the building(s) been conducted? ☐ Yes ☐ No
- If "Yes," has the laboratory data package been received? ☐ Yes ☐ No
- If the data package was received, did constituents exceed the Soil Gas Screening Levels? ☐ Yes ☐ No
- If "No," attach technical justification consistent with the NJDEP Vapor Intrusion Technical Guidance.
7. Has indoor air sampling been conducted at the identified building(s)? ☐ Yes ☐ No
- If "Yes," has the laboratory data package been received? ☐ Yes ☐ No
- If the data package has been received, did constituents exceed the Indoor Air Screening Levels? .. ☐ Yes ☐ No
- If "No," or awaiting indoor air laboratory data package, proceed to Question 12.

8. Has indoor air contamination been identified but not suspected to be from a discharge?
(if "Yes," attach justification) ☐ Yes ☐ No
9. Were indoor air results above the NJDEP's Rapid Action Levels? ☐ Yes ☐ No
- If "Yes":
- Provide the date laboratory data package was received: _____
 - Follow the IEC Guidance Document at <http://www.nj.gov/dep/srp/guidance/index.html#iec> for required actions and answer the following:
 - Was the IEC engineering system response for control implemented for all impacted structures? ☐ Yes ☐ No
- Date implemented: _____ NJDEP Case Manager: _____
10. Were the results of indoor air sampling above the NJDEP's Indoor Air Screening Levels but at, or below, the Rapid Action Levels ☐ Yes ☐ No
- If "Yes," answer the following:
- Provide the date laboratory data package was received: _____
 - Has the Vapor Concern (VC) Response Action Form notifying the NJDEP of the exceedances been submitted? ☐ Yes ☐ No
- Date: _____
- Has a plan to mitigate and monitor the exposure been submitted? ☐ Yes ☐ No
- Date: _____
- Has the Mitigation Response Action Report been submitted? ☐ Yes ☐ No
- Date: _____
11. Do one or more buildings have an Indeterminate VI Pathway status? ☐ Yes ☐ No
- If "Yes," attach a list of the building(s) with address(s) and block/lot(s)
12. Has the vapor intrusion investigation been completed? ☐ Yes ☐ No
- If "No", is the vapor intrusion investigation stepping out as part of the site investigation or remedial investigation. (If "No," attach justification) ☐ Yes ☐ No

SECTION F. ECOLOGICAL RECEPTORS

1. Has an Ecological Evaluation (EE) been conducted? [N.J.A.C. 7:26E-1.16] ☒ Yes ☐ No
- Date conducted: 05/13/2011
2. Are any site-related contaminants above any Ecological Screening Criteria? ☐ Yes ☒ No
3. Are there any Environmentally Sensitive Natural Resources (ESNRs) on or adjacent to the site, or potentially impacted by site related contamination? [N.J.A.C. 7:26E-1.16] ☐ Yes ☒ No
4. Do any potential or complete migration pathways exist between Contaminant of Potential Ecological Concern (COPECs) and ESNRs, or did historic migration pathways exist? ☐ Yes ☒ No

If You answered "No" to Questions 2, 3, or 4, above **Stop Here** (form is complete).

5. If site-related free or residual product is/was present, does/did a potential or complete migration pathway exist to an ESNR? ☐ Yes ☐ No
6. Do the results of an EE trigger a remedial investigation of ecological receptors? [N.J.A.C. 7:26E-4.8] ☐ Yes ☐ No
- If "Yes", has a remedial investigation of ecological receptors been conducted? ☐ Yes ☐ No
- Date conducted: _____

7. Do available data indicate an impact (COPECs above Ecological Screening Criteria in ESNRs) to Ecological Receptor(s), Surface water, or Sediment? ☐ Yes ☐ No

If "Yes,"

a) Check all ESNRs or media that apply:

☐ Surface water ☐ Sediment ☐ Soil ☐ Wetlands

b) If this information is not submitted with an ecological evaluation that includes contaminant summary information, attach a brief summary of all currently available data and a description of all actions to be taken to mitigate exposure.

8. Have COPECs been fully delineated to the Ecological Screening Criteria [N.J.A.C. 7:26E-4.8(a)] in:

a) Migration pathways ☐ Yes ☐ No

b) ESNR ☐ Yes ☐ No

9. Has an Ecological Risk Assessment been conducted? ☐ Yes ☐ No

10. Provide the following information for any on-site and/or off-site surface water body, which is potentially impacted by the site related discharges:

Surface Water Body Name	Stream Classification	Antidegradation Designation	Trout Production	Trout Maintenance
			☐	☐
			☐	☐
			☐	☐
			☐	☐
			☐	☐
			☐	☐

11. Has a Program Interest (PI) or Permit number been issued for any regulated areas by the Division of Land Use Regulation? (e.g. wetlands, transition areas, flood hazard areas, coastal areas, tidelands, etc.) ☐ Yes ☐ No

If "Yes,":

Identify the type(s) of regulated areas: _____

Provide the Land Use Regulation Program (LURP) PI or Permit number(s) for the site: _____

12. Are there any **pending** applications for LURP jurisdiction letters or approvals under review by the NJDEP for the remediation? ☐ Yes ☐ No

13. Are there any **valid** LURP jurisdiction letters or approvals issued for the remediation? ☐ Yes ☐ No

Completed forms should be sent to the municipal clerk, designate health department, and:

Bureau of Case Assignment & Initial Notice
 Site Remediation Program
 NJ Department of Environmental Protection
 401-05H
 PO Box 420
 Trenton, NJ 08625-0420

Attachment 1- Property Search

Attachment 1
Properties within 200 Feet of Site 132

BLOCK	LOT	PROPERTY CLASS	PROPERTY LOCATION	PROPERTY CITY, STATE	OWNER	OWNER STREET	OWNER CITY, STATE	OWNER ZIP CODE
Sensitive Receptors Within 200 Feet								
22704	2	RESIDENTIAL PROPERTY- 1 TO 4 FAMILIES (2)	123 CARTERET AVE.	JERSEY CITY CITY, NJ	RUSSELL, WILLIE & ELLA	123 CARTERET AVE.	JERSEY CITY, NJ	07305
22704	3	RESIDENTIAL PROPERTY- 1 TO 4 FAMILIES (2)	121 CARTERET AVE.	JERSEY CITY CITY, NJ	121 RESIDENCE NJ,LLC	183 WILSON ST #111	BROOKLYN, NY	11211
22704	4	RESIDENTIAL PROPERTY- 1 TO 4 FAMILIES (2)	119 CARTERET AVE.	JERSEY CITY CITY, NJ	TEAGUE, GARTHELIA A.	119 CARTERET AVE.	JERSEY CITY, NJ	07305
22704	5	RESIDENTIAL PROPERTY- 1 TO 4 FAMILIES (2)	117 CARTERET AVE.	JERSEY CITY CITY, NJ	BRUN, DONALD	117 CARTERET AVE.	JERSEY CITY, NJ	07305
22704	6	RESIDENTIAL PROPERTY- 1 TO 4 FAMILIES (2)	115 CARTERET AVE.	JERSEY CITY CITY, NJ	115 CARTERET AVE., LLC.	115 CARTERET AVE., LLC.	JERSEY CITY, NJ	07305
22704	10	RESIDENTIAL PROPERTY- 1 TO 4 FAMILIES (2)	2 CLAREMONT AVE.	JERSEY CITY CITY, NJ	BASCOM, MALINI	2 CLAREMONT AVENUE	JERSEY CITY, NJ	07305
22704	11	RESIDENTIAL PROPERTY- 1 TO 4 FAMILIES (2)	4 CLAREMONT AVE.	JERSEY CITY CITY, NJ	VELEZ, DAVID	4 CLAREMONT AE.	JERSEY CITY, NJ	07305
22704	12	RESIDENTIAL PROPERTY- 1 TO 4 FAMILIES (2)	6 CLAREMONT AVE.	JERSEY CITY CITY, NJ	BUNBURY, SOPHI	6 CLAREMONT AVE.	JERSEY CITY, NJ	07305
22704	13	RESIDENTIAL PROPERTY- 1 TO 4 FAMILIES (2)	8 CLAREMONT AVE.	JERSEY CITY CITY, NJ	OSTREICHER, ABRAHAM	8 CLAREMONT AVE.	JERSEY CITY, NJ	07310
22704	14	RESIDENTIAL PROPERTY- 1 TO 4 FAMILIES (2)	10 CLAREMONT AVE.	JERSEY CITY CITY, NJ	MIRTHIL, REGINALD	10 CLAREMONT AVENUE	JERSEY CITY, NJ	07305
22704	15	RESIDENTIAL PROPERTY- 1 TO 4 FAMILIES (2)	12 CLAREMONT AVE.	JERSEY CITY CITY, NJ	MERRITT, J & B	12 CLAREMONT AVE	JERSEY CITY, NJ	07305
22704	21	RESIDENTIAL PROPERTY- 1 TO 4 FAMILIES (2)	98 RANDOLPH AVE.	JERSEY CITY CITY, NJ	GEELONG, LLC % DIXON ADVISORY	1000 PLAZA TWO, 10 FL	JERSEY CITY, NJ	07311
22704	22	RESIDENTIAL PROPERTY- 1 TO 4 FAMILIES (2)	98.5 RANDOLPH AVE.	JERSEY CITY CITY, NJ	RODRIGUEZ, ROBINSON	98A RANDOLPH AVE.	JERSEY CITY, NJ	07305
22704	23	RESIDENTIAL PROPERTY- 1 TO 4 FAMILIES (2)	100 RANDOLPH AVE.	JERSEY CITY CITY, NJ	O'MARDE, HEIDI	100 RANDOLPH AVE.	JERSEY CITY, NJ	07305
22704	24	RESIDENTIAL PROPERTY- 1 TO 4 FAMILIES (2)	102 RANDOLPH AVE.	JERSEY CITY CITY, NJ	MOCH BSW 1 LLC.	544 SPRINGFIELD AVE.	NEWARK, NJ	07103
22704	25	RESIDENTIAL PROPERTY- 1 TO 4 FAMILIES (2)	104 RANDOLPH AVE.	JERSEY CITY CITY, NJ	ABI, LLC	259 NEWKIRK AVE	BROOKLYN, NY	11230
22704	26	RESIDENTIAL PROPERTY- 1 TO 4 FAMILIES (2)	106 RANDOLPH AVE.	JERSEY CITY CITY, NJ	GANNON, DANA	106 RANDOLPH AVE.	JERSEY CITY, NJ	07305
22704	27	RESIDENTIAL PROPERTY- 1 TO 4 FAMILIES (2)	108 RANDOLPH AVE.	JERSEY CITY CITY, NJ	ROLLINS, LORRAINE A.	108 RANDOLPH AVE.	JERSEY CITY, NJ	07305
22704	28	RESIDENTIAL PROPERTY- 1 TO 4 FAMILIES (2)	110 RANDOLPH AVE.	JERSEY CITY CITY, NJ	MCQUEARY, RONALD	110 RANDOLPH AVE	JERSEY CITY, NJ	07305
22704	29	RESIDENTIAL PROPERTY- 1 TO 4 FAMILIES (2)	112 RANDOLPH AVE.	JERSEY CITY CITY, NJ	WEATHERS, THIMOTHY	112 RANDOLPH AVE.	JERSEY CITY, NJ	07305
22704	30	RESIDENTIAL PROPERTY- 1 TO 4 FAMILIES (2)	114 RANDOLPH AVE.	JERSEY CITY CITY, NJ	SMITH,ARNOLD & REGINA & PEOPLES,MAE	114 RANDOLPH AVE.	JERSEY CITY, NJ	07305
22704	31	RESIDENTIAL PROPERTY- 1 TO 4 FAMILIES (2)	116 RANDOLPH AVE.	JERSEY CITY CITY, NJ	RANDOLPH ESTATES LLC.	1274 49TH ST,#546	BROOKLYN, NY	11219
22704	32	RESIDENTIAL PROPERTY- 1 TO 4 FAMILIES (2)	118 RANDOLPH AVE.	JERSEY CITY CITY, NJ	BADAWI, FAHMI	68 MAGNOLIA AVE. #C2	JERSEY CITY, NJ	07306
22704	33	RESIDENTIAL PROPERTY- 1 TO 4 FAMILIES (2)	120 RANDOLPH AVE.	JERSEY CITY CITY, NJ	LITTLE, ORALEE J	120 RANDOLPH AVE.	JERSEY CITY, NJ	07305
22704	34	APARTMENT (4C)	122 RANDOLPH AVE.	JERSEY CITY CITY, NJ	ABREV, YOLANDA A.	440 RACE TRACK RD.	RIDGEWOOD, NJ	07450
22704	35	APARTMENT (4C)	126 RANDOLPH AVE.	JERSEY CITY CITY, NJ	126 RANDOLPH AVE., JC. LLC.	126 RANDOLPH AVE.	JERSEY CITY, NJ	07305
22704	36	RESIDENTIAL PROPERTY- 1 TO 4 FAMILIES (2)	128 RANDOLPH AVE.	JERSEY CITY CITY, NJ	VERGARA, LUIS E. & DIANE VALENCIA	47 GALLINSON DRIVE	NEW PROVIDENCE, NJ	07974
22704	37	RESIDENTIAL PROPERTY- 1 TO 4 FAMILIES (2)	130 RANDOLPH AVE.	JERSEY CITY CITY, NJ	MASSIE, WILLIAM & LOLA	615 15TH AVE.	NEWARK , NJ	07103
22704	38	RESIDENTIAL PROPERTY- 1 TO 4 FAMILIES (2)	132 RANDOLPH AVE.	JERSEY CITY CITY, NJ	LUYANDO, BEMGIL	132 RANDOLPH AVE.	JERSEY CITY, NJ	07305
Other Properties								
21501	17	EXEMPT PUBLIC (15C)	70 CARTERET AVE.	JERSEY CITY CITY, NJ	JERSEY CITY REDEVELOPMENT AGENCY	30 MONTGOMERY ST.	JERSEY CITY, NJ	07302
21501	18	EXEMPT PUBLIC (15C)	880 GARFIELD AVE.	JERSEY CITY CITY, NJ	JERSEY CITY REDEVELOPMENT AGENCY	30 MONTGOMERY ST.	JERSEY CITY, NJ	07302
21510	1	VACANT LOT (1)	846 GARFIELD AVE.	JERSEY CITY CITY, NJ	PPG INDUSTRIES, INC.%TAX ADMIN.DEPT	ONE PPG PLACE	PITTSBURGH, PA	15272
21510	2	EXEMPT PUBLIC (15C)	824 GARFIELD AVE.	JERSEY CITY CITY, NJ	JERSEY CITY REDEVELOPMENT AGENCY	30 MONTGOMERY STREET	JERSEY CITY, NJ	07302
21510	3	VACANT LOT (1)	45 HALLADAY ST.	JERSEY CITY CITY, NJ	PPG INDUSTRIES, INC.%TAX ADMIN.DEPT	ONE PPG PLACE	PITTSBURGH, PA	15272
21510	4	VACANT LOT (1)	25 HALLADAY ST.	JERSEY CITY CITY, NJ	PPG INDUSTRIES, INC.%TAX ADMIN.DEPT	ONE PPG PLACE	PITTSBURGH, PA	15272
21510	5	COMMERCIAL (4A)	15 HALLADAY ST.	JERSEY CITY CITY, NJ	PPG INDUSTRIES, INC.%TAX ADMIN.DEPT	ONE PPG PLACE	PITTSBURGH, PA	15272
21510	10	INDUSTRIAL (4B)	802 GARFIELD AVE.	JERSEY CITY CITY, NJ	PACE, CLEMENT	1120 HECKEL AVE.	MOUNTAINSIDE, NJ	07092
21510	11	COMMERCIAL (4A)	816 GARFIELD AVE.	JERSEY CITY CITY, NJ	PPG INDUSTRIES, INC.%TAX ADMIN.DEPT	ONE PPG PLACE	PITTSBURGH, PA	15272
21510	39	INDUSTRIAL (4B)	800 GARFIELD AVE.	JERSEY CITY CITY, NJ	PPG INDUSTRIES INC.	ONE PPG PLACE	PITTSBURG, PA	15272
22704	7	VACANT LOT (1)	113 CARTERET AVE.	JERSEY CITY CITY, NJ	LBM GROUP LLC	1481 47TH ST.	BROOKLYN, NY	11219
22704	8	VACANT LOT (1)	843 GARFIELD AVE.	JERSEY CITY CITY, NJ	LBM GROUP LLC	1481 47TH ST.	BROOKLYN, NY	11219
22704	9	VACANT LOT (1)	829 GARFIELD AVE.	JERSEY CITY CITY, NJ	LBM GROUP LLC	1481 47TH ST.	BROOKLYN, NY	11219

Notes:

1. Parcel information obtained from NJ Composite of Parcels Data with Joined MOD-IV Attributes 2018, NJ State Plane NAD83, NJ Office of Information Technology (NJOIT), Office of Geographic Information Systems (OGIS), Trenton, New Jersey, August 6, 2018.
NAD83 - North American Datum of 1983
NJ - New Jersey



Note:
1. NJ Composite of Parcels Data with Joined MOD-IV Attributes 2018, New Jersey State Plane NAD83, New Jersey Office of Information Technology (NJOIT), Office of Geographic Information Systems (OGIS), Trenton, New Jersey, August 6, 2018.
2. Imagery: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community, 7/29/2015.
ft - Feet
NAD83 - New Jersey State Plane North American Datum of 1983
NJ - New Jersey

LEGEND

Site 132

200 Ft Buffer

Property Class

1 VACANT LAND

2 RESIDENTIAL (SENSITIVE)

4A COMMERCIAL

4B INDUSTRIAL

4C APARTMENT (SENSITIVE)

15C EXEMPT PUBLIC

Parcel Boundary

AECOM

0 240 Feet



PPG
Site 132
JERSEY CITY, NEW JERSEY

Date: 4/25/2019

FIGURE 1
RECEPTOR EVALUATION - LAND USE

Attachment 2- Well Search

Attachment 2
Well Search Site 132

SITE NAME	Hudson County Chromate - Site 132
SITE STREET ADDRESS	824 Garfield Avenue
SITE COUNTY (select)	Hudson
SITE MUNICIPALITY (select)	Jersey City
PROGRAM INTEREST (PI) ID # :	G000008749
SOURCE COORDINATE X	611074
SOURCE COORDINATE Y	682924
GROUNDWATER FLOW DIRECTION USED (if any)	
WERE APPLICABLE WELL TYPES FOUND? (Yes/No)	Yes
IS THIS SUBMISSION AN UPDATE? (Yes/No)	Yes
AUTHOR (name of company)	AECOM
AUTHOR STREET ADDRESS (include town and zip code)	30 Knightsbridge Road, Piscataway, NJ, 08854
LSRP LICENSE NUMBER OVERSEEING WORK	
LSRP NAME OVERSEEING WORK	
PROFESSIONAL WHO PREPARED SUBMISSION	Abigail Small
EMAIL CONTACT	abigail.small@aecom.com
PHONE CONTACT	732-564-3960

Attachment 2

Well Search Site 132

Download Document	Permit Number	Well Use	Potentially Potable	Document	Date (permitted/drilled/sealed)	Physical Address	County	Municipality	Block	Lot	Location Method	Easting X	Northing Y
	E201605261	Irrigation	Yes	Permit	5/4/2016	100 Caven Point Road	Hudson	Jersey City	27401	16	Digital Image	609444	678650
	E201605261	Irrigation	Yes	Record	6/3/2016	100 Caven Point Road	Hudson	Jersey City	27401	16	GPS	609444	678650
	E201503280	Industrial	Yes	Record	5/13/2015	Martin Luther King Jr. Drive	Hudson	Jersey City	21201	17	GPS	609575	684261
	E201503280	Industrial	Yes	Permit	4/9/2015	Martin Luther King Jr. Drive	Hudson	Jersey City	21201	17	GPS	609575	684261
	2600001335	Industrial	Yes	Permit	12/16/1955		Hudson	Jersey City			Prop Loc - Hard Copy	609825	683567
	2600001335	Industrial	Yes	Record	4/18/1956	GRAND STREET	Hudson	Jersey City			Prop Loc - Dig Image	614920	686324
	2600004392	Industrial	Yes	Permit	4/23/1971		Hudson	Jersey City			Prop Loc - Hard Copy	613468	678828
	2600004392	Industrial	Yes	Record	4/27/1971	MORRISPESIN	Hudson	Jersey City			Prop Loc - Hard Copy	613468	678828
	2600049931	Industrial	Yes	Permit	2/3/1998	758 GARFIELD AVE.	Hudson	Jersey City	1487	11A,11B	Prop Loc - Hard Copy	610374	681545
	2600056260	Industrial	Yes	Permit	12/23/1999	757 OCEAN AVE.	Hudson	Jersey City	19.74	27	Prop Loc - Hard Copy	609277	685588
	2600056260	Industrial	Yes	Record	5/4/2000	757 OCEAN AVE.	Hudson	Jersey City	19.74	27	Prop Loc - Hard Copy	609277	685588

Attachment 2
Well Search Site 132

Download Document	Permit Number	Distance (feet)	Depth (feet)	Capacity (gal/min)	COORD METHOD	TOP OPEN INT	BOT OPEN INT	STATIC LEVEL	STATUS	WELL SAMPLED?
	E201605261	4,394.16	300	65						
	E201605261	4,394.16	300							
	E201503280	1,829.93	450	40						
	E201503280	1,829.93	300	10						
	2600001335		200	250						
	2600001335	5,436.27	335	0						
	2600004392		150	40						
	2600004392		180	0						
	2600049931		300	65						
	2600056260		500	50						
	2600056260		855							

Public Notice

Public Notification Form

Notification Cover Letter

Fact Sheet

Site Description

Display Advertisement

Certificates of Mailing

The attached public notice presented in this section was sent out on September 1, 2017 to satisfy biennial public notice requirements. A newspaper display advertisement was printed on September 26, 2017 in The Jersey Journal.

Public Notification Form



New Jersey Department of Environmental Protection
Site Remediation and Waste Management Program

PUBLIC NOTIFICATION AND OUTREACH

Date Stamp
(For Department use only)

SECTION A. SITE LOCATION

Site Name: Garfield Avenue Group Sites

List all AKAs: Hudson Co. Chromate Sites 114, 121, 207, 132, 133, 135, 137, 143, 186 & others. See "Site Descriptions."

Street Address: 900 Garfield Ave., and others. See attached "Site Descriptions" for complete list.

Municipality: Jersey City (Township, Borough or City)

County: Hudson Zip Code: 07304 and 07305

Mailing Address if different than street address: _____

Program Interest (PI) Number(s): See "Site Descriptions."

Case Tracking Number(s) for this submission: N/A

Date Remediation Initiated Pursuant to N.J.A.C. 7:26C-2: 07/19/1990

State Plane Coordinates for a central location at the site: Easting: 611296.3 Northing: 683474.3

Municipal Block(s) and Lot(s):

Block # <u>21501</u>	Lot # <u>11, 12, 14-20</u>	Block # <u>21509</u>	Lot # <u>1-3</u>
Block # <u>19803</u>	Lot # <u>1-21</u>	Block # <u>19802</u>	Lot # <u>2</u>
Block # <u>18901</u>	Lot # <u>1-2, 15, 18</u>	Block # <u>21502</u>	Lot # <u>12-17</u>
Block # <u>21510</u>	Lot # <u>1, 2-5, 11, 39</u>	Block # _____	Lot # _____

SECTION B. NOTIFICATION INFORMATION

1. Indicate the type of Public Notification:

☐ Initial ☒ Update

2. Public notification was provided via: (Check all that apply)

Sign.....☐ Yes ☒ No

Letter.....☒ Yes ☐ No

Fact sheet.....☒ Yes ☐ No

3. Were materials produced in a language other than English?☒ Yes ☐ No

If "Yes," in what other language was notification prepared? Spanish

4. Were copies provided to municipal clerk, local/county health dept., and local health agency?☒ Yes ☐ No

5. Did you provide an electronic copy of all required submittals?☒ Yes ☐ No

6. Was public notification conducted using an alternate plan and is the rationale for this plan included?☐ Yes ☒ No

7. Was additional public outreach conducted due to the NJDEP's determination of substantial public interest?☐ Yes ☒ No

SECTION C. LICENSED SITE REMEDIATION PROFESSIONAL INFORMATION AND STATEMENT

LSRP ID Number: _____

First Name: _____ Last Name: _____

Phone Numbers: _____ Ext.: _____ Fax: _____

Mailing Address: _____

Municipality: _____ State: _____ Zip Code: _____

Email Address: _____

This statement shall be signed by the LSRP who is submitting this notification in accordance with N.J.S.A. 58:10C-14, and N.J.S.A. 58:10B-1.3b(1) and (2).

(1) *I certify, as a Licensed Site Remediation Professional authorized pursuant to N.J.S.A. 58:10C-1 et seq. to conduct business in New Jersey, that for the remediation described in this submission, and all attachments included in this submission, I personally: Managed, supervised, or performed the remediation conducted at this site that is described in this submission, and all attachments included in this submission; and/or periodically reviewed and evaluated the work performed by other persons that forms the basis for the information in this submission; and/or completed the work of another site remediation professional, licensed or not, after having: (1) reviewed all available documentation on which I relied; (2) conducted a site visit and observed the then-current conditions and verified the status of as much of the work as was reasonably observable; and (3) concluded, in the exercise of my independent professional judgment, that there was sufficient information upon which to complete any additional phase of remediation and prepare workplans and reports related thereto.*

(2) *I certify:*

- *That I have read this submission and all attachments to this submission;*
- *That in performing the professional services as the licensed site remediation professional for the entire site or each area of concern, I adhered to the professional conduct standards and requirements governing licensed site remediation professionals provided in N.J.S.A. 58:10C-16;*
- *That the remediation conducted at the entire site or each area of concern, that is described in this submission and all attachments to this submission, was conducted pursuant to and in compliance with the remediation requirements in N.J.S.A. 58:10C-14.c;*
- *That the remediation described in this submission, and all attachments to this submission, was conducted pursuant to and in compliance with the regulations of the Site Remediation Professional Licensing Board at N.J.A.C. 7:26I; and*
- *That the information contained in this submission and all attachments to this submission is true, accurate, and complete.*

(3) *I certify, when this submission includes a response action outcome, that the entire site or each area of concern has been remediated in compliance with all applicable statutes, rules, and regulations and is protective of public health and safety and the environment.*

(4) *I certify that no other person is authorized or able to use any password, encryption method, or electronic signature that the Board or the Department have provided to me.*

(5) *I certify that I understand and acknowledge that:*

- *If I knowingly make a false statement, representation, or certification in any document or information I submit to the Department I may be subject to civil and administrative enforcement pursuant to N.J.S.A. 58:10C-17.a.1(a) through (f) by the Board, including but not limited to license suspension, revocation, or denial of renewal; and*
- *If I purposely, knowingly, or recklessly make a false statement, representation, or certification in any application, form, record, document or other information submitted to the Department or required to be maintained pursuant to the Site Remediation Reform Act, I shall be guilty, upon conviction, of a crime of the third degree and shall, notwithstanding the provisions of subsection b. of N.J.S.2C:43-3, be subject to a fine of not less than \$5,000 nor more than \$75,000 per day of violation, or by imprisonment, or both.*

(6) *I certify that I have read this certification prior to signing, certifying, and making this submission.*

LSRP Signature: _____

Date: _____

LSRP Name: _____

Company Name: _____

SECTION D. PERSON RESPONSIBLE FOR CONDUCTING THE REMEDIATION INFORMATION AND CERTIFICATION

Full Legal Name of the Person Responsible for Conducting the Remediation: PPG

Representative First Name: Mark

Representative Last Name: Terril

Title: Corporate Director, Environmental Affairs

Phone Number: (412) 434-2708

Ext.: _____

FAX: _____

Mailing Address: One PPG Place

Municipality: Pittsburgh

State: PA

Zip code: 15219

Email Address: terril@ppg.com

This certification shall be signed by the person responsible for conducting the remediation who is submitting this notification in accordance with Administrative Requirements for the Remediation of Contaminated Sites rule at N.J.A.C. 7:26C-1.5(a).

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein, including all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, to the best of my knowledge, I believe that the submitted information is true, accurate and complete. I am aware that there are significant civil penalties for knowingly submitting false, inaccurate or incomplete information and that I am committing a crime of the fourth degree if I make a written false statement which I do not believe to be true. I am also aware that if I knowingly direct or authorize the violation of any statute, I am personally liable for the penalties.

Signature: _____



Date: _____

3/6/2019

Name/Title: Mark Terril / Corporate Director, Environmental Affairs

Completed forms should be sent to:

Bureau of Case Assignment & Initial Notice
Site Remediation Program
NJ Department of Environmental Protection
401-05H
PO Box 420
Trenton, NJ 08625-0420

Notification Cover Letter



PPG
440 College Park Drive
Monroeville, PA 15146

August 29, 2017

Re: Chromium Cleanup Sites on Garfield Avenue

Dear Sir or Madam,

This letter is to inform you that PPG is the party responsible for the investigation and/or remediation of chromium at the addresses referenced in the attached and to advise you of the status of the work at each site.

This notification is being sent to you in compliance with New Jersey's requirements for public notification in connection with contaminated site cleanups. These rules require that property owners and tenants within 200 feet of the site boundary of a contaminated site be notified before investigation or remediation work begins and every two years until the cleanup is complete. In addition, the law requires responsible parties to notify property owners and tenants within 200 feet of an impacted site when there is evidence of off-property contaminant migration from that site.

You are being notified by PPG because you are a property owner or tenant located within 200 feet of the boundary of one or more sites referenced in the attached. In addition, you are being notified because contamination has migrated from one of these sites.

No action is required on your part. For your reference, however, we are enclosing a brief description of each site, summarizing conditions and activities to be taken. In addition, please find a fact sheet about groundwater contamination migration from Site No. 114.

Environmental reports about these sites submitted to the New Jersey Department of Environmental Protection are also being sent to the municipality for its review and comment. To learn more about New Jersey's public outreach requirements, visit: www.nj.gov/dep/srp/guidance/public_notification/.

If you have any questions concerning the sites referenced above, you can visit www.chromecleanup.com or contact the independent, court-appointed site administrator overseeing the investigation and cleanup of these sites. The administrator can be reached by:

- Calling 201-777-2099;
- Sending an email to info@chromecleanup.com; or
- Writing to Chromium Cleanup Partnership, One Hovchild Plaza, 4000 Route 66, 4th Floor (MCDC), Tinton, Falls, N.J. 07753.

You can also direct your questions and comments to Jeff Worden, a PPG community relations consultant. His telephone number is: 412.253.0816. His email address is: jeff@worden-pr.com.

Sincerely,
PPG

(Over for Spanish)
(Página de la vuelta para español)

Fact Sheet



Fact Sheet

In accordance with New Jersey Department of Environmental Protection (NJDEP) requirements for "Notification and Public Outreach," PPG is providing the following information relating to environmental conditions, remedial activities and off-site impacts in connection with the site described below.

Hudson County Chrome Site No. 114 – Garfield Avenue Site
880-900 Garfield Avenue, Jersey City, N.J. 07305
Block 21501, Lots 16, 17, 18, 19, and 20
NJDEP ID No. G000008791

From 1905 to 1976, Hudson County was a center for chrome manufacturing, processing chromite ore imported into the United States. In the early 1900s, the Natural Products Refining Company opened a chrome plant at 880-900 Garfield Avenue. PPG purchased the plant in 1954 and ceased operations in 1963, selling the facility and property in 1964. The manufacturing process used at the facility produced a waste byproduct known as chromate chemical production waste, or CCPW. Over the years, the soil impacted with CCPW was used as fill material at residential, commercial and industrial construction sites.

PPG first detected hexavalent chromium at the Garfield Avenue Site (the Site) in the early 1980s. Concentrations of hexavalent chromium – a component of CCPW – were found to exceed soil cleanup criteria and total chromium concentrations in groundwater exceeded groundwater quality standards. As a result, PPG assumed responsibility for the remediation of 67 sites in Hudson County. In addition, PPG jointly accepted responsibility with Honeywell for 10 other sites. PPG is also responsible for addressing non-chromium contamination at Site 114, including volatile organics, semivolatile organics, non-CCPW metals, polychlorinated biphenyls and pesticides.

Before remediation was conducted, investigation activities identified that hexavalent chromium in soil was present throughout the Site with the majority above the meadow mat layer (approximately 15 feet below surface). Deeper soil impacts were found in the area of the former Morris Canal, which ran through the Site in a north-south direction.

CCPW in the soil is the source of hexavalent chromium in the groundwater at the Site. The highest concentrations of hexavalent chromium were found in the western portion of the Site, in the shallow (approximately 15 to 20 feet below ground surface) and intermediate (approximately 30 to 40 feet below ground surface) groundwater zones. Limited impacts have been observed at deeper depths. In 2005, PPG determined that chromium-impacted groundwater was migrating to the south and east of the Site and reported this information to the NJDEP in 2006. Investigations have since concluded that the southern boundary of the groundwater plume is at Caven Point Avenue, which is about 800 feet from the Garfield Avenue Site. The eastern boundary is along Pacific Avenue, which is approximately 200 feet away. The northern boundary is located at a commercial property located at 90 and 98 Forrest Street. The chromium-impacted groundwater is located beneath commercial and industrial properties.

Interim remedial measures for soil were installed at the Garfield Avenue Site between 1990 and 1992. These measures, consisting of plastic covering, crushed gravel, and a perimeter fence, prevented direct contact with,

(Over)



or airborne exposure to, chrome residue at the Site until the cleanup began. Inspections of these measures were conducted quarterly and repairs were made as necessary.

Groundwater recovery sumps were installed at the Site between 2004 and 2005 to prevent water from migrating onto Garfield Avenue. Water generated by this system was collected on-site and transported to an offsite, permitted treatment facility until this procedure was replaced by the use of an onsite treatment facility to support excavation activities in 2011.

The excavation of chromium-impacted soil and debris at the Site was completed in November 2014. More than 534,000 tons of chromium-impacted soil were excavated, hauled off site, treated and disposed of at permitted disposal facilities.

The placement of clean backfill to near-final grade was completed in January 2015. Clean fill for a majority of the Site was amended with FerroBlack®-H. This water-based suspension of ferrous iron and sulfide is designed to prevent the backfill from being contaminated by chromium-impacted groundwater and to support groundwater remediation. Ongoing groundwater testing indicates that shallow groundwater (less than 20 feet deep) over most of the Site is already in compliance with the federal and New Jersey drinking water standard for total chromium.

The on-site groundwater treatment facility had treated more than 85 million gallons of chromium-impacted groundwater as of June 2017. The on-site groundwater treatment facility continues operation to facilitate the cleanup of sites near Garfield Avenue and to assist with groundwater remediation pilot studies.

Monitoring wells have been installed, and additional wells are planned, to monitor groundwater conditions following the completion of excavation and to assess the effectiveness of the FerroBlack®-H amendment in backfill. A series of studies to develop groundwater treatment options have been implemented. It is important to note that groundwater is not used for drinking water purposes in Jersey City. Reservoirs in Boonton, N.J., supply Jersey City with its drinking water.

To learn more about hexavalent chromium, visit:

- New Jersey Department of Environmental Protection: <http://www.state.nj.us/dep/dsr/chromium/>
- Agency for Toxic Substances and Disease Registry: <http://www.atsdr.cdc.gov/toxfaqs/tf.asp?id=61&tid=17>

If you have questions about the Garfield Avenue Site and related off-site impacts, you can contact the independent, court-appointed site administrator overseeing the investigation and cleanup of the Site. The administrator can be reached by:

- Calling: 201-777-2099;
- Sending an email to: info@chromecleanup.com;
- Writing to: Chromium Cleanup Partnership, One Hovchild Plaza, 4000 Route 66, 4th Floor (MCDC), Tinton, Falls, N.J. 07753; or
- Visiting: www.chromecleanup.com.

You can also direct your questions and comments to:

- PPG's community relations consultant, Jeff Worden: 412.253.0816; or
- New Jersey Department of Environmental Protection, Office of Community Relations: 1-800-253-5647.

Site Description



Site Descriptions

PPG is responsible for the investigation of hexavalent chromium that exceeds New Jersey Department of Environmental Protection (NJDEP) requirements at the following sites. In addition, if the source of hexavalent chromium is chromate chemical production waste, otherwise known as CCPW, then PPG is responsible for its cleanup. Also, PPG is responsible for the investigation and cleanup of all contaminants of concern that exceed NJDEP requirements at Site No. 114 and at properties that the company owns. This document includes a series of site descriptions that indicate the contaminants of concern, work completed and additional work to be conducted at each of the sites.

Hudson County Chrome Site No. 114 – Garfield Avenue Site
880-900 Garfield Ave., Jersey City, N.J. 07305
Block 21501, Lots 16, 17, 18, 19, and 20
NJDEP ID No. G000008791

Chromate chemical production waste, or CCPW, was the source of hexavalent chromium concentrations that exceeded soil cleanup criteria and total chromium concentrations that exceed groundwater quality standards. PPG is also responsible for addressing non-chromium contamination at Site 114, including volatile organics, semivolatile organics, non-CCPW metals, polychlorinated biphenyls and pesticides.

The excavation of chromium-impacted soil was conducted between July 2010 and November 2014 with more than 534,000 tons of material removed from the site. Excavated material was treated and disposed of at licensed, offsite locations in accordance with applicable regulations.

The placement of clean backfill to near-final grade was completed in January 2015. Clean fill for a majority of the site was amended with FerroBlack®-H. This water-based suspension of ferrous iron and sulfide is designed to prevent the backfill from being contaminated by chromium-impacted groundwater and to support groundwater remediation. Ongoing groundwater testing indicates that shallow groundwater (less than 20 feet deep) over most of the site is already in compliance with the NJDEP groundwater quality standard (GWQS) for total chromium.

The chromium-impacted soil at the site was the source of the chromium impacts in groundwater. Groundwater remediation will follow completion of a series of studies to determine the effectiveness of various groundwater treatment options.

For more details about groundwater impacts, please see the fact sheet included in this mailing. No groundwater in Jersey City is used for drinking purposes. Reservoirs in Boonton, N.J., supply Jersey City with its drinking water.

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Hudson County Chrome Site No. 121 – Garfield Auto Parts
958-966 Garfield Ave., Jersey City, N.J. 07304
NJDEP ID No. G000008738
Block 19803, Lots 1-21
Block 18901, Lots 1-2

and

Chrome Site No. 207 – Garfield Avenue No. 2
942, 944, and 946 Garfield Ave., Jersey City, N.J. 07304
NJDEP ID No. G000044579

Chromate chemical production waste, or CCPW, was the source of hexavalent chromium concentrations that exceeded soil cleanup criteria and total chromium concentrations that exceeded the NJDEP GWQS.

PPG worked with the Jersey City Redevelopment Agency to complete the excavation of all CCPW in the first quarter of 2013 at these two sites, which are part of Berry Lane Park. Excavated material was treated and disposed of at licensed, offsite locations in accordance with applicable regulations.

Wells were installed to monitor groundwater conditions following the completion of the excavation and remedial investigation within the former Morris Canal and Site Nos. 121 and 207. No contaminants of concern related to CCPW were detected at concentrations exceeding the groundwater quality standards. PPG is investigating potential intermediate groundwater impacts as a part of a remedial investigation.

Hudson County Chrome Site No. 132 – Town and Country Linen Warehouse
824 Garfield Ave., Jersey City, N.J. 07305
Block 21510, Lot 2
NJDEP ID No. G000008749

Chromate chemical production waste, or CCPW, was the source of hexavalent chromium concentrations that exceeded soil cleanup criteria and total chromium concentrations that exceed the NJDEP GWQS in the intermediate zone.

In July 2013, the building on site was demolished and the building debris was properly disposed. Soil remediation was conducted between April 2014 and October 2014 with more than 65,000 tons of chromium-contaminated waste being dug up and hauled away from this area, including the soil excavated from Site 143, where remediation was conducted concurrent with activities at this site. The excavated material was treated and disposed of at licensed, offsite locations in accordance with applicable regulations.

The placement of clean backfill to near-final grade was completed in November 2014. Clean fill for a portion of the site was amended with FerroBlack®-H. This water-based suspension of ferrous iron and sulfide is designed to prevent the backfill from being contaminated by chromium-impacted groundwater and to support groundwater remediation.

A groundwater investigation will follow to determine whether further groundwater cleanup is required.

**Hudson County Chrome Site No. 133 – Ross Wax
15 and 22-68 Halladay St., Jersey City, N.J. 07304
Block 21510, Lot 5, and Block 21509, Lot 1
NJDEP ID No. 025695**

Chromate chemical production waste, or CCPW, is the source of hexavalent chromium concentrations that exceed soil cleanup criteria and total chromium concentrations that exceed the NJDEP GWQS in shallow groundwater beneath Halladay Street, which is adjacent to the site.

PPG purchased the western side of the site, 15 Halladay Street, in May 2013, and the eastern side of the site, 22-68 Halladay Street, in February 2014.

15 Halladay St.

A soil investigation was conducted and a report was submitted to NJDEP in 2012. A cleanup to address CCPW will be conducted at a time to be determined. A groundwater investigation will follow to determine whether further groundwater cleanup is required.

22-68 Halladay St.

The building on this site was demolished in October 2014 and the debris was disposed of at a regulated facility. Excavation of chromium-impacted soil and the placement of clean backfill began in April and May 2015, respectively. Soil remediation was conducted between April 2015 and May 2016 with more than 58,000 tons of chromium-contaminated waste being dug up and hauled away from this area, including some of the soil dug up from adjacent Halladay Street along the west and adjacent eastern properties, where remediation is being conducted concurrent with this site. The excavated material was treated and disposed of at licensed, offsite locations in accordance with applicable regulations. Clean fill for the northern portion of the site was amended with FerroBlack®-H. This water-based suspension of ferrous iron and sulfide is designed to prevent the backfill from being contaminated by chromium-impacted groundwater and to support groundwater remediation. Clean fill for the southern portion of the site was amended in the top two feet of the backfill.

PPG completed the excavation and backfill for the site with the exception of grids adjacent to the Al Smith Moving building. The grids adjacent to the Al Smith building and Building 51 along the eastern boundary of Site 133 East will be excavated and backfilled as part of the remediation activities at the Al Smith Moving property.

PPG has retained a licensed site remediation professional (LSRP) to address non-chromium contamination from historic fill and prior site operations unrelated to PPG, including volatile organics, semivolatile organics, polychlorinated biphenyls or PCBs, non-CCPW metals and petroleum. A remedial investigation report for the closure of an underground storage tank containing fuel oil was submitted to the NJDEP in August 2016. Remedial investigation to

(Over)

address non-chromium contamination is ongoing. These and other non-chromium contaminants that exceed soil remediation standards and groundwater screening levels will be addressed under the LSRP program. Al LoPilato of AECOM is the LSRP. His telephone number is: 845-425-4980.

A groundwater investigation will follow to determine whether further groundwater cleanup is required.

Hudson County Chrome Site No. 135 – Vitarroz
51-99 Pacific Ave., Jersey City, N.J. 07304
Block 21509, Lot 2
NJDEP ID No. 246332

Chromate chemical production waste, or CCPW, is the source of hexavalent chromium concentrations that exceed soil cleanup criteria and total chromium concentrations that exceed the NJDEP GWQS in the adjacent right-of-way.

A remedial investigation has been completed. PPG purchased the site (Vitarroz, 51-99 Pacific Avenue) in August 2015. PPG then demolished the buildings at 55, 65, 71, 77, and 99 Pacific Avenue between January and April 2016, and demolition of Building 51 was completed between October and November 2016. Debris from the buildings was disposed at a regulated facility. Excavation of chromium-impacted soil and the placement of clean backfill began in February 2016 and is scheduled to be completed in 2017. The excavated material is being disposed of at licensed, offsite locations in accordance with applicable regulations. Clean fill for the northern portion of the site was amended with FerroBlack®-H. Clean fill for the southern portion of the site was amended in the top two feet of the backfill. This water-based suspension of ferrous iron and sulfide is designed to prevent the backfill from being contaminated by chromium-impacted groundwater and to support groundwater remediation.

PPG has retained an LSRP to address non-chromium contamination from historic fill and prior site operations unrelated to PPG, including volatile organics, semivolatile organics, non-CCPW metals, PCBs and petroleum. A remedial action report for the closure of three separate underground storage tanks containing fuel oil was submitted to the NJDEP in July 2017. Mercury-impacted soil associated with Incident No. 16-04-13-1350-52 was removed during the chromium remediation. Remedial investigation to address non-chromium contamination is ongoing. These and other non-chromium contaminants that exceed soil remediation standards and groundwater screening levels will be addressed under the LSRP program. Al LoPilato of AECOM is the LSRP. His telephone number is: 845-425-4980.

A groundwater investigation will follow to determine whether further groundwater cleanup is required.

Hudson County Chrome Site No. 137 – Rudolf Bass
25 and 45 Halladay St., Jersey City, N.J. 07304
Block 21510, Lots 3 and 4
NJDEP ID No. G000008753

Chromate chemical production waste, or CCPW, was the source of hexavalent chromium concentrations that exceeded soil cleanup criteria and total chromium concentrations that exceed the NJDEP GWQS in the intermediate groundwater zone (about 20 to 40 feet deep). PPG purchased the southern portion of the site (TSI Carriers, 25 Halladay Street) in May 2013 and the northern portion of the site (Rudolf Bass, 45 Halladay Street) in December 2013. PPG then demolished the building at 25 Halladay Street in August and September 2013 and the building at 45 Halladay Street in March and April 2014. Debris from both buildings was disposed at a regulated facility.

The chromium soil cleanup was conducted between July 2014 and May 2015 for 45 Halladay Street and a portion of 25 Halladay Street, resulting in nearly 127,000 tons of chromium-contaminated waste being dug up and hauled away from this area. The material was treated and disposed of at licensed, offsite locations in accordance with applicable regulations.

The placement of clean backfill to near-final grade was completed at 45 Halladay Street and the northern portion of 25 Halladay Street in July 2015. Clean fill for a majority of the site was amended with FerroBlack®-H. This water-based suspension of ferrous iron and sulfide is designed to prevent the backfill from being contaminated by chromium-impacted groundwater and to support groundwater remediation.

The remediation of the southern portion of 25 Halladay Street will be conducted on a schedule to be determined.

PPG has retained an LSRP to address non-chromium contamination from historic fill and prior site operations unrelated to PPG, including volatile organics, semivolatile organics, PCBs, pesticides, non-CCPW metals, and petroleum. A remedial investigation to address non-chromium contamination is ongoing. These and other non-chromium contaminants that exceed soil remediation standards and groundwater screening levels will be addressed under the LSRP program. Al LoPilato of AECOM is the LSRP. His telephone number is: 845-425-4980.

A groundwater investigation will follow to determine whether further groundwater cleanup is required.

Hudson County Chrome Site No. 143 – F. Talarico Auto
846 Garfield Ave., Jersey City, N.J. 07305
Block 21510, Lot 1
NJDEP ID No. G000008759

Chromate chemical production waste, or CCPW, was the source of hexavalent chromium

(Over)

concentrations in soil that exceeded cleanup criteria and total chromium concentrations that exceed NJDEP GWQS in the intermediate groundwater zone (about 20 to 40 feet deep).

PPG purchased the site in February 2013 and demolished the building in June 2013, disposing of the debris at a regulated facility. Soil remediation was conducted between March 2014 and August 2014. More than 65,000 tons of chromium-contaminated waste was dug up and hauled away from this area, including soil excavated from Site 132, where remediation was conducted concurrent with this site. The material was treated and disposed of at licensed, offsite locations in accordance with applicable regulations.

The placement of clean backfill to near-final grade was completed in November 2014. Clean fill for a portion of the site received clean backfill that was amended with FerroBlack®-H. This water-based suspension of ferrous sulfide is designed to prevent the backfill from being contaminated by chromium-impacted groundwater and to support groundwater remediation.

PPG has retained an LSRP to address non-chromium contamination from historic fill and prior site operations unrelated to PPG, including volatile organics, semivolatile organics, PCBs, pesticides, non-CCPW metals and petroleum. A remedial investigation to address non-chromium contamination is ongoing. These and other non-chromium contaminants that exceed soil remediation standards and groundwater screening levels will be addressed under the LSRP program. Al LoPilato of AECOM is the LSRP. His telephone number is: 845-425-4980.

A groundwater investigation will follow to determine whether further groundwater cleanup is required.

Hudson County Chrome Site No. 186 – Garfield Avenue No. 1
947 Garfield Ave., Jersey City, N.J. 07304
Block 19802, Lot 2
NJDEP ID No. G0000114777

Chromate chemical production waste, or CCPW, was the source of hexavalent chromium concentrations that exceeded soil cleanup criteria and total chromium concentrations that exceed the NJDEP GWQS.

The soil cleanup was completed in November 2013. A remedial action report was submitted to the NJDEP in March 2014 and approved in April 2014. A consent judgment compliance letter documenting NJDEP's approval of the completion of the soil remediation was issued in July 2015.

A groundwater investigation will follow to determine whether further groundwater cleanup is required.

Former Fishbein Property
816 Garfield Ave., Jersey City, N.J. 07305
Block 21510, Lot 11
NJDEP ID No. 629388

PPG purchased this small property in December 2013. Hexavalent chromium concentrations exceed soil cleanup criteria and total chromium concentrations exceed the NJDEP GWQS at this location.

As a result, an investigation will be conducted to determine the full extent of contamination, including the source of the chromium.

PPG has retained an LSRP to address non-chromium contamination from historic fill and prior site operations unrelated to PPG, including semivolatile organics, PCBs and non-CCPW metals. A remedial investigation to address non-chromium contamination is ongoing. These and other non-chromium contaminants that exceed soil remediation standards and groundwater screening levels will be addressed under the LSRP program. Al LoPilato of AECOM is the LSRP. His telephone number is: 845-425-4980.

A groundwater investigation will follow to determine whether further groundwater cleanup is required.

Former Halsted Bag Company Property
78 Halladay St., Jersey City, N.J. 07304
Block 21502, Lots 12 through 17
NJDEP ID No. 722429

Analytical results from a remedial investigation at this commercial property indicate concentrations of hexavalent chromium in some soil samples collected from beneath the building slab exceed cleanup criteria.

PPG purchased the property in February 2016. The prior owners vacated the building. The building is currently occupied by Al Smith Moving, which moved its operation into the former Halsted Building to allow demolition/remediation of the Al Smith Moving building. Al Smith Moving will vacate the former Halsted building on or before October 31, 2017 to allow PPG to demolish the former Halsted building and complete the remediation of chromium-impacted soil and debris underlying the building. Excavation is scheduled to start in May 2018. The adjacent portion of Halladay Street will be remediated concurrently.

PPG has retained an LSRP to address non-chromium contamination from historic fill and prior site operations unrelated to PPG, including volatile organics, semivolatile organics, non-CCPW metals, PCBs and pesticides. A remedial investigation to address non-chromium contamination is ongoing. These and other non-chromium contaminants that exceed soil remediation standards and groundwater screening levels will be addressed under the LSRP program. Al LoPilato of AECOM is the LSRP. His telephone number is: 845-425-4980.

(Over)

A groundwater investigation will follow to determine whether further groundwater cleanup is required.

84, 86, 90 and 98 Forrest Street, Jersey City, N.J. 07304
Block 21501, Lots 11, 12, 14, and 15

Hexavalent chromium concentrations exceed soil cleanup criteria and total chromium concentrations exceed the NJDEP GWQS at this location. Excavation of chromium-impacted soil and the placement of clean backfill on portions of Forrest Street and unimproved lot areas began in March 2017 and were completed in July 2017. The excavated material was disposed of at licensed, offsite locations in accordance with applicable regulations. Clean fill for the northern portion of the site was amended with FerroBlack®-H in areas where groundwater was encountered. This water-based suspension of ferrous iron and sulfide is designed to prevent the backfill from being contaminated by chromium-impacted groundwater and to support groundwater remediation. Full remediation of the building footprints, alleyway, and buffer around building areas is being deferred to a later date.

A groundwater investigation will follow to determine whether groundwater cleanup is required.

Al Smith Moving Property
33 Pacific Avenue, Jersey City, N.J. 07304
Block 21509, Lot 3

Chromium-contaminated soil has been discovered at this commercial property. Additional investigation was conducted to determine the full extent of contamination, including the source of the chromium. Hexavalent chromium concentrations exceed soil cleanup criteria at this location.

Demolition of the Al Smith Moving building occurred in July and August 2017 and PPG anticipates that excavation of chromium-impacted soils under the building will be completed in 2017.

Ten West Apparel Property
800 Garfield, Jersey City, N.J. 07304
Block 21510, Lot 39

Chromium-contaminated soil has been discovered at this commercial property. PPG is currently conducting a soil and groundwater investigation to determine the extent of remediation required.

Caven Point Avenue, Jersey City, N.J. 07305
NJDEP ID No. 708218

Analytical results from one soil remedial investigation boring just south of Caven Point Avenue, located between the Valero Station and 20 Commercial Street properties, indicated a concentration of hexavalent chromium that exceeded cleanup criteria. PPG remediated this chromium-impacted area in May 2014. The results were documented in a remedial action report approved by NJDEP on August 4, 2015. A Response Action Outcome, indicating that no further

remedial action is required, was issued for the Caven Point site in 2016 under Site Remediation Program, Program Interest Number 708218.

457 Communipaw Avenue, Jersey City, N.J. 07305

Block 18901 Lot 15, 18

NJDEP ID No. 715149

Chromate chemical production waste, or CCPW, was the source of hexavalent chromium concentrations that exceeded soil cleanup criteria.

Chromium impacted soil was discovered at the intersection of Berry Lane and Communipaw Avenue. The excavation of approximately 70 tons of chromium-impacted soil was conducted between February and March 2016 at the Communipaw Avenue Right-of-Way (Block 18901, Lot 18) adjacent to 457 Communipaw Avenue. Excavated material was treated and disposed of at licensed, offsite locations in accordance with applicable regulations.

The portion of this impacted area that was accessible to PPG has been fully remediated. During the excavation, and confirmed by post excavation analytical results, CCPW was observed on the western sidewall of the excavation indicating that soil impacts extend onto the adjacent property (457 Communipaw Ave, Block 18901, Lot 15). PPG will be conducting an investigation and will then determine a remedial approach.

Additional Work Completed

Based upon a request from the NJDEP to further delineate chromium contamination, the following properties were also investigated (the results were less than the soil remediation standards):

- Parness Trucking Corporation – 181 Pacific Avenue (Block 19903, Lots 1, 4, 5, 8 & 9)
- Valero Station – 770 Garfield Avenue (Block 23305, Lots 1 & 2)
- East Cost Collision – 783 Garfield Avenue (Block 23304, Lot 13)
- Frenchpark Warehouse – 855 Garfield Avenue (Block 21404, Lots 3 & 5)
- Cypress Tavern – 784 Garfield Avenue (Block 21510, Lot 7)
- Garfield Avenue Scrap Metal – 802 Garfield Avenue (Block 21510, Lot 10)
- 20 Commercial Street (Block 24301, Lot 1)
- Former Northern Morris Canal Area (Block 18901, Lots 3 - 15)
- 851 Garfield Avenue, LLC - 851 Garfield Avenue (Block 21404, Lot 6) [The wells installed on this property may be used in the future groundwater remedial investigation.]

One well at Frenchpark Warehouse indicated results that total chromium concentrations in groundwater exceeded the NJDEP GWQS.

Display Advertisement

'Barricaded' man found dead with gunshot wound in Harrison

BY CAITLIN MOTA
JOURNAL STAFF WRITER

HARRISON — Authorities found a "barricaded" man dead of a gunshot wound inside his luxury apartment early yesterday morning, authorities said.

The victim has only been identified as a man in his 20s and his death does not appear to be

suspicious at this time, a spokesman for the Hudson County Prosecutor's Office said.

Sources say police spotted the man driving without a tire on his car late Sunday night.

He stopped his vehicle somewhere in the area of his Frank E. Rodgers Boulevard apartment and ran inside.

A spokesman for the Hudson

County Sheriffs Office said the department's SWAT team responded to "assist with a barricaded suspect."

The prosecutor's homicide unit responded to the scene when the man was found with a single gunshot wound.

No additional information about the incident has been made available.



ENA ROSE SIBAYAN JOURNAL FILE PHOTOS
air at Fitzpatrick Park on

Health fair at Fitzpatrick Park

Improving the health of the community is one of the best things that local government can do," Bayonne Mayor Jimmy Davis said in a statement. "The City of Bayonne is proud to bring together a variety of public agencies, nonprofit organizations, and healthcare-related services in one location to serve the people of Bayonne."

In the event of rain, the health fair would take place tomorrow at the same hours and location.

"I urge Bayonne residents to drop by the health fair and take advantage of

a great opportunity to improve your health," Davis said. Although the Bayonne Farmers' Market will not take place today, Ort Farms will be on hand to distribute produce to those who have pre-purchased items from its weekly shares program.

Look for Ort Farms in the Avenue C area between 26th and 28th streets during regular Farmers' Market hours.



air at
held today.

**Notification of Environmental Investigation and Cleanup
Hudson County Chromate Site No. 114, Garfield Avenue Site
880-900 Garfield Ave., Jersey City, N.J. 07305
Block 21501, Lots 16, 17, 18, 19 and 20
NJDEP ID #G000008791
September 26, 2017**

In accordance with New Jersey Department of Environmental Protection (NJDEP) regulations for "Notification and Public Outreach," PPG is required to provide information relating to environmental conditions and remedial activities being conducted at the above-referenced site.

Former operations conducted at the Garfield Avenue Site (the Site) included a chromium ore processing plant. Groundwater at the Site is impacted with hexavalent chromium and other incidental metals that were associated with Site operations and were initially detected in the groundwater in 1983 and in the soil in 1990. PPG has determined that the contamination in groundwater has migrated from the Site and will continue to investigate until the extent of contamination is defined.

PPG continues to conduct investigative and/or remedial activities in accordance with the requirements of the NJDEP to address the chemical contaminants associated with former plant operations. The southern boundary of the groundwater contamination is located approximately at Caven Point Avenue, which is about 800 feet from the Site. The eastern boundary is near to and along Pacific Avenue, which is approximately 200 feet from the Site. The northern boundary is located proximate to a commercial property known as 90 and 98 Forrest Street.

The chromium-impacted groundwater is located beneath commercial and industrial properties in and immediately around the Site. Water reservoirs in Boonton, N.J., supply Jersey City with its drinking water. No groundwater in Jersey City is used for drinking, household or commercial uses.

Excavation of chromium-impacted soil at Site 114, which was the source of chromium in groundwater, was completed in November 2014.

For additional information or to obtain a copy of the complete fact sheet for this Site, please contact:

- The independent, court-appointed site administrator for PPG's cleanups via:
Telephone: 201-777-2099;
Email: Info@chromecleanup.com; or
Letter: Chromium Cleanup Partnership, One Hovchild Plaza, 4000 Route 66,
4th Floor (MCDC), Tinton, Falls, N.J. 07753.
- PPG's community relations consultant, Jeff Worden, 412-253-0816, or jeff@worden-pr.com; or
- The NJDEP Office of Community Relations at 609-984-3081.

Certificates of Mailing

Sept. 5, 2017

Robert Byrne
City Clerk
City of Jersey City
280 Grove St.
Jersey City, N.J. 07302

Re: Public notification from PPG

On behalf of PPG and in compliance with New Jersey Department of Environmental Protection public outreach regulations, attached are public notification documents issued in connection with the company's chromium cleanup commitments.

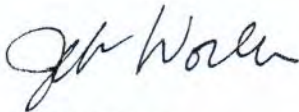
Enclosed please find:

- Samples of letters and related documents mailed to Jersey City residents near sites where the company is conducting or has conducted cleanup and/or investigation activities; and
- Distribution lists for each mailing.

A newspaper advertisement in connection with PPG's public notification requirements will be sent under separate cover.

Please contact me if you have any questions.

Thank you,



Jeff Worden

Ms. Jackson

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U.S. POSTAL SERVICE MAY BE USED FOR DOMESTIC AND INTERNATIONAL MAIL, DOES NOT PROVIDE FOR INSURANCE — POSTMASTER	CERTIFICATE OF MAILING One piece of ordinary mail addressed to:
Received From:	Worden Public Relations P.O. Box 10443 Pittsburgh, Pa. 15234
Affix fee here in stamps or meter postage and post mark. Inquire of Postmaster for current fees.	Health Department City of Bayside 630 Avenue C Bayside N.J. 07002

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Received From:	Worden Public Relations P.O. Box 10443 Pittsburgh Pa. 15234
One piece of ordinary mail addressed to:	Vera Smith, Health Officer Division of Health, Jersey City 199 Summit Ave., Unit F Jersey City, N.J. 07304

PS Form 3817, Mar. 1989

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One piece of ordinary mail addressed to:	Hudson Regional Health Commission 595 County Ave., Building No. 1 Secaucus, N.J. 07094

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69 MONTGOMERY ST
JERSEY CITY
NJ

07302-9998
3338700400

09/05/2017 (800)275-8777 1:42 PM

Product Description	Sale Qty	Final Price

First-Class Mail	1	\$1.82

Large Envelope
(Domestic)
(BAYONNE, NJ 07002)
(Weight:0 Lb 4.10 Oz)
(Expected Delivery Day)
(Thursday 09/07/2017)

Cert of Mail	1	\$1.35
(Affixed Amount:\$0.00)		

PM 1-Day	1	\$7.20

(Domestic)
(SECAUCUS, NJ 07094)
(Weight:1 Lb 0.90 Oz)
(Expected Delivery Day)
(Wednesday 09/06/2017)
(USPS Tracking #)
(9505 5143 5569 7248 1157 68)

Cert of Mail	1	\$1.35
(Affixed Amount:\$0.00)		

PM 1-Day	1	\$6.65

(Domestic)
(JERSEY CITY, NJ 07304)
(Weight:0 Lb 14.10 Oz)
(Expected Delivery Day)
(Wednesday 09/06/2017)
(USPS Tracking #)
(9505 5143 5569 7248 1157 75)

Cert of Mail	1	\$1.35
(Affixed Amount:\$0.00)		

Total		\$19.72

Credit Card Remitd		\$19.72

(Card Name:VISA)
(Account #:XXXXXXXXXXXX3752)
(Approval #:005970)
(Transaction #:077)

Includes up to \$50 insurance

In a hurry? Self-service kiosks offer quick and easy check-out. Any Retail Associate can show you how.

Text your tracking number to 28777 (2USPS) to get the latest status. Standard Message and Data rates may apply. You may also visit USPS.com USPS Tracking or call 1-800-222-1811.

Save this receipt as evidence of insurance. For information on filing an insurance claim go to <https://www.usps.com/help/claims.htm>.

Order stamps at usps.com/shop or call 1-800-Stamp24. Go to usps.com/clicknship to print shipping labels with postage. For other information call 1-800-ASK-USPS.

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or call 1-800-410-7420.

YOUR OPINION COUNTS

Bill #: 840-50700150-4-1548132-2
Clerk: 2



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USPS Tracking/Article Number		Addressee (Name, Street, City, State, & ZIP Code™)	Postage	(Extra Service) Fee	Handling Charge	Actual Value if Registered	Insured Value	Due Sender if COD	ASR Fee	ASRD Fee	RD Fee	RR Fee	SC Fee	SCRD Fee	SH Fee
PPG Industries PO Box 10443 Pittsburgh, PA 15234		☐ Adult Signature Required ☐ Adult Signature Restricted Delivery ☐ Certified Mail ☐ Certified Mail Restricted Delivery ☐ Collect on Delivery (COD) ☐ Insured Mail ☐ Priority Mail	☐ Priority Mail Express ☐ Registered Mail ☐ Return Receipt for Merchandise ☐ Signature Confirmation ☐ Signature Confirmation Restricted Delivery												
1.		John 723, LLC 63 Major Drive Sayreville, NJ 08872													
2.		Current Occupant 5 Summit Avenue Jersey City, NJ 07307													
3.		John 723, LLC 63 Major Drive Sayreville, NJ 08872													
4.		Current Occupant 1 Summit Avenue Jersey City, NJ 07307													
5.		John 723, LLC 63 Major Drive Sayreville, NJ 08872													
6.		Current Occupant 478A Communipaw Avenue Jersey City, NJ 07304													
7.		470 Parkway Realty, LLC 98 Jewett Avenue Staten Island, NY 10302													
8.		Current Occupant 470 Communipaw Avenue Jersey City, NJ 07304													
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1.	CommuniPaw Associates, LLC 1879 Morris Avenue Union, NJ 07083													
2.	Current Occupant 487 CommuniPaw Avenue Jersey City, NJ 07304													
3.	N.J. Dept. of Transportation 1035 Parkway Avenue Trenton, NJ 08625													
4.	Current Occupant CommuniPaw Avenue Jersey City, NJ 07304													
5.	Akram, Qaiser 88 Gifford Avenue Jersey City, NJ 07304													
6.	Current Occupant CommuniPaw Avenue Jersey City, NJ 07304													
7.	Junction Holding Co., LLC Or Current Occupant, 475 CommuniPaw Avenue Jersey City, NJ 07302													
8.	86002229 LLC 33 Hudson Street, #1912E Jersey City, NJ 07302													
Total Number of Pieces Listed by Sender 8	Total Number of Pieces Received at Post Office	Postmaster, Per (Name of receiving employee)												



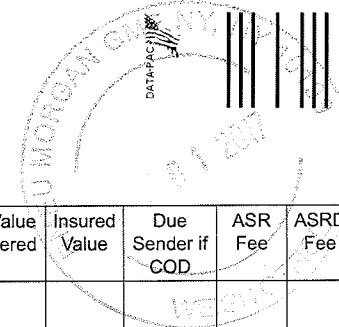
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1.	Current Occupant 12-14 Harmon Street Jersey City, NJ													
2.	Gomez, Sandra M. 413 Communipaw Avenue Jersey City, NJ 07304													
3.	Current Occupant 16 Harmon Street Jersey City, NJ													
4.	452 Communipaw Avenue Realty Corp. 452 Communipaw Avenue Jersey City, NJ 07304													
5.	Current Occupant 466 Communipaw Avenue Jersey City, NJ 07304													
6.	Garfield AP: JT: TFT & MST LLC Or Current Occupant, 1112 Garfield Ave. Jersey City, NJ 07304													
7.	City of Jersey City 280 Grove Street Jersey City, NJ 07302													
8.	Current Occupant 460 Communipaw Avenue Jersey City, NJ 07304													
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PPG Industries PO Box 10443 Pittsburgh, PA 15234		☐ Adult Signature Required ☐ Adult Signature Restricted Delivery ☐ Certified Mail ☐ Certified Mail Restricted Delivery ☐ Collect on Delivery (COD) ☐ Insured Mail ☐ Priority Mail		☐ Priority Mail Express ☐ Registered Mail ☐ Return Receipt for Merchandise ☐ Signature Confirmation ☐ Signature Confirmation Restricted Delivery													
1.	Wesson, Marc & R. & C. Tenn Or Current Occupant, 430 Communipaw Ave. Jersey City, NJ 07304																
2.	Wesson, Marc & R. & C. Tenn Or Current Occupant, 430 Communipaw Ave. Jersey City, NJ 07305																
3.	452 Communipaw Ave. Realty Corp. Or Current Occupant, 452 Communipaw Ave. Jersey City, NJ 07304																
4.	Jersey City Redevelopment 30 Montgomery Street Jersey City, NJ 07302																
5.	Current Occupant 990 Garfield Avenue Jersey City, NJ 07304																
6.	Jersey City Redevelopment Agency 66 York Street Jersey City, NJ 07302																
7.	Current Occupant 1 Berry Road Jersey City, NJ																
8.	Jersey City Redevelopment Agency 30 Montgomery Street Jersey City, NJ 07302																
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1.		Current Occupant 1000 Garfield Avenue Jersey City, NJ 07304																
2.		Simmons, La Toya C/O K. Simmons 153 Clerk Street Jersey City, NJ 07305																
3.		Current Occupant 1028 Garfield Avenue Jersey City, NJ 07304																
4.		Gipson & Sons, Inc. 42 Scenic Point Circle Sicklerville, NJ 08081																
5.		Current Occupant 1040 Garfield Avenue Jersey City, NJ 07304																
6.		Gipson & Sons 56 Gregory Drive Williamstown, NJ 08094																
7.		Current Occupant 1042 Garfield Avenue Jersey City, NJ 07304																
8.		Bell, Clifton & Philip Or Current Occupant, 1052 Garfield Avenue Jersey City, NJ 07304																
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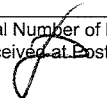
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1.	Jersey City Redevelopment Agency 66 York Street Jersey City, NJ 07302													
2.	Current Occupant 1054 Garfield Avenue Jersey City, NJ 07304													
3.	Jersey City Redevelopment Agency 66 York Street Jersey City, NJ 07302													
4.	Current Occupant 1056 Garfield Avenue Jersey City, NJ 07304													
5.	Jersey City Redevelopment Agency 66 York Street Jersey City, NJ 07302													
6.	Current Occupant 1058 Garfield Avenue Jersey City, NJ 07304													
7.	Jersey City Redevelopment Agency 66 York Street Jersey City, NJ 07302													
8.	Current Occupant 1060 Garfield Avenue Jersey City, NJ 07304													
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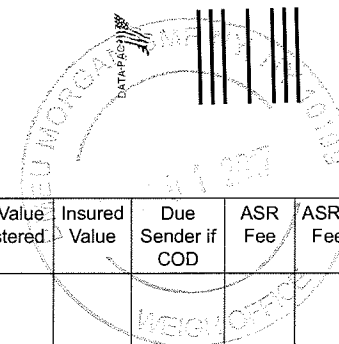
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1.	285 Lincoln Ave, LLC 295 Newark Avenue Jersey City, NJ 07302													
2.	Current Occupant 1064 Garfield Avenue Jersey City, NJ 07304													
3.	Jersey City Redevelopment Agency 66 York Street Jersey City, NJ 07302													
4.	Current Occupant 1068 Garfield Avenue Jersey City, NJ 07304													
5.	285 Lincoln Ave, LLC 295 Newark Avenue Jersey City, NJ 07302													
6.	Current Occupant 467 Communipaw Avenue Jersey City, NJ 07304													
7.	285 Lincoln Ave, LLC 66 York Street Jersey City, NJ 07302													
8.	Current Occupant 461 Communipaw Avenue Jersey City, NJ 07304													
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1.	Dev Dadlani, LLC 20 Birch Street Jersey City, NJ 07305													
2.	Current Occupant 457 Communipaw Avenue Jersey City, NJ 07304													
3.	City of Jersey City 280 Grove Street Jersey City, NJ 07302													
4.	Current Occupant 1 Berry Road Jersey City, NJ 07304													
5.	City of Jersey City 280 Grove Street Jersey City, NJ 07302													
6.	Current Occupant 1 Berry Road Jersey City, NJ 07304													
7.	City of Jersey City 280 Grove Street Jersey City, NJ 07302													
8.	Current Occupant 1 Berry Road Jersey City, NJ 07304													
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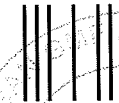
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1.	ISC, LLC 445 Communipaw Avenue Jersey City, NJ 07304													
2.	Current Occupant 453 Communipaw Avenue Jersey City, NJ 07304													
3.	ISC, LLC 445 Communipaw Avenue Jersey City, NJ 07304													
4.	Current Occupant 7 Berry Road Jersey City, NJ 07304													
5.	Ideal Supply Co. Or Current Occupant 445 Communipaw Avenue Jersey City, NJ 07304													
6.	451 Communipaw Ave. Inc. C/O Snow Joe LLC , 305 Veterans Blvd. Carlstadt, NJ 07072													
7.	Current Occupant 451 Communipaw Avenue Jersey City, NJ 07304													
8.	ISC, LLC 445 Communipaw Avenue Jersey City, NJ 07304													
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1.	Current Occupant 437 Communipaw Avenue Jersey City, NJ 07304													
2.	J.C. Mac Elroy Co., Inc. 91 Ethel Roas West Piscataway, NJ 08855													
3.	Current Occupant 417 Communipaw Avenue Jersey City, NJ 07304													
4.	Steel Technology Corp. P. O. Box 850 Piscataway, NJ 08855													
5.	Current Occupant 139 Woodward Street Jersey City, NJ 07304													
6.	Freeman-Scott, Shuwanna & Nathaniel 47 Nutmeg Road Aberdeen, NJ 07747													
7.	Current Occupant 236 Randolph Avenue Jersey City, NJ 07304													
8.	Salley, Gloria M. Or Current Occupant 238 Randolph Avenue Jersey City, NJ 07304													
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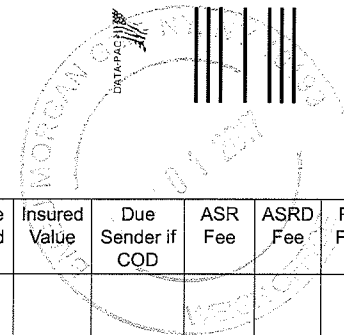
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1.	Salley, Gloria 238 Randolph Avenue Jersey City, NJ 07304													
2.	Current Occupant 240 Randolph Avenue Jersey City, NJ 07304													
3.	Perkins, Meia 238 Randolph Avenue Jersey City, NJ 07304													
4.	Current Occupant 242 Randolph Avenue Jersey City, NJ 07304													
5.	Randolph Avenue 15, L.L.C. 4706 18th Avenue Brooklyn, N.Y. 11204													
6.	Current Occupant 244 Randolph Avenue Jersey City, NJ 07304													
7.	Ljuba, LLC 246-8 Randolph Avenue Jersey City, NJ 07304													
8.	Current Occupant 246 Randolph Avenue Jersey City, NJ 07304													
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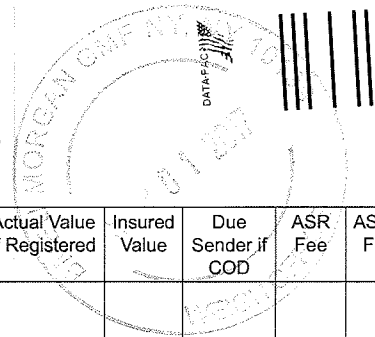
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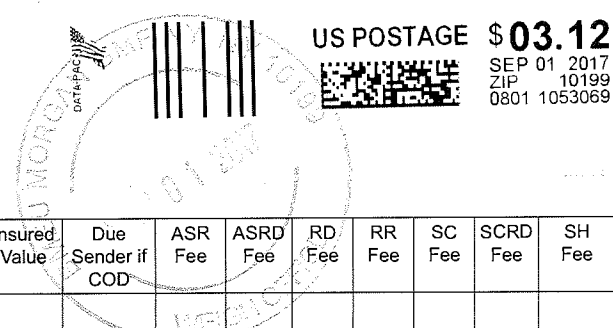
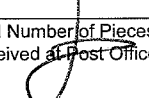


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1.	Ljuba, LLC 246-8 Randolph Avenue Jersey City, NJ 07304													
2.	Current Occupant 248 Randolph Avenue Jersey City, NJ 07304													
3.	350 Randolph, L.L.C. 336 St. Pauls Avenue Jersey City, NJ 07306													
4.	Current Occupant 250 Randolph Avenue Jersey City, NJ 07304													
5.	350 Randolph, L.L.C. 336 St. Pauls Avenue Jersey City, NJ 07306													
6.	Current Occupant 252 Randolph Avenue Jersey City, NJ 07304													
7.	350 Randolph, L.L.C. 336 St. Pauls Avenue Jersey City, NJ 07306													
8.	Current Occupant 254 Randolph Avenue Jersey City, NJ 07304													
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USPS Tracking/Article Number	Addressee (Name, Street, City, State, & ZIP Code™)	Postage	(Extra Service) Fee	Handling Charge	Actual Value if Registered	Insured Value	Due Sender if COD	ASR Fee	ASRD Fee	RD Fee	RR Fee	SC Fee	SCRD Fee	SH Fee	
1.	350 Randolph, L.L.C. 336 St. Pauls Avenue Jersey City, NJ 07306														
2.	Current Occupant 256 Randolph Avenue Jersey City, NJ 07304														
3.	Disla, Yersonn & Batista, Ana Or Current Occupant, 431 Bramhall Ave. Jersey City, NJ 07304														
4.	Ryms Realty, Inc. 4706 18th Avenue Brooklyn, N.Y. 11024														
5.	Current Occupant 975 Garfield Avenue Jersey City, NJ 07304														
6.	Ryms Realty, Inc. 4706 18th Avenue Brooklyn, N.Y. 11204														
7.	Current Occupant 2 Union Street Jersey City, NJ														
8.	10-12 Union, LLC 4706 18th Avenue Brooklyn, N.Y. 11204														
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1.		Current Occupant 10-12 Union Street Jersey City, NJ														
2.		Batista, Cirilo 880 Anna Street Elizabeth, NJ 07201														
3.		Current Occupant 276 Randolph Avenue Jersey City, NJ 07304														
4.		Mercer, Oslbery B. & Jocelyn C. Or Current Occupant, 278 Randolph Ave. Jersey City, NJ 07304														
5.		Kothapally, Srinivas Or Current Occupant, 280 Randolph Avenue Jersey City, NJ 07304														
6.		Delaserna, Martin & Elsa Or Current Occupant, 282 Randolph Avenue Jersey City, NJ 07304														
7.		Williams, Lamar & Pricillia Or Current Occupant, 284 Randolph Avenue Jersey City, NJ 07304														
8.		Benjamin, Handel M. Or Current Occupant, 286 Randolph Avenue Jersey City, NJ 07304														
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1.	Jordan, Gerome 44 W. 55th Street, #2 Bayonne, NJ 07002													
2.	Current Occupant 288 Randolph Avenue Jersey City, NJ 07304													
3.	Reaves, Kenneth L. & Ellen Or Current Occupant, 290 Randolph Avenue Jersey City, NJ 07304													
4.	Culcleasure, Damon Or Current Occupant, 292 Randolph Avenue Jersey City, NJ 07304													
5.	Mbeh, Joseph & London, Khaleah Or Current Occupant, 294 Randolph Ave. Jersey City, NJ 07304													
6.	Trinidad, Romulo & Aguirre, Carmen Or Current Occupant, 296 Randolph Ave. Jersey City, NJ 07304													
7.	Samuels, Albert, Khednte, Francis Or Current Occupant, 298 Randolph Ave. Jersey City, NJ 07304													
8.	300 Randolph Avenue LLC 245 4th Street #2 Jersey City, NJ 07302													
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1.	Current Occupant 300 Randolph Avenue Jersey City, NJ 07304													
2.	Dixon, Callie Or Current Occupant 302 Randolph Avenue Jersey City, NJ 07304													
3.	Sellers, Antonio & Felicia D. Or Current Occupant, 304 Randolph Avenue Jersey City, NJ 07304													
4.	Brian Builders, LLC 89 Kearney Avenue Jersey City, NJ 07305													
5.	Current Occupant 306 Randolph Avenue Jersey City, NJ 07304													
6.	Brian Builders, LLC 89 Kearney Avenue Jersey City, NJ 07305													
7.	Current Occupant 308 Randolph Avenue Jersey City, NJ 07304													
8.	Brian Builders, LLC 89 Kearney Avenue Jersey City, NJ 07305													
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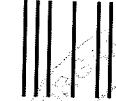
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1.	Current Occupant 310 Randolph Avenue Jersey City, NJ 07304													
2.	Bobeanu, Stefania Amalia Or Current Occupant, 312 Randolph Avenue Jersey City, NJ 07304													
3.	Pena, Maria Or Current Occupant 314 Randolph Avenue Jersey City, NJ 07302													
4.	Singh, Banemattie 318-320 Randolph Avenue Jersey City, NJ 07305													
5.	Current Occupant 318 Randolph Avenue Jersey City, NJ 07304													
6.	324-326 Randolph Ave. JC LLC 65 Kingsland Ave., #2 Clifton, NJ 07014													
7.	Current Occupant 324 Randolph Avenue Jersey City, NJ 07304													
8.	324-326 Randolph Ave. JC LLC 65 Kingsland Ave., #2 Clifton, NJ 07014													
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1.		Current Occupant 326 Randolph Avenue Jersey City, NJ 07304														
2.		John & Maryann, LLC 140 Bleeker Street Jersey City, NJ 07307														
3.																
4.																
5.																
6.																
7.																
8.																
Total Number of Pieces Listed by Sender 2		Total Number of Pieces Received at Post Office 2		Postmaster, Per (Name of receiving employee)												



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1.	Current Occupant 328 Randolph Avenue Jersey City, NJ 07304													
2.	Saquian, Dominic C. & Maria S. 243 Firth Street S. Plainfield, NJ 07080													
3.	Current Occupant 332 Randolph Avenue Jersey City, NJ 07304													
4.	Cureton, Nadia N. Or Current Occupant 334 Randolph Avenue Jersey City, NJ 07304													
5.	RH 336-340 Randolph Ave. LLC Or Current Occupant, 336 Randolph Ave. Jersey City, NJ 07304													
6.	RH 336-340 Randolph Ave. LLC Or Current Occupant, 338 Randolph Ave. Jersey City, NJ 07304													
7.	RH 336-340 Randolph Ave. LLC Or Current Occupant, 340 Randolph Ave. Jersey City, NJ 07304													
8.	Wong, Cedric 123 Town Square Pl., #296 Jersey City, NJ 07310													
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1.	Current Occupant 342 Randolph Avenue Jersey City, NJ 07304													
2.	Thind, Imrinjeet K. 110 Liberty Corner Road Warren, NJ 07059													
3.	Current Occupant 344 Randolph Avenue Jersey City, NJ 07304													
4.	Perez, Leticia PO Box 5222 Jersey City, NJ 07305													
5.	Current Occupant 346 Randolph Avenue Jersey City, NJ 07304													
6.	Perez, George P. O. Box 5222 Jersey City, NJ 07305													
7.	Current Occupant 348 Randolph Avenue Jersey City, NJ 07304													
8.	Martinez, Olnavi Or Current Occupant 350 Randolph Avenue Jersey City, NJ 07304													
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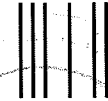
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1.	Wu, Jing 1054 Mount Pleasant Avenue Wayne, PA 19087													
2.	Current Occupant 352 Randolph Avenue Jersey City, NJ 07304													
3.	Public Service Electric & Gas Co. 80 Park Pl. Tax Dept. T-6B Newark, NJ 07102													
4.	Current Occupant 1051 Garfield Avenue Jersey City, NJ 07304													
5.	Public Service Electric & Gas Co. 80 Park Pl. Tax Dept. T-6B Newark, NJ 07102													
6.	Current Occupant 1047 Garfield Avenue Jersey City, NJ 07304													
7.	Public Service Electric & Gas Co. 80 Park Pl. Tax Dept. T-6B Newark, NJ 07102													
8.	Current Occupant 1045 Garfield Avenue Jersey City, NJ 07304													
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1.	Shorty's Empire, Inc. Or Current Occupant, 1041 Garfield Avenue Jersey City, NJ 07304													
2.	Leon, Jorge E. & Amada L. 1037-39 Garfield Avenue Jersey City, NJ 07304													
3.	Current Occupant 1039 Garfield Avenue Jersey City, NJ 07304													
4.	Leon, Jorge E. & Amada L. 1037-39 Garfield Avenue Jersey City, NJ 07304													
5.	Current Occupant 1037 Garfield Avenue Jersey City, NJ 07304													
6.	Pettiford, Diane & Hill, Gail Jones Or Current Occupant, 1035 Garfield Ave. Jersey City, NJ 07304													
7.	Sielski, Karl 3301 Liberty Lane Wall, N.J. 07719													
8.	Current Occupant 1033 Garfield Avenue Jersey City, NJ 07304													
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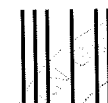


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1.	City of Jersey City 280 Grove Street Jersey City, NJ 07302													
2.	Current Occupant 1025 Garfield Avenue Jersey City, NJ 07304													
3.	City of Jersey City 280 Grove Street Jersey City, NJ 07302													
4.	Current Occupant 1023 Garfield Avenue Jersey City, NJ 07304													
5.	City of Jersey City 280 Grove Street Jersey City, NJ 07302													
6.	Current Occupant 1021 Garfield Avenue Jersey City, NJ 07304													
7.	City of Jersey City 280 Grove Street Jersey City, NJ 07302													
8.	Current Occupant 1019 Garfield Avenue Jersey City, NJ 07304													
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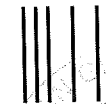
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1.	City of Jersey City 280 Grove Street Jersey City, NJ 07302													
2.	Current Occupant 1017 Garfield Avenue Jersey City, NJ 07304													
3.	City of Jersey City 280 Grove Street Jersey City, NJ 07302													
4.	Current Occupant 1015 Garfield Avenue Jersey City, NJ 07304													
5.	City of Jersey City 280 Grove Street Jersey City, NJ 07302													
6.	Current Occupant 1013 Garfield Avenue Jersey City, NJ 07304													
7.	City of Jersey City 280 Grove Street Jersey City, NJ 07302													
8.	Current Occupant 1011 Garfield Avenue Jersey City, NJ 07304													
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1.	City of Jersey City 280 Grove Street Jersey City, NJ 07302													
2.	Current Occupant 1009 Garfield Avenue Jersey City, NJ 07304													
3.	Harikrishin, Harry 23 Terhune Avenue #1 Jersey City, NJ 07305													
4.	Current Occupant 1007 Garfield Avenue Jersey City, NJ 07304													
5.	Johnson, Warlyne 1005 Garfield Avenue, 2nd Fl. Jersey City, NJ 07305													
6.	Current Occupant 1005 Garfield Avenue Jersey City, NJ 07304													
7.	Jurado, Nydia Or Current Occupant 1003 Garfield Avenue Jersey City, NJ 07304													
8.	Gunness, Robert S. Or Current Occupant 1001 Garfield Avenue Jersey City, NJ 07304													
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1.		Rose, Samuel & Louise Or Current Occupant, 424 Bramhall Avenue Jersey City, NJ 07304																
2.		Thomas, Malvetter B. Or Current Occupant, 426 Bramhall Avenue Jersey City, NJ 07304																
3.		Williams, Doris E. Or Current Occupant 428 Bramhall Avenue Jersey City, NJ 07304																
4.		Smith, James & Dolores Or Current Occupant, 430 Bramhall Avenue Jersey City, NJ 07304																
5.		Metropolitan Family Health Network Or Current Occupant, 935 Garfield Ave. Jersey City, NJ 07304																
6.		Rodriguez, Jorge 100 Linden Avenue, Apt. #1 Jersey City, NJ 07305																
7.		Current Occupant 947 Garfield Avenue Jersey City, NJ 07304																
8.		City of Jersey City 280 Grove Street, #B10 Jersey City, NJ 07302																
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1.	Current Occupant 984 Garfield Avenue Jersey City, NJ 07304													
2.	Jersey City Redevelopment Agency 30 Montgomery Street Jersey City, NJ 07302													
3.	Current Occupant 75 Woodward Street Jersey City, NJ 07304													
4.	Jersey City Redevelopment Agency 30 Montgomery Street, #910 Jersey City, NJ 07302													
5.	Current Occupant 65 Woodward Street Jersey City, NJ 07304													
6.	Jersey City Redevelopment Agency 30 Montgomery Street #910 Jersey City, NJ 07302													
7.	Current Occupant Woodward Street Jersey City, NJ 07304													
8.	Jersey City Redevelopment Agency 30 Montgomery Street Jersey City, NJ 07302													
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USPS Tracking/Article Number	Addressee (Name, Street, City, State, & ZIP Code™)	Postage	(Extra Service) Fee	Handling Charge	Actual Value if Registered	Insured Value	Due Sender if COD	ASR Fee	ASRD Fee	RD Fee	RR Fee	SC Fee	SCRD Fee	SH Fee	
1.	Current Occupant 942 Garfield Avenue Jersey City, NJ 07304														
2.	Jersey City Redevelopment Agency 30 Montgomery Street Jersey City, NJ 07302														
3.	Current Occupant 944 Garfield Avenue Jersey City, NJ 07304														
4.	Jersey City Redevelopment Agency 30 Montgomery Street Jersey City, NJ 07302														
5.	Current Occupant 946 Garfield Avenue Jersey City, NJ 07304														
6.	Jersey City Redevelopment Agency 30 Montgomery Street Jersey City, NJ 07302														
7.	Current Occupant 948 Garfield Avenue Jersey City, NJ 07304														
8.	Jersey City Redevelopment Agency 30 Montgomery Street Jersey City, NJ 07302														
Total Number of Pieces Listed by Sender 8	Total Number of Pieces Received at Post Office 8	Postmaster, Per (Name of receiving employee)													

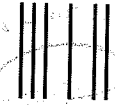


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1.	Current Occupant 960-958 Garfield Avenue Jersey City, NJ 07304													
2.	Jersey City Redevelopment Agency 30 Montgomery Street Jersey City, NJ 07302													
3.	Current Occupant 964 Garfield Avenue Jersey City, NJ 07304													
4.	Jersey City Redevelopment Agency 30 Montgomery Street Jersey City, NJ 07302													
5.	Current Occupant 966 Garfield Avenue Jersey City, NJ 07304													
6.	Jersey City Redevelopment Agency 30 Montgomery Street Jersey City, NJ 07302													
7.	Current Occupant 968 Garfield Avenue Jersey City, NJ 07304													
8.	City of Jersey City 280 Grove Street Jersey City, NJ 07302													
Total Number of Pieces Listed by Sender 8	Total Number of Pieces Received at Post Office 8	Postmaster, Per (Name of receiving employee)												

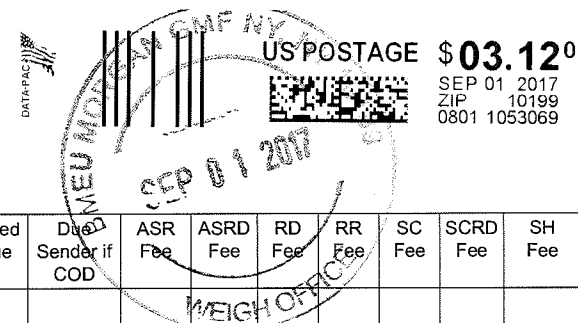


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1.	Current Occupant 970 Garfield Avenue Jersey City, NJ 07304													
2.	City of Jersey City 280 Grove Street Jersey City, NJ 07302													
3.	Current Occupant 972 Garfield Avenue Jersey City, NJ 07304													
4.	City of Jersey City 280 Grove Street Jersey City, NJ 07302													
5.	Current Occupant 976 Garfield Avenue Jersey City, NJ 07304													
6.	City of Jersey City 280 Grove Street Jersey City, NJ 07302													
7.	Current Occupant 978 Garfield Avenue Jersey City, NJ 07304													
8.	City of Jersey City 280 Grove Street Jersey City, NJ 07302													
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☐ Priority Mail Express
☐ Registered Mail
☐ Return Receipt for Merchandise
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1.	Current Occupant 980 Garfield Avenue Jersey City, NJ 07304													
2.	Jersey City Redevelopment Agency 30 Montgomery Street Jersey City, NJ 07302													
3.	Current Occupant Inside Garfield Avenue Jersey City, NJ 07304													
4.	Wallabout Realty Holding LLC 26 Rutledge Street Brooklyn, N.Y. 11249													
5.	Current Occupant Woodward Street Jersey City, NJ 07304													
6.	Wallabout Realty Holding LLC 26 Rutledge Street Brooklyn, N.Y. 11249													
7.	Current Occupant 87 Van Horne Street Jersey City, NJ 07304													
8.	Wallabout Realty Holding LLC 26 Rutledge Street Brooklyn, N.Y. 11249													
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1.		Current Occupant 72 Woodward Street Jersey City, NJ 07304														
2.		Wallabout Realty Holding LLC 26 Rutledge Street Brooklyn, N.Y. 11249														
3.		Current Occupant 74 Woodward Street Jersey City, NJ 07304														
4.		Wallabout Realty Holding LLC 26 Rutledge Street Brooklyn, N.Y. 11249														
5.		Current Occupant 76 Woodward Street Jersey City, NJ 07304														
6.		Wallabout Realty Holding LLC 26 Rutledge Street Brooklyn, N.Y. 11249														
7.		Current Occupant 78 Woodward Street Jersey City, NJ 07304														
8.		Vasquez, Gilberto Or Current Occupant 80-80.5 Woodward Street Jersey City, NJ 07304														
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1.	Caraballo, Hector & Ana A. 84.5 Woodward Street Jersey City, NJ 07304														
2.	Current Occupant 84-84.5 Woodward Street Jersey City, NJ 07304														
3.	Castillo, Altagracia 847 N. Kearney Street Allentown, PA 18109														
4.	Current Occupant 86-86.5 Woodward Street Jersey City, NJ 07304														
5.	Valerio, Mercedes Or Current Occupant 90-90.5 Woodward Street Jersey City, NJ 07304														
6.	Nwabueze, Rosemary Or Current Occupant 92-92.5 Woodward Street Jersey City, NJ 07304														
7.	Arkais, Mahendranarine 107 Highland Avenue Jersey City, NJ 07306														
8.	Current Occupant 94 Woodward Street Jersey City, NJ 07304														
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1.	Jimenez, Orfelia Or Current Occupant 98-98.5 Woodward Street Jersey City, NJ 07304													
2.	Veras, Milagros & Ramon Or Current Occupant, 102-102.5 Woodward Street Jersey City, NJ 07304													
3.	Parkside Equities, LLC Or Current Occupant, 104-104.5 Woodward Street Jersey City, NJ 07304													
4.	George, Tasha Or Current Occupant 106 Woodward Street Jersey City, NJ 07304													
5.	George, Tasha Andrea 1091 East 3rd Street Brooklyn, N.Y. 11230													
6.	Current Occupant 108 Woodward Street Jersey City, NJ 07304													
7.	Misch, Keith P.O. Box 3548 Jersey City, NJ 07303													
8.	Current Occupant 379.5 Bramhall Avenue Jersey City, NJ 07304													
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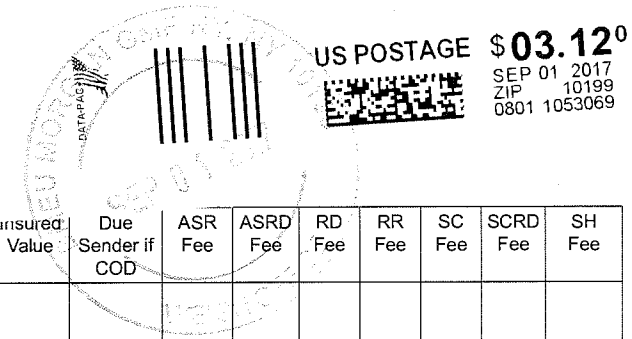


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1.	Morales, Dora Or Current Occupant 379 Bramhall Avenue Jersey City, NJ 07304													
2.	Assaoui, Si Ahmed Or Current Occupant, 377.5 Bramhall Avenue Jersey City, NJ 07304													
3.	Unger, Len & Rita Or Current Occupant 377 Bramhall Avenue Jersey City, NJ 07304													
4.	Pierre, Maxime Or Current Occupant 375.5 Bramhall Avenue Jersey City, NJ 07304													
5.	Hoover, Brooke A. Or Current Occupant 375 Bramhall Avenue Jersey City, NJ 07304													
6.	Atkins, Christa Or Current Occupant 373.5 Bramhall Avenue Jersey City, NJ 07304													
7.	Javois, Lloyd 220 Seventh Street Jersey City, NJ 07302													
8.	Current Occupant 373 Bramhall Avenue Jersey City, NJ 07304													
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1.	317 Bramhall, LLC %Terra Finan 36 Airport Road, Suite 104 Lakewood, NJ 08701													
2.	Current Occupant 127 Van Horne Street Jersey City, NJ 07304													
3.	Savulich, George C. 233 North Street Jersey City, NJ 07307													
4.	Current Occupant 125 Van Horne Street Jersey City, NJ 07304													
5.	Camacho, Miguel Angel Or Current Occupant, 123 Van Horne Street Jersey City, NJ 07304													
6.	Lee-Miller, Kendra Or Current Occupant 121 Van Horne Street Jersey City, NJ 07304													
7.	Harikrishin, Harry R. & K. Ortiz, E. 23 Terhune Avenue Jersey City, NJ 07305													
8.	Current Occupant 119 Van Horne Street Jersey City, NJ 07304													
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1.	Griffin, Roseanne Or Current Occupant 117 Van Horne Street Jersey City, NJ 07304													
2.	MK Property Holding LLC 110 Chestnut Ridge Road #161 Montvale, NJ 07645													
3.	Current Occupant 115 Van Horne Street Jersey City, NJ 07304													
4.	Rodriguez, C., Polanco, L. & Etals Or Current Occupant, 113 Van Horne St. Jersey City, NJ 07304													
5.	Rodriguez, C., Polanco, L. & Pang G. 113 Van Horne Street Jersey City, NJ 07304													
6.	Current Occupant 111 Van Horne Street Jersey City, NJ 07304													
7.	J.P. Affordable Hous. Hldg. Co. 853 Summit Avenue Jersey City, NJ 07307													
8.	Current Occupant 109 Van Horne Street Jersey City, NJ 07304													
Total Number of Pieces Listed by Sender 8	Total Number of Pieces Received at Post Office 8	Postmaster, Per (Name of receiving employee)												



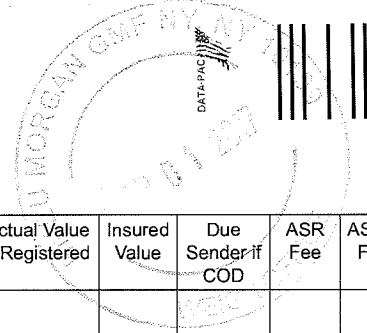
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1.	Cajuste, Frantz & Dorvil, Carine Or Current Occupant, 107 Van Horne St. Jersey City, NJ 07304													
2.	Harris, Elizabeth Clark 100 Van Horne Street Jersey City, NJ 07304													
3.	Current Occupant 105 Van Horne Street Jersey City, NJ 07304													
4.	Gonzalez, Alberto & Maria A. 103-103.5 Van Horne Street Jersey City, NJ 07304													
5.	Current Occupant 103 Van Horne Street Jersey City, NJ 07304													
6.	Jordan, Sandra Or Current Occupant 101 Van Horne Street Jersey City, NJ 07306													
7.	Wallabout Realty Holding LLC 26 Rutledge Street Brooklyn, N.Y. 11249													
8.	Current Occupant 99 Van Horne Street Jersey City, NJ 07304													
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1.	Wallabout Realty Holding LLC 26 Rutledge Street Brooklyn, N.Y. 11249													
2.	Current Occupant 97 Van Horne Street Jersey City, NJ 07304													
3.	Wallabout Realty Holding LLC 26 Rutledge Street Brooklyn, N.Y. 11249													
4.	Current Occupant 95 Van Horne Street Jersey City, NJ 07304													
5.	Wallabout Realty Holding LLC 26 Rutledge Street Brooklyn, N.Y. 11249													
6.	Current Occupant 93 Van Horne Street Jersey City, NJ 07304													
7.	90 Van Horne Street Or Current Occupant, 90 Van Horne Street Jersey City, NJ 07304													
8.	90 Van Horne Street Or Current Occupant, 90 Van Horne Street Jersey City, NJ 07304													
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1.	ABS Builders, LLC 17 Four Columns Drive Morganville, NJ 07751													
2.	Current Occupant 92 Van Horne Street Jersey City, NJ 07304													
3.	ABS Builders, LLC 17 Four Columns Drive Morganville, NJ 07751													
4.	Current Occupant 94 Van Horne Street Jersey City, NJ 07304													
5.	ABS Builders, LLC 17 Four Columns Drive Morganville, NJ 07751													
6.	Current Occupant Van Horne Street Jersey City, NJ 07304													
7.	ABS Builders, LLC 17 Four Columns Drive Morganville, NJ 07751													
8.	Current Occupant 98 Van Horne Street Jersey City, NJ 07304													
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1.	Miller-Webb, Mary I. 255 Pacific Avenue Jersey City, NJ 07304																
2.	Current Occupant 177 Halladay Street Jersey City, NJ 07304																
3.	Doty, Cecelia M. Or Current Occupant 175 Halladay Street Jersey City, NJ 07304																
4.	318 Whiton JC LLC One University Plaza, #312 Hackensack, NJ 07601																
5.	Current Occupant 173 Halladay Street Jersey City, NJ 07304																
6.	Estrella, Wilbert & Paulino, Digna Or Current Occupant, 171 Halladay Street Jersey City, NJ 07304																
7.	CS Realty Development, L.L.C. 29 School Road Staten Island, NY 10305																
8.	Current Occupant 169 Halladay Street Jersey City, NJ 07304																
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1.	City of Jersey City 280 Grove Street Jersey City, NJ 07302																	
2.	Current Occupant 136 Halladay Street Jersey City, NJ 07304																	
3.	Leonard Parness Trucking Corp. 181 Pacific Avenue Jersey City, NJ 07304																	
4.	Current Occupant 142 Halladay Street Jersey City, NJ 07304																	
5.	City of Jersey City 280 Grove Street Jersey City, NJ 07302																	
6.	Current Occupant 144 Halladay Street Jersey City, NJ 07304																	
7.	Leonard Parness Trucking Corp. Or Current Occupant, 181 Pacific Avenue Jersey City, NJ 07304																	
8.	Leonard Parness Trucking Corp. Or Current Occupant, 181 Pacific Avenue Jersey City, NJ 07304																	
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USPS Tracking/Article Number		Addressee (Name, Street, City, State, & ZIP Code™)		Postage	(Extra Service) Fee	Handling Charge	Actual Value if Registered	Insured Value	Due Sender if COD	ASR Fee	ASRD Fee	RD Fee	RR Fee	SC Fee	SCRD Fee	SH Fee
1.	PPG Industries PO Box 10443 Pittsburgh, PA 15234	Leonard Parness Trucking Corp. 181 Pacific Avenue Jersey City, NJ 07304														
2.		Current Occupant 189 Pacific Avenue Jersey City, NJ 07304														
3.		Jersey City Sewerage Authority 575 State Highway 440 Jersey City, NJ 07305														
4.		Current Occupant 172 Halladay Street Jersey City, NJ 07304														
5.		Halladay Real Estate, LLC 84 Sherman Pl. Jersey City, NJ 07307														
6.		Current Occupant 176 Halladay Street Jersey City, NJ 07304														
7.		Doty, James A. & Cecelia Or Current Occupant, 186 Halladay Street Jersey City, NJ 07304														
8.		350 Randolph, L.L.C. 336 St. Pauls Avenue Jersey City, NJ 07306														
Total Number of Pieces Listed by Sender 8	Total Number of Pieces Received at Post Office 8	Postmaster, Per (Name of receiving employee)														



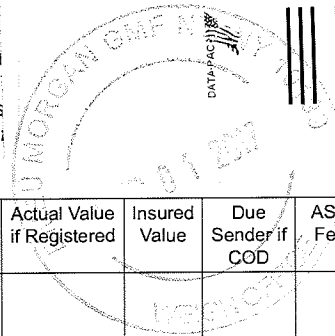
Firm Mailing Book For Accountable Mail

Name and Address of Sender
PPG Industries
PO Box 10443
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Check type of mail or service

☐ Adult Signature Required	☐ Priority Mail Express
☐ Adult Signature Restricted Delivery	☐ Registered Mail
☐ Certified Mail	☐ Return Receipt for Merchandise
☐ Certified Mail Restricted Delivery	☐ Signature Confirmation
☐ Collect on Delivery (COD)	☐ Signature Confirmation Restricted Delivery
☐ Insured Mail	
☐ Priority Mail	

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1.	Current Occupant 188 Halladay Street Jersey City, NJ 07304													
2.	Pacific Real Estate LLC 297 Central Avenue Jersey City, NJ 07307													
3.	Current Occupant 217 Pacific Avenue Jersey City, NJ 07304													
4.	Pacific Real Estate LLC 297 Central Avenue Jersey City, NJ 07307													
5.	Current Occupant 215 Pacific Avenue Jersey City, NJ 07304													
6.	Pacific Real Estate LLC 297 Central Avenue Jersey City, NJ 07307													
7.	Current Occupant 213 Pacific Avenue Jersey City, NJ 07304													
8.	Romero, Francisco & Sara Alston Or Current Occupant, 116 Woodward St. Jersey City, NJ 07304													
Total Number of Pieces Listed by Sender 8	Total Number of Pieces Received at Post Office 8	Postmaster, Per (Name of receiving employee)												

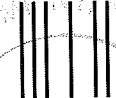


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☐ Collect on Delivery (COD)	☐ Signature Confirmation Restricted Delivery
☐ Insured Mail	
☐ Priority Mail	

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1.	Colon, Jose A. & Maria Or Current Occupant, 118 Woodward Street Jersey City, NJ 07304													
2.	Caceres, Mauricio & Arleen Or Current Occupant, 120 Woodward Street Jersey City, NJ 07304													
3.	Williamson, Levi & Sandra Or Current Occupant, 122 Woodward Street Jersey City, NJ 07304													
4.	Hamlin, Anthony & Johnson, Brianna Or Current Occupant, 124 Woodward St. Jersey City, NJ 07304													
5.	High, Shawnett Or Current Occupant 126 Woodward Street Jersey City, NJ 07304													
6.	Castaneda-Ortega, Clara Or Current Occupant, 128 Woodward Street Jersey City, NJ 07304													
7.	ZIK Holdings LLC 59 Franklin St., STU #6B New York, NY 10013													
8.	Rice, Perry Or Current Occupant 132 Woodward Street Jersey City, NJ 07304													
Total Number of Pieces Listed by Sender 8	Total Number of Pieces Received at Post Office 8	Postmaster, Per (Name of receiving employee)												



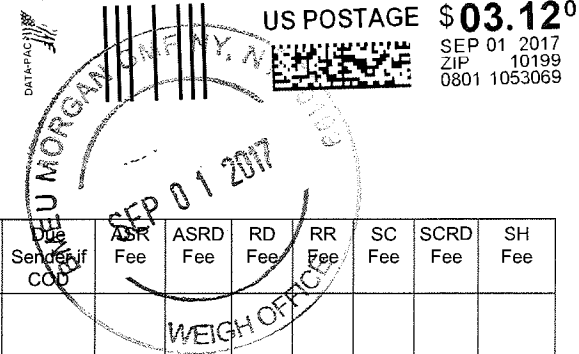
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USPS Tracking/Article Number		Addressee (Name, Street, City, State, & ZIP Code™)		Postage	(Extra Service) Fee	Handling Charge	Actual Value if Registered	Insured Value	Due Sender if COD	ASR Fee	ASRD Fee	RD Fee	RR Fee	SC Fee	SCRD Fee	SH Fee		
PPG Industries PO Box 10443 Pittsburgh, PA 15234		☐ Adult Signature Required ☐ Adult Signature Restricted Delivery ☐ Certified Mail ☐ Certified Mail Restricted Delivery ☐ Collect on Delivery (COD) ☐ Insured Mail ☐ Priority Mail		☐ Priority Mail Express ☐ Registered Mail ☐ Return Receipt for Merchandise ☐ Signature Confirmation ☐ Signature Confirmation Restricted Delivery														
1.		Butler, Ruthie Or Current Occupant 134 Woodward Street Jersey City, NJ 07304																
2.		Zamrano, Aureliano & Amarilis Or Current Occupant, 136 Woodward St. Jersey City, NJ 07304																
3.		Santander, Ivan & Esilda Or Current Occupant, 138 Woodward Street Jersey City, NJ 07304																
4.		Ramirez, Melany Or Current Occupant 140 Woodward Street Jersey City, NJ 07304																
5.		Banner, Geraldine Or Current Occupant, 142 Woodward Street Jersey City, NJ 07304																
6.		Zambrano, Walterio & Doris Or Current Occupant, 144 Woodward Street Jersey City, NJ 07304																
7.		Torres, Henry & H, Hernandez, Suyen Or Current Occupant, 146 Woodward Jersey City, NJ 07304																
8.		Ortiz, Ramona Or Current Occupant 148 Woodward Street Jersey City, NJ 07304																
Total Number of Pieces Listed by Sender 8		Total Number of Pieces Received at Post Office 8		Postmaster, Per (Name of receiving employee)														



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USPS Tracking/Article Number		Addressee (Name, Street, City, State, & ZIP Code™)		Postage	(Extra Service) Fee	Handling Charge	Actual Value if Registered	Insured Value	USPS Sender's Certificate Fee	ASRD Fee	RD Fee	RR Fee	SC Fee	SCRD Fee	SH Fee
PPG Industries PO Box 10443 Pittsburgh, PA 15234		☐ Adult Signature Required ☐ Adult Signature Restricted Delivery ☐ Certified Mail ☐ Certified Mail Restricted Delivery ☐ Collect on Delivery (COD) ☐ Insured Mail ☐ Priority Mail		☐ Priority Mail Express ☐ Registered Mail ☐ Return Receipt for Merchandise ☐ Signature Confirmation ☐ Signature Confirmation Restricted Delivery											
1.		Thornton, James & Marva Or Current Occupant, 150 Woodward Street Jersey City, NJ 07304													
2.		Santos, Joe Jr. Or Current Occupant 152 Woodward Street Jersey City, NJ 07304													
3.		Novalis, Kalen H. Or Current Occupant 154 Woodward Street Jersey City, NJ 07304													
4.		Perez, Ylda Or Current Occupant 156 Woodward Street Jersey City, NJ 07304													
5.		Ellebyary, Sayed & Fawkia Or Current Occupant, 158 Woodward Street Jersey City, NJ 07304													
6.		Gonzalez, Francisco & Francisca Or Current Occupant, 160 Woodward St. Jersey City, NJ 07304													
7.		Taveras, Tamara Hector Or Current Occupant, 162 Woodward Street Jersey City, NJ 07304													
8.		80 Webster JC LLC 256 Webster Avenue Jersey City, NJ 07306													
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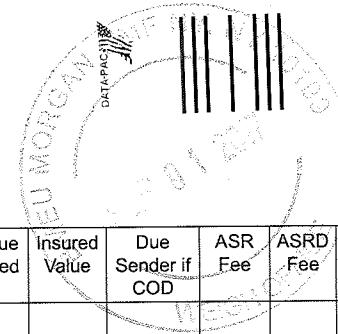


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☐ Collect on Delivery (COD)	☐ Signature Confirmation Restricted Delivery
☐ Insured Mail	
☐ Priority Mail	

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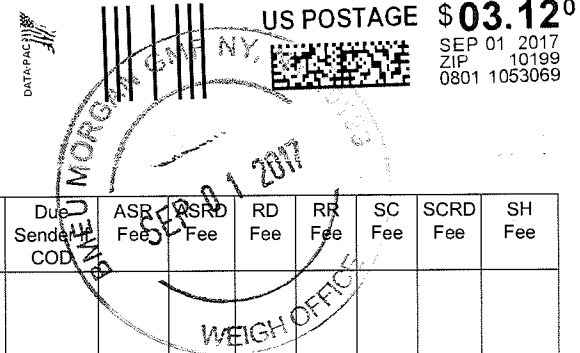
USPS Tracking/Article Number	Addressee (Name, Street, City, State, & ZIP Code™)	Postage	(Extra Service) Fee	Handling Charge	Actual Value if Registered	Insured Value	Due Sender if COD	ASR Fee	ASRD Fee	RD Fee	RR Fee	SC Fee	SCRD Fee	SH Fee
1.	Current Occupant 175 Van Horne Street Jersey City, NJ 07304													
2.	Escandon, Antonio & Velez, Jamie Or Current Occupant, 173 Van Horne St. Jersey City, NJ 07304													
3.	Mantilla Aurea Or Current Occupant 171 Van Horne Street Jersey City, NJ 07304													
4.	Singletary, Billy & Ida Mae Or Current Occupant, 169 Van Horne Street Jersey City, NJ 07304													
5.	Yancey, Elizabeth Or Current Occupant 167 Van Horne Street Jersey City, NJ 07304													
6.	Bowen, Alfred & Evena 163 Van Horne Street Jersey City, NJ 07304													
7.	Current Occupant 165 Van Horne Street Jersey City, NJ 07304													
8.	Bowen, Alfred & Jacqueline Or Current Occupant, 163 Van Horne Street Jersey City, NJ 07304													
Total Number of Pieces Listed by Sender 8	Total Number of Pieces Received at Post Office 8	Postmaster, Per (Name of receiving employee)												



Name and Address of Sender PPG Industries PO Box 10443 Pittsburgh, PA 15234		Check type of mail or service ☐ Adult Signature Required ☐ Priority Mail Express ☐ Adult Signature Restricted Delivery ☐ Registered Mail ☐ Certified Mail ☐ Return Receipt for Merchandise ☐ Certified Mail Restricted Delivery ☐ Signature Confirmation ☐ Collect on Delivery (COD) ☐ Signature Confirmation Restricted Delivery ☐ Insured Mail ☐ Priority Mail		Affix Stamp Here (if issued as an internal certificate of mailing or additional copies of this Postmark with Date of)		 US POSTAGE \$03.12 ⁰ SEP 01 2017 ZIP 10199 0801 1053069									
USPS Tracking/Article Number	Addressee (Name, Street, City, State, & ZIP Code™)	Postage	(Extra Service) Fee	Handling Charge	Actual Value if Registered	Insured Value	Due Sender if COD	ASR Fee	ASRD Fee	RD Fee	RR Fee	SC Fee	SCRD Fee	SH Fee	
1.	Navarro, Heriberto & Carmen Or Current Occupant, 161 Van Horne St. Jersey City, NJ 07304														
2.	Smith, Peter John Or Current Occupant 159 Van Horne Street Jersey City, NJ 07304														
3.	Johnson, Jason & Stephanie Or Current Occupant, 157 Van Horne St. Jersey City, NJ 07304														
4.	Lim, Wei, Jen 418 West 46th Street, #1B New York, NY 10036														
5.	Current Occupant 155 Van Horne Street Jersey City, NJ 07304														
6.	Hendricks, Shirley G. Or Current Occupant, 153 Van Horne Street Jersey City, NJ 07304														
7.	Stephen, Sandiraseagaram S. 209 Highpoint Court Lake Hopatcong, NJ 07849														
8.	Current Occupant 151 Van Horne Street Jersey City, NJ 07304														
Total Number of Pieces Listed by Sender 8	Total Number of Pieces Received at Post Office 	Postmaster, Per (Name of receiving employee)													



Name and Address of Sender PPG Industries PO Box 10443 Pittsburgh, PA 15234		Check type of mail or service ☐ Adult Signature Required ☐ Priority Mail Express ☐ Adult Signature Restricted Delivery ☐ Registered Mail ☐ Certified Mail ☐ Return Receipt for Merchandise ☐ Certified Mail Restricted Delivery ☐ Signature Confirmation ☐ Collect on Delivery (COD) ☐ Signature Confirmation Restricted Delivery ☐ Insured Mail ☐ Priority Mail		Affix Stamp Here (if issued as an international certificate of mailing or for additional copies of this form) Postmark with Date of Issue										
USPS Tracking/Article Number	Addressee (Name, Street, City, State, & ZIP Code™)	Postage	(Extra Service) Fee	Handling Charge	Actual Value if Registered	Insured Value	Due Sender COD	ASR Fee	ASRD Fee	RD Fee	RR Fee	SC Fee	SCRD Fee	SH Fee
1.	Klosek, John & Janice 23 Miller Drive Boonton Twnshp, NJ 07005													
2.	Current Occupant 149 Van Horne Street Jersey City, NJ 07304													
3.	Torres, Gregorio & Colon, Carmen Or Current Occupant, 147 Van Horne St. Jersey City, NJ 07304													
4.	Almonte, Roman & Beatriz 145 Van Horne Street Jersey City, NJ 07304													
5.	Current Occupant Van Horne Street Jersey City, NJ 07304													
6.	Kulozu, Bekir 23 Wayne Street Jersey City, NJ 07302													
7.	Current Occupant 145 Van Horne Street Jersey City, NJ 07304													
8.	MK Property Holding LLC 110 Chestnut Ridge Road #161 Montvale, NJ 07645													
Total Number of Pieces Listed by Sender 8	Total Number of Pieces Received at Post Office 8	Postmaster, Per (Name of receiving employee)												





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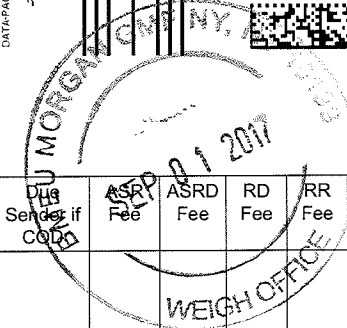
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☐ Adult Signature Restricted Delivery	☐ Registered Mail
☐ Certified Mail	☐ Return Receipt for Merchandise
☐ Certified Mail Restricted Delivery	☐ Signature Confirmation
☐ Collect on Delivery (COD)	☐ Signature Confirmation Restricted Delivery
☐ Insured Mail	
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USPS Tracking/Article Number	Addressee (Name, Street, City, State, & ZIP Code™)	Postage	(Extra Service) Fee	Handling Charge	Actual Value if Registered	Insured Value	Duties and Taxes if Collected	ASRT Fee	ASRD Fee	RD Fee	RR Fee	SC Fee	SCRD Fee	SH Fee
1.	Current Occupant 143 Van Horne Street Jersey City, NJ 07304													
2.	Souly, Jesse El 333 Grove Street Jersey City, NJ 07304													
3.	Current Occupant 141 Van Horne Street Jersey City, NJ 07304													
4.	De La Cruz, Domingo Or Current Occupant, 139 Van Horne Street Jersey City, NJ 07304													
5.	137 Van Horne LLC 173 Wallabout Street Brooklyn, N.Y. 11206													
6.	Current Occupant 137 Van Horne Street Jersey City, NJ 07304													
7.	Davis, Kevin B. 15 Lembeck Avenue Jersey City, NJ 07305													
8.	Current Occupant 135 Van Horne Street Jersey City, NJ 07304													
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USPS Tracking/Article Number		Addressee (Name, Street, City, State, & ZIP Code™)		Postage	(Extra Service) Fee	Handling Charge	Actual Value if Registered	Insured Value	Dual Sender COD	ASR Fee	ASRD Fee	RD Fee	RR Fee	SC Fee	SCRD Fee	SH Fee
1.		Rosario, Maria Or Current Occupant 133 Van Horne Street Jersey City, NJ 07304														
2.		Fred W. Prichard, Trustee 9977 Treasure Cay Lane Bonita Springs, FL 34135														
3.		Chu, Margaret 257 Clinton Street, #18 New York, NY 10002														
4.		Current Occupant 129 Van Horne Street Jersey City, NJ 07304														
5.		Summit Ave. Homes Condo. Assoc. Or Current Occupant, 372 Bramhall Ave. Jersey City, NJ 07304														
6.		Maffei, Joel 372 Bramhall Avenue, #1A Jersey City, NJ 07304														
7.		Current Occupant 372 Bramhall Avenue Jersey City, NJ 07304														
8.		Chester, Omenel V. 372 Bramhall Avenue, #1B Jersey City, NJ 07304														
Total Number of Pieces Listed by Sender 8		Total Number of Pieces Received at Post Office 8		Postmaster, Per (Name of receiving employee)												



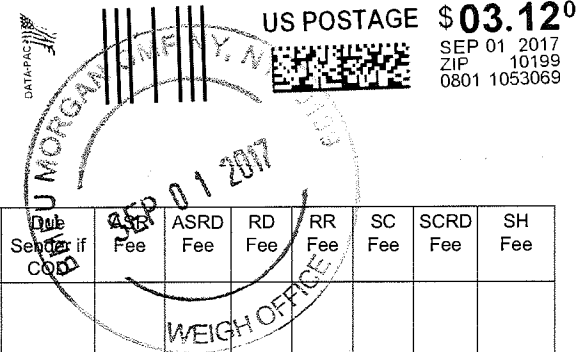
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1.	Current Occupant 372 Bramhall Avenue Jersey City, NJ 07304													
2.	Housing Authority City of J.C. 400 U.S. Highway, #1 Jersey City, NJ 07306													
3.	Current Occupant 208-224 Pacific Avenue Jersey City, NJ 07304													
4.	Housing Authority City of J.C. 400 W.S. Highway, #1 Jersey City, NJ 07306													
5.	Current Occupant 208-224 Pacific Avenue Jersey City, NJ 07304													
6.	Jersey City Sewerage Authority 575 State Highway 440 Jersey City, NJ 07305													
7.	Current Occupant 280 Arlington Avenue Jersey City, NJ													
8.	Pronti Construction Inc. 192 C. Columbus Drive Jersey City, NJ 07302													
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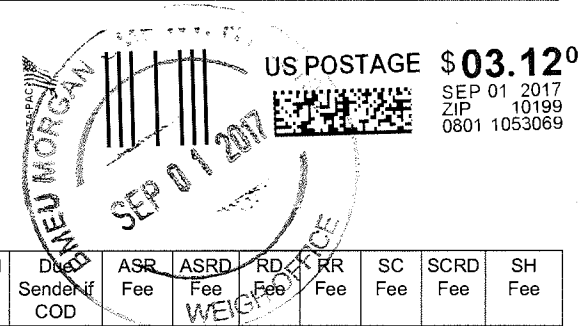
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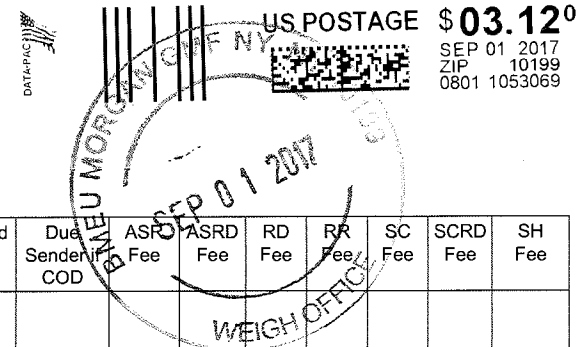


USPS Tracking/Article Number	Addressee (Name, Street, City, State, & ZIP Code™)	Postage	(Extra Service) Fee	Handling Charge	Actual Value if Registered	Insured Value	Declared Value if COD	ASR Fee	ASRD Fee	RD Fee	RR Fee	SC Fee	SCRD Fee	SH Fee
1.	Current Occupant 203-5 Randolph Avenue Jersey City, NJ 07304													
2.	Pronti Construction Inc. 192 Columbus Drive Jersey City, NJ 07302													
3.	Current Occupant 201 Randolph Avenue Jersey City, NJ 07304													
4.	Gregory, Frank & Evelyn Or Current Occupant, 199 Randolph Avenue Jersey City, NJ 07305													
5.	Kukulka, Iwona Or Current Occupant 197 Randolph Avenue Jersey City, NJ 07305													
6.	Osorio, Luis & Aracelia Or Current Occupant, 195 Randolph Avenue Jersey City, NJ 07305													
7.	Hartling, Jeffrey & Madeline O. Or Current Occupant, 193 Randolph Ave. Jersey City, NJ 07305													
8.	Willis, Joyce L. & Severn Or Current Occupant, 191 Randolph Avenue Jersey City, NJ 07305													
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PPG Industries PO Box 10443 Pittsburgh, PA 15234		☐ Adult Signature Required ☐ Adult Signature Restricted Delivery ☐ Certified Mail ☐ Certified Mail Restricted Delivery ☐ Collect on Delivery (COD) ☐ Insured Mail ☐ Priority Mail	☐ Priority Mail Express ☐ Registered Mail ☐ Return Receipt for Merchandise ☐ Signature Confirmation ☐ Signature Confirmation Restricted Delivery													
1.		Orellana, Norma Hernandez Or Current Occupant, 189 Randolph Avenue Jersey City, NJ 07305														
2.		Maruice, Jean F. & Weisenberg, Anja 27 Overlook Avenue West Orange, NJ 07052														
3.		Current Occupant 187 Randolph Avenue Jersey City, NJ 07304														
4.		Mid City II %GSECDC 118 Summit Avenue Jersey City, NJ 07304														
5.		Current Occupant 185 Randolph Avenue Jersey City, NJ 07304														
6.		Jacobo, Ramon Or Current Occupant 183 Randolph Avenue Jersey City, NJ 07305														
7.		Mid City II %GSECDC 118 Summit Avenue Jersey City, NJ 07304														
8.		Current Occupant 181 Randolph Avenue Jersey City, NJ 07304														
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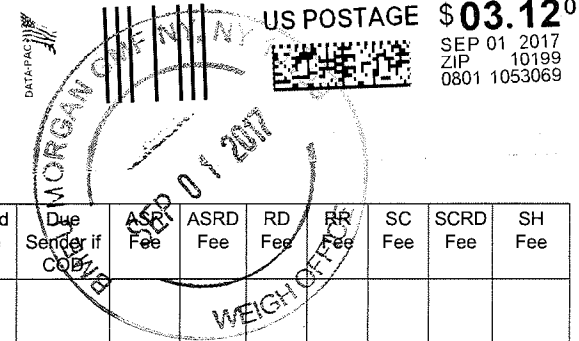
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1.	Ervin, Doris G. P. O. Box 15576 Jersey City, NJ 07305													
2.	Current Occupant 179 Randolph Avenue Jersey City, NJ 07304													
3.	Lopez, Emilio & Gema Or Current Occupant, 177 Randolph Avenue Jersey City, NJ 07305													
4.	Shah, Chintan Or Current Occupant 175 Randolph Avenue Jersey City, NJ 07305													
5.	Whitehead, Robert L. Or Current Occupant, 173 Randolph Avenue Jersey City, NJ 07305													
6.	Ortiz, McDonald Or Current Occupant 171 Randolph Avenue Jersey City, NJ 07305													
7.	White, Darryl & Yvonne Or Current Occupant, 169 Randolph Avenue Jersey City, NJ 07305													
8.	Ricadela, Robert V. & Cruz, Kristin Or Current Occupant, 167 Randolph Ave. Jersey City, NJ 07305													
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1.	Malone, Barbara Or Current Occupant 165 Randolph Avenue Jersey City, NJ 07305													
2.	Robinson, Freddie & Gwedolyn Or Current Occupant, 163 Randolph Ave. Jersey City, NJ 07305													
3.	Gibson, Sean 123 Gifford Avenue Jersey City, NJ 07304													
4.	Current Occupant 161 Randolph Avenue Jersey City, NJ 07304													
5.	Faulkner, Genevieve M. & Pat Henry Or Current Occupant, 159 Randolph Ave. Jersey City, NJ 07305													
6.	Baptist, Sherlock & Edna M. Or Current Occupant, 157 Randolph Avenue Jersey City, NJ 07305													
7.	Malone, Sally A. Or Current Occupant 155 Randolph Avenue Jersey City, NJ 07305													
8.	St. Louis, Dionicia Or Current Occupant 153 Randolph Avenue Jersey City, NJ 07304													
Total Number of Pieces Listed by Sender 8	Total Number of Pieces Received at Post Office 8	Postmaster, Per (Name of receiving employee)												



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PPG Industries PO Box 10443 Pittsburgh, PA 15234		☐ Adult Signature Required ☐ Adult Signature Restricted Delivery ☐ Certified Mail ☐ Certified Mail Restricted Delivery ☐ Collect on Delivery (COD) ☐ Insured Mail ☐ Priority Mail		☐ Priority Mail Express ☐ Registered Mail ☐ Return Receipt for Merchandise ☐ Signature Confirmation ☐ Signature Confirmation Restricted Delivery										
USPS Tracking/Article Number	Addressee (Name, Street, City, State, & ZIP Code™)	Postage	(Extra Service) Fee	Handling Charge	Actual Value if Registered	Insured Value	Due to Sender if COD	ASR Fee	ASRD Fee	RD Fee	RR Fee	SC Fee	SCRD Fee	SH Fee
1.	Robinson, Philmore 19 Pearsall Avenue #2 Jersey City, NJ 07305													
2.	Current Occupant 151 Randolph Avenue Jersey City, NJ 07304													
3.	Stephens, French Or Current Occupant 149 Randolph Avenue Jersey City, NJ 07305													
4.	Akil, Muhammed Or Current Occupant 130 Carteret Avenue Jersey City, NJ 07305													
5.	Jersey City Sewerage Authority 555 Route 440 Jersey City, NJ 07305													
6.	Current Occupant 207 Randolph Avenue Jersey City, NJ 07304													
7.	New Jersey Transit One Penn Plaza East Newark, NJ 07105													
8.	Current Occupant 923 Garfield Avenue Jersey City, NJ 07304													
Total Number of Pieces Listed by Sender 8	Total Number of Pieces Received at Post Office 8	Postmaster, Per (Name of receiving employee)												



Name and Address of Sender
PPG Industries
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1.	Frenchpark Warehouse Co. P. O. Box 280 Kenilworth, NJ 07033													
2.	Current Occupant 855 Garfield Avenue Jersey City, NJ 07304													
3.	Frenchpark Warehouse Co. P. O. Box 280 Kenilworth, NJ 07033													
4.	Current Occupant 861 Garfield Avenue Jersey City, NJ 07304													
5.	Frenchpark Warehouse Co. P. O. Box 280 Kenilworth, NJ 07033													
6.	Current Occupant 859 Garfield Avenue Jersey City, NJ 07304													
7.	851 Garfield Avenue, LLC 54 Edgewater Road Cliffside, NJ 07010													
8.	Current Occupant 851 Garfield Avenue Jersey City, NJ 07304													
Total Number of Pieces Listed by Sender 8	Total Number of Pieces Received at Post Office 8	Postmaster, Per (Name of receiving employee)												

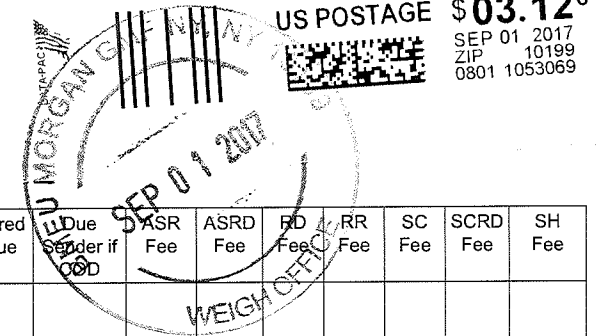


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1.	U.S. Bank National Assoc., As Trustee 7105 Corporate Drive Plano, TX 75024													
2.	Current Occupant 118 Carteret Avenue Jersey City, NJ													
3.	Torah, Yeshiva Tiferes 5 Birchard Avenue Staten Island, NY 10314													
4.	Current Occupant 122 Carteret Avenue Jersey City, NJ													
5.	Reid, Dwayne 9 Pulaski Avenue Carteret, NJ 07008													
6.	Current Occupant 124 Carteret Avenue Jersey City, NJ													
7.	Marion, E. & R. Jr. Or Current Occupant 142 Randolph Avenue Jersey City, NJ 07305													
8.	Perkins, Glenda Or Current Occupant 144 Randolph Avenue Jersey City, NJ 07305													
Total Number of Pieces Listed by Sender 8	Total Number of Pieces Received at Post Office 8	Postmaster, Per (Name of receiving employee) 4												

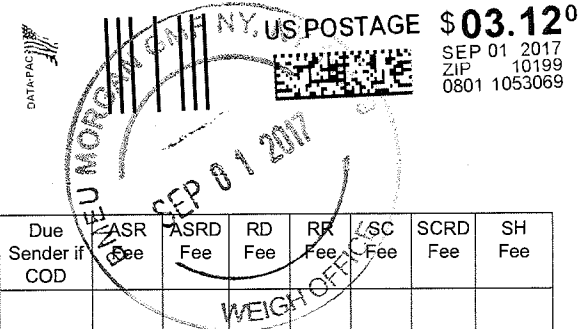


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1.	JC Capital Fund Moch 3 LLC Or Current Occupant, 146 Randolph Ave. Jersey City, NJ 07305													
2.	L & A Asset Holdings LLC 252 Pacific Avenue Jersey City, NJ 07304													
3.	Current Occupant 148A Randolph Avenue Jersey City, NJ													
4.	Bruce Construction Corp. 117-05 89th Avenue Richmond Hills, NY 11418													
5.	Current Occupant 150 Randolph Avenue Jersey City, NJ 07304													
6.	Gulin, Ivan N. Or Current Occupant 152 Randolph Avenue Jersey City, NJ 07305													
7.	Williams, Annie Or Current Occupant 154 Randolph Avenue Jersey City, NJ 07305													
8.	Thursday, Martha Or Current Occupant 156 Randolph Avenue Jersey City, NJ 07305													
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USPS Tracking/Article Number	Addressee (Name, Street, City, State, & ZIP Code™)	Postage	(Extra Service) Fee	Handling Charge	Actual Value if Registered	Insured Value	Due Sender if COD	ASR Fee	ASRD Fee	RD Fee	RR Fee	SC Fee	SCRD Fee	SH Fee
1.	Crayton, Frederick D. PO Box 4381 Hartford, CT 06147													
2.	Current Occupant 158 Randolph Avenue Jersey City, NJ 07304													
3.	Harmon, Emma N. Or Current Occupant, 160 Randolph Avenue Jersey City, NJ 07305													
4.	Harmon, Willie B. & Emma N. Or Current Occupant, 160 Randolph Ave. Jersey City, NJ 07305													
5.	Toral Rafael & Rogelio PO Box 8189 Jersey City, NJ 07308													
6.	Current Occupant 166 Randolph Avenue Jersey City, NJ 07304													
7.	Tudela, Luis V. & Kathiuska Or Current Occupant, 168 Randolph Avenue Jersey City, NJ 07302													
8.	Haddad 170 Randolph Avenue, LLC. 1130 McBride Avenue Woodland Park, NJ 07424													
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1.	Current Occupant 170 Randolph Avenue Jersey City, NJ 07305													
2.	Shaw, Delores Or Current Occupant 172 Randolph Avenue Jersey City, NJ 07305													
3.	Game Holdings, LLC P. O. Box 38 Pomona, N.Y. 10970													
4.	Current Occupant 176 Randolph Avenue Jersey City, NJ 07305													
5.	GND Builders, LLC 17 Four Columns Drive Morganville, NJ 07751													
6.	Current Occupant 180 Randolph Avenue Jersey City, NJ 07304													
7.	182 Randolph Ave. Condo. Assoc. Or Current Occupant, 182 Randolph Ave. Jersey City, NJ 07305													
8.	Harley, Linet Or Current Occupant 182 Randolph Avenue Jersey City, NJ 07305													
Total Number of Pieces Listed by Sender 8	Total Number of Pieces Received at Post Office 8	Postmaster, Per (Name of receiving employee)												



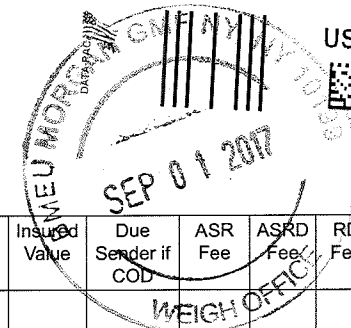
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1.	Gruel, Yvette 182 Randolph Avenue, Unit 1 Jersey City, NJ 07305													
2.	Current Occupant 182 Randolph Avenue Jersey City, NJ 07304													
3.	Thompson, Robert & Adolphus, Lena Or Current Occupant, 184 Randolph Ave. Jersey City, NJ 07305													
4.	Okoeguuale, Ero-Mosele Or Current Occupant, 186 Randolph Avenue Jersey City, NJ 07304													
5.	Mazur, Anatoliy & Maria 8 Rale Place Palm Coast, FL 32164													
6.	Current Occupant 188 Randolph Avenue Jersey City, NJ 07304													
7.	Gulin, Iryna & Volodymyr Or Current Occupant, 190 Randolph Avenue Jersey City, NJ 07304													
8.	Orach, Rostyslav 711 Amsterdam Avenue #21L New York, NY 10025													
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PPG Industries PO Box 10443 Pittsburgh, PA 15234		☐ Adult Signature Required ☐ Adult Signature Restricted Delivery ☐ Certified Mail ☐ Certified Mail Restricted Delivery ☐ Collect on Delivery (COD) ☐ Insured Mail ☐ Priority Mail		☐ Priority Mail Express ☐ Registered Mail ☐ Return Receipt for Merchandise ☐ Signature Confirmation ☐ Signature Confirmation Restricted Delivery														
1.		Current Occupant 192 Randolph Avenue Jersey City, NJ 07305																
2.		Mazur, Taras Or Current Occupant 194 Randolph Avenue Jersey City, NJ 07304																
3.		196 Randolph LLC 199 Van Horne Street Jersey City, NJ 07304																
4.		Current Occupant 196 Randolph Avenue Jersey City, NJ 07304																
5.		Majewski, Daniel & Amanda Or Current Occupant, 196 Randolph Avenue Jersey City, NJ 07305																
6.		Malich, O. Chaykivskyy, M. & S. Or Current Occupant, 198 Randolph Ave. Jersey City, NJ 07305																
7.		Jersey City Sewerage Authority 575 State Highway 440 Jersey City, NJ 07305																
8.		Current Occupant 163 Halladay Street Jersey City, NJ 07304																
Total Number of Pieces Listed by Sender 8		Total Number of Pieces Received at Post Office 8		Postmaster, Per (Name of receiving employee)														



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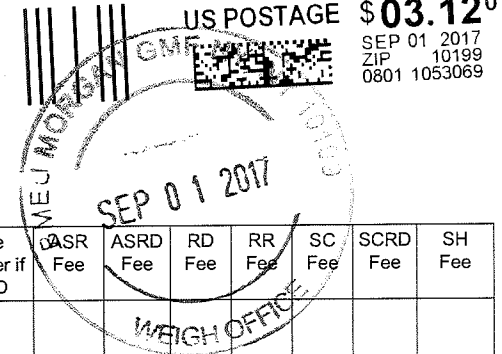
Name and Address of Sender
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1.	E27 Street LLC 181 Pacific Avenue Jersey City, NJ 07304													
2.	Current Occupant 151 Halladay Street Jersey City, NJ 07304													
3.	Glushko, Walter Or Current Occupant 149 Halladay Street Jersey City, NJ 07304													
4.	Michael Broder Pension Plan 39 Cider Hill Upper Saddle River, NJ 07458													
5.	Current Occupant 147 Halladay Street Jersey City, NJ 07304													
6.	Garcia, Margarita Or Current Occupant 145 Halladay Street Jersey City, NJ 07304													
7.	Bonilla, Julissa Or Current Occupant 143 Halladay Street Jersey City, NJ 07304													
8.	Kulozu, Bekir Or Current Occupant 141 Halladay Street Jersey City, NJ 07304													
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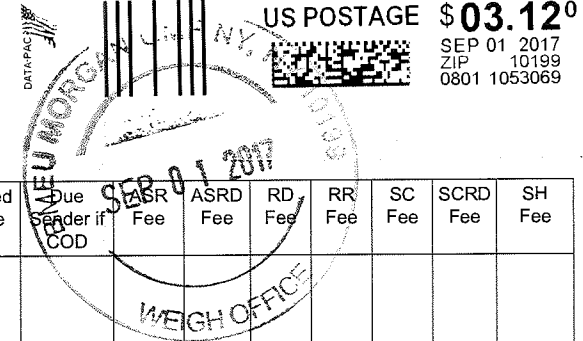
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1.	78 Forrest Street Assoc. 28 Bromleigh Road Stuart Manor, NY 11530													
2.	Current Occupant 78 Forrest Street Jersey City, NJ 07304													
3.	90 Forrest Associates, L.L.C. 28 Bromleigh Road Stewart Manor, NY 11530													
4.	Current Occupant 84 Forrest Street Jersey City, NJ 07304													
5.	90 Forrest Associates, L.L.C. 28 Bromleigh Road Stewart Manor, NY 11530													
6.	Current Occupant 86 Forrest Street Jersey City, NJ 07304													
7.	151 Halladay Street, LLC 181 Pacific Street Jersey City, NJ 07304													
8.	Current Occupant Inside Halladay Street Jersey City, NJ 07304													
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1.	100 Forrest Associates, L.L.C. 28 Bromleigh Road Stewart Manor, NY 11530													
2.	Current Occupant 98 Forrest Street Jersey City, NJ 07304													
3.	100 Forrest Associates, LLC 2473 NW 66th Drive Boca Raton, FL 33496													
4.	Current Occupant Forrest, Newark, Newark, N.Y. RR Jersey City, NJ 07304													
5.	Jersey City Redevelopment Agency 30 Montgomery Street Jersey City, NJ 07302													
6.	Current Occupant 2 Dakota Street Jersey City, NJ													
7.	Jersey City Redevelopment Agency 30 Montgomery Street Jersey City, NJ 07302													
8.	Current Occupant 70 Carteret Avenue Jersey City, NJ 07305													
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PPG Industries
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1.	Jersey City Redevelopment Agency 30 Montgomery Street Jersey City, NJ 07302													
2.	Current Occupant 880 Garfield Avenue Jersey City, NJ 07304													
3.	Jersey City Redevelopment Agency 30 Montgomery Street Jersey City, NJ 07302													
4.	Current Occupant 884 Garfield Avenue Jersey City, NJ 07304													
5.	900 Garfield Avenue, % Ryann LLC 1735 Market Street #A-400 Philadelphia, PA 19103													
6.	Current Occupant 900 Garfield Avenue Jersey City, NJ 07304													
7.	Cavallone, James 1208 Boulevard Seaside Park, NJ 08752													
8.	Current Occupant 77 Forrest Street Jersey City, NJ 07304													
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1.	Quartz Realty, L.L.C. 20 Birch Street Jersey City, NJ 07305													
2.	Current Occupant 163 Pacific Avenue Jersey City, NJ 07304													
3.	Pacific Kater LLC 210 Fairmount Avenue Jersey City, NJ 07306													
4.	Current Occupant 161 Pacific Avenue Jersey City, NJ 07304													
5.	Pacific Kater LLC 210 Fairmount Avenue Jersey City, NJ 07306													
6.	Current Occupant 159 Pacific Avenue Jersey City, NJ 07304													
7.	Pacific Kater LLC 210 Fairmount Avenue Jersey City, NJ 07306													
8.	Current Occupant 157 Pacific Avenue Jersey City, NJ 07304													
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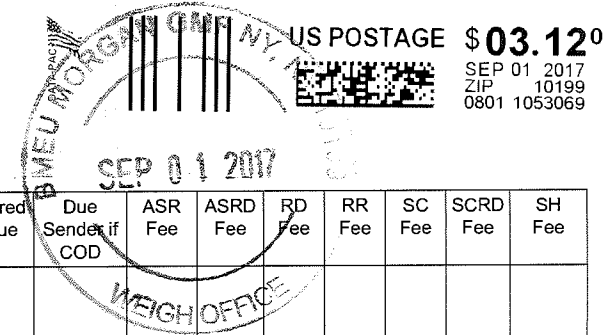


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1.	Metrick, Stuart & Michelle Or Current Occupant, 149 Pacific Avenue Jersey City, NJ 07304													
2.	Ross, Isaac Or Current Occupant 145 Pacific Avenue Jersey City, NJ 07304													
3.	Nine Lawton Street, Inc. 271 Roslyn Court West New York, NJ 07093													
4.	Current Occupant 133 Pacific Avenue Jersey City, NJ 07304													
5.	107-123 & 127 Pacific Ave. Assoc., LLC 130 North Main St. #St 201 New York, NY 10956													
6.	Current Occupant 131 Pacific Avenue Jersey City, NJ 07304													
7.	107-123 & 127 Pacific Ave. Assoc., LLC 130 North Main St. #St 201 New York, NY 10956													
8.	Current Occupant 107 Pacific Avenue Jersey City, NJ 07304													
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1.	One 0 One Pacific Ave., LLC 415 Newark St #6B Hoboken, NJ 07030															
2.	Current Occupant 105-101 Pacific Avenue Jersey City, NJ 07304															
3.	Seventy-Eight Halladay Street, LLC Or Current Occupant, 78 Halladay Street Jersey City, NJ 07304															
4.	Seventy-Eight Halladay Street, LLC 78 Halladay Street Jersey City, NJ 07304															
5.	Current Occupant 94 Halladay Street Jersey City, NJ 07304															
6.	PPG Industries, Inc. One PPG Place Pittsburgh, PA 15272															
7.	Current Occupant 98 Halladay Street Jersey City, NJ 07304															
8.	PPG Industries, Inc. One PPG Place Pittsburgh, PA 15272															
Total Number of Pieces Listed by Sender 8	Total Number of Pieces Received at Post Office 8	Postmaster, Per (Name of receiving employee)														



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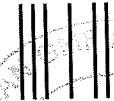
Name and Address of Sender
PPG Industries
PO Box 10443
Pittsburgh, PA 15234

Check type of mail or service

☐ Adult Signature Required	☐ Priority Mail Express
☐ Adult Signature Restricted Delivery	☐ Registered Mail
☐ Certified Mail	☐ Return Receipt for Merchandise
☐ Certified Mail Restricted Delivery	☐ Signature Confirmation
☐ Collect on Delivery (COD)	☐ Signature Confirmation Restricted Delivery
☐ Insured Mail	
☐ Priority Mail	

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USPS Tracking/Article Number	Addressee (Name, Street, City, State, & ZIP Code™)	Postage	(Extra Service) Fee	Handling Charge	Actual Value if Registered	Insured Value	Due Sender if COD	ASR Fee	ASRD Fee	RD Fee	RR Fee	SC Fee	SCRD Fee	SH Fee
1.	Current Occupant 100 Halladay Street Jersey City, NJ 07304													
2.	PPG Industries, Inc. One PPG Place Pittsburgh, PA 15272													
3.	Current Occupant 102 Halladay Street Jersey City, NJ 07304													
4.	PPG Industries, Inc. One PPG Place Pittsburgh, PA 15272													
5.	Current Occupant 104 Halladay Street Jersey City, NJ 07304													
6.	Halladay Invest. Inc. 416 Liberty Avenue Jersey City, NJ 07307													
7.	Current Occupant 106-116 Halladay Street Jersey City, NJ 07304													
8.	Halladay Invest. Inc. 416 Liberty Avenue Jersey City, NJ 07307													
Total Number of Pieces Listed by Sender 8	Total Number of Pieces Received at Post Office 	Postmaster, Per (Name of receiving employee)												



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PPG Industries
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USPS Tracking/Article Number	Addressee (Name, Street, City, State, & ZIP Code™)	Postage	(Extra Service) Fee	Handling Charge	Actual Value if Registered	Insured Value	Due Sender, if COD	ASR Fee	ASRD Fee	RD Fee	RR Fee	SC Fee	SCRD Fee	SH Fee
1.	Current Occupant 118-126 Halladay Street Jersey City, NJ 07304													
2.	New Jersey Transit One Penn Plaza East Newark, NJ 07105													
3.	Current Occupant Communipaw to Pacific Avenue Jersey City, NJ 07304													
4.	Caven Point Partners LLC 418 West Side Avenue Jersey City, NJ 07305													
5.	Current Occupant 34 Caven Point Avenue Jersey City, NJ 07305													
6.	Antonucci, Alan P. O. Box 6466 Jersey City, NJ 07306													
7.	Current Occupant 2-22 Pacific Avenue Jersey City, NJ 07304													
8.	Antonucci, Alan & Christopher P. O. Box 6466 Ave. Jersey City, NJ 07306													
Total Number of Pieces Listed by Sender 8	Total Number of Pieces Received at Post Office 8	Postmaster, Per (Name of receiving employee)												



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USPS Tracking/Article Number	Addressee (Name, Street, City, State, & ZIP Code™)	Postage	(Extra Service) Fee	Handling Charge	Actual Value if Registered	Insured Value	Due Sender if COD	ASR Fee	ASRD Fee	RD Fee	RR Fee	SC Fee	SCRD Fee	SH Fee
1.	Current Occupant 24-46 Pacific Avenue Jersey City, NJ 07304													
2.	Spectrum Health Care Inc. Att: Simon Or Current Occupant, 74-80 Pacific Ave. Jersey City, NJ 07304													
3.	Eden Wood Realty, LLC 47 Parsipanny Road Whippany, N.J. 07981													
4.	Current Occupant 33-47 Carteret Avenue Jersey City, NJ 07305													
5.	Eden Wood Realty, LLC 47 Parsipanny Road Whippany, N.J. 07981													
6.	Current Occupant Central R R Ins Jersey City, NJ													
7.	Eden Wood Realty, LLC 47 Parsipanny Road Whippany, N.J. 07981													
8.	Current Occupant 150 Pacific Avenue Jersey City, NJ 07304													
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1.	Eden Wood Realty, LLC 47 Parsipanny Road Whippany, N.J. 07981													
2.	Current Occupant 150 Pacific Avenue Jersey City, NJ 07304													
3.	200 Pacific 18, L.L.C. %Fortune FNCL PO Box 5397 New York, NY 10185													
4.	Current Occupant 184-200 Pacific Avenue Jersey City, NJ 07304													
5.	PPG Industries, Inc. One PPG Place Pittsburgh, PA 15272													
6.	Current Occupant 22 Halladay Street Jersey City, NJ 07304													
7.	Narula Real Estate Assoc., LLC 389 Old Court House Road Manhasset, NY 11040													
8.	Current Occupant 51-99 Pacific Avenue Jersey City, NJ 07304													
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USPS Tracking/Article Number	Addressee (Name, Street, City, State, & ZIP Code™)	Postage	(Extra Service) Fee	Handling Charge	Actual Value if Registered	Insured Value	Due Sender if COD	ASR Fee	ASRD Fee	RD Fee	RR Fee	SC Fee	SCRD Fee	SH Fee
1.	Njeda, C/O A. Smith Moving & Furn Or Current Occupant, 33 Pacific Avenue Jersey City, NJ 07304													
2.	PPG Industries, Inc. %Tax Admin. Dept. One PPG Place Pittsburgh, PA 15272													
3.	Current Occupant 846 Garfield Avenue Jersey City, NJ 07304													
4.	Jersey City Redevelopment Agency 30 Montgomery Street Jersey City, NJ 07302													
5.	Current Occupant 824 Garfield Avenue Jersey City, NJ 07304													
6.	PPG Industries, Inc. %Tax Admin. Dept. One PPG Place Pittsburgh, PA 15272													
7.	Current Occupant 45 Halladay Street Jersey City, NJ 07304													
8.	PPG Industries, Inc. %Tax Admin. Dept. One PPG Place Pittsburgh, PA 15272													
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1.		Current Occupant 25 Halladay Street Jersey City, NJ 07304															
2.		PPG Industries, Inc. %Tax Admin. Dept. One PPG Place Pittsburgh, PA 15272															
3.		Current Occupant 15 Halladay Street Jersey City, NJ 07304															
4.		Michael, John 344 Princeton Avenue Jersey City, NJ 07305															
5.		Current Occupant 784 Garfield Avenue Jersey City, NJ 07304															
6.		Pace, Clement 1120 Heckel Avenue Mountainside, NJ 07092															
7.		Current Occupant 802 Garfield Avenue Jersey City, NJ 07304															
8.		PPG Industries, Inc. %Tax Admin. Dept. One PPG Place Pittsburgh, PA 15272															
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1.	Current Occupant 816 Garfield Avenue Jersey City, NJ 07304													
2.	Mid-Newark L.P. C/O Ten West Apparel 10 W. 33rd St.-Ste. 216 New York City, NY 10001													
3.	Current Occupant 800 Garfield Avenue Jersey City, NJ 07304													
4.	Dariel Building, LLC Or Current Occupant, 133 Carteret Avenue Jersey City, NJ 07305													
5.	Essendon, LLC %Dixon Advisory PO Box 2032 Jersey City, NJ 07303													
6.	Current Occupant 140 Randolph Avenue Jersey City, NJ 07304													
7.	Russell, Willie & Ella Or Current Occupant, 123 Carteret Avenue Jersey City, NJ 07305													
8.	121 Residence NJ, LLC 183 Wilson Street #111 Brooklyn, N.Y. 11211													
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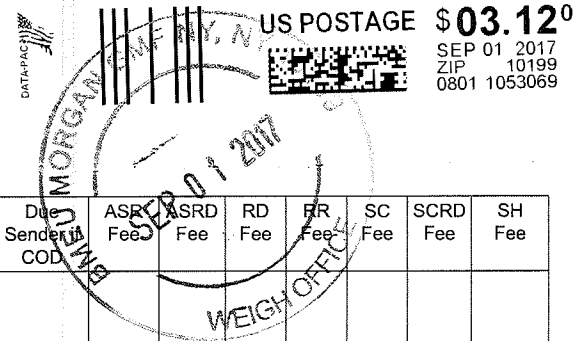


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1.	Current Occupant 121 Carteret Avenue Jersey City, NJ 07305													
2.	Teague, Garthelia A. Or Current Occupant, 119 Carteret Avenue Jersey City, NJ 07305													
3.	Brun, Donald Or Current Occupant 117 Carteret Avenue Jersey City, NJ 07305													
4.	Mohamed, Clive & Jettoo, Donna H/W Or Current Occupant, 115 Carteret Ave. Jersey City, NJ 07305													
5.	LBM Group LLC 1481 47th Street Brooklyn, N.Y. 11219													
6.	Current Occupant 113 Carteret Avenue Jersey City, NJ 07305													
7.	LBM Group LLC 1481 47th Street Brooklyn, N.Y. 11219													
8.	Current Occupant 843 Garfield Avenue Jersey City, NJ 07305													
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1.	LBM Group LLC 1481 47th Street Brooklyn, N.Y. 11219													
2.	Current Occupant 829 Garfield Avenue Jersey City, NJ 07305													
3.	Bascom, Malini Or Current Occupant 2 Claremont Avenue Jersey City, NJ 07305													
4.	Velez, David Or Current Occupant 4 Claremont Avenue Jersey City, NJ 07305													
5.	Bunbury, Sophi Or Current Occupant 6 Claremont Avenue Jersey City, NJ 07305													
6.	Ostreicher, Abraham Or Current Occupant, 8 Claremont Avenue Jersey City, NJ 07310													
7.	Mirthil, Reginald Or Current Occupant 10 Claremont Avenue Jersey City, NJ 07305													
8.	Merritt, J & B Or Current Occupant 12 Claremont Avenue Jersey City, NJ 07305													
Total Number of Pieces Listed by Sender 8	Total Number of Pieces Received by Post Office 8	Postmaster, Per (Name of receiving employee)												

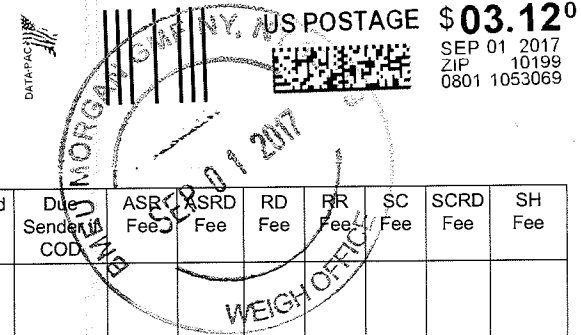


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1.	Jaswal, Suresh & Harinder 1620 Edinburg Road Princeton Jct., NJ 08550													
2.	Current Occupant 90 Randolph Avenue Jersey City, NJ 07305													
3.	Bibi, Razia Or Current Occupant 92 Randolph Avenue Jersey City, NJ 07305													
4.	Geelong, LLC % Dixon Advisory 1000 Plaza Two, 10 Fl. Jersey City, NJ 07311													
5.	Current Occupant 98 Randolph Avenue Jersey City, NJ 07305													
6.	Rodriguez, Robinson 98A Randolph Avenue Jersey City, NJ 07305													
7.	Current Occupant 98.5 Randolph Avenue Jersey City, NJ 07305													
8.	O'Marde, Heidi Or Current Occupant 100 Randolph Avenue Jersey City, NJ 07305													
Total Number of Pieces Listed by Sender 8	Total Number of Pieces Received at Post Office 8	Postmaster, Per (Name of receiving employee)												

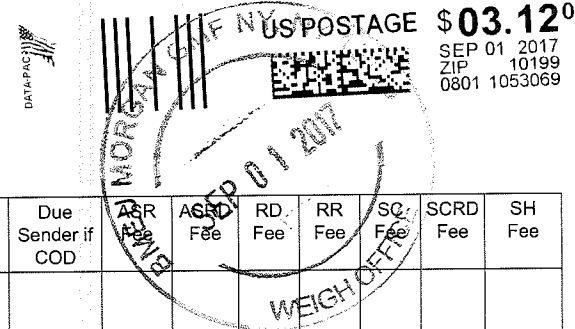


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1.	Moch BSW 1 LLC 544 Springfield Avenue Newark, NJ 07103													
2.	Current Occupant 102 Randolph Avenue Jersey City, NJ 07305													
3.	ABI, LLC 259 Newkirk Avenue Brooklyn, N.Y. 11230													
4.	Current Occupant 104 Randolph Avenue Jersey City, NJ 07305													
5.	Gannon, Dana Or Current Occupant 106 Randolph Avenue Jersey City, NJ 07305													
6.	Rollins, Lorraine A. Or Current Occupant, 108 Randolph Avenue Jersey City, NJ 07305													
7.	McQueary, Ronald Or Current Occupant, 110 Randolph Avenue Jersey City, NJ 07305													
8.	Weathers, Timothy Or Current Occupant, 112 Randolph Avenue Jersey City, NJ 07305													
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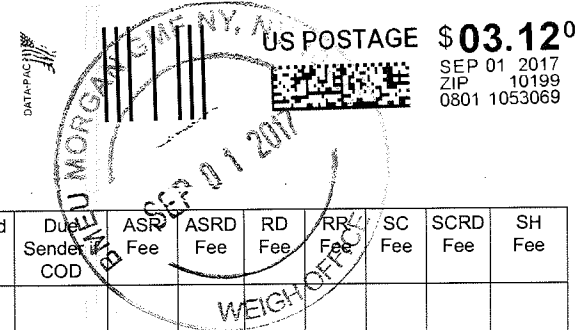


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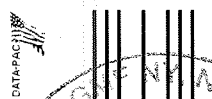
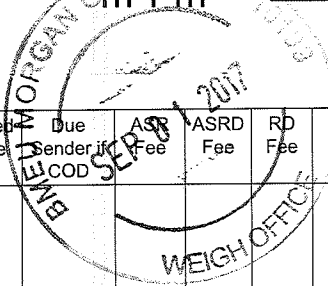
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1.	Smith, Arnold & Regina & Peoples, Mae Or Current Occupant, 114 Randolph Ave. Jersey City, NJ 07305													
2.	Randolph Estates LLC 1274 49th Street, #546 Brooklyn, N.Y. 11219													
3.	Current Occupant 116 Randolph Avenue Jersey City, NJ 07305													
4.	Badawi, Fahmi 68 Magnolia Avenue, #C2 Jersey City, NJ 07306													
5.	Current Occupant 118 Randolph Avenue Jersey City, NJ 07305													
6.	Little, Oralee J. Or Current Occupant 120 Randolph Avenue Jersey City, NJ 07305													
7.	Abrev, Yolanda A. 440 Race Track Road Ridgewood, NJ 07450													
8.	Current Occupant 122 Randolph Avenue Jersey City, NJ 07305													
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Name and Address of Sender PPG Industries PO Box 10443 Pittsburgh, PA 15234		Check type of mail or service ☐ Adult Signature Required ☐ Priority Mail Express ☐ Adult Signature Restricted Delivery ☐ Registered Mail ☐ Certified Mail ☐ Return Receipt for Merchandise ☐ Certified Mail Restricted Delivery ☐ Signature Confirmation ☐ Collect on Delivery (COD) ☐ Signature Confirmation Restricted Delivery ☐ Insured Mail ☐ Priority Mail		Affix Stamp Here (if issued as an internal certificate of mailing or additional copies of this Postmark with Date of)		 US POSTAGE \$03.12 ⁰ SEP 01 2017 ZIP 10199 0801 1053069 									
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1.	MLK Properties, LLC Or Current Occupant, 126 Randolph Avenue Jersey City, NJ 07305														
2.	Vergara, Luis E. & Diane Valencia 47 Gallinson Drive New Providence, NJ 07974														
3.	Current Occupant 128 Randolph Avenue Jersey City, NJ 07305														
4.	Massie, William & Lola 615 15th Avenue Newark, NJ 07103														
5.	Current Occupant 130 Randolph Avenue Jersey City, NJ 07305														
6.	Luyando, Bemgil Or Current Occupant 132 Randolph Avenue Jersey City, NJ 07305														
7.	134 Randolph, LLC 224 93rd Street Brooklyn, N.Y. 11209														
8.	Current Occupant 134 Randolph Avenue Jersey City, NJ 07305														
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1.	Atakent, Aydin 987 E. Glen Avenue Ridgewood, NJ 07450													
2.	Current Occupant 136 Randolph Avenue Jersey City, NJ 07305													
3.	Glaster, Michael Or Current Occupant 138 Randolph Avenue Jersey City, NJ 07305													
4.	Johnson, Larry Jr. & Pimentel, E. Or Current Occupant, 27 Claremont Ave. Jersey City, NJ 07305													
5.	Harmon, Wayne, Tamika & Wayne Jr. Or Current Occupant, 25 Claremont Ave. Jersey City, NJ 07305													
6.	Goletsos, Demetri 380 Mountain Road, #1603 Union City, NJ 07087													
7.	Current Occupant 79 Randolph Avenue Jersey City, NJ 07304													
8.	Goletsos, Demetri 380 Mountain Road, #1603 Union City, NJ 07087													
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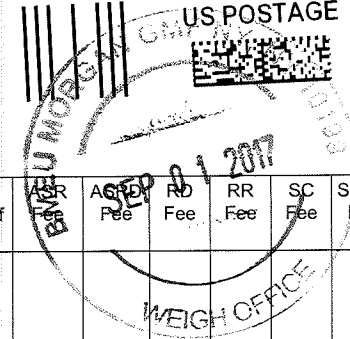


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USPS Tracking/Article Number	Addressee (Name, Street, City, State, & ZIP Code™)	Postage	(Extra Service) Fee	Handling Charge	Actual Value if Registered	Insured Value	Due Sender if COD	ADP Fee	RR Fee	SC Fee	SCRD Fee	SH Fee
1.	Current Occupant 77 Randolph, No. 2 Jersey City, N.J. 07305											
2.	Current Occupant 79 Randolph, No. 1 Jersey City, N.J. 07305											
3.	Current Occupant 79 Randolph, No. 2 Jersey City, N.J. 07305											
4.	Current Occupant 324 Randolph, No. 1 Jersey City, N.J. 07305											
5.	Current Occupant 324 Randolph, No. 2 Jersey City, N.J. 07305											
6.	Current Occupant 324 Randolph, No. 3 Jersey City, N.J. 07305											
7.	Current Occupant 324 Randolph, No. 4 Jersey City, N.J. 07305											
8.	Current Occupant 326 Randolph, No. 1 Jersey City, N.J. 07305											
Total Number of Pieces Listed by Sender 8	Total Number of Pieces Received at Post Office 	Postmaster, Per (Name of receiving employee)										



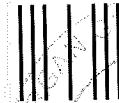
Name and Address of Sender
PPG Industries
PO Box 10443
Pittsburgh, PA 15234

Check type of mail or service

☐ Adult Signature Required	☐ Priority Mail Express
☐ Adult Signature Restricted Delivery	☐ Registered Mail
☐ Certified Mail	☐ Return Receipt for Merchandise
☐ Certified Mail Restricted Delivery	☐ Signature Confirmation
☐ Collect on Delivery (COD)	☐ Signature Confirmation Restricted Delivery
☐ Insured Mail	
☐ Priority Mail	

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USPS Tracking/Article Number	Addressee (Name, Street, City, State, & ZIP Code™)	Postage	(Extra Service) Fee	Handling Charge	Actual Value if Registered	Insured Value	Due Sender if COD	ASR Fee	ASRD Fee	RD Fee	RR Fee	SC Fee	SCRD Fee	SH Fee
1.	Terrrain Properties, LLC P.O. Box 2023 New York, NY 10025													
2.	Current Occupant 65 Randolph Avenue Jersey City, NJ 07304													
3.	61 Randolph Avenue, LLC P.O. Box 2023 New York, NY 10025													
4.	Current Occupant 61 Randolph Avenue Jersey City, NJ 07304													
5.	Ballinas, Raymundo 200 Sprain Road Scarsdale, NY 10583													
6.	Current Occupant 59 Randolph Avenue Jersey City, NJ 07304													
7.	Haggan, Willie & Irvin Or Current Occupant, 57 Randolph Avenue Jersey City, NJ 07305													
8.	Diggs, Martha Or Current Occupant 55 Randolph Avenue Jersey City, NJ 07305													
Total Number of Pieces Listed by Sender 8	Total Number of Pieces Received at Post Office 8	Postmaster, Per (Name of receiving employee)												



Firm Mailing Book For Accountable Mail

Name and Address of Sender PPG Industries PO Box 10443 Pittsburgh, PA 15234		Check type of mail or service ☐ Adult Signature Required ☐ Priority Mail Express ☐ Adult Signature Restricted Delivery ☐ Registered Mail ☐ Certified Mail ☐ Return Receipt for Merchandise ☐ Certified Mail Restricted Delivery ☐ Signature Confirmation ☐ Collect on Delivery (COD) ☐ Signature Confirmation Restricted Delivery ☐ Insured Mail ☐ Priority Mail		Affix Stamp Here (if issued as an international certificate of mailing or additional copies of this Postmark with Date of)										
USPS Tracking/Article Number	Addressee (Name, Street, City, State, & ZIP Code™)	Postage	(Extra Service) Fee	Handling Charge	Actual Value if Registered	Insured Value	Due Sender if COD	ASR Fee	ASRD Fee	RD Fee	RR Fee	SC Fee	SCRD Fee	SH Fee
1.	McDougle, Francine Or Current Occupant, 53 Randolph Avenue Jersey City, NJ 07305													
2.	Ehrman, Chananya P.O. Box 447 Farmingdale, NJ 07305													
3.	Current Occupant 23 Claremont Avenue Jersey City, NJ 07305													
4.	Taylor, Eugene Jr. Or Current Occupant 21 Claremont Avenue Jersey City, NJ 07305													
5.	Tlili, Riadh Or Current Occupant 19A Claremont Avenue Jersey City, NJ 07305													
6.	Lashley, Diane Or Current Occupant 19 Claremont Avenue Jersey City, NJ 07305													
7.	Z-Wave, Inc. 35 Bentley Avenue #1 Jersey City, NJ 07304													
8.	Current Occupant 17 Claremont Avenue Jersey City, NJ 07305													
Total Number of Pieces Listed by Sender 8	Total Number of Pieces Received at Post Office 8	Postmaster, Per (Name of receiving employee)												



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☐ Priority Mail	

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1.	Hughes, Kenneth & Amaya Gisella Or Current Occupant, 15A Claremont Ave. Jersey City, NJ 07305													
2.	Keller Robbin Or Current Occupant 15 Claremont Avenue Jersey City, NJ 07305													
3.	GG Medina Or Current Occupant 11 Claremont Avenue Jersey City, NJ 07305													
4.	Ray, Theresa Or Current Occupant 9 Claremont Avenue Jersey City, NJ 07304													
5.	Yeldell, Dion 7 Junegrass Way Hackettstown, NJ 07840													
6.	Current Occupant 5 Claremont Avenue Jersey City, NJ 07305													
7.	Braker, William C. Or Current Occupant 3 Claremont Avenue Jersey City, NJ 07305													
8.	Claremont Properties, LLC Or Current Occupant, 1 Claremont Avenue Jersey City, NJ 07305													
Total Number of Pieces Listed by Sender 8	Total Number of Pieces Received at Post Office 8	Postmaster, Per (Name of receiving employee)												



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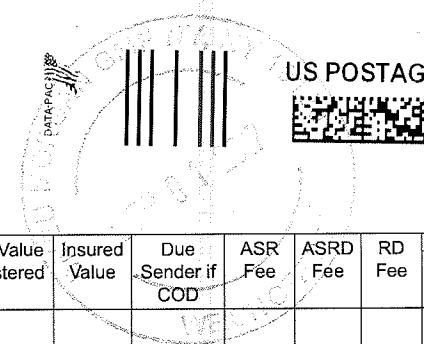
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1.	Anthony Riccardi, Jr., L.L.C. Or Current Occupant, 783 Garfield Avenue Jersey City, NJ 07305													
2.	Jackson, Delores Or Current Occupant, 765 Garfield Avenue Jersey City, NJ 07305													
3.	Rembert, Clinton & Faye Or Current Occupant, 763 Garfield Avenue Jersey City, NJ 07305													
4.	Shelton, Elsie Or Current Occupant, 761 Garfield Avenue Jersey City, NJ 07305													
5.	Hurlee Realty, LLC, 94 Lembeck Avenue Jersey City, NJ 07305													
6.	Current Occupant, 759 Garfield Avenue Jersey City, NJ 07305													
7.	Monticello JC LLC, 14 Jewett Avenue Jersey City, NJ 07304													
8.	Current Occupant, 757 Garfield Avenue Jersey City, NJ 07305													
Total Number of Pieces Listed by Sender 8	Total Number of Pieces Received at Post Office 	Postmaster, Per (Name of receiving employee)												



Name and Address of Sender		Check type of mail or service		Affix Stamp 1 (if issued as an certificate of mail) additional copies Postmark with													
PPG Industries PO Box 10443 Pittsburgh, PA 15234		☐ Adult Signature Required ☐ Adult Signature Restricted Delivery ☐ Certified Mail ☐ Certified Mail Restricted Delivery ☐ Collect on Delivery (COD) ☐ Insured Mail ☐ Priority Mail		☐ Priority Mail Express ☐ Registered Mail ☐ Return Receipt for Merchandise ☐ Signature Confirmation ☐ Signature Confirmation Restricted Delivery													
USPS Tracking/Article Number	Addressee (Name, Street, City, State, & ZIP Code™)	Postage	(Extra Service) Fee	Handling Charge	Actual Value if Registered	Insured Value	Due Sender if COD	ASR Fee	ASRD Fee	RD Fee	RR Fee	SC Fee	SCRD Fee	SH Fee			
1.	Lunger, Menachem 17 Cedar Lane Monsey, NY 10952																
2.	Current Occupant 755 Garfield Avenue Jersey City, NJ 07305																
3.	Caffaro, James Or Current Occupant 753 Garfield Avenue Jersey City, NJ 07305																
4.	Bustos, Clever P. O. Box 2146 Astoria, NY 11102																
5.	Current Occupant 751 Garfield Avenue Jersey City, NJ 07305																
6.	Reyes, Aracelis 94 Lembeck Avenue Jersey City, NJ 07305																
7.	Current Occupant 749 Garfield Avenue Jersey City, NJ 07305																
8.	Di Cara, Elizabeth & Tichenor, John 745 Garfield Avenue Jersey City, NJ 07305																
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Name and Address of Sender		Check type of mail or service		Affix Stamp (if issued as a certificate of additional cost) Postmark with														
USPS Tracking/Article Number		Addressee (Name, Street, City, State, & ZIP Code™)		Postage	(Extra Service) Fee	Handling Charge	Actual Value if Registered	Insured Value	Due Sender if COD	ASR Fee	ASRD Fee	RD Fee	RR Fee	SC Fee	SCRD Fee	SH Fee		
PPG Industries PO Box 10443 Pittsburgh, PA 15234		☐ Adult Signature Required ☐ Adult Signature Restricted Delivery ☐ Certified Mail ☐ Certified Mail Restricted Delivery ☐ Collect on Delivery (COD) ☐ Insured Mail ☐ Priority Mail		☐ Priority Mail Express ☐ Registered Mail ☐ Return Receipt for Merchandise ☐ Signature Confirmation ☐ Signature Confirmation Restricted Delivery														
1.	Current Occupant 741 Garfield Avenue Jersey City, NJ 07305																	
2.	4-6 Myrtle Avenue, LLC Or Current Occupant, 4 Myrtle Avenue Jersey City, NJ 07305																	
3.	Baker, James M. & Kelly L. Or Current Occupant, 44 Randolph Avenue Jersey City, NJ 07305																	
4.	Kim, HWA-Soon, Young Choi, Alice Eun Or Current Occupant, 46 Randolph Ave. Jersey City, NJ 07305																	
5.	The T Shop LLC Or Current Occupant 48 Randolph Avenue Jersey City, NJ 07305																	
6.	Farmer, Daniel Or Current Occupant 50 Randolph Avenue Jersey City, NJ 07305																	
7.	KS Developers 40 Oakwood Avenue Woodbridge, NJ 07095																	
8.	Current Occupant 52 Randolph Avenue Jersey City, NJ 07305																	
Total Number of Pieces Listed by Sender 8		Total Number of Pieces Received at Post Office 8		Postmaster, Per (Name of receiving employee)														



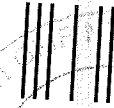
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1.	Levy, Cheskel S. 54 Rudolph Avenue Jersey City, NJ 07305													
2.	Current Occupant 54 Randolph Avenue Jersey City, NJ 07305													
3.	Wiley, Daniel Or Current Occupant 56 Randolph Avenue Jersey City, NJ 07305													
4.	Roman, Awilda 749 Garfield Avenue Jersey City, NJ 07305													
5.	Current Occupant 58 Randolph Avenue Jersey City, NJ 07304													
6.	Weiss, Kalman Or Current Occupant 60 Randolph Avenue Jersey City, NJ 07305													
7.	Norris, J&M Or Current Occupant 62 Randolph Avenue Jersey City, NJ 07305													
8.	Balde, Thierno Aliou Or Current Occupant 64 Randolph Avenue Jersey City, NJ 07305													
Total Number of Pieces Listed by Sender 8	Total Number of Pieces Received at Post Office 8	Postmaster, Per (Name of receiving employee)												



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Name and Address of Sender		Check type of mail or service	Affix Stamp H (if issued as an i certificate of mai additional copie: Postmark with Date of Receipt.													
USPS Tracking/Article Number		Addressee (Name, Street, City, State, & ZIP Code™)	Postage	(Extra Service) Fee	Handling Charge	Actual Value if Registered	Insured Value	Due Sender if COD	ASR Fee	ASRD Fee	RD Fee	RR Fee	SC Fee	SCRD Fee	SH Fee	
1.		Jafari, Hossein Or Current Occupant 66 Randolph Avenue Jersey City, NJ 07302														
2.		Jaswal, Suresh & Harinder 1620 Edinburg Road Princeton Jct., NJ 08550														
3.		Current Occupant 68 Randolph Avenue Jersey City, NJ 07304														
4.		Jaswal, Suresh & Harinder 1620 Edinburg Road Princeton Jct., NJ 08550														
5.		Current Occupant 70 Randolph Avenue Jersey City, NJ 07304														
6.		Acevedo, Jeans C. & Camilo, Jessenia Or Current Occupant, 72 Randolph Ave. Jersey City, NJ 07305														
7.		Acuna, Alex, Tamara P. & Proano, C. Or Current Occupant, 74 Randolph Ave. Jersey City, NJ 07305														
8.		Thomas, Even & Thomas Everet Or Current Occupant, 76 Randolph Ave E. Jersey City, NJ 07305														
Total Number of Pieces Listed by Sender	Total Number of Pieces Received at Post Office	Postmaster, Per (Name of receiving employee)														



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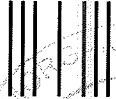
US POSTAGE \$03.12⁰
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0801 1053069

USPS Tracking/Article Number	Addressee (Name, Street, City, State, & ZIP Code™)	Postage	(Extra Service) Fee	Handling Charge	Actual Value if Registered	Insured Value	Due Sender if COD	ASR Fee	ASRD Fee	RD Fee	RR Fee	SC Fee	SCRD Fee	SH Fee
1.	Wilson, Terry P. Or Current Occupant 78 Randolph Avenue Jersey City, NJ 07305													
2.	Huynh, Mingchu 6141 Argyle Street Philadelphia, PA 19111													
3.	Current Occupant 80 Randolph Avenue Jersey City, NJ 07304													
4.	Huynh, Mingchu 80 Randolph Avenue Jersey City, NJ 07305													
5.	Current Occupant 82 Randolph Avenue Jersey City, NJ 07304													
6.	T & C Investments, L.L.C. Or Current Occupant, 770 Garfield Avenue Jersey City, NJ 07305													
7.	T & C Investments, L.L.C. Or Current Occupant, 770 Garfield Avenue Jersey City, NJ 07305													
8.	T & C Investments, L.L.C. Or Current Occupant, 758 Garfield Avenue Jersey City, NJ 07305													
Total Number of Pieces Listed by Sender 8	Total Number of Pieces Received at Post Office 8	Postmaster, Per (Name of receiving employee)												



Name and Address of Sender		Check type of mail or service		Affix Stamp (if issued as a certificate of mail additional copy) Postmark with														
USPS Tracking/Article Number		Addressee (Name, Street, City, State, & ZIP Code™)		Postage	(Extra Service) Fee	Handling Charge	Actual Value if Registered	Insured Value	Due Sender if COD	ASR Fee	ASRD Fee	RD Fee	RR Fee	SC Fee	SCRD Fee	SH Fee		
PPG Industries PO Box 10443 Pittsburgh, PA 15234		☐ Adult Signature Required ☐ Adult Signature Restricted Delivery ☐ Certified Mail ☐ Certified Mail Restricted Delivery ☐ Collect on Delivery (COD) ☐ Insured Mail ☐ Priority Mail		☐ Priority Mail Express ☐ Registered Mail ☐ Return Receipt for Merchandise ☐ Signature Confirmation ☐ Signature Confirmation Restricted Delivery														
1.		T & C Investments, L.L.C. Or Current Occupant, 758 Garfield Avenue Jersey City, NJ 07305																
2.		Miller, Kinyetta Or Current Occupant 756 Garfield Avenue Jersey City, NJ 07305																
3.		Essendon, LLC % Dixon Advisory P. O. Box 2032 Jersey City, NJ 07303																
4.		Current Occupant 754 Garfield Avenue Jersey City, NJ 07305																
5.		Franqui, Jimmie Or Current Occupant 752 Garfield Avenue Jersey City, NJ 07305																
6.		Estrella, Antonio 749 Garfield Avenue Jersey City, NJ 07305																
7.		Current Occupant 750 Garfield Avenue Jersey City, NJ 07305																
8.		Lyons, Henry V. Jr. & Shanakaye Ellis Or Current Occupant, 748 Randolph Ave. Jersey City, NJ 07305																
Total Number of Pieces Listed by Sender 8		Total Number of Pieces Received at Post Office 8		Postmaster, Per (Name of receiving employee)														



Name and Address of Sender PPG Industries PO Box 10443 Pittsburgh, PA 15234		Check type of mail or service ☐ Adult Signature Required ☐ Priority Mail Express ☐ Adult Signature Restricted Delivery ☐ Registered Mail ☐ Certified Mail ☐ Return Receipt for Merchandise ☐ Certified Mail Restricted Delivery ☐ Signature Confirmation ☐ Collect on Delivery (COD) ☐ Signature Confirmation Restricted Delivery ☐ Insured Mail ☐ Priority Mail		Affix Stamp (if issued as a certificate of mail additional copy) Postmark with  US POSTAGE \$03.12⁰ SEP 01 2017 ZIP 10199 0801 1053069												
USPS Tracking/Article Number	Addressee (Name, Street, City, State, & ZIP Code™)	Postage	(Extra Service) Fee	Handling Charge	Actual Value if Registered	Insured Value	Due Sender if COD	ASR Fee	ASRD Fee	RD Fee	RR Fee	SC Fee	SCRD Fee	SH Fee		
1.	Boccia, Joseph, Angela Alston- Or Current Occupant, 746 Garfield Avenue Jersey City, NJ 07305															
2.	Spencer, Thomas Sr. & Rosie 742 Garfield Avenue Jersey City, NJ 07305															
3.	Current Occupant 744 Garfield Avenue Jersey City, NJ 07305															
4.	Spencer, Thomas Sr. & Rosie Or Current Occupant, 742 Garfield Avenue Jersey City, NJ 07305															
5.	Ayllon, Armando Or Current Occupant 740 Garfield Avenue Jersey City, NJ 07305															
6.	Barrios, Desiderio 6 Keats Road Short Hills, NJ 07078															
7.	Current Occupant 738 Garfield Avenue Jersey City, NJ 07305															
8.	J.M. Garfield, LLC 682 Garfield Avenue Jersey City, NJ 07305															
Total Number of Pieces Listed by Sender 8	Total Number of Pieces Received at Post Office 8	Postmaster, Per (Name of receiving employee)														



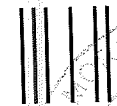
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1.	Current Occupant 676 Garfield Avenue Jersey City, NJ 07305													
2.	J.M. Garfield, LLC 682 Garfield Avenue Jersey City, NJ 07305													
3.	Current Occupant 17 Commercial Street Jersey City, NJ													
4.	J.M. Garfield, LLC 682 Garfield Avenue Jersey City, NJ 07305													
5.	Current Occupant 21 Commercial Street Jersey City, NJ													
6.	MGN Auto Mall, LLC 682-694 Garfield Avenue Jersey City, NJ 07306													
7.	Current Occupant 682 Garfield Avenue Jersey City, NJ 07305													
8.	MGN Auto Mall, LLC 682-694 Garfield Avenue Jersey City, NJ 07306													
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1.	Current Occupant 690 Garfield Avenue Jersey City, NJ 07305													
2.	700 Garfield Avenue, LLC & Steven L. P. O. Box 182 Livingston, NJ 07039													
3.	Current Occupant Garfield Avenue Jersey City, NJ 07305													
4.	MGN Auto Mall, LLC 682-694 Garfield Avenue Jersey City, NJ 07306													
5.	Current Occupant 694 Garfield Avenue Jersey City, NJ 07305													
6.	700 Garfield Avenue, LLC & Steven L. 333 Eisenhower Parkway Livingston, NJ 07039													
7.	Current Occupant 700 Garfield Avenue Jersey City, NJ 07305													
8.	700 Garfield Avenue, LLC & Steven L. P. O. Box 182 Livingston, NJ 07039													
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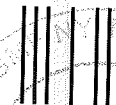


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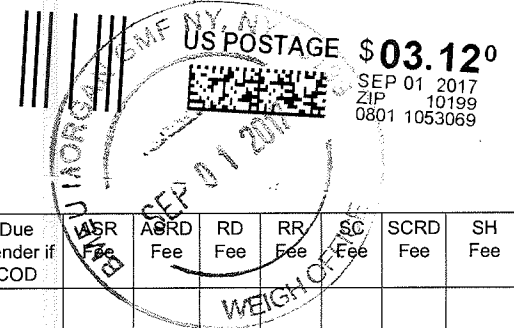


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1.	Current Occupant 704 Garfield Avenue Jersey City, NJ 07305													
2.	700 Garfield Avenue, LLC & Steven L. P. O. Box 182 Livingston, NJ 07039													
3.	Current Occupant 49 Commercial Street Jersey City, NJ													
4.	Munoz, Yanira Or Current Occupant 706 Garfield Avenue Jersey City, NJ 07304													
5.	Council, Christopher & Karen Or Current Occupant, 708 Garfield Avenue Jersey City, NJ 07305													
6.	Gonzalez, Timoteo & Margarita Or Current Occupant, 710 Garfield Ave. Jersey City, NJ 07305													
7.	Sanchez, Felix Or Current Occupant 712 Garfield Avenue Jersey City, NJ 07304													
8.	Zayas, Angel & Wilmalis G. Or Current Occupant, 714 Garfield Avenue Jersey City, NJ 07305													
Total Number of Pieces Listed by Sender 8	Total Number of Pieces Received at Post Office 	Postmaster, Per (Name of receiving employee)												



Name and Address of Sender PPG Industries PO Box 10443 Pittsburgh, PA 15234		Check type of mail or service ☐ Adult Signature Required ☐ Priority Mail Express ☐ Adult Signature Restricted Delivery ☐ Registered Mail ☐ Certified Mail ☐ Return Receipt for Merchandise ☐ Certified Mail Restricted Delivery ☐ Signature Confirmation ☐ Collect on Delivery (COD) ☐ Signature Confirmation Restricted Delivery ☐ Insured Mail ☐ Priority Mail		Affix Stamp Here (if issued as an international certificate of mailing, additional copies of Postmark with DataMatrix)										
USPS Tracking/Article Number	Addressee (Name, Street, City, State, & ZIP Code™)	Postage	(Extra Service) Fee	Handling Charge	Actual Value if Registered	Insured Value	Due Sender if COD	ASR Fee	ASRD Fee	RD Fee	RR Fee	SC Fee	SCRD Fee	SH Fee
1.	Britton, Sam & Bertha Or Current Occupant, 716 Garfield Avenue Jersey City, NJ 07305													
2.	BTS Investment Group, LLC 302 Newark Avenue Jersey City, NJ 07305													
3.	Current Occupant 718 Garfield Avenue Jersey City, NJ 07305													
4.	Najjar Development, LLC Or Current Occupant, 722 Garfield Avenue Jersey City, NJ 07305													
5.	Wilson, Leonard Or Current Occupant 726 Garfield Avenue Jersey City, NJ 07305													
6.	Wilson, Leonard Or Current Occupant 726 Garfield Avenue Jersey City, NJ 07305													
7.	Marrero, Edwino & Alice 2328 Bagdad Avenue Orlando, FL 32833													
8.	Current Occupant 730 Garfield Avenue Jersey City, NJ 07304													
Total Number of Pieces Listed by Sender 8	Total Number of Pieces Received at Post Office 8	Postmaster, Per (Name of receiving employee)												





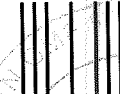
Name and Address of Sender
PPG Industries
PO Box 10443
Pittsburgh, PA 15234

Check type of mail or service

☐ Adult Signature Required	☐ Priority Mail Express
☐ Adult Signature Restricted Delivery	☐ Registered Mail
☐ Certified Mail	☐ Return Receipt for Merchandise
☐ Certified Mail Restricted Delivery	☐ Signature Confirmation
☐ Collect on Delivery (COD)	☐ Signature Confirmation Restricted Delivery
☐ Insured Mail	
☐ Priority Mail	

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ZIP 10199
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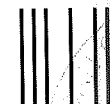
USPS Tracking/Article Number	Addressee (Name, Street, City, State, & ZIP Code™)	Postage	(Extra Service) Fee	Handling Charge	Actual Value if Registered	Insured Value	Due Sender if COD	ASR Fee	ASRD Fee	RD Fee	RR Fee	SC Fee	SCRD Fee	SH Fee
1.	Barillari, Frank 1117 Edgebrook Drive South Toms River, NJ 08757													
2.	Current Occupant 734 Garfield Avenue Jersey City, NJ 07304													
3.	Artist, Kimberly Or Current Occupant 736 Garfield Avenue Jersey City, NJ 07305													
4.	City of Jersey City 280 Grove Street Jersey City, NJ 07302													
5.	Current Occupant 65 Commercial Street Jersey City, NJ													
6.	City of Jersey City 280 Grove Street Jersey City, NJ 07302													
7.	Current Occupant 20 Commercial Street Jersey City, NJ													
8.	Sudylo, Andrew & Julia 534 Ridge Road Phillipsburg, NJ 08865													
Total Number of Pieces Listed by Sender 8	Total Number of Pieces Received at Post Office 8	Postmaster, Per (Name of receiving employee)												



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USPS Tracking/Article Number	Addressee (Name, Street, City, State, & ZIP Code™)	Postage	(Extra Service) Fee	Handling Charge	Actual Value if Registered	Insured Value	Due Sender if COD	ASR Fee	ASRD Fee	RD Fee	RR Fee	SC Fee	SCRD Fee	SH Fee
1.	Current Occupant 55 Caven Point Avenue Jersey City, NJ 07305													
2.	Consolidated Rail P. O. Box 8499 Philadelphia, PA 19101													
3.	Current Occupant Caven Point Avenue Jersey City, NJ 07305													
4.	Newark Indust. Assoc. C/O C. Daniels 501 Seventh Avenue #400 New York, NY 10018													
5.	Current Occupant 21 Caven Point Avenue Jersey City, NJ 07305													
6.	Reliable Realty, L.L.C. One Caven Point Avenue Jersey City, NJ 07305													
7.	Current Occupant 11 Caven Point Avenue Jersey City, NJ 07305													
8.	City of Jersey City 280 Grove Street Jersey City, NJ 07302													
Total Number of Pieces Listed by Sender 8	Total Number of Pieces Received at Post Office 8	Postmaster, Per (Name of receiving employee)												

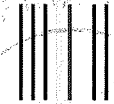


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☐ Certified Mail Restricted Delivery ☐ Signature Confirmation
☐ Collect on Delivery (COD) ☐ Signature Confirmation Restricted Delivery
☐ Insured Mail
☐ Priority Mail

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ZIP 10199
0801 1053069

USPS Tracking/Article Number	Addressee (Name, Street, City, State, & ZIP Code™)	Postage	(Extra Service) Fee	Handling Charge	Actual Value if Registered	Insured Value	Due Sender if COD	ASR Fee	ASRD Fee	RD Fee	RR Fee	SC Fee	SCRD Fee	SH Fee
1.	Current Occupant 2 Commercial Street Jersey City, NJ													
2.	City of Jersey City 280 Grove Street Jersey City, NJ 07305													
3.	Current Occupant Caven Point Avenue Jersey City, NJ 07305													
4.	City of Jersey City 280 Grove Street Jersey City, NJ 07302													
5.	Current Occupant Caven Point Avenue Jersey City, NJ 07305													
6.	Current Occupant(s) 2 Union St., Apt. 1A Jersey City, N.J. 07304													
7.	Current Occupant(s) 2 Union St., Apt. 1B Jersey City, N.J. 07304													
8.	Current Occupant(s) 2 Union St., Apt. 1C Jersey City, N.J. 07304													
Total Number of Pieces Listed by Sender 8	Total Number of Pieces Received at Post Office 8	Postmaster, Per (Name of receiving employee)												



Firm Mailing Book For Accountable Mail

Name and Address of Sender PPG Industries PO Box 10443 Pittsburgh, PA 15234		Check type of mail or service ☐ Adult Signature Required ☐ Priority Mail Express ☐ Adult Signature Restricted Delivery ☐ Registered Mail ☐ Certified Mail ☐ Return Receipt for Merchandise ☐ Certified Mail Restricted Delivery ☐ Signature Confirmation ☐ Collect on Delivery (COD) ☐ Signature Confirmation Restricted Delivery ☐ Insured Mail ☐ Priority Mail		Affix Stamp Here (if issued as an in certificate of mail additional copies Postmark with C				US POSTAGE \$03.12 ⁰ SEP 01 2017 ZIP 10199 0801 1053069						
USPS Tracking/Article Number	Addressee (Name, Street, City, State, & ZIP Code™)	Postage	(Extra Service) Fee	Handling Charge	Actual Value If Registered	Insured Value	Due Sender if COD	ASR Fee	ASRD Fee	RD Fee	RR Fee	SC Fee	SCRD Fee	SH Fee
1.	Current Occupant(s) 2 Union St., Apt. 1D Jersey City, N.J. 07304													
2.	Current Occupant(s) 2 Union St., Apt. 1E Jersey City, N.J. 07304													
3.	Current Occupant(s) 2 Union St., Apt. 1F Jersey City, N.J. 07304													
4.	Current Occupant(s) 2 Union St., Apt. 1G Jersey City, N.J. 07304													
5.	Current Occupant(s) 2 Union St., Apt. 1H Jersey City, N.J. 07304													
6.	Current Occupant(s) 2 Union St., Apt. 1I Jersey City, N.J. 07304													
7.	Current Occupant(s) 2 Union St., Apt. 1J Jersey City, N.J. 07304													
8.	Current Occupant(s) 2 Union St., Apt. 1K Jersey City, N.J. 07304													
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USPS Tracking/Article Number	Addressee (Name, Street, City, State, & ZIP Code™)	Postage	(Extra Service) Fee	Handling Charge	Actual Value if Registered	Insured Value	Due Sender if COD	ASR Fee	ASRD Fee	RD Fee	RR Fee	SC Fee	SCRD Fee	SH Fee	
1.	Current Occupant(s) 2 Union St., Apt. 1L Jersey City, N.J. 07304														
2.	Current Occupant(s) 2 Union St., Apt. 1M Jersey City, N.J. 07304														
3.	Current Occupant(s) 2 Union St., Apt. 1N Jersey City, N.J. 07304														
4.	Current Occupant(s) 2 Union St., Apt. 1O Jersey City, N.J. 07304														
5.	Current Occupant(s) 2 Union St., Apt. 1P Jersey City, N.J. 07304														
6.	Current Occupant(s) 2 Union St., Apt. 1Q Jersey City, N.J. 07304														
7.	Current Occupant(s) 2 Union St., Apt. 1R Jersey City, N.J. 07304														
8.	Current Occupant(s) 2 Union St., Apt. 2A Jersey City, N.J. 07304														
Total Number of Pieces Listed by Sender 8	Total Number of Pieces Received at Post Office 8	Postmaster, Per (Name of receiving employee)													



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USPS Tracking/Article Number	Addressee (Name, Street, City, State, & ZIP Code™)	Postage	(Extra Service) Fee	Handling Charge	Actual Value if Registered	Insured Value	Due Sender if COD	ASR Fee	ASRD Fee	RD Fee	RR Fee	SC Fee	SCRD Fee	SH Fee					
1.	Current Occupant(s) 2 Union St., Apt. 2B Jersey City, N.J. 07304																		
2.	Current Occupant(s) 2 Union St., Apt. 2C Jersey City, N.J. 07304																		
3.	Current Occupant(s) 2 Union St., Apt. 2D Jersey City, N.J. 07304																		
4.	Current Occupant(s) 2 Union St., Apt. 2E Jersey City, N.J. 07304																		
5.	Current Occupant(s) 2 Union St., Apt. 2F Jersey City, N.J. 07304																		
6.	Current Occupant(s) 2 Union St., Apt. 2G Jersey City, N.J. 07304																		
7.	Current Occupant(s) 2 Union St., Apt. 2H Jersey City, N.J. 07304																		
8.	Current Occupant(s) 2 Union St., Apt. 2I Jersey City, N.J. 07304																		
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Name and Address of Sender
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PO Box 10443
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Check type of mail or service

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☐ Priority Mail	

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1.	Current Occupant(s) 2 Union St., Apt. 2J Jersey City, N.J. 07304													
2.	Current Occupant(s) 2 Union St., Apt. 2K Jersey City, N.J. 07304													
3.	Current Occupant(s) 2 Union St., Apt. 2L Jersey City, N.J. 07304													
4.	Current Occupant(s) 2 Union St., Apt. 2M Jersey City, N.J. 07304													
5.	Current Occupant(s) 2 Union St., Apt. 2N Jersey City, N.J. 07304													
6.	Current Occupant(s) 2 Union St., Apt. 2O Jersey City, N.J. 07304													
7.	Current Occupant(s) 2 Union St., Apt. 2P Jersey City, N.J. 07304													
8.	Current Occupant(s) 2 Union St., Apt. 2Q Jersey City, N.J. 07304													
Total Number of Pieces Listed by Sender 8	Total Number of Pieces Received at Post Office 8	Postmaster, Per (Name of receiving employee)												

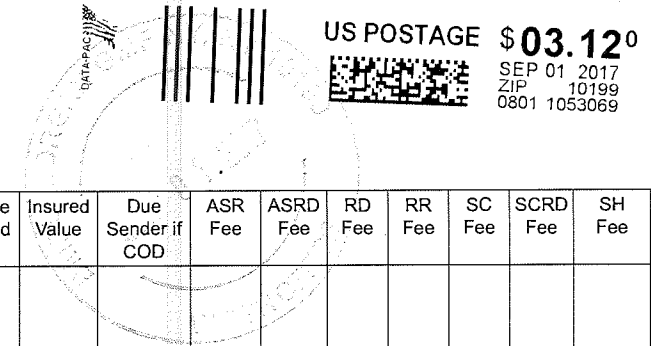


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☐ Adult Signature Required ☐ Priority Mail Express
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1.	Current Occupant(s) 2 Union St., Apt. 2R Jersey City, N.J. 07304													
2.	Eastern Waterproofing 350 Communipaw Ave. Jersey City, N.J. 07304													
3.	Wilson Automotive Warehouse 98 Forrest St. Jersey City, N.J. 07304													
4.	Vision Tours Corp. 77 Forrest St. Jersey City, N.J. 07304													
5.	State Transtour Corp. 77 Forrest St. Jersey City, N.J. 07304													
6.	Milly's Unisex Beauty Center 163 Pacific Avenue Jersey City, N.J. 07304													
7.	Current Occupant 181A Pacific Avenue Jersey City, N.J. 07304													
8.	J & A Auto Repair 181 Pacific Avenue Jersey City, N.J. 07304													
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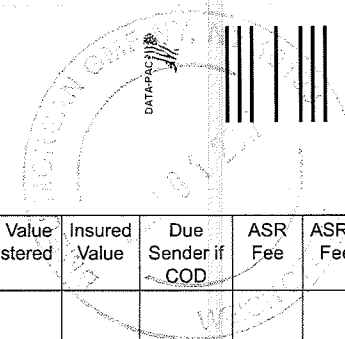
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☐ Insured Mail	
☐ Priority Mail	

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0801 1053069

USPS Tracking/Article Number	Addressee (Name, Street, City, State, & ZIP Code™)	Postage	(Extra Service) Fee	Handling Charge	Actual Value if Registered	Insured Value	Due Sender if COD	ASR Fee	ASRD Fee	RD Fee	RR Fee	SC Fee	SCRD Fee	SH Fee
1.	Restaurant Supplies, Inc. 181 Pacific Avenue Jersey City, N.J. 07304													
2.	Rim Repair 181 Pacific Avenue Jersey City, N.J. 07304													
3.	Pacific Pic and Pac 181 Pacific Avenue Jersey City, N.J. 07304													
4.	Parness 181 Pacific Avenue Jersey City, N.J. 07304													
5.	Pacific Logistics 181 Pacific Avenue Jersey City, N.J. 07304													
6.	LS Restaurant Supplies 181 Pacific Avenue Jersey City, N.J. 07304													
7.	El Boricua Lechoria 213 Pacific Avenue Jersey City, N.J. 07304													
8.	Eden Wood Corporation 150 Pacific Avenue Jersey City, N.J. 07304													
Total Number of Pieces Listed by Sender 8	Total Number of Pieces Received at Post Office 8	Postmaster, Per (Name of receiving employee)												



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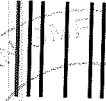
Name and Address of Sender
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☐ Adult Signature Required	☐ Priority Mail Express
☐ Adult Signature Restricted Delivery	☐ Registered Mail
☐ Certified Mail	☐ Return Receipt for Merchandise
☐ Certified Mail Restricted Delivery	☐ Signature Confirmation
☐ Collect on Delivery (COD)	☐ Signature Confirmation Restricted Delivery
☐ Insured Mail	
☐ Priority Mail	

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USPS Tracking/Article Number	Addressee (Name, Street, City, State, & ZIP Code™)	Postage	(Extra Service) Fee	Handling Charge	Actual Value if Registered	Insured Value	Due Sender if COD	ASR Fee	ASRD Fee	RD Fee	RR Fee	SC Fee	SCRD Fee	SH Fee
1.	Midway Transportation 150 Pacific Avenue, C-2 Jersey City, N.J. 07304													
2.	Verdi Travel Ware 150 Pacific Avenue, A-1 Jersey City, N.J. 07304													
3.	Lou Levy & Sons 150 Pacific Avenue, A-2 Jersey City, N.J. 07304													
4.	Contract Furniture Transport, Inc. 150 Pacific Avenue, Building Q Jersey City, N.J. 07304													
5.	Cable TV of Jersey City 150 Pacific Avenue, Building P Jersey City, N.J. 07304													
6.	At Home USA 150 Pacific Avenue, Building R Jersey City, N.J. 07304													
7.	Advanced Built Structures, Inc. 150 Pacific Avenue Jersey City, N.J. 07304													
8.	Current Occupant 219 Pacific Avenue, No. 1 Jersey City, N.J. 07304													
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Name and Address of Sender PPG Industries PO Box 10443 Pittsburgh, PA 15234		Check type of mail or service ☐ Adult Signature Required ☐ Priority Mail Express ☐ Adult Signature Restricted Delivery ☐ Registered Mail ☐ Certified Mail ☐ Return Receipt for Merchandise ☐ Certified Mail Restricted Delivery ☐ Signature Confirmation ☐ Collect on Delivery (COD) ☐ Signature Confirmation Restricted Delivery ☐ Insured Mail ☐ Priority Mail		Affix Stamp Here (if issued as an interoffice certificate of mailing, attach additional copies of the Postmark with Date)						US POSTAGE \$ 03.12 ⁰		SEP 01 2017 ZIP 10199 0801 1053069		
USPS Tracking/Article Number	Addressee (Name, Street, City, State, & ZIP Code™)	Postage	(Extra Service) Fee	Handling Charge	Actual Value if Registered	Insured Value	Due Sender if COD	ASR Fee	ASRD Fee	RD Fee	RR Fee	SC Fee	SCRD Fee	SH Fee
1.	Current Occupant 219 Pacific Avenue, No. 2 Jersey City, N.J. 07304													
2.	Current Occupant 219 Pacific Avenue, No. 3 Jersey City, N.J. 07304													
3.	Current Occupant 219 Pacific Avenue, No. 4 Jersey City, N.J. 07304													
4.	Current Occupant 219 Pacific Avenue, No. 5 Jersey City, N.J. 07304													
5.	Current Occupant 219 Pacific Avenue, No. 6 Jersey City, N.J. 07304													
6.	Current Occupant 221 Pacific Avenue, No. 1 Jersey City, N.J. 07304													
7.	Current Occupant 221 Pacific Avenue, No. 2 Jersey City, N.J. 07304													
8.	Current Occupant 221 Pacific Avenue, No. 3 Jersey City, N.J. 07304													
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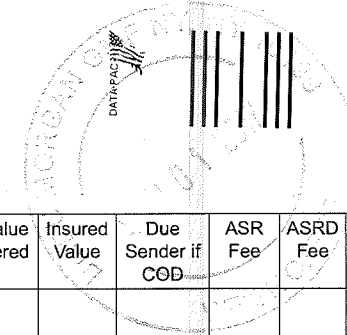
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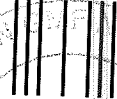
USPS Tracking/Article Number	Addressee (Name, Street, City, State, & ZIP Code™)	Postage	(Extra Service) Fee	Handling Charge	Actual Value if Registered	Insured Value	Due Sender if COD	ASR Fee	ASRD Fee	RD Fee	RR Fee	SC Fee	SCRD Fee	SH Fee
1.	Current Occupant 221 Pacific Avenue, No. 4 Jersey City, N.J. 07304													
2.	Current Occupant 221 Pacific Avenue, No. 5 Jersey City, N.J. 07304													
3.	Current Occupant 221 Pacific Avenue, No. 6 Jersey City, N.J. 07304													
4.	Current Occupant 223 Pacific Avenue, No. 1 Jersey City, N.J. 07304													
5.	Current Occupant 223 Pacific Avenue, No. 2 Jersey City, N.J. 07304													
6.	Green Environmental Services 118 Halladay Jersey City, N.J. 07304													
7.	Current Occupant 120 Halladay Jersey City, N.J. 07304													
8.	Turnpike Auto 94 Halladay Street Jersey City, N.J. 07304													
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USPS Tracking/Article Number		Addressee (Name, Street, City, State, & ZIP Code™)		Postage	(Extra Service) Fee	Handling Charge	Actual Value if Registered	Insured Value	Due Sender if COD	ASR Fee	ASRD Fee	RD Fee	RR Fee	SC Fee	SCRD Fee	SH Fee	
1.	Liberty Aggregates 34 Caven Point Avenue Jersey City, N.J. 07305	☐ Adult Signature Required	☐ Priority Mail Express														
2.	Liberty Stone 50 Caven Point Avenue Jersey City, N.J. 07305	☐ Adult Signature Restricted Delivery	☐ Registered Mail														
3.	Reliable Recycling 1 Caven Point Avenue Jersey City, N.J. 07305	☐ Certified Mail	☐ Return Receipt for Merchandise														
4.	Luna Pallet 55 Caven Point Avenue Jersey City, N.J. 07305	☐ Certified Mail Restricted Delivery	☐ Signature Confirmation														
5.	Current Occupant 20 Caven Point Avenue Jersey City, N.J. 07305	☐ Collect on Delivery (COD)	☐ Signature Confirmation Restricted Delivery														
6.	Current Occupant 21 Caven Point Avenue Jersey City, N.J. 07305	☐ Insured Mail															
7.	Current Occupant 38 Randolph, No. 1 Jersey City, N.J. 07305	☐ Priority Mail															
8.	Current Occupant 38 Randolph, No. 2 Jersey City, N.J. 07305																
Total Number of Pieces Listed by Sender 8	Total Number of Pieces Received at Post Office 8	Postmaster, Per (Name of receiving employee)															



Name and Address of Sender PPG Industries PO Box 10443 Pittsburgh, PA 15234		Check type of mail or service ☐ Adult Signature Required ☐ Priority Mail Express ☐ Adult Signature Restricted Delivery ☐ Registered Mail ☐ Certified Mail ☐ Return Receipt for Merchandise ☐ Certified Mail Restricted Delivery ☐ Signature Confirmation ☐ Collect on Delivery (COD) ☐ Signature Confirmation Restricted Delivery ☐ Insured Mail ☐ Priority Mail		Affix Stamp (if issued as a certificate of additional postage) Postmark w/		 US POSTAGE \$03.12⁰ SEP 01 2017 ZIP 10199 0801 1053069										
USPS Tracking/Article Number	Addressee (Name, Street, City, State, & ZIP Code™)			Postage	(Extra Service) Fee	Handling Charge	Actual Value if Registered	Insured Value	Due Sender if COD	ASR Fee	ASRD Fee	RD Fee	RR Fee	SC Fee	SCRD Fee	SH Fee
1.	Current Occupant 38 Randolph, No. 3 Jersey City, N.J. 07305															
2.	Current Occupant 38 Randolph, No. 4 Jersey City, N.J. 07305															
3.	Current Occupant 38 Randolph, No. 5 Jersey City, N.J. 07305															
4.	Current Occupant 38 Randolph, No. 6 Jersey City, N.J. 07305															
5.	Current Occupant 39 Randolph, No. 1 Jersey City, N.J. 07305 C															
6.	Current Occupant 39 Randolph, No. 2 Jersey City, N.J. 07305															
7.	Current Occupant 40 Randolph, No. 1 Jersey City, N.J. 07305															
8.	Current Occupant 40 Randolph, No. 2 Jersey City, N.J. 07305															
Total Number of Pieces Listed by Sender 8	Total Number of Pieces Received at Post Office	Postmaster, Per (Name of receiving employee) 														



Firm Mailing Book For Accountable Mail

Name and Address of Sender		Check type of mail or service		Affix Stamp Here (if issued as an intern certificate of mailing c additional copies of th Postmark with Date												
USPS Tracking/Article Number		Addressee (Name, Street, City, State, & ZIP Code™)		Postage	(Extra Service) Fee	Handling Charge	Actual Value if Registered	Insured Value	Due Sender if COD	ASR Fee	ASRD Fee	RD Fee	RR Fee	SC Fee	SCRD Fee	SH Fee
1.	PPG Industries PO Box 10443 Pittsburgh, PA 15234	Current Occupant 42 Randolph, No. 1 Jersey City, N.J. 07305														
2.		Current Occupant 42 Randolph, No. 2 Jersey City, N.J. 07305														
3.		Current Occupant 46 Randolph, No. 1 Jersey City, N.J. 07305														
4.		Current Occupant 46 Randolph, No. 2 Jersey City, N.J. 07305														
5.		Current Occupant 48 Randolph, No. 1 Jersey City, N.J. 07305														
6.		Current Occupant 48 Randolph, No. 2 Jersey City, N.J. 07305														
7.		Current Occupant 49 Randolph, No. 1 Jersey City, N.J. 07305														
8.		Current Occupant 49 Randolph, No. 2 Jersey City, N.J. 07305														
Total Number of Pieces Listed by Sender 8		Total Number of Pieces Received at Post Office		Postmaster, Per (Name of receiving employee)												



Firm Mailing Book For Accountable Mail

Name and Address of Sender

PPG Industries
PO Box 10443
Pittsburgh, PA 15234

Check type of mail or service

☐ Adult Signature Required	☐ Priority Mail Express
☐ Adult Signature Restricted Delivery	☐ Registered Mail
☐ Certified Mail	☐ Return Receipt for Merchandise
☐ Certified Mail Restricted Delivery	☐ Signature Confirmation
☐ Collect on Delivery (COD)	☐ Signature Confirmation Restricted Delivery
☐ Insured Mail	
☐ Priority Mail	

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ZIP 10199
0801 1053069

USPS Tracking/Article Number

Addressee (Name, Street, City, State, & ZIP Code™)

Postage

(Extra Service) Fee

Handling Charge

Actual Value if Registered

Insured Value

Due Sender if COD

ASR Fee

ASRD Fee

RD Fee

RR Fee

SC Fee

SCRD Fee

SH Fee

1. Current Occupant
51 Randolph, No. 1
Jersey City, N.J. 073052. Current Occupant
51 Randolph, No. 2
Jersey City, N.J. 073053. Current Occupant
50 Randolph, No. 1
Jersey City, N.J. 073054. Current Occupant
50 Randolph, No. 2
Jersey City, N.J. 073055. Current Occupant
52 Randolph, No. 1
Jersey City, N.J. 073056. Current Occupant
52 Randolph, No. 2
Jersey City, N.J. 073057. Current Occupant
54 Randolph, No. 1
Jersey City, N.J. 073058. Current Occupant
54 Randolph, No. 2
Jersey City, N.J. 07305

Total Number of Pieces Listed by Sender

8

Total Number of Pieces Received at Post Office

Postmaster, Per (Name of receiving employee)



Firm Mailing Book For Accountable Mail

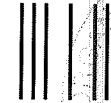
Name and Address of Sender
PPG Industries
PO Box 10443
Pittsburgh, PA 15234

Check type of mail or service

☐ Adult Signature Required	☐ Priority Mail Express
☐ Adult Signature Restricted Delivery	☐ Registered Mail
☐ Certified Mail	☐ Return Receipt for Merchandise
☐ Certified Mail Restricted Delivery	☐ Signature Confirmation
☐ Collect on Delivery (COD)	☐ Signature Confirmation Restricted Delivery
☐ Insured Mail	
☐ Priority Mail	

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USPS Tracking/Article Number	Addressee (Name, Street, City, State, & ZIP Code™)	Postage	(Extra Service) Fee	Handling Charge	Actual Value if Registered	Insured Value	Due Sender if COD	ASR Fee	ASRD Fee	RD Fee	RR Fee	SC Fee	SCRD Fee	SH Fee
1.	Current Occupant 56 Randolph, No. 1 Jersey City, N.J. 07305													
2.	Current Occupant 56 Randolph, No. 2 Jersey City, N.J. 07305													
3.	Current Occupant 58 Randolph, No. 1 Jersey City, N.J. 07305													
4.	Current Occupant 58 Randolph, No. 2 Jersey City, N.J. 07305													
5.	Current Occupant 55 Randolph, No. 1 Jersey City, N.J. 07305													
6.	Current Occupant 55 Randolph, No. 2 Jersey City, N.J. 07305													
7.	Current Occupant 57 Randolph, No. 1 Jersey City, N.J. 07305													
8.	Current Occupant 57 Randolph, No. 2 Jersey City, N.J. 07305													
Total Number of Pieces Listed by Sender 8	Total Number of Pieces Received at Post Office 8	Postmaster, Per (Name of receiving employee)												



Name and Address of Sender
PPG Industries
PO Box 10443
Pittsburgh, PA 15234

Check type of mail or service

☐ Adult Signature Required	☐ Priority Mail Express
☐ Adult Signature Restricted Delivery	☐ Registered Mail
☐ Certified Mail	☐ Return Receipt for Merchandise
☐ Certified Mail Restricted Delivery	☐ Signature Confirmation
☐ Collect on Delivery (COD)	☐ Signature Confirmation Restricted Delivery
☐ Insured Mail	
☐ Priority Mail	

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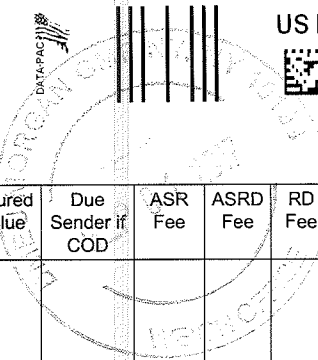


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USPS Tracking/Article Number	Addressee (Name, Street, City, State, & ZIP Code™)	Postage	(Extra Service) Fee	Handling Charge	Actual Value if Registered	Insured Value	Due Sender if COD	ASR Fee	ASRD Fee	RD Fee	RR Fee	SC Fee	SCRD Fee	SH Fee
1.	Current Occupant 60 Randolph, No. 1 Jersey City, N.J. 07305													
2.	Current Occupant 60 Randolph, No. 2 Jersey City, N.J. 07305													
3.	Current Occupant 60 Randolph, No. 3 Jersey City, N.J. 07305													
4.	Current Occupant 60 Randolph, No. 4 Jersey City, N.J. 07305													
5.	Current Occupant 60 Randolph, No. 5 Jersey City, N.J. 07305													
6.	Current Occupant 60 Randolph, No. 6 Jersey City, N.J. 07305													
7.	Current Occupant 62 Randolph, No. 1 Jersey City, N.J. 07305													
8.	Current Occupant 62 Randolph, No. 2 Jersey City, N.J. 07305													
Total Number of Pieces Listed by Sender 8	Total Number of Pieces Received at Post Office 8	Postmaster, Per (Name of receiving employee)												



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Name and Address of Sender PPG Industries PO Box 10443 Pittsburgh, PA 15234		Check type of mail or service ☐ Adult Signature Required ☐ Priority Mail Express ☐ Adult Signature Restricted Delivery ☐ Registered Mail ☐ Certified Mail ☐ Return Receipt for Merchandise ☐ Certified Mail Restricted Delivery ☐ Signature Confirmation ☐ Collect on Delivery (COD) ☐ Signature Confirmation Restricted Delivery ☐ Insured Mail ☐ Priority Mail		Affix Stamp Here (if issued as an internal certificate of mailing or additional copies of this Postmark with Date)		 US POSTAGE \$03.12⁰  SEP 01 2017 ZIP 10199 0801 1053069									
USPS Tracking/Article Number	Addressee (Name, Street, City, State, & ZIP Code™)	Postage	(Extra Service) Fee	Handling Charge	Actual Value if Registered	Insured Value	Due Sender if COD	ASR Fee	ASRD Fee	RD Fee	RR Fee	SC Fee	SCRD Fee	SH Fee	
1.	Current Occupant 65 Randolph, No. 1 Jersey City, N.J. 07305														
2.	Current Occupant 65 Randolph, No. 2 Jersey City, N.J. 07305														
3.	Current Occupant 65 Randolph, No. 3 Jersey City, N.J. 07305														
4.	Current Occupant 65 Randolph, No. 4 Jersey City, N.J. 07305														
5.	Current Occupant 65 Randolph, No. 5 Jersey City, N.J. 07305														
6.	Current Occupant 68 Randolph, No. 1 Jersey City, N.J. 07305														
7.	Current Occupant 68 Randolph, No. 2 Jersey City, N.J. 07305														
8.	Current Occupant 66 Randolph, No. 1 Jersey City, N.J. 07305														
Total Number of Pieces Listed by Sender 8	Total Number of Pieces Received at Post Office 8	Postmaster, Per (Name of receiving employee)													



Firm Mailing Book For Accountable Mail

Name and Address of Sender
PPG Industries
PO Box 10443
Pittsburgh, PA 15234

Check type of mail or service

☐ Adult Signature Required	☐ Priority Mail Express
☐ Adult Signature Restricted Delivery	☐ Registered Mail
☐ Certified Mail	☐ Return Receipt for Merchandise
☐ Certified Mail Restricted Delivery	☐ Signature Confirmation
☐ Collect on Delivery (COD)	☐ Signature Confirmation Restricted Delivery
☐ Insured Mail	
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USPS Tracking/Article Number	Addressee (Name, Street, City, State, & ZIP Code™)	Postage	(Extra Service) Fee	Handling Charge	Actual Value if Registered	Insured Value	Due Sender if COD	ASR Fee	ASRD Fee	RD Fee	RR Fee	SC Fee	SCRD Fee	SH Fee
1.	Current Occupant 66 Randolph, No. 2 Jersey City, N.J. 07305													
2.	Current Occupant 64 Randolph, No. 1 Jersey City, N.J. 07305													
3.	Current Occupant 64 Randolph, No. 2 Jersey City, N.J. 07305													
4.	Current Occupant 69 Randolph, No. 1 Jersey City, N.J. 07305													
5.	Current Occupant 69 Randolph, No. 2 Jersey City, N.J. 07305													
6.	Current Occupant 70 Randolph, No. 1 Jersey City, N.J. 07305													
7.	Current Occupant 70 Randolph, No. 2 Jersey City, N.J. 07305													
8.	Current Occupant 71 Randolph, No. 1 Jersey City, N.J. 07305													
Total Number of Pieces Listed by Sender 8	Total Number of Pieces Received at Post Office 8	Postmaster, Per (Name of receiving employee)												



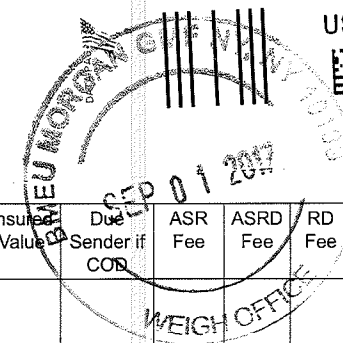
Firm Mailing Book For Accountable Mail

Name and Address of Sender
PPG Industries
PO Box 10443
Pittsburgh, PA 15234

- Check type of mail or service
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|--|---|
| ☐ Adult Signature Required | ☐ Priority Mail Express |
| ☐ Adult Signature Restricted Delivery | ☐ Registered Mail |
| ☐ Certified Mail | ☐ Return Receipt for Merchandise |
| ☐ Certified Mail Restricted Delivery | ☐ Signature Confirmation |
| ☐ Collect on Delivery (COD) | ☐ Signature Confirmation Restricted Delivery |
| ☐ Insured Mail | |
| ☐ Priority Mail | |

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ZIP 10199
0801 1053069



USPS Tracking/Article Number	Addressee (Name, Street, City, State, & ZIP Code™)	Postage	(Extra Service) Fee	Handling Charge	Actual Value if Registered	Insured Value	Due to Sender if COD	ASR Fee	ASRD Fee	RD Fee	RR Fee	SC Fee	SCRD Fee	SH Fee
1.	Current Occupant 71 Randolph, No. 2 Jersey City, N.J. 07305													
2.	Current Occupant 71 Randolph, No. 3 Jersey City, N.J. 07305													
3.	Current Occupant 71 Randolph, No. 4 Jersey City, N.J. 07305													
4.	Current Occupant 72 Randolph, No. 1 Jersey City, N.J. 07305													
5.	Current Occupant 72 Randolph, No. 2 Jersey City, N.J. 07305													
6.	Current Occupant 74 Randolph, No. 1 Jersey City, N.J. 07305													
7.	Current Occupant 74 Randolph, No. 2 Jersey City, N.J. 07305													
8.	Current Occupant 75 Randolph, No. 2 Jersey City, N.J. 07305													
Total Number of Pieces Listed by Sender 8	Total Number of Pieces Received at Post Office 8	Postmaster, Per (Name of receiving employee)												

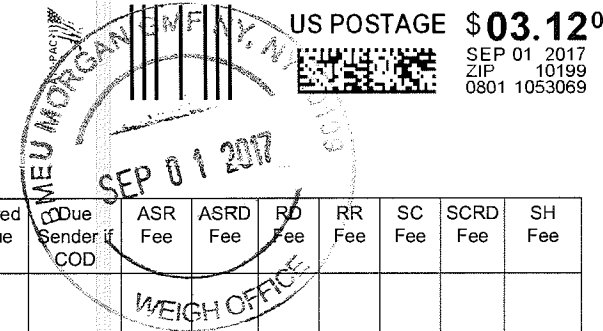


Name and Address of Sender
PPG Industries
PO Box 10443
Pittsburgh, PA 15234

Check type of mail or service

☐ Adult Signature Required	☐ Priority Mail Express
☐ Adult Signature Restricted Delivery	☐ Registered Mail
☐ Certified Mail	☐ Return Receipt for Merchandise
☐ Certified Mail Restricted Delivery	☐ Signature Confirmation
☐ Collect on Delivery (COD)	☐ Signature Confirmation Restricted Delivery
☐ Insured Mail	
☐ Priority Mail	

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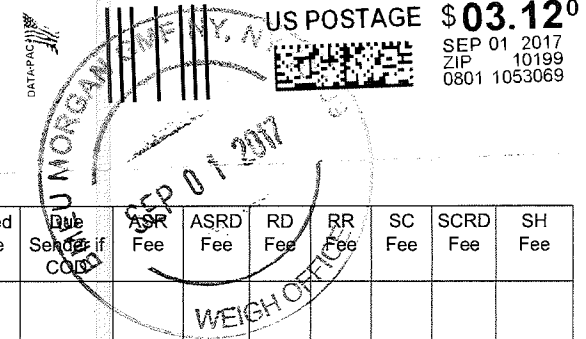


USPS Tracking/Article Number	Addressee (Name, Street, City, State, & ZIP Code™)	Postage	(Extra Service) Fee	Handling Charge	Actual Value if Registered	Insured Value	Due Sender if COD	ASR Fee	ASRD Fee	RD Fee	RR Fee	SC Fee	SCRD Fee	SH Fee
1.	Current Occupant 75 Randolph, No. 1 Jersey City, N.J. 07305													
2.	Current Occupant 76 Randolph, No. 2 Jersey City, N.J. 07305													
3.	Current Occupant 76 Randolph, No. 1 Jersey City, N.J. 07305													
4.	Current Occupant 78 Randolph, No. 1 Jersey City, N.J. 07305													
5.	Current Occupant 78 Randolph, No. 2 Jersey City, N.J. 07305													
6.	Current Occupant 80 Randolph, No. 1 Jersey City, N.J. 07305													
7.	Current Occupant 80 Randolph, No. 2 Jersey City, N.J. 07305													
8.	Current Occupant 77 Randolph, No. 1 Jersey City, N.J. 07305													
Total Number of Pieces Listed by Sender 8	Total Number of Pieces Received at Post Office 8	Postmaster, Per (Name of receiving employee)												

Address of Sender
Industries
PO Box 10443
Pittsburgh, PA 15234

- Check type of mail or service
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| ☐ Adult Signature Required | ☐ Priority Mail Express |
| ☐ Adult Signature Restricted Delivery | ☐ Registered Mail |
| ☐ Certified Mail | ☐ Return Receipt for Merchandise |
| ☐ Certified Mail Restricted Delivery | ☐ Signature Confirmation |
| ☐ Collect on Delivery (COD) | ☐ Signature Confirmation Restricted Delivery |
| ☐ Insured Mail | |
| ☐ Priority Mail | |

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USPS Tracking/Article Number	Addressee (Name, Street, City, State, & ZIP Code™)	Postage	(Extra Service) Fee	Handling Charge	Actual Value if Registered	Insured Value	Due Sender if COD	ASR Fee	ASRD Fee	RD Fee	RR Fee	SC Fee	SCRD Fee	SH Fee
1.	Current Occupant 77 Randolph Avenue Jersey City, NJ 07304													
2.	Corniel, Junior & Tejeda, Jezmin Or Current Occupant, 75 Randolph Ave. Jersey City, NJ 07305													
3.	350 Randolph, L.L.C. 336 St. Pauls Avenue Jersey City, NJ 07306													
4.	Current Occupant 73 Randolph Avenue Jersey City, NJ 07304													
5.	Perez, George P. O. Box 5222 Jersey City, NJ 07305													
6.	Current Occupant 71 Randolph Avenue Jersey City, NJ 07304													
7.	Perez, George & Leticia P. O. Box 5222 Jersey City, NJ 07305													
8.	Current Occupant 69 Randolph Avenue Jersey City, NJ 07304													
Total Number of Pieces Listed by Sender 8	Total Number of Pieces Received at Post Office 8	Postmaster, Per (Name of receiving employee)												



Firm Mailing Book For Accountable Mail

Name and Address of Sender

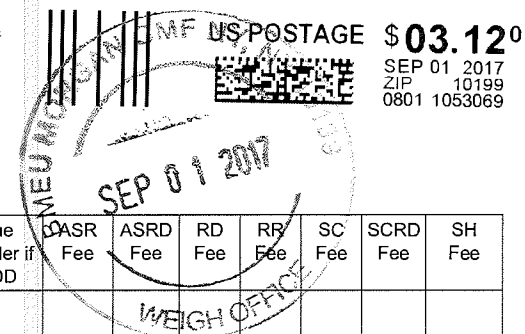
PPG Industries
PO Box 10443
Pittsburgh, PA 15234

Check type of mail or service

☐ Adult Signature Required	☐ Priority Mail
☐ Adult Signature Restricted Delivery	☐ Registered Mail
☐ Certified Mail	☐ Return Receipt for Merchandise
☐ Certified Mail Restricted Delivery	☐ Signature Confirmation
☐ Collect on Delivery (COD)	☐ Signature Confirmation Restricted Delivery
☐ Insured Mail	
☐ Priority Mail	

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USPS Tracking/Article Number	Addressee (Name, Street, City, State, & ZIP Code™)	Postage	(Extra Service) Fee	Handling Charge	Actual Value if Registered	Insured Value	Due Sender if COD	ASR Fee	ASRD Fee	RD Fee	RR Fee	SC Fee	SCRD Fee	SH Fee
1.	Current Occupant 326 Randolph, No. 2 Jersey City, N.J. 07305													
2.	Current Occupant 326 Randolph, No. 3 Jersey City, N.J. 07305													
3.	Current Occupant 326 Randolph, No. 4 Jersey City, N.J. 07305													
4.	Current Occupant 326 Randolph, No. 5 Jersey City, N.J. 07305													
5.	Current Occupant 328 Randolph, No. 1 Jersey City, N.J. 07305													
6.	Current Occupant 328 Randolph, No. 2 Jersey City, N.J. 07305													
7.	Current Occupant 236 Randolph, No. 1 Jersey City, N.J. 07305													
8.	Current Occupant 236 Randolph, No. 2 Jersey City, N.J. 07305													
Total Number of Pieces Listed by Sender 8	Total Number of Pieces Received at Post Office 8	Postmaster, Per (Name of receiving employee)												



Firm Mailing Book For Accountable Mail

Name and Address of Sender
PPG Industries
PO Box 10443
Pittsburgh, PA 15234

Check type of mail or service

☐ Adult Signature Required	☐ Priority Mail Express
☐ Adult Signature Restricted Delivery	☐ Registered Mail
☐ Certified Mail	☐ Return Receipt for Merchandise
☐ Certified Mail Restricted Delivery	☐ Signature Confirmation
☐ Collect on Delivery (COD)	☐ Signature Confirmation Restricted Delivery
☐ Insured Mail	
☐ Priority Mail	

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SEP 01 2017
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0801 1053069

USPS Tracking/Article Number	Addressee (Name, Street, City, State, & ZIP Code™)	Postage	(Extra Service) Fee	Handling Charge	Actual Value if Registered	Insured Value	Due Sender if COD	ASR Fee	ASRD Fee	RD Fee	RR Fee	SC Fee	SCRD Fee	SH Fee
1.	Current Occupant 276 Randolph, No. 1 Jersey City, N.J. 07305													
2.	Current Occupant 276 Randolph, No. 2 Jersey City, N.J. 07305													
3.	Current Occupant 280 Randolph, No. 1 Jersey City, N.J. 07305													
4.	Current Occupant 280 Randolph, No. 2 Jersey City, N.J. 07305													
5.	Current Occupant 282 Randolph, No. 1 Jersey City, N.J. 07305													
6.	Current Occupant 282 Randolph, No. 2 Jersey City, N.J. 07305													
7.	Current Occupant 284 Randolph, No. 1 Jersey City, N.J. 07305													
8.	Current Occupant 284 Randolph, No. 2 Jersey City, N.J. 07305													
Total Number of Pieces Listed by Sender 8	Total Number of Pieces Received at Post Office 8	Postmaster, Per (Name of receiving employee)												



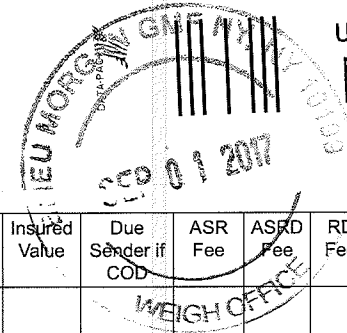
Firm Mailing Book For Accountable Mail

Name and Address of Sender
PPG Industries
PO Box 10443
Pittsburgh, PA 15234

Check type of mail or service

☐ Adult Signature Required	☐ Priority Mail Express
☐ Adult Signature Restricted Delivery	☐ Registered Mail
☐ Certified Mail	☐ Return Receipt for Merchandise
☐ Certified Mail Restricted Delivery	☐ Signature Confirmation
☐ Collect on Delivery (COD)	☐ Signature Confirmation Restricted Delivery
☐ Insured Mail	
☐ Priority Mail	

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0801 1053069

USPS Tracking/Article Number	Addressee (Name, Street, City, State, & ZIP Code™)	Postage	(Extra Service) Fee	Handling Charge	Actual Value if Registered	Insured Value	Due Sender if COD	ASR Fee	ASRD Fee	RD Fee	RR Fee	SC Fee	SCRD Fee	SH Fee
1.	Current Occupant 288 Randolph, No. 1 Jersey City, N.J. 07305													
2.	Current Occupant 288 Randolph, No. 2 Jersey City, N.J. 07305													
3.	Current Occupant 292 Randolph, No. 1 Jersey City, N.J. 07305													
4.	Current Occupant 292 Randolph, No. 2 Jersey City, N.J. 07305													
5.	Current Occupant 294 Randolph, No. 1 Jersey City, N.J. 07305													
6.	Current Occupant 294 Randolph, No. 2 Jersey City, N.J. 07305													
7.	Current Occupant 296 Randolph, No. 1 Jersey City, N.J. 07305													
8.	Current Occupant 296 Randolph, No. 2 Jersey City, N.J. 07305													
Total Number of Pieces Listed by Sender 8	Total Number of Pieces Received at Post Office 8	Postmaster, Per (Name of receiving employee) <i>[Signature]</i>												



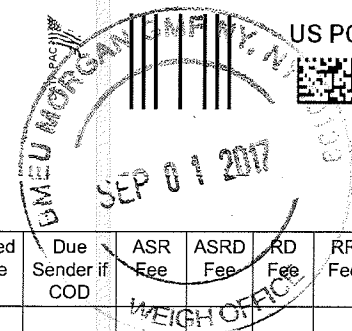
Firm Mailing Book For Accountable Mail

Name and Address of Sender
PPG Industries
PO Box 10443
Pittsburgh, PA 15234

Check type of mail or service

☐ Adult Signature Required	☐ Priority Mail Express
☐ Adult Signature Restricted Delivery	☐ Registered Mail
☐ Certified Mail	☐ Return Receipt for Merchandise
☐ Certified Mail Restricted Delivery	☐ Signature Confirmation
☐ Collect on Delivery (COD)	☐ Signature Confirmation Restricted Delivery
☐ Insured Mail	
☐ Priority Mail	

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0801 1053069

USPS Tracking/Article Number	Addressee (Name, Street, City, State, & ZIP Code™)	Postage	(Extra Service) Fee	Handling Charge	Actual Value if Registered	Insured Value	Due Sender if COD	ASR Fee	ASRD Fee	RD Fee	RR Fee	SC Fee	SCRD Fee	SH Fee
1.	Current Occupant 298 Randolph, No. 1 Jersey City, N.J. 07305													
2.	Current Occupant 298 Randolph, No. 2 Jersey City, N.J. 07305													
3.	Current Occupant 304 Randolph, No. 1 Jersey City, N.J. 07305													
4.	Current Occupant 304 Randolph, No. 2 Jersey City, N.J. 07305													
5.	Current Occupant 312 Randolph, No. 1 Jersey City, N.J. 07305													
6.	Current Occupant 312 Randolph, No. 2 Jersey City, N.J. 07305													
7.	Current Occupant 314 Randolph, No. 1 Jersey City, N.J. 07305													
8.	Current Occupant 314 Randolph, No. 2 Jersey City, N.J. 07305													
Total Number of Pieces Listed by Sender 8	Total Number of Pieces Received at Post Office 8	Postmaster, Per (Name of receiving employee)												



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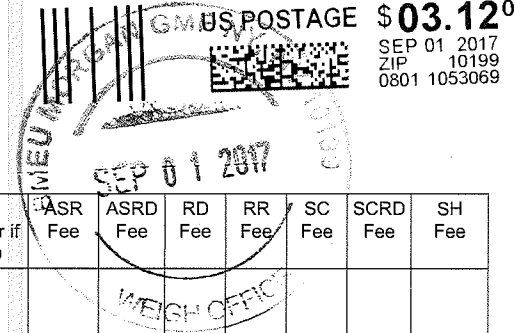
Name and Address of Sender
PPG Industries
PO Box 10443
Pittsburgh, PA 15234

Check type of mail or service

☐ Adult Signature Required	☐ Priority Mail Express
☐ Adult Signature Restricted Delivery	☐ Registered Mail
☐ Certified Mail	☐ Return Receipt for Merchandise
☐ Certified Mail Restricted Delivery	☐ Signature Confirmation
☐ Collect on Delivery (COD)	☐ Signature Confirmation Restricted Delivery
☐ Insured Mail	
☐ Priority Mail	

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USPS Tracking/Article Number	Addressee (Name, Street, City, State, & ZIP Code™)	Postage	(Extra Service) Fee	Handling Charge	Actual Value if Registered	Insured Value	Due Sender if COD	ASR Fee	ASRD Fee	RD Fee	RR Fee	SC Fee	SCRD Fee	SH Fee
1.	Current Occupant 318 Randolph, No. 1 Jersey City, N.J. 07305													
2.	Current Occupant 318 Randolph, No. 2 Jersey City, N.J. 07305													
3.	Current Occupant 332 Randolph, No. 1 Jersey City, N.J. 07305													
4.	Current Occupant 332 Randolph, No. 2 Jersey City, N.J. 07305													
5.	Current Occupant 334 Randolph, No. 1 Jersey City, N.J. 07305													
6.	Current Occupant 334 Randolph, No. 2 Jersey City, N.J. 07305													
7.	Current Occupant 336 Randolph, No. 1 Jersey City, N.J. 07305													
8.	Current Occupant 336 Randolph, No. 2 Jersey City, N.J. 07305													
Total Number of Pieces Listed by Sender 8	Total Number of Pieces Received at Post Office 8	Postmaster, Per (Name of receiving employee)												

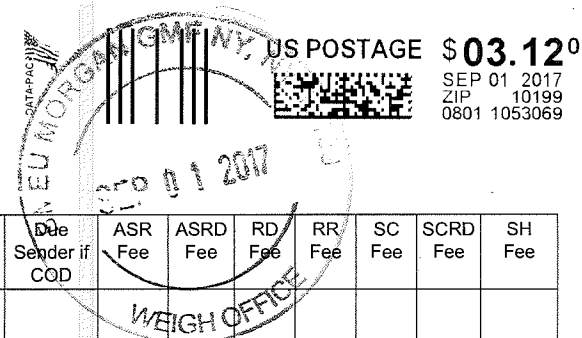


Name and Address of Sender
PPG Industries
PO Box 10443
Pittsburgh, PA 15234

Check type of mail or service

☐ Adult Signature Required	☐ Priority Mail Express
☐ Adult Signature Restricted Delivery	☐ Registered Mail
☐ Certified Mail	☐ Return Receipt for Merchandise
☐ Certified Mail Restricted Delivery	☐ Signature Confirmation
☐ Collect on Delivery (COD)	☐ Signature Confirmation Restricted Delivery
☐ Insured Mail	
☐ Priority Mail	

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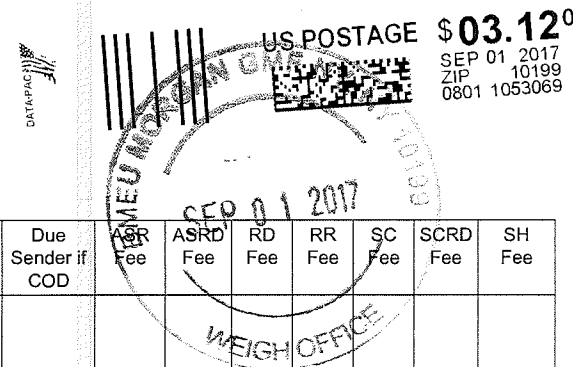


USPS Tracking/Article Number	Addressee (Name, Street, City, State, & ZIP Code™)	Postage	(Extra Service) Fee	Handling Charge	Actual Value if Registered	Insured Value	De Sender if COD	ASR Fee	ASRD Fee	RD Fee	RR Fee	SC Fee	SCRD Fee	SH Fee
1.	Current Occupant 338 Randolph, No. 1 Jersey City, N.J. 07305													
2.	Current Occupant 338 Randolph, No. 2 Jersey City, N.J. 07305													
3.	Current Occupant 340 Randolph, No. 1 Jersey City, N.J. 07305													
4.	Current Occupant 340 Randolph, No. 2 Jersey City, N.J. 07305													
5.	Current Occupant 348 Randolph, No. 1 Jersey City, N.J. 07305													
6.	Current Occupant 348 Randolph, No. 2 Jersey City, N.J. 07305													
7.	Current Occupant 352 Randolph, No. 1 Jersey City, N.J. 07305													
8.	Current Occupant 352 Randolph, No. 2 Jersey City, N.J. 07305													
Total Number of Pieces Listed by Sender 8	Total Number of Pieces Received at Post Office	Postmaster, Per (Name of receiving employee)												



Firm Mailing Book For Accountable Mail

Name and Address of Sender PPG Industries PO Box 10443 Pittsburgh, PA 15234		Check type of mail or service ☐ Adult Signature Required ☐ Priority Mail Express ☐ Adult Signature Restricted Delivery ☐ Registered Mail ☐ Certified Mail ☐ Return Receipt for Merchandise ☐ Certified Mail Restricted Delivery ☐ Signature Confirmation ☐ Collect on Delivery (COD) ☐ Signature Confirmation Restricted Delivery ☐ Insured Mail ☐ Priority Mail		Affix Stamp Here (if issued as an international certificate of mailing or for additional copies of this form) Postmark with Date of Filing												
USPS Tracking/Article Number	Addressee (Name, Street, City, State, & ZIP Code™)	Postage	(Extra Service) Fee	Handling Charge	Actual Value if Registered	Insured Value	Due Sender if COD	ASR Fee	ASRD Fee	RD Fee	RR Fee	SC Fee	SCRD Fee	SH Fee		
1.	Current Occupant 360 Randolph, No. A1 Jersey City, N.J. 07305															
2.	Current Occupant 360 Randolph, No. A2 Jersey City, N.J. 07305															
3.	Current Occupant 364 Randolph, No. 1 Jersey City, N.J. 07305															
4.	Current Occupant 364 Randolph, No. 2 Jersey City, N.J. 07305															
5.	Current Occupant 366 Randolph, No. 1 Jersey City, N.J. 07305															
6.	Current Occupant 366 Randolph, No. 2 Jersey City, N.J. 07305															
7.	Current Occupant 23 Randolph, No. 1 Jersey City, N.J. 07305															
8.	Current Occupant 23 Randolph, No. 2 Jersey City, N.J. 07305															
Total Number of Pieces Listed by Sender 8	Total Number of Pieces Received at Post Office 8	Postmaster, Per (Name of receiving employee)														





Firm Mailing Book For Accountable Mail

Name and Address of Sender
PPG Industries
PO Box 10443
Pittsburgh, PA 15234

Check type of mail or service
☐ Adult Signature Required ☐ Priority Mail Express
☐ Adult Signature Restricted Delivery ☐ Registered Mail
☐ Certified Mail ☐ Return Receipt for Merchandise
☐ Certified Mail Restricted Delivery ☐ Signature Confirmation
☐ Collect on Delivery (COD) ☐ Signature Confirmation Restricted Delivery
☐ Insured Mail
☐ Priority Mail

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ZIP 10199
0801 1053069

USPS Tracking/Article Number	Addressee (Name, Street, City, State, & ZIP Code™)	Postage	(Extra Service) Fee	Handling Charge	Actual Value if Registered	Insured Value	Due Sender if COD	ASR Fee	ASRD Fee	RD Fee	RR Fee	SC Fee	SCRD Fee	SH Fee
1.	Current Occupant 1007 Garfield Ave., No. 1 Jersey City, N.J. 07304													
2.	Current Occupant 1007 Garfield Ave., No. 2 Jersey City, N.J. 07304													
3.	Current Occupant 1007 Garfield Ave., No. 3 Jersey City, N.J. 07304													
4.	Current Occupant 1005 Garfield Ave., No. 1 Jersey City, N.J. 07304													
5.	Current Occupant 1005 Garfield Ave., No. 2 Jersey City, N.J. 07304													
6.	Current Occupant 1003 Garfield Ave., No. 1 Jersey City, N.J. 07304													
7.	Current Occupant 1003 Garfield Ave., No. 2 Jersey City, N.J. 07304													
8.	Current Occupant 1001 Garfield Ave., No. 1 Jersey City, N.J. 07304													
Total Number of Pieces Listed by Sender 8	Total Number of Pieces Received at Post Office	Rostmaster, Per (Name of receiving employee) 												



Name and Address of Sender
PPG Industries
PO Box 10443
Pittsburgh, PA 15234

Check type of mail or service

☐ Adult Signature Required	☐ Priority Mail Express
☐ Adult Signature Restricted Delivery	☐ Registered Mail
☐ Certified Mail	☐ Return Receipt for Merchandise
☐ Certified Mail Restricted Delivery	☐ Signature Confirmation
☐ Collect on Delivery (COD)	☐ Signature Confirmation Restricted Delivery
☐ Insured Mail	
☐ Priority Mail	

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US POSTAGE \$02.73⁰
SEP 01 2017
ZIP 10199
0801 1053069

USPS Tracking/Article Number	Addressee (Name, Street, City, State, & ZIP Code™)	Postage	(Extra Service) Fee	Handling Charge	Actual Value if Registered	Insured Value	Decl. Sender if COD	ASR Fee	ASRD Fee	RD Fee	RR Fee	SC Fee	SCRD Fee	SH Fee
1.	Current Occupant 1001 Garfield Ave., No. 2 Jersey City, N.J. 07304													
2.	Current Occupant 754 Garfield Ave., No. 1 Jersey City, N.J. 07304													
3.	Current Occupant 754 Garfield Ave., No. 2 Jersey City, N.J. 07304													
4.	Current Occupant 750 Garfield Ave., No. 1 Jersey City, N.J. 07304													
5.	Current Occupant 750 Garfield Ave., No. 2 Jersey City, N.J. 07304													
6.	Current Occupant 746 Garfield Ave., No. 1 Jersey City, N.J. 07304													
7.	Current Occupant 746 Garfield Ave., No. 2 Jersey City, N.J. 07304													
8.	Current Occupant 742 Garfield Ave., No. 1 Jersey City, N.J. 07304													
Total Number of Pieces Listed by Sender	Total Number of Pieces Received at Post Office	Postmaster, Per (Name of receiving employee)												

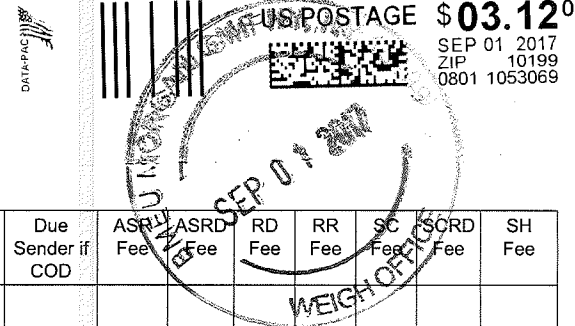


Firm Mailing Book For Accountable Mail

Name and Address of Sender
PPG Industries
PO Box 10443
Pittsburgh, PA 15234

- Check type of mail or service
- | | |
|--|---|
| ☐ Adult Signature Required | ☐ Priority Mail Express |
| ☐ Adult Signature Restricted Delivery | ☐ Registered Mail |
| ☐ Certified Mail | ☐ Return Receipt for Merchandise |
| ☐ Certified Mail Restricted Delivery | ☐ Signature Confirmation |
| ☐ Collect on Delivery (COD) | ☐ Signature Confirmation Restricted Delivery |
| ☐ Insured Mail | |
| ☐ Priority Mail | |

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USPS Tracking/Article Number	Addressee (Name, Street, City, State, & ZIP Code™)	Postage	(Extra Service) Fee	Handling Charge	Actual Value if Registered	Insured Value	Due Sender if COD	ASR Fee	ASRD Fee	RD Fee	RR Fee	SC Fee	SCRD Fee	SH Fee
1.	Current Occupant 742 Garfield Ave., No. 2 Jersey City, N.J. 07304													
2.	Current Occupant 740 Garfield Ave., No. 1 Jersey City, N.J. 07304													
3.	Current Occupant 740 Garfield Ave., No. 2 Jersey City, N.J. 07304													
4.	Current Occupant 734 Garfield Ave., No. 1 Jersey City, N.J. 07304													
5.	Current Occupant 734 Garfield Ave., No. 2 Jersey City, N.J. 07304													
6.	Current Occupant 730 Garfield Ave., No. 1 Jersey City, N.J. 07304													
7.	Current Occupant 730 Garfield Ave., No. 2 Jersey City, N.J. 07304													
8.	Current Occupant 722 Garfield Ave., No. 1 Jersey City, N.J. 07304													
Total Number of Pieces Listed by Sender 8	Total Number of Pieces Received at Post Office 8	Postmaster, Per (Name of receiving employee)												



Firm Mailing Book For Accountable Mail

Name and Address of Sender PPG Industries PO Box 10443 Pittsburgh, PA 15234		Check type of mail or service ☐ Adult Signature Required ☐ Priority Mail Express ☐ Adult Signature Restricted Delivery ☐ Registered Mail ☐ Certified Mail ☐ Return Receipt for Merchandise ☐ Certified Mail Restricted Delivery ☐ Signature Confirmation ☐ Collect on Delivery (COD) ☐ Signature Confirmation Restricted Delivery ☐ Insured Mail ☐ Priority Mail		Affix Stamp Here (if issued as an international certificate of mailing or for additional copies of this rate Postmark with Date of R											
USPS Tracking/Article Number	Addressee (Name, Street, City, State, & ZIP Code™)	Postage	(Extra Service) Fee	Handling Charge	Actual Value if Registered	Insured Value	Decl. Sender's COD	ASR Fee	ASRD Fee	RD Fee	RR Fee	SC Fee	SCRD Fee	SH Fee	
1.	Current Occupant 722 Garfield Ave., No. 2 Jersey City, N.J. 07304														
2.	Current Occupant 718 Garfield Ave., No. 1 Jersey City, N.J. 07304														
3.	Current Occupant 718 Garfield Ave., No. 2 Jersey City, N.J. 07304														
4.	Current Occupant 712 Garfield Ave., No. 1 Jersey City, N.J. 07304														
5.	Current Occupant 712 Garfield Ave., No. 2 Jersey City, N.J. 07304														
6.	Marcos Tire Service 1046 Garfield Ave. Jersey City, N.J. 07304														
7.	Current Occupant 1052 Garfield Ave., No. 1 Jersey City, N.J. 07304														
8.	Current Occupant 1052 Garfield Ave., No. 2 Jersey City, N.J. 07304														
Total Number of Pieces Listed by Sender 8	Total Number of Pieces Received at Post Office 8	Postmaster, Per (Name of receiving employee)													



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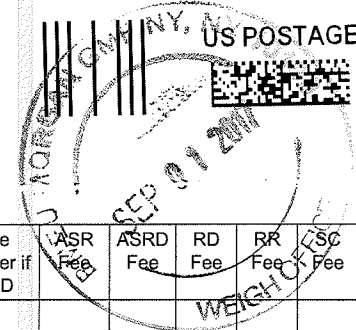
Name and Address of Sender
PPG Industries
PO Box 10443
Pittsburgh, PA 15234

Check type of mail or service

☐ Adult Signature Required	☐ Priority Mail Express
☐ Adult Signature Restricted Delivery	☐ Registered Mail
☐ Certified Mail	☐ Return Receipt for Merchandise
☐ Certified Mail Restricted Delivery	☐ Signature Confirmation
☐ Collect on Delivery (COD)	☐ Signature Confirmation Restricted Delivery
☐ Insured Mail	
☐ Priority Mail	

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USPS Tracking/Article Number	Addressee (Name, Street, City, State, & ZIP Code™)	Postage	(Extra Service) Fee	Handling Charge	Actual Value if Registered	Insured Value	Due Sender if COD	ASR Fee	ASRD Fee	RD Fee	RR Fee	LSC Fee	SCRD Fee	SH Fee
1.	Current Occupant 1052 Garfield Ave., No. 3 Jersey City, N.J. 07304													
2.	Current Occupant 1052 Garfield Ave., No. 4 Jersey City, N.J. 07304													
3.	Ray's Tire Shop 1069 Garfield Ave. Jersey City, N.J. 07304													
4.	Current Occupant 487 Communipaw Ave., No. 1 Jersey City, N.J. 07304													
5.	Current Occupant 487 Communipaw Ave., No. 2 Jersey City, N.J. 07304													
6.	Current Occupant 485 Communipaw Ave., No. 1 Jersey City, N.J. 07304													
7.	Current Occupant 485 Communipaw Ave., No. 2 Jersey City, N.J. 07304													
8.	Current Occupant 438 Communipaw Ave., No. 1 Jersey City, N.J. 07304													
Total Number of Pieces Listed by Sender 8	Total Number of Pieces Received at Post Office 8	Postmaster, Per (Name of receiving employee)												



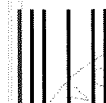
Name and Address of Sender
PPG Industries
PO Box 10443
Pittsburgh, PA 15234

Check type of mail or service

☐ Adult Signature Required	☐ Priority Mail Express
☐ Adult Signature Restricted Delivery	☐ Registered Mail
☐ Certified Mail	☐ Return Receipt for Merchandise
☐ Certified Mail Restricted Delivery	☐ Signature Confirmation
☐ Collect on Delivery (COD)	☐ Signature Confirmation Restricted Delivery
☐ Insured Mail	
☐ Priority Mail	

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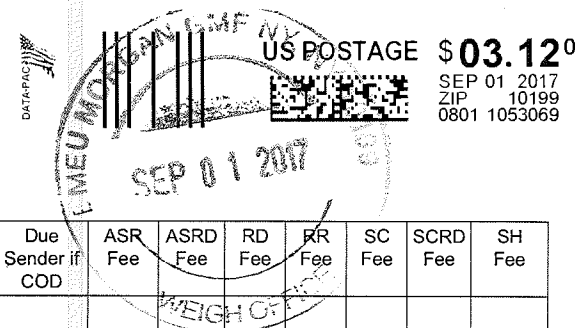
US POSTAGE \$03.12⁰SEP 01 2017
ZIP 10199
0801 1053069

USPS Tracking/Article Number	Addressee (Name, Street, City, State, & ZIP Code™)	Postage	(Extra Service) Fee	Handling Charge	Actual Value if Registered	Insured Value	Due Sender if COD	ASR Fee	ASRD Fee	RD Fee	RR Fee	SC Fee	SCRD Fee	SH Fee
1.	Current Occupant 438 Communipaw Ave., No. 2 Jersey City, N.J. 07304													
2.	Current Occupant 481 Communipaw Ave., No. 1 Jersey City, N.J. 07304													
3.	Current Occupant 481 Communipaw Ave., No. 2 Jersey City, N.J. 07304													
4.	Current Occupant 431 Bramhall Ave., No. 1 Jersey City, N.J. 07304													
5.	Current Occupant 431 Bramhall Ave., No. 2 Jersey City, N.J. 07304													
6.	Current Occupant 433 Bramhall Ave., No. 1 Jersey City, N.J. 07304													
7.	Current Occupant 433 Bramhall Ave., No. 2 Jersey City, N.J. 07304 C													
8.	urrent Occupant 437 Bramhall Ave., No. 1 Jersey City, N.J. 07304													
Total Number of Pieces Listed by Sender 8	Total Number of Pieces Received at Post Office 8	Postmaster, Per (Name of receiving employee)												



Check type of mail or service	
☐ Adult Signature Required	☐ Priority Mail Express
☐ Adult Signature Restricted Delivery	☐ Registered Mail
☐ Certified Mail	☐ Return Receipt for Merchandise
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☐ Insured Mail	
☐ Priority Mail	

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Firm Mailing Book For Accountable Mail

Name and Address of Sender
PPG Industries
PO Box 10443
Pittsburgh, PA 15234

- Check type of mail or service
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| ☐ Adult Signature Required | ☐ Priority Mail Express |
| ☐ Adult Signature Restricted Delivery | ☐ Registered Mail |
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1.	Current Occupant 86.5 Woodward St. Jersey City, N.J. 07304													
2.	Current Occupant 90 Woodward St. Jersey City, N.J. 07304													
3.	Current Occupant 90.5 Woodward St. Jersey City, N.J. 07304													
4.	Current Occupant 92 Woodward St. Jersey City, N.J. 07304													
5.	Current Occupant 92.5 Woodward St. Jersey City, N.J. 07304													
6.	Current Occupant 98 Woodward St. Jersey City, N.J. 07304													
7.	Current Occupant 98.5 Woodward St. Jersey City, N.J. 07304													
8.	Current Occupant 102 Woodward St. Jersey City, N.J. 07304													
Total Number of Pieces Listed by Sender 8	Total Number of Pieces Received at Post Office 8	Postmaster, Per (Name of receiving employee)												



Firm Mailing Book For Accountable Mail

Name and Address of Sender

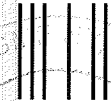
PPG Industries
PO Box 10443
Pittsburgh, PA 15234

Check type of mail or service

☐ Adult Signature Required	☐ Priority Mail Express
☐ Adult Signature Restricted Delivery	☐ Registered Mail
☐ Certified Mail	☐ Return Receipt for Merchandise
☐ Certified Mail Restricted Delivery	☐ Signature Confirmation
☐ Collect on Delivery (COD)	☐ Signature Confirmation Restricted Delivery
☐ Insured Mail	
☐ Priority Mail	

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0801 1053069

USPS Tracking/Article Number	Addressee (Name, Street, City, State, & ZIP Code™)	Postage	(Extra Service) Fee	Handling Charge	Actual Value if Registered	Insured Value	Due Sender if COD	ASR Fee	ASRD Fee	RD Fee	RR Fee	SC Fee	SCRD Fee	SH Fee
1.	Current Occupant 102.5 Woodward St. Jersey City, N.J. 07304													
2.	Current Occupant 115 Carteret Ave., No. 1 Jersey City, N.J. 07305													
3.	Current Occupant 115 Carteret Ave., No. 2 Jersey City, N.J. 07305													
4.	Current Occupant 117 Carteret Ave., No. 1 Jersey City, N.J. 07305													
5.	Current Occupant 117 Carteret Ave., No. 2 Jersey City, N.J. 07305													
6.	Current Occupant 118 Carteret Ave., No. 1 Jersey City, N.J. 07305													
7.	Current Occupant 118 Carteret Ave., No. 2 Jersey City, N.J. 07305													
8.	Current Occupant 119 Carteret Ave., No. 1 Jersey City, N.J. 07305													
Total Number of Pieces Listed by Sender 8	Total Number of Pieces Received at Post Office 8	Postmaster, Per (Name of receiving employee)												

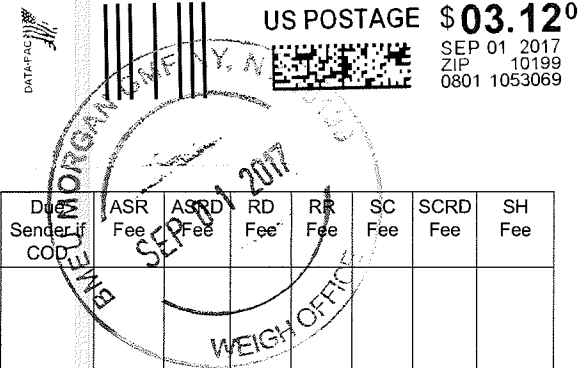


Firm Mailing Book For Accountable Mail

Name and Address of Sender
PPG Industries
PO Box 10443
Pittsburgh, PA 15234

- Check type of mail or service
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| ☐ Adult Signature Required | ☐ Priority Mail Express |
| ☐ Adult Signature Restricted Delivery | ☐ Registered Mail |
| ☐ Certified Mail | ☐ Return Receipt for Merchandise |
| ☐ Certified Mail Restricted Delivery | ☐ Signature Confirmation |
| ☐ Collect on Delivery (COD) | ☐ Signature Confirmation Restricted Delivery |
| ☐ Insured Mail | |
| ☐ Priority Mail | |

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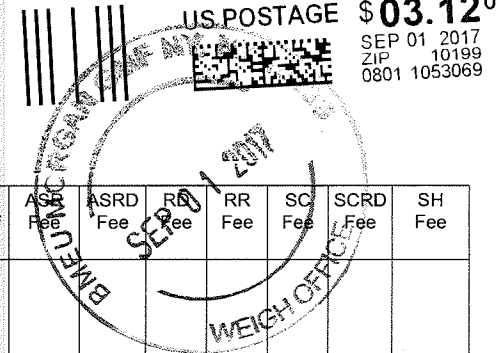


USPS Tracking/Article Number	Addressee (Name, Street, City, State, & ZIP Code™)	Postage	(Extra Service) Fee	Handling Charge	Actual Value if Registered	Insured Value	Declared Value	Sender's COD	ASR Fee	ASRD Fee	RD Fee	RR Fee	SC Fee	SCRD Fee	SH Fee
1.	Current Occupant 119 Carteret Ave., No. 2 Jersey City, N.J. 07305														
2.	Current Occupant 123 Carteret Ave., No. 1 Jersey City, N.J. 07305														
3.	Current Occupant 123 Carteret Ave., No. 2 Jersey City, N.J. 07305														
4.	Current Occupant 124 Carteret Ave., No. 1 Jersey City, N.J. 07305														
5.	Current Occupant 124 Carteret Ave., No. 2 Jersey City, N.J. 07305														
6.	Current Occupant 36 Claremont Ave., No. 1 Jersey City, N.J. 07305														
7.	Current Occupant 36 Claremont Ave., No. 2 Jersey City, N.J. 07305														
8.	Current Occupant 34 Claremont Ave., No. 1 Jersey City, N.J. 07305														
Total Number of Pieces Listed by Sender 8	Total Number of Pieces Received at Post Office 8	Postmaster, Per (Name of receiving employee)													



Check type of mail or service	
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USPS Tracking/Article Number		Addressee (Name, Street, City, State, & ZIP Code™)	Postage	(Extra Service) Fee	Handling Charge	Actual Value if Registered	Insured Value	Due Sender if COD	ASR Fee	SRD Fee	RR Fee	SC Fee	SCRD Fee	SH Fee
		Current Occupant 34 Claremont Ave., No. 2 Jersey City, N.J. 07305												
		Current Occupant 25 Claremont Ave., No. 1 Jersey City, N.J. 07305												
3.		Current Occupant 25 Claremont Ave., No. 2 Jersey City, N.J. 07305												
4.		Current Occupant 27 Claremont Ave., No. 1 Jersey City, N.J. 07305												
5.		Current Occupant 27 Claremont Ave., No. 2 Jersey City, N.J. 07305												
6.		Current Occupant 21 Claremont Ave., No. 1 Jersey City, N.J. 07305												
7.		Current Occupant 21 Claremont Ave., No. 2 Jersey City, N.J. 07305	/											
8.		Current Occupant 19 Claremont Ave., No. 1 Jersey City, N.J. 07305												
Total Number of Pieces Listed by Sender 8	Total Number of Pieces Received at Post Office 8	Postmaster, Per (Name of receiving employee)												



Firm Mailing Book For Accountable Mail

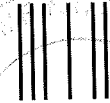
Name and Address of Sender
PPG Industries
PO Box 10443
Pittsburgh, PA 15234

Check type of mail or service

☐ Adult Signature Required	☐ Priority Mail Express
☐ Adult Signature Restricted Delivery	☐ Registered Mail
☐ Certified Mail	☐ Return Receipt for Merchandise
☐ Certified Mail Restricted Delivery	☐ Signature Confirmation
☐ Collect on Delivery (COD)	☐ Signature Confirmation Restricted Delivery
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☐ Priority Mail	

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1.	Current Occupant 19 Claremont Ave., No. 2 Jersey City, N.J. 07305													
2.	Current Occupant 15 Claremont Ave., No. 1 Jersey City, N.J. 07305													
3.	Current Occupant 15 Claremont Ave., No. 2 Jersey City, N.J. 07305													
4.	Current Occupant 12 Claremont Ave., No. 1 Jersey City, N.J. 07305													
5.	Current Occupant 12 Claremont Ave., No. 2 Jersey City, N.J. 07305													
6.	Current Occupant 11 Claremont Ave., No. 1 Jersey City, N.J. 07305													
7.	Current Occupant 11 Claremont Ave., No. 2 Jersey City, N.J. 07305													
8.	Current Occupant 10 Claremont Ave., No. 1 Jersey City, N.J. 07305													
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Pittsburgh, PA 15234

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5.	Current Occupant 8 Claremont Ave., No. 2 Jersey City, N.J. 07305													
6.	Current Occupant 7 Claremont Ave., No. 1 Jersey City, N.J. 07305													
7.	Current Occupant 7 Claremont Ave., No. 2 Jersey City, N.J. 07305													
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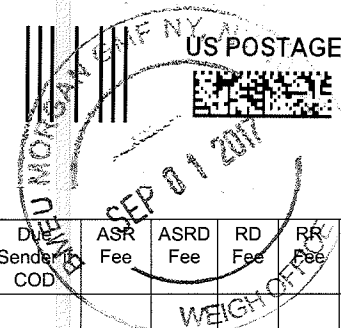
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2.	Current Occupant 2 Claremont Ave., No. 1 Jersey City, N.J. 07305													
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7.	Current Occupant 1 Claremont Ave., No. 2 Jersey City, N.J. 07305													
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1.	Jeff Worden Worden P.R. P.O. Box 10443 Pittsburgh PA 15234													
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New Jersey Department of Environmental Protection
Site Remediation and Waste Management Program

FULL LABORATORY DATA DELIVERABLES FORM

☐ LSRP

☐ Subsurface Evaluator

Date Stamp
(For Department use only)

SECTION A. SITE NAME AND LOCATION

Site Name: Hudson County Chromate - Site 132

List all AKAs: Former Town and Country Linen Warehouse

Street Address: 824 Garfield Avenue

Municipality: Jersey City (Township, Boro or City)

County: Hudson Zip Code: 07035

Program Interest (PI) Number(s): G000008749 Case Tracking Number(s): RPC900001

SECTION B. NJDEP CASE MANAGER

Do you have an assigned Case Manager? ☒ Yes ☐ No

If "Yes," please list the Case Manager: Dave Doyle

SECTION C. REMEDIAL PHASE

☐ Immediate Environmental Concern

☐ Preliminary Assessment Report

☐ Site Investigation Report

☐ Remedial Investigation/Remedial Action Work Plan

☒ Remedial Action Report

☐ Response Action Outcome

SECTION D. Matrix Type/Analysis and Number of Samples

☐ Potable Well Water# of samples: _____ Sampling Date: _____
Analytical Method(s) _____

☐ Indoor Air# of samples: _____ Sampling Date: _____
Analytical Method _____

☐ Polychlorinated dibenzo-p-dioxins/polychlorinated dibenzofurans # of samples: _____ Sampling Date: _____
Analytical Method _____

☒ Hexavalent chromium soil sample# of samples: 1188 Sampling Date: 01/11/2007
Analytical Method Method 7196/7199 -11/15/2017

☐ Other# of samples: _____ Sampling Date: _____
Analytical Method _____

☐ Other# of samples: _____ Sampling Date: _____
Analytical Method _____

☐ Other# of samples: _____ Sampling Date: _____
Analytical Method _____

SECTION E. GENERAL

1. Was a full laboratory data deliverables package provided? ☒ Yes ☐ No

2. Was a certified laboratory(s) used for the analyses? ☒ Yes ☐ No

Provide name of laboratory(s): TestAmerica (formerly Severn-Trent Laboratories), SGS-Accutest

3. Were data summaries provided for all samples? ☒ Yes ☐ No

4. Were electronic deliverables submitted? ☒ Yes ☐ No

5. For air sample data, were the TO-15 Conversion Tables (hit-lists) provided on disc in the appropriate Excel format pursuant to the VIG? Not Applicable ☐ Yes ☐ No

Section F. Data Quality Assurance/Quality Control

1. Were the appropriate sample preservation requirements met? ☒ Yes ☐ No
2. Were appropriate sample holding times (for both extraction/sample preparation and analysis) met? ☒ Yes ☐ No
If "No," provide a brief explanation.

3. Were the samples diluted? ☒ Yes ☐ No
Indicate the identity of the samples and why.
See Remedial Action Report, Site 132 (AOC 132-1) Soil, Section 6.0 and Appendices D and E.

4. If applicable, did sample dilutions result in elevated reporting limits that exceed applicable standards?.. ☐ Yes ☒ No
If "Yes," list the affected samples.

5. Were any applicable standards exceeded for any samples? ☒ Yes ☐ No
If "Yes," include the number of samples and laboratory sample identification numbers.
See Remedial Action Report, Site 132 (AOC 132-1) Soil, Table 5-1.

6. Were the laboratory reporting limits below the applicable remediation standards/criteria required for the site? ☒ Yes ☐ No
If "No," provide a brief explanation of action taken.

7. Were qualifications noted in the non-conformance summary? ☒ Yes ☐ No
Provide a brief explanation.
See Remedial Action Report, Site 132 (AOC 132-1) Soil, Section 6.0 and Appendices D and E.

8. Were qualified data used? ☒ Yes ☐ No
9. Were rejections noted in the non-conformance summary? ☒ Yes ☐ No
Provide a brief explanation.
See Remedial Action Report, Site 132 (AOC 132-1) Soil, Section 6.0 and Appendices D and E.

10. Were rejected data used? ☒ Yes ☐ No

If "Yes," please indicate reasons rejected data were used:

☒ For Hex Chrome, data were rejected because spike recovery was less than 50%.

☐ Data were rejected due to missing deliverables.

☐ Data were rejected but an applicable standard exceedance exists.

☐ Data were rejected in an early phase of a remediation; however, additional sampling and analysis are scheduled to be performed.

☐ Other reasons not noted directly above. Explain:

11. Were the quality control criteria associated with the compounds of concern at the site met? ☐ Yes ☒ No

12. Were the QC Summary Forms reviewed? ☒ Yes ☐ No

13. Surrogate recoveries acceptable Not applicable to hexavalent chromium (Cr⁶⁺) ☐ Yes ☐ No

14. Internal Standards acceptable Not applicable to Cr⁶⁺ ☐ Yes ☐ No

15. MS/MSDs acceptable ☐ Yes ☒ No

16. Tune summaries acceptable Not applicable to Cr⁶⁺ ☐ Yes ☐ No

17. Calibration summaries acceptable ☒ Yes ☐ No

18. Serial dilutions acceptable Not applicable to Cr⁶⁺ ☐ Yes ☐ No

19. Inorganic duplicates acceptable ☐ Yes ☒ No

20. LCS recovery acceptable ☒ Yes ☐ No

21. Other QC acceptable? ☐ Yes ☒ No

Provide a brief explanation if applicable:

See Remedial Action Report, Site 132 (AOC 132-1) Soil, Section 6.0 and Appendices D and E.

SECTION G. PERSON RESPONSIBLE FOR CONDUCTING THE REMEDIATION INFORMATION AND CERTIFICATION

Full Legal Name of the Person Responsible for Conducting the Remediation: PPG

Representative First Name: Mark Representative Last Name: Terril

Title: Corporate Director, Environmental Affairs

Phone Number: (412) 434-2708 Ext: Fax:

Mailing Address: One PPG Place

City/Town: Pittsburgh State: PA Zip Code: 15219

Email Address: terril@ppg.com

This certification shall be signed by the person responsible for conducting the remediation who is submitting this notification in accordance with Administrative Requirements for the Remediation of Contaminated Sites rule at N.J.A.C. 7:26C-1.5(a).

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein, including all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, to the best of my knowledge, I believe that the submitted information is true, accurate and complete. I am aware that there are significant civil penalties for knowingly submitting false, inaccurate or incomplete information and that I am committing a crime of the fourth degree if I make a written false statement which I do not believe to be true. I am also aware that if I knowingly direct or authorize the violation of any statute, I am personally liable for the penalties.

Signature: Mark Terril Date: 4/24/2019

Name/Title: Mark Terril / Corporate Dir., Environmental Affairs

SECTION H. LICENSED SITE REMEDIATION PROFESSIONAL INFORMATION AND STATEMENT

LSRP ID Number: _____

First Name: _____ Last Name: _____

Phone Numbers: _____ Ext.: _____ Fax: _____

Mailing Address: _____

Municipality: _____ State: _____ Zip Code: _____

Email Address: _____

This statement shall be signed by the LSRP who is submitting this notification in accordance with N.J.S.A. 58:10C-14, and N.J.S.A. 58:10B-1.3b(1) and (2).

(1) *I certify, as a Licensed Site Remediation Professional authorized pursuant to N.J.S.A. 58:10C-1 et seq. to conduct business in New Jersey, that for the remediation described in this submission, and all attachments included in this submission, I personally: Managed, supervised, or performed the remediation conducted at this site that is described in this submission, and all attachments included in this submission; and/or periodically reviewed and evaluated the work performed by other persons that forms the basis for the information in this submission; and/or completed the work of another site remediation professional, licensed or not, after having: (1) reviewed all available documentation on which I relied; (2) conducted a site visit and observed the then-current conditions and verified the status of as much of the work as was reasonably observable; and (3) concluded, in the exercise of my independent professional judgment, that there was sufficient information upon which to complete any additional phase of remediation and prepare workplans and reports related thereto.*

(2) *I certify:*

- *That I have read this submission and all attachments to this submission;*
- *That in performing the professional services as the licensed site remediation professional for the entire site or each area of concern, I adhered to the professional conduct standards and requirements governing licensed site remediation professionals provided in N.J.S.A. 58:10C-16;*
- *That the remediation conducted at the entire site or each area of concern, that is described in this submission and all attachments to this submission, was conducted pursuant to and in compliance with the remediation requirements in N.J.S.A. 58:10C-14.c;*
- *That the remediation described in this submission, and all attachments to this submission, was conducted pursuant to and in compliance with the regulations of the Site Remediation Professional Licensing Board at N.J.A.C. 7:26I; and*
- *That the information contained in this submission and all attachments to this submission is true, accurate, and complete.*

(3) *I certify, when this submission includes a response action outcome, that the entire site or each area of concern has been remediated in compliance with all applicable statutes, rules, and regulations and is protective of public health and safety and the environment.*

(4) *I certify that no other person is authorized or able to use any password, encryption method, or electronic signature that the Board or the Department have provided to me.*

(5) *I certify that I understand and acknowledge that:*

- *If I knowingly make a false statement, representation, or certification in any document or information I submit to the Department I may be subject to civil and administrative enforcement pursuant to N.J.S.A. 58:10C-17.a.1(a) through (f) by the Board, including but not limited to license suspension, revocation, or denial of renewal; and*
- *If I purposely, knowingly, or recklessly make a false statement, representation, or certification in any application, form, record, document or other information submitted to the Department or required to be maintained pursuant to the Site Remediation Reform Act, I shall be guilty, upon conviction, of a crime of the third degree and shall, notwithstanding the provisions of subsection b. of N.J.S.2C:43-3, be subject to a fine of not less than \$5,000 nor more than \$75,000 per day of violation, or by imprisonment, or both.*

(6) *I certify that I have read this certification prior to signing, certifying, and making this submission.*

LSRP Signature: _____

Date: _____

LSRP Name: _____

Company Name: _____

SECTION I. SUBSURFACE EVALUATOR UST REPORT CERTIFICATION FORM

Certification by the Subsurface Evaluator:

I certify under penalty of law that the work was performed under my oversight and I have reviewed the report and all attached documents, and the submitted information is true, accurate and complete in accordance with the requirements of N.J.A.C. 7:14B and N.J.A.C. 7:26E. I am aware that there are significant civil and criminal penalties for submitting false, inaccurate or incomplete information including fines and/or imprisonment.

Name: _____ UST Cert. No.: _____
Firm: _____ Firm's UST Cert. Number: _____
Firm Address: _____
City/Town: _____ State: _____ Zip Code: _____
Phone Number: _____ Ext: _____ Fax: _____
Signature: _____ Date: _____

Completed forms should be sent to:

Bureau of Case Assignment & Initial Notice
Site Remediation Program
NJ Department of Environmental Protection
401-05H
PO Box 420
Trenton, NJ 08625-0420

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List of Acronyms and Abbreviations

AAC	Acceptable Ambient Concentration
ACM	asbestos-containing material
ACO	Administrative Consent Order
AMP	Air Monitoring Plan
AOC	Area of Concern
bgs	below ground surface
BOL	bill of lading
CCPW	Chromate Chemical Production Waste
CEP	Clean Earth of Philadelphia
CID	Case Inventory Document
CMAA	Construction Manager as Agent
COC	chain-of-custody
Cr ⁺⁶	hexavalent chromium
CrSCC	Chromium Soil Cleanup Criteria
DCP	Dust Control Plan
DGA	dense-graded aggregate
DIGWSSL	Default Impact to Groundwater Soil Screening Level
EDD	electronic data deliverable
El.	elevation
ENTACT	ENTACT Environmental Services of Latrobe, Pennsylvania
EQ	Environmental Quality Company
ERFS	Environmental Remediation and Financial Services, LLC
FSP-QAPP	Field Sampling Plan – Quality Assurance Project Plan
ft	foot or feet
GA Group	Garfield Avenue Group
GPS	Global Positioning System
HASP	Health and Safety Plan
HCC	Hudson County Chromate
HPO	Historic Preservation Office
IGWSRS-GAG	Impact to Groundwater Soil Remediation Standard - Garfield Avenue Group
JCMUA	Jersey City Municipal Utilities Authority
JCO	Judicial Consent Order
JCRA	Jersey City Redevelopment Agency
LCS	laboratory control sample
LCSD	laboratory control sample duplicate
LSRP	Licensed Site Remediation Professional
mg/kg	milligrams per kilogram
MGP	manufactured gas plant
MS	matrix spike
MSD	matrix spike duplicate
NAVD88	North American Vertical Datum of 1988

NJ	New Jersey
N.J.A.C.	New Jersey Administrative Code
NJDEP	New Jersey Department of Environmental Protection
NJDOT	New Jersey Department of Transportation
NJGIN	New Jersey Geographic Information Network
NRDCSRS	Non-Residential Direct Contact Soil Remediation Standard
OGS	open grade stone
OSHA	Occupational Safety and Health Administration or Act
PCBs	polychlorinated biphenyls
PDI	pre-design investigation
PI	Program Interest
PPE	personal protective equipment
PSEG	Public Service Electric and Gas Company
PVSC	Passaic Valley Sewerage Commission
QA	quality assurance
QC	quality control
RA	remedial action
RAR	Remedial Action Report
RAWP	Remedial Action Work Plan
RDCSRS	Residential Direct Contact Soil Remediation Standard
RE	receptor evaluation
RI	Remedial Investigation
RIR	Remedial Investigation Report
RIWP	Remedial Investigation Work Plan
RPD	relative percent difference
SESCP	Soil Erosion and Sediment Control Plan
SOP	standard operating procedure
SRP	Site Remediation Program
SRS	Soil Remediation Standard
SSRIR	Supplemental Soil Remedial Investigation Report
SVOC	semi-volatile organic compound
SW	Southwestern
TEE	Terminal Excavation Elevation
TEP	Technical Execution Plan
TOC	total organic carbon
TRSR	Technical Requirements for Site Remediation
USEPA	United States Environmental Protection Agency
USGS	United States Geological Survey
VOC	volatile organic compound
Weston	Weston Solutions, Inc.

Regulatory Cross Reference Table

Regulatory Cross Reference Table
Remedial Action Report
Site 132, Garfield Avenue Group
PPG, Jersey City, New Jersey

N.J.A.C. 7:26E (last amended August 6, 2018) and 7:26C (last amended August 6, 2018) regulations are the primary source of Remedial Action Report (RAR) requirements. This document is not to be used as a replacement for the Technical Regulations.

Regulation	Description	Document Location	
N.J.A.C. 7:26E-5.7	Remedial Action Report Requirements	Report	Location
5.7(a)	The person responsible for conducting the remediation shall implement the remedial action and submit to the Department a remedial action report, along with a form found on the Department's website at www.nj.gov/dep/srp/srra/forms , pursuant to (b) below, and according to the applicable regulatory timeframe in N.J.A.C. 7:26E-5.8.	Remedial Action Report Site 132 (AOC 132-1) Soil	throughout
5.7(b)	The person responsible for conducting the remediation shall present and discuss in the remedial action report all of the information identified or collected pursuant to N.J.A.C. 7:26E-5.1 through 5.6, along with all of the following:	Remedial Action Report Site 132 (AOC 132-1) Soil	throughout
5.7(b) 1	The general reporting requirements in N.J.A.C. 7:26E-1.6;	Remedial Action Report Site 132 (AOC 132-1) Soil	see below
1.6(a) 1	Submit all documents, forms, spreadsheets and worksheets required in this chapter;	Remedial Action Report Site 132 (AOC 132-1) Soil	The Cover/Certification Form is included with the Regulatory Forms. The paper Remedial Action Report form is no longer accepted and is intended for work conducted under the Licensed Site Remediation Professional Program. As this work is being conducted under direct oversight and not being submitted online, no Remedial Action Report form is included.
1.6(a) 2	Certify and have the licensed site remediation professional certify, pursuant to N.J.A.C. 7:26C-1.5, all forms and documents prepared to pursuant to this chapter;	Remedial Action Report Site 132 (AOC 132-1) Soil	The Cover/Certification Form is included with the Regulatory Forms. The work is being conducted under direct oversight so it does not require certification by a Licensed Site Remediation Professional.
1.6(a) 3	Submit a completed case inventory document (CID) worksheet available on the Department's website at www.nj.gov/dep/srp/srra/forms at the front of each remedial phase workplan and report required by this chapter, except for a preliminary assessment report where no areas of concern were identified;	Remedial Action Report Site 132 (AOC 132-1) Soil	Regulatory Forms
1.6(a) 4	Submit a quality assurance project plan (QAPP) prepared pursuant to N.J.A.C. 7:26E-2.2 with each remedial phase workplan and report required by this chapter, except for a preliminary assessment report and remedial action report;	Remedial Action Report Site 132 (AOC 132-1) Soil	Not Applicable for this Remedial Action Report
1.6(a) 5	Except where a final remediation document for unrestricted use is filed with the Department within one year after the earliest applicable trigger to remediate listed in N.J.A.C. 7:26C-2.2, submit all sampling data electronically in a summary table using the format outlined in the Site Remediation Program's "Electronic Data Interchange Manual," available at www.nj.gov/dep/srp/hazsite/docs/ , in effect as of the date the document is submitted and include items described in subsections 1.6(a) 5.i-iii of Tech Reg.	Remedial Action Report Site 132 (AOC 132-1) Soil	Electronic data deliverable provided to NJDEP for data used to document compliance with remedial action goals; receipts of submittals included in Appendix D - Laboratory Analytical Reports.
1.6(a) 6	Submit a geographic information system (GIS) compatible site plan that includes the site boundaries and the location of all areas of concern as polygons.	Remedial Action Report Site 132 (AOC 132-1) Soil	Figure 1-2

Regulatory Cross Reference Table
Remedial Action Report
Site 132, Garfield Avenue Group
PPG, Jersey City, New Jersey

Regulation	Description	Document Location	
N.J.A.C. 7:26E-5.7	Remedial Action Report Requirements	Report	Location
1.6(b) 1	The physical setting of the site that includes a general description of soils, geology, hydrology, hydrogeology, and topography of the site and surroundings;	Remedial Action Report Site 132 (AOC 132-1) Soil	Section 2.2 - Physical Setting of the Site
1.6(b) 2	A description of any significant events or seasonal variations that may have influenced sampling procedures or analytical results;	Remedial Action Report Site 132 (AOC 132-1) Soil	No significant events or seasonal variations influenced sampling procedures or analytical results. Soil sampling results are discussed in: Section 2.1 - Summary of Soil Remedial Investigation Findings Section 4.2.1 - Proposed Terminal Excavation Elevations and Pre-Design Investigation Section 5.3 - Post-Excavation Soil Sampling
1.6(b) 3	A description of the results and implications of field measurements or area-specific changes in sampling protocol due to field conditions;	Remedial Action Report Site 132 (AOC 132-1) Soil	Not Applicable for this Site
1.6(b) 4	A list of: i. All variances from the requirements of this chapter submitted pursuant to N.J.A.C. 7:26E-1.7; and ii. All rationales submitted for deviations from any technical guidance pursuant to N.J.A.C. 7:26C-1.2(a)3;	Remedial Action Report Site 132 (AOC 132-1) Soil	Not Applicable for this Site
1.6(b) 5	The applicable regulatory timeframe, including: i. Regulatory citation of the regulatory timeframe; and ii. Calendar date of the regulatory timeframe;	Judicial Consent Order	Master Schedule, referenced in Section 1.0
1.6(b) 6	A summary table(s), organized by area of concern, of all sampling results, including sample location, medium, sample depth, field and laboratory identification numbers, analytical results, and comparison to remediation standards, and the following: i. Identification of each contaminant concentration exceeding a remediation standard; ii. Identification of each sample with a method detection limit or a practical quantitation level that exceeds a remediation standard, along with an explanation in the table key; and iii. A report of all soils and solids sample results in milligrams per kilogram on a dry weight basis, aqueous sample results in micrograms per liter, and air results in micrograms per cubic meter;	Remedial Action Report Site 132 (AOC 132-1) Soil	Tables 5-1 through 5-3 - Analytical Results for In-Place Soil
1.6(b) 7	For soil borings, test pits and monitoring wells: i. Stratigraphic logs, which include soil/rock physical descriptions and field instrument readings detected during drilling for each soil boring, test pit and monitoring well; ii. State permit numbers and as-built specifications, if applicable; and iii. Monitoring well certification forms A (the well construction as built certification) and B (the well location certification) available on the Department's website at www.nj.gov/dep/srp/regs/guidance.htm ;	Remedial Action Report Site 132 (AOC 132-1) Soil	i. Appendix F - Boring Logs ii and iii. Not Applicable

Regulatory Cross Reference Table
Remedial Action Report
Site 132, Garfield Avenue Group
PPG, Jersey City, New Jersey

Regulation	Description	Document Location	
N.J.A.C. 7:26E-5.7	Remedial Action Report Requirements	Report	Location
1.6(b) 8	Maps and figures, with map scale and orientation, including: i. Site location, land use, receptor evaluation, and area of concern maps; ii. Sample location map(s), that include the following: (1) Field identification numbers for all samples; (2) Sample locations, sample depths and contaminant concentrations plotted on the map; and (3) If data for more than 25 samples are presented for an area of concern, soil, ground water and sediment contaminant isopleth maps and cross section diagram(s), including the horizontal and vertical distribution of contaminants in each media, with sample point location numbers and contaminant concentrations; and iii. Ground water elevation contour maps showing the location of all monitoring wells, piezometers, or other ground water sampling points, for each set of static ground water level measurements for each aquifer;	Remedial Action Report Site 132 (AOC 132-1) Soil	i. Site Location - Figure 1-1; Land Use, Receptor Evaluation - Regulatory Forms, located immediately behind the report cover page; Areas of Concern - Figure 1-2 ii. Sample Location Maps - Figures 5-1 through 5-3 iii. Groundwater maps - Not applicable
1.6(b) 9	A discussion of the usability of laboratory analytical data;	Remedial Action Report Site 132 (AOC 132-1) Soil	Section 6.0 - Reliability of Data: Data Validation and Usability
1.6(b) 10	A description of the significance of information generated in the library search of tentatively identified compounds and unknown compounds.	Remedial Action Report Site 132 (AOC 132-1) Soil	Not Applicable for this Site
5.7(b) 2	A presentation and discussion of all of the information identified or collected, pursuant to N.J.A.C. 7:26E-1.10 through 1.16 and an updated receptor evaluation on a form found on the Department's website at www.nj.gov/dep/srp/srra/forms ;	Remedial Action Report Site 132 (AOC 132-1) Soil	Regulatory Forms, located immediately behind the report cover page, for the Receptor Evaluation and Section 8.0 - Receptor Evaluation Update
5.7(b) 3	A summary of the findings and recommendations for each area of concern from the remedial investigation report prepared pursuant to N.J.A.C. 7:26E-4.9;	Remedial Action Report Site 132 (AOC 132-1) Soil	Section 2.3 - Recommended Remedial Action
5.7(b) 4	A description, by area of concern, of each remedial action implemented;	Remedial Action Report Site 132 (AOC 132-1) Soil	Section 5.0 - Description of Remedial Action
5.7(b) 5	A list, by remedial action, of the remediation standards that apply to each remedial action;	Remedial Action Report Site 132 (AOC 132-1) Soil	Section 3.0 - Identification of Applicable Remedial Standards/Criteria and Table 3-1
5.7(b) 6	Documentation, by area of concern, that each remedial action is effective in protecting the public health and safety and the environment by: i. Providing an overview of the data to establish the remedial action is operating as designed; or ii. Demonstrating compliance with the applicable remediation standards;	Remedial Action Report Site 132 (AOC 132-1) Soil	Section 7.0 - Documentation of the Protectiveness of the Remedial Action
5.7(b) 7	A remedial action permit application prepared pursuant to N.J.A.C. 7:26C-7, if applicable;	Remedial Action Report Site 132 (AOC 132-1) Soil	Not Applicable for this Site
5.7(b) 8	"As-built" diagrams for any permanent structures associated with the remedial action including, without limitation, caps or other structures associated with the remedial action and engineering controls, if applicable;	Remedial Action Report Site 132 (AOC 132-1) Soil	Section 7.0 - Documentation of the Protectiveness of the Remedial Action Appendix K- As-Built Diagrams

Regulatory Cross Reference Table
Remedial Action Report
Site 132, Garfield Avenue Group
PPG, Jersey City, New Jersey

Regulation	Description	Document Location	
N.J.A.C. 7:26E-5.7	Remedial Action Report Requirements	Report	Location
5.7(b) 9	A detailed description of site restoration activities, if applicable;	Remedial Action Report Site 132 (AOC 132-1) Soil	Section 7.2 - Description of Restoration Activities
5.7(b) 10	The total remediation costs through the implementation of the remedial action;	Remedial Action Report Site 132 (AOC 132-1) Soil	Section 7.3 - Total Remedial Action Cost
5.7(b) 11	Documentation of all types and quantities of waste generated by the remedial action, including copies of fully executed manifests or bill(s) of lading documenting any off-site transport of waste;	Remedial Action Report Site 132 (AOC 132-1) Soil	Section 7.4 - Documentation of Waste Generation and Disposal Appendix H - Hazardous Waste Disposal Documentation Appendix I - Non-Hazardous Waste Disposal Documentation
5.7(b) 12	Documentation of the source, type, quantities, and location of each alternative fill and clean fill used as part of the remedial action at the site; and	Remedial Action Report Site 132 (AOC 132-1) Soil	Section 7.5 - Documentation of Source, Type, Quantities, and Location of Fill Appendix J - Clean Fill Documentation
5.7(b) 13	A description of each permit required and obtained to implement the remedial action.	Remedial Action Report Site 132 (AOC 132-1) Soil	Section 7.6 - Identification of Required Permits and Authorizations Appendix B - Permits and Approvals

Executive Summary

This Remedial Action Report (RAR) has been prepared by AECOM on behalf of PPG to document the remedial action (RA) for Chromate Chemical Production Waste (CCPW) and CCPW-impacted soils at Site 132 Area of Concern (AOC) 132-1. Site 132 (the Site) is part of the Garfield Avenue Group (GA Group) Sites, which include Sites 114, 132, 133, 135, 137, 143, and 186, and adjacent roadways and properties (**Figure 1-1**). Site 114 is the former location of a chromite ore processing facility previously owned by PPG, and the former Halladay Street Gas Works manufactured gas plant (MGP) previously owned by Public Service Electric and Gas Company (PSEG). Site 132 is tracked under the New Jersey Department of Environmental Protection (NJDEP) Site Remediation Program (SRP) Program Interest (PI) number G000008749 (Activity # RPC900001).

Site 132 is located at 824 Garfield Avenue in Jersey City, New Jersey (NJ) (**Figure 1-2**). Site 132 is identified as Block 21510, Lot 2 in the Jersey City Parcel Data from New Jersey Geographic Information Network (NJGIN), last updated October 6, 2015 (available at: https://njgin.state.nj.us/OGIS_IV, last accessed in November 2018). Site 132 is bordered to the east by Site 137 (Block 21510, Lot 3 and Block 21510, Lot 4); to the north by Carteret Avenue; to the north and west by Site 143 (Block 21510, Lot 1); to the west by Garfield Avenue; and to the south by 816 Garfield Avenue (the Former Fishbein Property) (Block 21510, Lot 11). Site 114 is located immediately north of Carteret Avenue. The total area encompassed by Site 132 is approximately 3.2 acres.

This RAR addresses only the soil impacts for which PPG is responsible under the *Administrative Consent Order* (ACO) (NJDEP, 1990) and the *Partial Consent Judgment Concerning the PPG Sites* (Judicial Consent Order [JCO]) (Superior Court of New Jersey Law Division – Hudson County, 2009). PPG is responsible for CCPW and CCPW-related impacts. At Site 132, these constituents include:

- CCPW and hexavalent chromium (Cr^{+6}); and
- CCPW metals (antimony, total chromium, nickel, thallium, and vanadium).

PPG is not responsible for other constituents exceeding the NJDEP Soil Remediation Standards (SRS) or Default Impact to Groundwater Soil Screening Levels (DIGWSSLs) that may be present at the Site. Remediation of non-CCPW-related constituents is the responsibility of the property owner under the Licensed Site Remediation Professional (LSRP) program.

The Case Inventory Document (CID) summarizes the presence of one soil AOC for the Site, AOC 132-1. This RAR presents a summary of the implemented RA for AOC 132-1 (CCPW-impacted soils in Site 132). Groundwater impacted by CCPW and/or MGP material throughout the GA Group Sites is being tracked under the Site 114 PI number G000005480 and is not included on the CID for Site 132; documentation of the RA for groundwater for the GA Group Sites will be provided in a separate document.

Based on the findings of the Remedial Investigation (RI), the recommended RA for soils at the Site included the excavation and removal of visible CCPW and soils with concentrations of Cr^{+6} greater than the Chromium Soil Cleanup Criteria (CrSCC).

The overall objectives for Cr^{+6} and CCPW-impacted soil, as stated in the Remedial Action Work Plan (RAWP) (see **Section 4.1** for the RAWP submittal history), were:

- Elimination of potential exposure to Cr⁺⁶ in CCPW and CCPW-impacted soil (Cr⁺⁶ at concentrations greater than 20 milligrams per kilogram [mg/kg]) due to direct contact or windborne dust;
- Removal of accessible impacted soil at depths less than 20 feet (ft) below ground surface (bgs) and above the meadow mat;
- Removal of CCPW and certain impacted soil to depths greater than 20 ft bgs but to a maximum of 35 ft bgs where: a) the meadow mat is not present, and b) removal is technically prudent and beneficial to the future groundwater remediation; and
- Establishment of site conditions suitable for future uses of the Site.

For the purposes of planning and implementing the RA, Site 132 was primarily identified as part of GA Group Phase 3A (which also included Site 143) (see **Figure 1-2**). A small portion of Site 132 (Grid Rows L and M) was identified as part of GA Group Phase 3B North (which primarily included Site 137 North).

For the Site 132 portion of Phase 3A, remedial excavation was conducted between April 7 and September 5, 2014, and backfilling was completed on November 24, 2014. Note that excavation in Phase 3A began on March 6, 2014 on adjacent Site 143. For the portion of Site 132 located in Phase 3B North (Grid Rows L and M), remedial excavation was conducted between May 7, 2014 and April 8, 2015, and backfilling was completed on May 15, 2015. Restoration activities were completed in Phase 3A between August 22, 2017 and January 31, 2018 and in Phase 3B North, between July 24, 2017 and January 31, 2018.

Confirmation sampling results presented on figures and tables in this report indicate remedial objectives for AOC 132-1 have been achieved as follows:

- Excavation of soil containing Cr⁺⁶ met the requirements specified in the NJDEP Memorandum entitled *Chromium Moratorium*, February 8, 2007 (the Chromium Policy) (NJDEP, 2007) in accordance with the *Updated Method to Determine Compliance with the Department's Chromium Policy, Garfield Avenue – Sites 114, 132, 133, 135, 137, and 143, Jersey City, NJ* (Method to Determine Compliance) (NJDEP, 2013).
- Soil concentrations for CCPW metals are in compliance with the CrSCC or SRS.
- Soil concentrations for CCPW metals in the unsaturated zone are in compliance with the DIGWSSLs and/or the site-specific Impact to Groundwater Soil Remediation Standards for the GA Group (IGWSRS-GAGs).

The soil RA for Site 132 AOC 132-1 is effective in protecting public health and safety and the environment, and no further soil remediation is warranted for this AOC. This RAR demonstrates compliance with the applicable remediation requirements for the soils on Site 132 AOC 132-1 and no further action with regard to AOC 132-1 soils is needed. PPG requests the closure of AOC 132-1 by the NJDEP through the issuance of a Consent Judgment Compliance Letter.

1.0 Introduction

This Remedial Action Report (RAR) has been prepared by AECOM on behalf of PPG to document the remedial action (RA) for Chromate Chemical Production Waste (CCPW) and CCPW-impacted soils at Site 132 (Area of Concern [AOC] 132-1). Site 132 (the Site) is one of the Garfield Avenue Group (GA Group) Sites, which include Sites 114, 132, 133, 135, 137, 143, and 186, and adjacent roadways and properties (**Figure 1-1**). Site 114 is the former location of a chromite ore processing facility previously owned by PPG, and the former Halladay Street Gas Works manufactured gas plant (MGP) previously owned by Public Service Electric and Gas Company (PSEG). Site 132 is tracked under the New Jersey Department of Environmental Protection (NJDEP) Site Remediation Program (SRP) Program Interest (PI) number G000008749 (Activity # RPC900001).

Site 132 is located at 824 Garfield Avenue in Jersey City, New Jersey (NJ) (**Figure 1-2**). Site 132 is identified as Block 21510, Lot 2 in the Jersey City Parcel Data from New Jersey Geographic Information Network (NJGIN), last updated October 6, 2015 (available at: https://njgin.state.nj.us/OGIS_IW, last accessed in November 2018). Site 132 is bordered to the east by Site 137 (Block 21510, Lot 3 and Block 21510, Lot 4); to the north by Carteret Avenue; to the north and west by Site 143 (Block 21510, Lot 1); to the west by Garfield Avenue; and to the south by 816 Garfield Avenue (the Former Fishbein Property) (Block 21510, Lot 11). Site 114 is located directly north across Carteret Avenue. The total area encompassed by Site 132 is approximately 3.2 acres.

In 1990, PPG and the NJDEP entered into an *Administrative Consent Order* (ACO) (NJDEP, 1990) to investigate and remediate locations where CCPW or CCPW-impacted materials related to former PPG operations may be present. On June 26, 2009, NJDEP, PPG and the City of Jersey City entered into a *Partial Consent Judgment Concerning the PPG Sites*, also referred to as the Judicial Consent Order (JCO) (Superior Court of New Jersey Law Division – Hudson County, 2009), with the purpose of remediating soils and sources of contamination at these Hudson County Chromate (HCC) sites. Priority for the remedial activities was given to residential locations where the CCPW and CCPW-impacted materials were present. The provisions of the original ACO remain in effect with the JCO taking precedence where there are conflicts between the two documents.

As part of the JCO, a judicially enforceable master schedule was created, establishing RA milestone dates for the NJ Chrome Remediation Sites, including Site 132. Since its establishment in 2009, the master schedule has been revised several times. The most recent revision to the Master Schedule was finalized on January 24, 2019 (Riccio, 2019).

PPG and PSEG are jointly responsible for remediation of MGP parameters related to the former Halladay Street Gas Works MGP. PSEG, as the former Halladay Street Gas Works MGP operator, is the lead party for addressing these impacts.

Site 132 is currently vacant land owned by the Jersey City Redevelopment Agency (JCRA). Site 132 was undeveloped until about 1911. The Former Morris Canal, a man-made surface water body trending northeast/southwest, formerly passed through the eastern portion of Site 132. The canal was decommissioned in the 1920s and was later filled. Residential buildings were located on the property during the 1950s and by the 1960s, the residential properties were gone and the property was utilized as part of an automobile salvage yard. By the 1970s, the Town and Country Linen Warehouse occupied the property. In July 2013, the vacant warehouse was demolished and the surrounding

grassy and paved areas were removed. The building slab was removed in July 2014 as part of RA activities.

The Case Inventory Document (CID) summarizes the presence of one AOC for soil, as presented on **Table 1-1**. As part of the Supplemental Soil Remedial Investigation Report (SSRIR) for the GA Group Sites, contaminated soils within Site 132 were considered a single AOC (Site 132 - Soil) (AECOM, 2018b). As part of this RAR, the soil AOC has been renamed AOC 132-1. The survey limits of AOC 132-1 are shown on **Figure 1-2**. This RAR presents a summary of the implemented RA for Site 132 soils (AOC 132-1).

Documentation of the RA for additional AOCs will be provided in separate documents. Groundwater impacted by CCPW and/or MGP material throughout the GA Group Sites is being tracked under the PI number of G000005480 for Site 114 (the location of the former Chromate Chemical Production Facility and MGP). Remediation of non-CCPW-related constituents is the responsibility of the property owner under the Licensed Site Remediation Professional (LSRP) program. The CID included herein only reflects the remediated soil AOC that PPG is responsible for associated with the ACO/JCO.

This RAR was prepared in accordance with the requirements set forth in the *Technical Requirements for Site Remediation* (TRSR), New Jersey Administrative Code (N.J.A.C.), Title 7, Chapter 26E, Subchapter 5.5 (N.J.A.C. 7:26E-5.5) (NJDEP, 1993b), Appendix A of the 1990 ACO (NJDEP, 1990), and the June 26, 2009 JCO (Superior Court of New Jersey Law Division – Hudson County, 2009).

The remainder of this RAR is organized as follows:

- **Section 2** provides the summary of soil remedial investigation (RI) findings and recommendations;
- **Section 3** identifies the applicable remedial standards/criteria;
- **Section 4** presents the summary of pre-remedial action design activities;
- **Section 5** provides the description of the RA implemented;
- **Section 6** discusses the reliability of the data including data validation and usability;
- **Section 7** includes documentation of the protectiveness of the remedy;
- **Section 8** provides the updated receptor evaluation information;
- **Section 9** presents the conclusions and recommendations; and
- **Section 10** lists the references cited in the report.

Supporting information is presented in the appendices.

2.0 Summary of Soil Remedial Investigation Findings and Recommendations

2.1 Summary of Soil Remedial Investigation Findings

RI activities performed at the GA Group Sites were detailed in the following reports, including Remedial Investigation Work Plans (RIWPs) and Remedial Investigation Reports (RIRs), previously submitted to the NJDEP:

- April 2003 *Remedial Investigation Work Plan – Site 114* (ENSR, 2003).
- March 2006 *Remedial Investigation Report – Site 114* (Site 114 RIR) (ENSR, 2006a).
- March 2006 *Remedial Investigation Work Plan – Site 114 (Off Site)* (ENSR, 2006b).
- September 2006 *Remedial Investigation Work Plan – Sites 132, 133, 135, 137 and 143* (ENSR, 2006c).
- December 2007 *Remedial Investigation Report Former Halladay Street Gas Works, Jersey City, New Jersey* (Halladay Street Gas Works RIR) (CMX, 2007).
- July 2008 *Remedial Investigation Report Addendum, Supplemental Offsite Soil Sampling, Former Halladay Street Gas Works, Jersey City, New Jersey* (RIR Addendum) (CMX, 2008).
- December 2009 *Remedial Investigation Report – Non-Residential Chromate Chemical Production Waste Sites, Sites 114, 132, 133, 135, 137, and 143* (AECOM, 2009).
- March 2011 *Soil Remedial Investigation Work Plan – Sites 114, 132, 133, 135, 137, 143 and Site 186* (AECOM, 2011a).
- November 2011 *Draft Remedial Investigation Report – Soil Garfield Avenue Group Non-Residential CCPW Sites 114, 132, 133, 135, 137, 143 and 186* (AECOM, 2011b).
- February 2012 *Remedial Investigation Report – Soil Garfield Avenue Group Non-Residential CCPW Sites 114, 132, 133, 135, 137, 143 and 186* (2012 RIR) (AECOM, 2012a).
- May 2014 *Remedial Investigation Report Former Halladay Street Gas Works Jersey City, New Jersey* (AMEC, 2014).
- August 2018 Supplemental Soil Remedial Investigation Report, Final Revision 1, PPG Garfield Avenue Group, Hudson County Chromium Sites, Jersey City, New Jersey (August 2018 SSRIR) (AECOM, 2018b), as approved by NJDEP on October 22, 2018 (NJDEP, 2018a).

The 2012 RIR provides a detailed summary of the previous RI investigations throughout the GA Group Sites. No additional data specific to Site 132 was collected as part of the August 2018 SSRIR; however, Impact to Groundwater Soil Remediation Standards for the Garfield Avenue Group (IGWSRS-GAGs) for antimony and nickel, applicable to the GA Group Sites (including Site 132), were developed and presented in the August 2018 SSRIR (AECOM, 2018b). The following is a summary of the information provided in the 2012 RIR with respect to Site 132.

RI activities were conducted at Site 132 as part of investigation activities at Site 114 and the southern GA Group Sites (Sites 132, 133, 135, 137, and 143) between 2005 and 2008. The results of these activities were included in the Site 114 RIR (ENSR, 2006a), and the Halladay Street Gas Works RIR and RIR Addendum (CMX, 2007 and CMX, 2008, respectively).

Site 132 was initially targeted for RI activities because of its proximity to Site 114. PPG and PSEG conducted several RI phases throughout the GA Group Sites. The 2012 RIR incorporated the results of RI work conducted by both PPG and PSEG through 2011. The RI work was designed to delineate the compounds on or potentially emanating from Site 114 related to former chromite ore processing operations and related to PPG's former ownership of Site 114. The compounds present on Site 114 included volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), polychlorinated biphenyls (PCBs), metals, and hexavalent chromium (Cr⁺⁶), as well as CCPW.

The RI activities identified the presence of Cr⁺⁶ in soils at Site 132 at concentrations greater than the NJDEP Chromium Soil Cleanup Criterion (CrSCC). Most of the Cr⁺⁶ detected at concentrations greater than the CrSCC was found within the fill material that was placed on top of the meadow mat or on top of native materials. Concentrations of Cr⁺⁶ greater than the CrSCC within Site 132 were limited to depths shallower than 20 feet (ft) below ground surface (bgs). The horizontal extent of concentrations of Cr⁺⁶ greater than the CrSCC within Site 132 was primarily in the area of, and immediately adjacent to, the Former Morris Canal with sporadic occurrences to the west of the Former Canal.

The RI activities identified the presence of CCPW metals in soil at Site 132 at concentrations greater than the most stringent NJDEP Soil Remediation Standards (SRS) and the NJDEP Default Impact to Groundwater Soil Screening Levels (DIGWSSLs). In general, CCPW metals exceedances, particularly antimony and vanadium, were coincident with Cr⁺⁶. Thallium exceedances were few and were co-located within the CCPW-impacted areas. Since the completion of the 2012 RIR, the NJDEP has eliminated the SRS for thallium. None of the RI data had nickel concentrations that exceeded the NJDEP SRS.

The PSEG RI activities did not identify MGP-related impacts in Site 132. An 'emanating from Site 114' evaluation was conducted in April 2014 and it was determined that non-CCPW impacts (including MGP-related compounds) were not likely emanating from Site 114 onto Phase 3A (including Site 132) (AECOM, 2014e and AECOM, 2017d). Other contaminants at Site 132 were identified at concentrations greater than the SRS and/or DIGWSSL. These constituents were determined not to be emanating from Site 114; therefore, they are not PPG's responsibility under the ACO/JCO.

2.2 Physical Setting of the Site

The GA Group Sites, including Site 132, are located in an urban area in Jersey City, Hudson County, NJ between Garfield Avenue, Caven Point Avenue, Pacific Avenue, and the NJ Transit Light Rail. The GA Group Sites consist of former industrial and commercial properties and businesses. The GA Group Sites, including Site 132, are located within the Canal Crossing Redevelopment Area, which encompasses 111 acres of planned redevelopment space in the southeastern section of Jersey City, NJ (City of Jersey City, 2009).

There is little topographic relief within and surrounding the GA Group Sites, where the topography ranges from elevation (El.) 9 ft to 16 ft relative to the North American Vertical Datum of 1988 (NAVD88). However, west of Garfield Avenue, the land surface slopes upward and reaches approximately El. 100 ft NAVD88 about one-half mile to the west. The topography east of the GA

Group Sites is fairly flat, extending to the Hudson River and Upper New York Bay. Due to highly compacted surface soils and other impervious features, storm water runoff within the GA Group Sites is primarily channeled into the municipal storm sewer system (ENSR, 2006a).

The GA Group Sites are located in a section of Jersey City that experienced significant industrial development in the early 1900s. To create more available land, developers filled the surrounding marshlands and estuarine areas. Research indicates that the fill included construction spoils consisting of silts and sands, garbage from New York City, ship ballast, coal ash, and incinerator ash. It is unknown what specific fill material was used in which locations. The meadow mat associated with wetland areas was covered with fill materials and/or removed for building foundations or other improvement projects (ENSR, 2006a).

2.2.1 Topography

The United States Geological Survey (USGS) Jersey City, NJ topographic quadrangle map (**Figure 1-1**) presents the regional topography for the GA Group Sites and surrounding area. Site 132 has little topographic relief, with ground surface ranging from El. 11 to 14 ft NAVD88. However, just to the west of Garfield Avenue, the topography rises approximately 30 to 40 ft in elevation within several hundred yards of the GA Group Sites, and to about El. 100 ft NAVD88 about a half-mile west of the GA Group Sites. As of July 2018, the surface elevation of the Site following soil remediation and restoration ranges from El. 11 to 17 ft NAVD88.

2.2.2 Regional Geology

The regional geology includes unconsolidated sediments of Recent and Pleistocene age. According to the New Jersey Geologic Survey, these sediments include alluvial, estuarine, eolian (windblown), and glacial lacustrine deposits, as well as glacial till of late Wisconsin age. The Triassic age bedrock of the Newark Group (Lockatong and Stockton formations) throughout the region is comprised of non-marine sedimentary rocks, consisting mainly of sandstone, mudstone, and conglomerate. A diabase sill (i.e., the Palisades Sill) intruded into the Lockatong formation west of Garfield Avenue approximately 200 million years ago.

2.2.3 Site 132 Geology

Site 132 is located on miscellaneous fill material that was used to reclaim the salt marsh for the construction of this portion of Jersey City. The estuarine native soils beneath the fill material include an organic meadow mat layer and a thick sequence of unconsolidated natural material. The major geologic units in the area of Site 132 from top to bottom include:

- A non-native fill layer (the shallow zone);
- Native soils consisting of sand, silty sand, and clays (the intermediate zone) generally separated from the fill by organic sediments or meadow mat;
- Till directly above the bedrock underlying sand with occasional gravel lenses generally separated from the intermediate zone by a layer of lower hydraulic conductivity silts and clayey silts (the deep zone); and
- Bedrock of the Lockatong and Stockton Formations (bedrock zone).

The bedrock surface is relatively shallow west of Garfield Avenue, but fairly deep beneath Site 114. Bedrock was observed at depths less than 10 ft bgs west of Site 132 along Garfield Avenue, at depths

exceeding 100 ft bgs below the center of Site 114, and at an approximate depth of 80 ft bgs at Halladay Street to the east of Site 132 (AECOM, 2012a).

East of the GA Group Sites, the bedrock surface rises to a large bedrock plateau that extends to the shoreline of New York Bay. The bedrock slopes downward again east of Ellis Island (Stanford, 1995).

Estuarine organic-rich deposits (i.e., meadow mat) were identified at a number of boring locations. Observations have indicated that the meadow mat is not continuous. Depths of the meadow mat range from approximately 10 to 21 ft bgs (AECOM, 2012a). Shallow soils (predominantly fill) extend from the ground surface to the top of the meadow mat, where the meadow mat is present, or to a similar depth where meadow mat is not present. Meadow mat is not present within the footprint of the Former Morris Canal.

Below the meadow mat, soils are unconsolidated and are characterized by fine to medium sand and silt with clay and some gravel, typical of the current understanding of the geologic depositional history of the area. The native, unconsolidated soils range in thickness from approximately 56 to 77 ft, based on borings that extended to bedrock.

Excavation of the CCPW-impacted fill at Site 132 took place between April 2014 and April 2015. A summary of the restoration activities, including backfilling, is provided in **Section 7.2** of this RAR.

2.2.4 Hydrogeology

This RAR only addresses the RA of soil at Site 132 AOC 132-1. Groundwater impacted by CCPW and/or MGP material throughout the GA Group Sites is being tracked under the PI number G000005480 for Site 114 (the location of the former Chromate Chemical Production Facility and MGP). The status of the groundwater investigation throughout the GA Group is documented in the *Groundwater Remedial Investigation Report, Draft*, submitted to the NJDEP on October 1, 2018 (AECOM, 2018d). A separate RAR will be prepared and submitted to document the groundwater RA at the GA Group Sites. This description of hydrogeology is provided herein solely to meet the regulatory requirements of N.J.A.C. 7:26E-5.7(b)1 as specified by N.J.A.C. 7:26E-1.6(b)1.

2.2.4.1 Regional Groundwater Flow

Groundwater occurs regionally in the following hydrogeologic zones: the fill; the meadow mat and the unconsolidated overburden soils; and the bedrock. A summary of the groundwater flow in these formations is included below:

- **Fill (Shallow Water-Bearing Zone):** Groundwater in the fill is typically encountered within 10 ft bgs. In general, shallow groundwater flow patterns represent a subdued version of the land surface topography. Variations from this can be attributed to heterogeneities in the fill. For instance, tightly compacted dredged sediments would be expected to restrict water flow much more than construction debris. Subsurface infrastructure (e.g., basements, drains, sheet pile, utility corridors, etc.) would also affect groundwater flow patterns. Groundwater elevations in the shallow fill can also be influenced by recharge events.
- **Overburden (Intermediate and Deep Water-Bearing Zones) and Meadow Mat:** Groundwater flow in the overburden is controlled by hydraulic conductivity or flow through the connected porous spaces in the soil matrix. Groundwater flows horizontally in these soils, but may be influenced by local recharge and discharge zones (i.e., surface water bodies and drainage divides). Meadow mat is a dense matrix of organic material and fine-grained soils;

the hydraulic conductivity of the meadow mat is expected to be three or more orders-of-magnitude less than the underlying overburden.

- **Bedrock (Bedrock Water-Bearing Zone):** Well yields from bedrock have been reported to range from several gallons to several hundred gallons per minute, with yields generally decreasing with depth. Groundwater in the bedrock formations occurs under both unconfined and confined conditions, primarily within secondary porosity due to fractures and joints. The Palisades Sill is understood to be a no flow boundary and has low permeability. In general, groundwater flow in bedrock is a very small fraction of the total groundwater flux through the area.

2.2.4.2 GA Group Sites Groundwater Flow

Like the regional hydrogeology, groundwater at the GA Group Sites occurs in several hydrogeologic zones:

- The shallow fill zone (shallow water-bearing zone);
- The intermediate sand and silty sand zone including the meadow mat (intermediate water-bearing zone);
- The deep sand, gravel lenses, silts, clays, and glacial till (deep water-bearing zone); and
- Bedrock of the Stockton Formation and Lockatong Formation (bedrock water-bearing zone).

Shallow groundwater flow is complex and is affected by various on- and off-site activities and features, including excavations, placement of clean and/or amended fill, sheet pile, implementation of interim groundwater remedial measures, other subsurface infrastructure, and localized variability in recharge. The principal direction of groundwater flow in the intermediate and deep water-bearing zones is from northwest to southeast. This flow direction is consistent with the geologic setting where the GA Group area is recharged from groundwater coming off the topographic high to the west. Recharge to the intermediate water-bearing zone is also occurring due to downward gradients in the fill and upward gradients in the deep water-bearing zone.

During a May/June 2018 groundwater sampling round, groundwater elevations throughout the GA Group Sites in the shallow, intermediate, and deep overburden, and bedrock groundwater zones ranged from El. 3.25 to 12.78 ft NAVD88 (shallow), El. 6.16 to 9.67 ft NAVD88 (intermediate), El. 6.44 to 8.03 ft NAVD88 (deep), and El. 7.55 to 10.48 ft NAVD88 (bedrock).

The 50th percentile groundwater elevation for Site 132 was estimated to be El. 6.9 ft NAVD88 based on nine monitoring wells located on or adjacent to Site 132 gauged between May 2007 and December 2016. The monitoring well locations and data are included in **Appendix A**.

2.3 Recommended Remedial Action

Based on the findings of the RI, the recommended RA for soils at Site 132 included the excavation and removal of visible CCPW and soils with concentrations of Cr⁺⁶ greater than the CrSCC. It was anticipated that the presence of CCPW metals (antimony, total chromium, nickel, thallium, and vanadium) at concentrations greater than the CrSCC, SRS, DIGWSSLs, or the site-specific IGWSRS-GAGs would be resolved as a result of the excavation being driven by the presence of Cr⁺⁶ and visible CCPW impacts.

3.0 Identification of Applicable Remedial Standards/Criteria

3.1 Regulatory Requirements, Guidance, and Alternative/Site-Specific Determinations

The RAs described in the Remedial Action Work Plan (RAWP) (see **Section 4.1** for the RAWP submittal history) were performed in accordance with the following regulatory requirements, NJDEP Guidance, and Site-specific determinations:

- N.J.A.C. 7:9D – *Well Construction and Maintenance; Sealing of Abandoned Wells*, last amended January 2, 2018 (NJDEP, 2001).
- N.J.A.C. 7:26C – *Administrative Requirements for the Remediation of Contaminated Sites*, last amended August 6, 2018 (NJDEP, 1993a).
- N.J.A.C. 7:26D – *Soil Remediation Standards*, last amended September 18, 2017 (NJDEP, 2008a).
- N.J.A.C. 7:26E – *Technical Requirements for Site Remediation*, last amended August 6, 2018 (NJDEP, 1993b).
- NJDEP *Field Sampling Procedures Manual*, dated August 2005, last updated April 2011 (NJDEP, 2005).
- NJDEP *Technical Guidance for the Attainment of Remediation Standards and Site-Specific Criteria*, dated September 2012 (NJDEP, 2012c).
- NJDEP Memorandum from Lisa P. Jackson to Irene Kropp, Subject: *Chromium Moratorium*, February 8, 2007 (the Chromium Policy) (NJDEP, 2007).
- NJDEP *Chromium Soil Cleanup Criteria*, September 2008, revised April 2010 (NJDEP, 2008b).
- NJDEP *Administrative Consent Order*, dated July 19, 1990 (NJDEP, 1990).
- *Partial Consent Judgment Concerning the PPG Sites* (JCO) between NJDEP, PPG, and the City of Jersey City, June 26, 2009 (Superior Court of New Jersey Law Division - Hudson County, 2009).
- Letter from Mr. Thomas Cozzi to W. Michael McCabe, Subject: *Updated Method to Determine Compliance with the Department's Chromium Policy, Garfield Avenue – Sites 114, 132, 133, 135, 137, and 143, Jersey City, NJ*. August 13, 2013 (Method to Determine Compliance) (NJDEP, 2013).
- NJDEP Memorandum from Diane Groth to David Doyle, Subject: *PPG Garfield Avenue Group Sites, Adjacent Streets and Nearby Properties, Jersey City, NJ: Alternative Remediation Standard for Vanadium*, December 28, 2016 (NJDEP, 2016).
- August 2018 *Supplemental Soil Remedial Investigation Report, Final Revision 1, PPG Garfield Avenue Group, Hudson County Chromium Sites, Jersey City, New Jersey* (August 2018 SSRIR) (AECOM, 2018b), which presented the IGWSRS-GAG for antimony and nickel. The August 2018 SSRIR was approved by NJDEP on October 22, 2018 (NJDEP, 2018a).

3.2 Soil Remediation Standards/Criteria

For soil at Site 132, under the ACO and JCO, PPG is responsible for CCPW and CCPW-related impacts only; no MGP-related constituents were found to be emanating from Site 114 onto Site 132. Under the ACO and JCO, PPG is not responsible for any other constituents at concentrations exceeding NJDEP SRS, CrSCC, DIGWSSL, or IGWSRS-GAG that may be present at Site 132. Remediation of non-CCPW-related constituents, including historic fill, is the responsibility of the property owner under the LSRP program. This RAR addresses only the soil impacts for which PPG is responsible under the ACO and JCO.

The NJDEP SRS and other criteria relevant to the remediation at Site 132 are presented in **Table 3-1**.

4.0 Summary of Pre-Remedial Action Design Activities

Based on the findings of the RI (as summarized in **Section 2.0**), the recommended RA for soil at the Site included the excavation and removal of visible CCPW and soils with concentrations of Cr⁺⁶ greater than the CrSCC.

For the purposes of planning and implementing the RA, Site 132 was primarily identified as part of GA Group Phase 3A (which also included Site 143). A small portion of Site 132 was identified as part of GA Group Phase 3B North (which primarily included Site 137 North). Excavation in Site 132 was conducted concurrently with excavation in Site 143 and Site 137 North. Documentation of the RA for soil at Site 143 and Site 137 North is being provided in a separate document.

4.1 Summary of the Remedial Action Work Plan (Soil)

Following the preparation and submittal of the RIR (AECOM, 2012a), AECOM (on behalf of PPG) prepared a RAWP. A summary of the RAWP submittal/approval history is as follows:

- On April 17, 2012, PPG/AECOM issued the *Draft Remedial Action Work Plan (Soil), Rev. 2, Garfield Avenue Group – Sites 114, 132, 133, 135, 137 and 143, Jersey City, New Jersey* (2012 RAWP) (AECOM, 2012d).
- On May 11, 2012, NJDEP found the 2012 RAWP to be administratively complete and issued a Conditional Approval in a letter from Thomas J. Cozzi to M. Michael McCabe, Subject: *Remedial Action Work Plan (Soil), Rev. 2, Garfield Avenue Group – Sites 114, 132, 133, 135, 137 and 143, Jersey City, New Jersey* (NJDEP, 2012b).
- On December 5, 2014, PPG/AECOM issued the *Draft Remedial Action Work Plan (Soil) Rev. 3, Garfield Avenue Group – Sites 114, 132, 133, 135, 137 and 143, Jersey City, New Jersey* (Draft 2014 RAWP) (AECOM, 2014n), documenting compliance with the conditions of NJDEP's Conditional Approval.
- On February 28, 2018, Weston Solutions, Inc. (Weston), on behalf of NJDEP, issued an email that requested minor editorial changes to the Draft 2014 RAWP (Weston, 2018a).
- On May 15, 2018, PPG/AECOM issued the *Final Remedial Action Work Plan (Soil) Rev. 3, Garfield Avenue Group Sites, Jersey City, New Jersey* (Final RAWP Rev. 3) (AECOM, 2018a).
- On July 12, 2018, Weston, on behalf of NJDEP, issued an email that requested one additional minor editorial change to the Final RAWP Rev. 3 (Weston, 2018b).
- On August 21, 2018, on behalf of the City of Jersey City, Environmental Remediation and Financial Services, LLC (ERFS) provided comments on the Final RAWP Rev. 3 (ERFS, 2018a), which was distributed by the Site Administrator by email on August 21, 2018.
- On September 27, 2018, PPG/AECOM issued the *Final Remedial Action Work Plan (Soil) Rev. 4, Garfield Avenue Group Sites, Jersey City, New Jersey* (Final RAWP Rev. 4) (AECOM, 2018c).
- On October 10, 2018, on behalf of the City of Jersey City, ERFS provided concurrence on the Final RAWP Rev. 4 (ERFS, 2018b).

- On November 9, 2018, NJDEP approved the Final RAWP Rev. 4 (NJDEP, 2018b).

The overall objectives for Cr⁺⁶ and CCPW-impacted soil, as stated in the RAWP were:

- Elimination of potential exposure to Cr⁺⁶ in CCPW and CCPW-impacted soil (Cr⁺⁶ at concentrations greater than 20 milligrams per kilogram [mg/kg]) due to direct contact or windborne dust;
- Removal of accessible impacted soil at depths less than 20 ft bgs and above the meadow mat;
- Removal of CCPW and certain impacted soil to depths greater than 20 ft bgs but to a maximum of 35 ft bgs where: a) the meadow mat is not present, and b) removal is technically prudent and beneficial to the future groundwater remediation; and
- Establishment of site conditions suitable for future uses of the Site.

The selected RA for Cr⁺⁶ and CCPW-impacted soil (AOC 132-1) was excavation (in areas where the impacted soil was present and accessible) to depths no deeper than 35 ft bgs, and off-site disposal. Excavation of soil containing Cr⁺⁶ was to meet the Chromium Policy (NJDEP, 2007) by following the Method to Determine Compliance (NJDEP, 2013). Meadow mat, where present, was to be protected to the extent practical since it provides a natural barrier to chromium migration and can reduce Cr⁺⁶ to trivalent chromium.

Excavation areas were to be backfilled with soil suitable for residential, commercial, or other possible purposes. In areas where deemed necessary, a capillary break was to be installed between groundwater and the ground surface to eliminate the chance of chromate crystallization from impacted groundwater wicking to the surface. As described in the *Capillary Break Design Final Report (Revision 2)* (AECOM, 2017g), it was determined that a capillary break was required within a portion of Site 132. Note that the capillary break and related institutional controls are part of the groundwater remedy and will be addressed in the groundwater Remedial Action Permit (and not as part of the soil remediation).

To improve the design of the RAWP, several pre-design activities were planned. These activities were to include actions such as soil borings, test pits, utility surveys, geotechnical assessments and sampling, and obtaining permits where required. The goals of these events were: to define the limits of excavation and the locations of underground utilities under adjacent road ways; to obtain geotechnical data for design of excavation support; and to determine the depth of excavation in specific grids.

Sampling in soil borings prior to excavation (i.e., pre-excavation sampling) would be used to define the proposed terminal excavation elevation (TEE) for specific grids, subject to review and concurrence by NJDEP. Technical Execution Plans (TEPs) were to be prepared and submitted to NJDEP to define the sample collection and excavation methods to be used.

The excavation was to be implemented on a 30-ft by 30-ft grid pattern. To determine compliance with the remediation objectives, post-excavation sampling of pit bottoms and sidewalls or sampling in soil borings prior to excavation (i.e., pre-excavation sampling) was to be conducted in excavation areas, with analysis for Cr⁺⁶. Sidewall sampling was not required under the following circumstances: 1) where excavation grids were enclosed by shoring, or 2) where the adjacent grids were to be excavated under a different phase of work.

The final phase of remedial activities to be conducted at Site 132 was to include site restoration activities before demobilization from the area.

4.2 Summary of the Technical Execution Plan and Related Activities

4.2.1 Proposed Terminal Excavation Elevations and Pre-Design Investigation

Proposed TEEs for the Site 132 excavation were provided in a series of memoranda from PPG/AECOM to NJDEP/Weston and responses to comments from PPG/AECOM. The memoranda typically included detailed information demonstrating how the final excavation depth in each grid would comply with the Cr⁺⁶ decision trees in the Method to Determine Compliance (NJDEP, 2013).

As part of the pre-RA activities, and in an effort to better define the TEEs and planned excavation, pre-design investigation (PDI) activities were implemented. The proposed TEEs for Site 132 were primarily included in the Phase 3A Terminal Excavation Elevation submittals. Grids along the eastern boundary of Site 132 were included in the Phase 3B submittals.

4.2.1.1 Phase 3A

The following is a listing of the deliverables and correspondence that detailed the proposed TEEs and PDI investigation activities in Phase 3A (which includes Site 132):

Submittal 1

- On June 19, 2013, PPG/AECOM submitted the technical memorandum entitled *PPG Sites 132 and 143, Excavation Depths in Phase 3A; Rows A'-M, Columns 15A-30A* (AECOM, 2013a).
- On July 10, 2013, Weston, on behalf of NJDEP, provided comments on AECOM's June 19, 2013 memorandum (Weston, 2013a).
- On September 6, 2013, PPG/AECOM submitted the technical memorandum entitled *Response to Weston's 7/10/13 comments on "PPG sites 132 and 143, Excavation Depths in Phase 3A; Rows A'-M, Columns 15A-30A"* (AECOM, 2013c).
- On November 15, 2013, Weston, on behalf of NJDEP, provided comments on AECOM's September 6, 2013 response memorandum (Weston, 2013c).

Submittal 2

- On November 8, 2013, PPG/AECOM submitted the technical memorandum entitled *PPG Site 114, Excavation Depths in Phase 3A* (AECOM, 2013e).
- On November 25, 2013, Weston, on behalf of NJDEP, provided comments on AECOM's November 8, 2013 memorandum (Weston, 2013d).
- On January 22, 2014, PPG/AECOM submitted the technical memorandum entitled *Response to Weston's Review of the AECOM Response to Weston's 7/10/13 Comments on "PPG Sites 132 and 143, Excavation Depths in Phase 3A, Priority Grids; Rows A'-M, Columns 15A-30A"* (AECOM, 2014b), which provided responses to Weston's November 15, 2013 comments on Submittal 1 and Weston's November 25, 2013 comments on Submittal 2.
- On February 12, 2014, Weston, on behalf of NJDEP, provided comments on AECOM's January 22, 2014 memorandum (Weston, 2014b).

Submittal 3

- On May 23, 2014, AECOM/PPG submitted the technical memorandum entitled *Phase 3A Southwest Terminal Excavation Elevation Supplemental Submittal* (AECOM, 2014f).
- On June 10, 2014, Weston, on behalf of NJDEP, provided comments on AECOM's May 23, 2014 memorandum (Weston, 2014f).
- On July 1, 2014, PPG/AECOM submitted the technical memorandum entitled *Response to NJDEP 6/24/14 [sic] Comments to the Phase 3A Southwest Terminal Excavation Elevation Supplemental Submittal* (AECOM, 2014j) in response to Weston's June 10, 2014 comments.
- On July 10, 2014, Weston, on behalf of NJDEP, provided an email confirming that the responses provided in AECOM's July 1, 2014 memorandum were acceptable (Weston, 2014i).

Submittal 4

- On June 6, 2014, AECOM/PPG submitted the technical memorandum entitled *PPG Site Garfield Avenue Group Sites 132 and 143, Request for Revision to Phase 3A Terminal Excavation Elevations (Grids A'15A and A23A)* (AECOM, 2014h).
- On June 23, 2014, Weston, on behalf of NJDEP, provided comments on AECOM's June 6, 2014 memorandum (Weston, 2014g). A correction to their email was issued on June 26, 2014 (Weston, 2014h).
- On July 1, 2014, PPG/AECOM submitted the technical memorandum entitled *PPG Garfield Avenue Group, Sites 132 and 143, Request for Revision to Phase 3A Terminal Excavation Elevations (Grids A'15A and A23A) (Revision 1)* (AECOM, 2014i).
- On July 18, 2014, Weston, on behalf of NJDEP, provided concurrence on AECOM's July 1, 2014 memorandum (Weston, 2014j).

Submittal 5

- On August 8, 2014, PPG/AECOM submitted the technical memorandum entitled *Phase 3A Southwest Terminal Excavation Elevation Tertiary Submittal* (AECOM, 2014k).
- On August 27, 2014, Weston, on behalf of NJDEP, provided conditional concurrence on AECOM's August 8, 2014 memorandum (Weston, 2014l).
- On September 10, 2014, PPG/AECOM provided an email documenting concurrence with Weston's August 27, 2014 email (AECOM, 2014m).

4.2.1.2 Phase 3B

The following is a listing of the deliverables and correspondence that detailed the proposed TEEs and PDI investigation activities in Phase 3B (which includes Grid Row L and part of Grid Row M, on the eastern side of Site 132):

- On August 19, 2013, PPG/AECOM submitted the technical memorandum entitled *PPG Target Excavation Depths in Phase 3B & 3C* (AECOM, 2013b).
- On September 4, 2013, Weston, on behalf of NJDEP, provided comments on AECOM's August 19, 2013 memorandum (Weston, 2013b).

- On January 22, 2014, PPG/AECOM submitted the technical memorandum entitled *PPG Supplemental Terminal Excavation Elevations in Phase 3B & 3C* (AECOM, 2014a).
- On February 12, 2014, Weston, on behalf of NJDEP, provided comments on AECOM's January 22, 2014 memorandum (Weston, 2014c).
- On April 10, 2014, PPG/AECOM submitted the technical memorandum entitled *Response to Weston's 9/4/13 comments on "PPG Target Excavation Depths in Phase 3B & 3C"* (AECOM, 2014c).
- On April 28, 2014, Weston, on behalf of NJDEP, determined that PPG/AECOM's responses in the April 10, 2014 submittal were adequate (Weston, 2014d).

NJDEP/Weston and PPG/AECOM considered various approaches to confirmation sampling in and around the former Town & Country building area within Phase 3A (see **Figure 1-2**), which were documented in TEE memoranda, comments, and response-to-comments correspondence (between June 19, 2013 and January 22, 2014). Ultimately, NJDEP/Weston concurred (Weston, 2014b) with the proposed approach that relied on PDI sampling results and only included excavation sidewall samples where the excavation was not defined by sheeting/shoring (consistent with the requirements of the NJDEP *Technical Guidance for the Attainment of Remediation Standards and Site-Specific Criteria*, dated September 2012 [NJDEP, 2012c]) to document compliance with the RAWP.

4.2.2 Technical Execution Plan

The TEPs for Site 132 provided more detailed information on the planned RA including descriptions of the remediation activities and goals as well as depictions of the anticipated horizontal extent of excavation and shoring and the post-excavation sampling approach. The TEP submittal history for Site 132 is provided below.

4.2.2.1 Southwestern (SW) Area TEP

- On March 9, 2012, PPG/AECOM issued the *Technical Execution Plan, Southwestern Area Soil Excavation; PPG Site 114 – Garfield Avenue, Jersey City, New Jersey* (SW Area TEP) (AECOM, 2012b) and the Response to Comments reference table.
- On March 27, 2012, the NJDEP conditionally approved the SW Area TEP (NJDEP, 2012a).
- On April 23, 2012, PPG/AECOM submitted the *Final Technical Execution Plan, Southwestern Area Soil Excavation, PPG Site 114 – Garfield Avenue, Jersey City, New Jersey* (AECOM, 2012e).

4.2.2.2 Phase 3A TEP (Includes Site 132)

- On October 30, 2013, PPG/AECOM issued the *Technical Execution Plan, Southwest TEP Addendum (Phase 3A Area Soil Excavation), PPG Site 132 and 143 – Garfield Avenue, Jersey City, New Jersey* (Phase 3A TEP) (AECOM, 2013d).
- On December 4, 2013, Weston, on behalf of NJDEP, provided comments on the Phase 3A TEP (Weston, 2013e).
- On December 20, 2013, PPG/AECOM issued the *Technical Execution Plan (Revision 1), Southwest TEP Addendum (Phase 3A Area Soil Excavation), PPG Site 132 and 143 – Garfield Avenue, Jersey City, New Jersey* (Phase 3A TEP – Revision 1) (AECOM, 2013g).

4.2.2.3 Phase 3B TEP (Includes Site 132)

Note that only the eastern most grids of Site 132 (Grid Row L and a portion of Grid Row M) are located in Phase 3B North.

- On December 12, 2013, PPG/AECOM issued the *Southwest TEP Addendum (Phase 3B Area Soil Excavation), PPG Sites 133W, 137A and 137B – Garfield Avenue, Jersey City, New Jersey* (Phase 3B TEP) (AECOM, 2013f).
- On February 5, 2014, Weston, on behalf of NJDEP, provided comments on the Phase 3B TEP (Weston, 2014a).
- On April 10, 2014, PPG/AECOM issued a response to Weston/NJDEP's comments on the Phase 3B TEP (AECOM, 2014d).
- On April 29, 2014, Weston, on behalf of NJDEP, provided an evaluation (Weston, 2014e) of PPG/AECOM's response to comments on Phase 3B TEP (AECOM, 2014d).
- On May 23, 2014, PPG/AECOM issued a response to comments (AECOM, 2014g) on Weston/NJDEP's evaluation of the response to comments for the Phase 3B TEP (Weston, 2014e).
- On August 1, 2014, PPG/AECOM issued the *Technical Execution Plan (Revision 1), Southwest TEP Addendum (Phase 3B Area Soil Excavation), PPG Sites 133W, 137A and 137B – Garfield Avenue, Jersey City, New Jersey* (Phase 3B TEP – Revision 1) (AECOM, 2014l).
- On August 19, 2014, Weston, on behalf of NJDEP, provided concurrence on the Phase 3B TEP – Revision 1 (Weston, 2014k).

5.0 Description of the Remedial Action

The RA at AOC 132-1 (CCPW-impacted soil in Site 132) included the excavation of CCPW and visible CCPW-impacted soil, off-site transport and disposal of affected soil, backfilling of the excavations, and restoration of the affected areas. It was anticipated that the presence of CCPW metals (antimony, total chromium, nickel, thallium, and vanadium) at concentrations greater than the CrSCC, SRS, DIGWSSLs, or IGWSRS-GAGs would be resolved as a result of the excavation being driven by the presence of Cr⁺⁶ and visible CCPW.

The RA was performed in accordance with the NJDEP-conditionally-approved RAWP (AECOM, 2012d) as described in **Section 4.1**, and TEPs and TEE submittals, as described in **Section 4.2**.

Preparatory activities for the remediation of the GA Group Sites, overall, began in 2010 with obtaining regulatory permits and/or approvals to facilitate implementation of RA. Mobilization and preparation for RA of the GA Group Sites began in June 2010.

AECOM served as the remediation engineer. Mueser Rutledge Consulting Engineers served as the geotechnical/structural engineer.

WCD Group, LLC of Pennington, NJ served as Construction Manager as Agent (CMAA) to manage and coordinate the work of multiple contractors hired by PPG to perform the required remedial construction and support work during the excavation activities in Phases 3A and 3B North until mid-March 2015, at which time AECOM took over as CMAA.

AECOM performed the air monitoring at the Site during demolition and excavation activities, in accordance with the December 2010 Revision of the *Air Monitoring Workplan for Ground Intrusive Activities at the Garfield Avenue Site in Jersey City, New Jersey* (AMP) and applicable AMP Amendments (07, 10, 11 (Rev 01), 13 (Rev 01 and Rev 03), 15 (Rev 04), and 20) (AECOM, 2010b).

ENTACT Environmental Services of Latrobe, Pennsylvania (ENTACT) performed the remedial construction activities at the Site. These services consisted of coordination and disconnection of utilities, excavation and backfilling, decontamination, demolition, dewatering, and Site restoration.

WTS Transportation Services, LLC coordinated transportation and disposal of the waste streams generated from the RA activities.

The following sections summarize the RA activities as implemented.

5.1 Pre-Construction Activities

The following activities were conducted prior to starting excavation of CCPW and CCPW-impacted soils:

- Obtaining access agreement from property owner.
- Approval of permit applications and plans submitted to the state and local agencies.
- Implementation of a Soil Erosion and Sediment Control Plan (SESCP).

- Implementation of the AMP.
- Development of a site-specific Health and Safety Plan (HASP).
- Site utility clearance activities.
- Abandonment of monitoring wells located within the extent of excavation.
- Mobilization of equipment and set up of temporary facilities.
- Establishment of work zones.
- Demolition of existing structures.
- Installation of excavation shoring.

The necessary permits were obtained from and approved by the state, local, and county agencies prior to initiation of activities covered by the permits as detailed in **Section 7.6**. Necessary permits and approvals are documented in **Appendix B**.

Access agreements were obtained from the Site property owner, JCRA.

Pre-construction activities including mobilization and placement of jersey barriers and temporary fencing, implementation of the SESCO, establishment of work zones, and utility clearance were performed from June 2013 through August 2013. Additional support facilities at Site 132 (beyond those installed on Site 114 for the GA Group Sites) were installed between December 2013 and February 2014. The erosion and sediment controls consisted primarily of the placement of hay bales to contain soil that was potentially displaced during remedial activities. Hay bales were placed in areas where contractors were actively working at the Site and were relocated throughout the remediation activities, as needed, in accordance with the SESCO. Hay bales were typically installed along the downgradient perimeter of the Site.

The AMP was developed to provide specific procedures for measuring, documenting, and responding to potential airborne impacts during remedial activities at the Site. The AMP was approved by NJDEP prior to the initiation of work.

A HASP was developed for the RA at the GA Group Sites (including Site 132) in accordance with the Occupational Safety and Health Act (OSHA) 1910.120. The HASP documents policies and procedures to be followed to protect workers and the public from potential hazards posed at the GA Group Sites. The HASP includes training program protocols, a medical surveillance program, equipment maintenance programs, personal hygiene practices, a project air monitoring plan, a dust control plan, and other information.

In addition to contacting the New Jersey One-Call system, a utility survey was conducted prior to undertaking intrusive Site activities. A private utility locator, Enviroscan, Inc. of Lancaster, Pennsylvania, performed a geophysical survey to mark underground utilities (gas, sewer, water, phone, cable, electrical, etc.) that existed within the proposed excavation area. As part of pre-demolition of the building on Site 132, building utilities were disconnected and capped at the street. Electric and natural gas utilities were disconnected by PSEG and sewer and potable water service was cut and capped under the supervision of the Jersey City Municipal Utilities Authority (JCMUA).

Monitoring wells DPT-7 (permit number E201307055), DPT-8 (permit number E201307056), DPT-9 (permit number E201307057), DPT-10 (permit number E201307058), DPT-11 (permit number E201307059), DPT-12 (permit number E201307060), and RW-3 (permit number E201307046), that

were installed as part of a dewatering test during the RA, were properly decommissioned by NJ-licensed well drillers in accordance with the NJDEP's *Well Construction and Maintenance; Sealing of Abandoned Wells* (N.J.A.C. 7:9D) (NJDEP, 2001). Because these wells were both installed and decommissioned as part of the RA, well permits, well records, and well decommissioning documentation are included in **Appendix C**.

Equipment was delivered during the initial mobilization phase for RA activities at the GA Group Sites and on an as-needed basis as work progressed. Temporary facilities including field office trailers, sanitary facilities, and Conex/intermodal boxes for equipment storage were mobilized onto Site 114 and set up for use during RAs. As remediation progressed, some support trailers were relocated to Sites 132, 133 East, and 135 to improve logistics.

Work zones were established to exclude unauthorized personnel from entering the Site and to prevent contamination from being tracked off Site or into clean work zones. The following work zones were established:

- A Secure Zone was established to exclude unauthorized personnel from entering the Site. The Secure Zone consisted of a steel chain link fence and locking gates. Warning signs were placed on the fence to prevent unauthorized entry into work areas.
- A Support Zone was established to stage office trailers, sanitary facilities, and Conex/intermodal storage boxes, and provide for vehicle parking.
- An Exclusion Zone encompassed areas associated with impacted material and/or heavy equipment hazards. Temporary fencing was installed to isolate the exclusion zones and modified Level D personal protective equipment (PPE), including Tyvek, was required when working in the exclusion zone.
- A Contamination Reduction Zone and a truck decontamination pad were constructed for transition from the Exclusion Zone. The Contamination Reduction Zone prevented the track-out of sediment onto off-Site streets other paved areas, and onto sidewalks from vehicles and personnel exiting the Site.

The building on Site 132, a one-story structure, was demolished in July 2013, and the building slab was left behind to be removed as part of the excavation activities. Prior to the demolition of the buildings, pre-demolition activities including utility cutoffs and asbestos abatement were required prior to issuance of a demolition permit. An abatement contractor was acquired to remove universal waste materials and asbestos-containing material (ACM). Following the asbestos abatement, a NJ-Certified industrial hygienist certified the post-abatement air quality. The contractor demolished the structure down to the concrete slabs, segregated waste streams, and disposed of the waste in accordance with local, state (including New Jersey Department of Transportation [NJDOT]), and federal regulations.

Excavation shoring was installed in Phase 3A between March and September 2014 along a portion of Carteret Ave on the northern side of Site 132, between Grid Rows F and G through the center of Site 132, and at the southern property boundary of Site 132 (see **Figures 5-1** through **5-3**). Shoring consisted of steel sheet piling.

5.2 Excavation

In accordance with the Phase 3A TEP – Revision 1 (AECOM, 2013g) and Phase 3B TEP – Revision 1 (AECOM, 2014I), the soil at Site 132 was excavated in 30-foot-by-30-foot-grid cells. Specifically, Site 132 includes Rows A' through F (extending from west to east) and Columns 30A through 20A

(extending from south to north), and Rows G through M (extending from west to east) and Columns 30A through 15A (extending from south to north).

Soil analytical results from the RI soil boring program and the PDI soil boring program were used to determine the planned depth of the excavation for each grid. However, at Site 132, some grids were not planned to be excavated based on the RI and PDI results. See **Section 2.0** for further information regarding the RI and **Section 4.0** for further information regarding the PDI activities, planned TEEs, and TEPs. Once excavation began, most of these planned “no excavation grids” were excavated to some extent due to field observations of CCPW impacts in adjacent grids or to facilitate removal of the former building slab. In the end, all but two of the grids in Site 132 were excavated; partial Grids A25A and A26A along Garfield Avenue were not excavated.

Excavation of Site 132 occurred during Phase 3A and Phase 3B North remediation activities. As shown on **Figure 1-2**, most of Site 132 was in Phase 3A except Grid Rows L and M which were in Phase 3B North. Excavation of the Site 132 portion of Phase 3A took place between April 7, 2014 and September 5, 2014 as part of the Phase 3A remediation activities. Note that excavation in Phase 3A began on March 6, 2014 on adjacent Site 143. Excavation of the portion of Site 132 located in Phase 3B North (Grid Rows L and M) was conducted between May 7, 2014 and April 8, 2015. Excavation of the Site 132 portion of Phase 3B North occurred concurrently with excavation of the Site 137 North portion of Phase 3B North because the excavation progressed from north to south rather than from west to east.

Excavation was performed by ENTACT utilizing an excavator. As excavation of CCPW-impacted material within the excavation proceeded, an excavator with a hammer attachment was used to break up existing slabs, concrete, or other concrete obstacles, such as building foundations, within the limits of the excavation to allow access to underlying soils.

AECOM implemented dust control measures at Site 132, in accordance with the March 2011 Revision of the Dust Control Plan (DCP) and applicable DCP Amendments, during excavation, stockpiling, transportation, backfilling, and associated activities during the RA. Results of the air monitoring and sampling during the Site 132 activities were documented as part of the activities associated with the larger scale GA Group Sites, available on the Chromium Cleanup Website (<http://www.chromiumcleanup.com/>, last accessed in November 2018) in the form of Monthly Reports and Event Documentation Reports. The concentrations and the short-duration metrics demonstrate that the dust control measures were effective at maintaining Cr⁺⁶ in dust at concentrations less than the Acceptable Ambient Concentration (AAC).

ENTACT verified vertical excavation extents using global positioning system (GPS) survey equipment to document that proposed excavation depths were achieved. Once the excavation limits were met to the targeted depths within each grid cell, a representative from Weston and/or an AECOM geologist inspected the completed excavation for visible CCPW. If visible CCPW was noted, excavation would continue in half-foot increments until inspection revealed that there was no CCPW present. Post-excavation samples were collected, if required, to document compliance in accordance with the Method to Determine Compliance (NJDEP, 2013). **Figures 5-1 through 5-3** depict the grid layout of Site 132 and the final as-built TEEs.

Excavated materials were live-loaded into lined dump trucks where possible. Soil stockpiles were not used during this excavation. Concrete was stockpiled to be sized prior to load out in accordance with the Soil and Stockpile Management Plan for the GA Group Sites included in the 2012 RAWP (AECOM, 2012d). The stockpiles were located on un-remediated portions of the Site. Since the stockpile locations were to undergo excavation as part of a subsequent phase of work, post-removal

soil samples were not collected from below the stockpiles. During times when excavation was progressing, but trucks were not on site, day piles were created in areas that had not yet been remediated, adjacent to or within the excavation. The ground surface was pitched so that liquid that may have drained out of the soils returned into the excavation prior to its transport for off-site disposal (see **Section 7.4** on waste generation and disposal).

Surface water runoff, storm water, groundwater entering the excavation, and decontamination wastewater were transferred by pump to the GA Group Sites groundwater treatment plant located on Site 114.

As part of a Project Authorization from the NJDEP Historic Preservation Office (HPO), archaeological monitoring was required when the excavation progressed to the footprint of the Former Morris Canal, as well as within a 25-foot buffer on either side of the former Morris Canal. The Former Morris Canal was located in Site 132 close to the eastern property boundary and occupied most of Grid Rows K and L. Hunter Research of Trenton, NJ provided archaeological monitoring services during the remediation of Site 132. Hunter Research prepared the Archaeological Monitoring Report for Site 132 and submitted it to the NJDEP HPO on August 31, 2017. The project authorization from the NJDEP HPO is included in **Appendix B**.

5.3 Post-Excavation Soil Sampling

During the course of RA activities, post-excavation pit bottom samples were collected, if required, to document compliance with the Chromium Policy (NJDEP, 2007) in accordance with the Method to Determine Compliance (NJDEP, 2013). Post-excavation sidewall samples were collected only from the sidewalls of grids not bounded by other excavation grids or the shoring line. Sidewall samples, where necessary, were collected every 30 linear ft and at two-ft depth intervals. Supplemental sidewall confirmation samples were collected in 2017 as described in **Section 5.4**.

In the event that the excavation was expanded to remove visible CCPW beyond the original proposed excavation extents, either post-excavation samples or samples from soil borings prior to excavation (i.e., pre-excavation sampling) were used as confirmation samples. In addition, the areas were visually inspected by the Site Administrator's independent technical consultant, Weston, and/or an AECOM geologist to confirm that the excavation bottom and sidewalls were free of visible CCPW.

The post-excavation/confirmation samples were analyzed for:

- Cr⁺⁶ using United States Environmental Protection Agency (USEPA) SW-846 Method 3060A digestion and USEPA SW-846 Method 7196A, as modified by NJDEP;
- pH using USEPA SW-846 Method 9045C, D;
- Redox Potential using method ASTM International Method D1498-76M; and
- Total chromium, antimony, nickel, thallium, and vanadium using USEPA SW-846 Method 6010C (in 10% of selected samples only, per the RAWP [see **Section 4.1** for the RAWP submittal history] and Field Change Notification SWTEP 1 discussed in **Section 5.5**).

Additional excavation (re-dig) was completed where post-excavation soil samples exceeded the CrSCC (see **Section 3.0**). Typically, in these circumstances, the full 30-ft by 30-ft grid was excavated to remove the CrSCC exceedance(s).

Figures 5-1 through 5-3 and Tables 5-1 through 5-3 present data for locations within the Site 132 boundary that have samples remaining in place. In addition, locations from outside the Site 132

boundary and/or removed samples may be shown to demonstrate compliance with the RA objectives. Laboratory analytical reports and data validation reports for the data presented in these tables are included in **Appendix D** and **Appendix E**, respectively. The laboratory electronic data deliverables (EDDs) passed submission and have been logged into the NJDEP database, as documented in **Appendix D**.

5.4 Supplemental Confirmation Sampling Activities

During the preparation of the draft RAR tables and figures for Site 132, it was recognized that additional confirmation sampling was required for NJDEP approval. The following sequence of communications resulted:

- On June 23, 2017, PPG/AECOM submitted draft Site 132 RAR tables and figures to NJDEP/Weston (AECOM, 2017b).
- On August 25, 2017, NJDEP/Weston provided comments on the draft Site 132 RAR tables and figures, indicating that additional post-excavation sidewall sampling was required at the Site (Weston, 2017a).
- On October 3, 2017, PPG/AECOM submitted the *Site 132 Sidewall Sampling Plan* (the Work Plan) to NJDEP/Weston to conduct the requested post-excavation sidewall sampling within Site 132 (AECOM, 2017e).
- On October 11, 2017, NJDEP/Weston concurred with the Work Plan (Weston, 2017b).

The additional sampling was implemented in accordance with the Work Plan on November 3, 14, and 15, 2017. The sampling locations are included on **Figure 5-1** and **Figure 5-2**. The results of the additional sampling are included in **Table 5-1** and **Table 5-2**. The laboratory analytical data and data validation reports are included in **Appendix D** and **Appendix E**, respectively. The boring logs are included in **Appendix F**.

5.5 Field Change Notifications

Field changes made during implementation of the TEPs were documented in Field Change Notification forms. Field Change Notifications relevant to the RA activities at Site 132 are listed in **Table 5-4**.

6.0 Reliability of Data: Data Validation and Usability

6.1 Data Validation

Data validation was performed by AECOM to evaluate whether the analytical data collected to demonstrate compliance with the RA objectives were scientifically defensible, properly documented, of known quality, and met RA objectives. Data validation included the review of analytical procedures, quality control (QC) results, calibration procedures, data reduction, and completeness of the laboratory data packages as specified in the soil RIWP (AECOM, 2011a) and Field Sampling Plan – Quality Assurance Project Plan (FSP-QAPP) (AECOM, 2010a). Deficiencies noted were communicated to the laboratory and resolutions were documented in the data validation reports. If appropriate, data were qualified for use as described later in this section.

The laboratory analytical data packages (**Appendix D**) were reviewed in accordance with the FSP-QAPP (AECOM, 2010a), the NJDEP validation Standard Operating Procedures (SOPs) for Cr⁺⁶ and inorganic data, and USEPA Region 2 metals validation guidelines. The following NJDEP validation guidelines served as the basis for the actions taken during validation:

- NJDEP Office of Data Quality *SOP 5.A.10, Rev 3 (September 2009), SOP for Analytical Data Validation of Hexavalent Chromium – for USEPA SW-846 Method 3060A, USEPA SW-846 Method 7196A and USEPA SW-846 Method 7199* (NJDEP, 2009); and
- NJDEP Office of Data Quality *SOP 5.A.16, Rev 1 (May 2002), Quality Assurance Data Validation of Analytical Deliverables for Inorganics (based on USEPA SW-846 Methods)* (NJDEP, 2002).

Where USEPA Region 2 inorganic validation guidelines were also used in assessing metals, the most current guidance in effect at the time of validation was used; the specific revision used is listed in each data validation memorandum provided in **Appendix E**. The link to USEPA Region 2 validation guidance on the USEPA website is shown below:

- <https://www.epa.gov/quality/region-2-quality-assurance-guidance-and-standard-operating-procedures> (last accessed in November 2018).

The level of validation ranged from a comprehensive validation according to the NJDEP guidelines to a limited validation based on QC summary information or completeness reviews, depending on the analyte and matrix. The validation procedures for the Cr⁺⁶ data included full validation, which involved a comprehensive review of both summary forms and raw data, whereas the metals data received limited validation. Limited validation for metals data was based on information provided by the laboratory on its QC summary forms and did not include raw data review. At a minimum, limited validation included validation of the following data elements:

- Agreement of analyses conducted with chain-of-custody (COC) requests;
- Holding times and sample preservation;
- Method blanks/field equipment blanks/trip blanks;
- Surrogate spike recoveries;

- Laboratory Control Samples (LCS) or equivalent results;
- Matrix Spike (MS)/Matrix Spike Duplicate (MSD) results;
- Laboratory duplicate results;
- Field duplicate results; and
- Quantitation limits and sample results (limited to evaluating dilutions and re-analyses).

Full validation was conducted on the Cr⁺⁶ data. Full validation included each of the data elements listed for limited validation along with review of calibration data and raw data, and spot checks for verification of calculations.

Validation reports were prepared for each data package that was validated. The validation reports are provided in **Appendix E**. The reports summarize the samples reviewed, parameters reviewed, nonconformance with the established criteria, and validation actions (including application of data qualifiers) presented in accordance with the NJDEP “hit list” format. Validation data qualifiers were based on the USEPA Region 2 validation guidelines for organic data and the NJDEP validation SOPs for the Cr⁺⁶ and inorganic data. The following qualifiers are used in data validation:

- J Indicates the result was an estimated value; the associated numerical value was an approximate concentration of the analyte in the sample. J+ or J- is used when the direction of bias can be determined.
- U Indicates the analyte was not detected in the sample above the sample reporting limit.
- UJ Indicates the analyte was not detected above the reporting limit and the reporting limit was approximate.
- UB The analyte concentration is less than or equal to three (3) times the concentration in the associated method/preparation blank. The presence of the analyte in the sample is negated due to laboratory blank contamination.
- JB The analyte concentration is greater than three (3) times, but less than or equal to ten (10) times the concentration in the associated method/preparation blank. The presence of that analyte in the sample is considered “real” but the concentration is quantitatively qualified due to method blank contamination.
- R The sample result was rejected due to serious deficiencies; the presence or absence of the analyte could not be confirmed.
- RA The sample result was rejected due to NJ-specific data validation QC requirements; however, the result is usable for project objectives. Refer to the Data Quality and Usability section of the data validation report for further information.

6.2 Data Usability Assessment

Soil samples collected to demonstrate compliance with the RA objectives were sent to Test America Laboratories (formerly Severn-Trent Laboratories) in Edison, NJ (NJ certification 12028) or SGS-Accutest Laboratories in Dayton, NJ (NJ Certification 12129). The analyses were performed in accordance with USEPA- and NJDEP-approved analytical protocols in place at the time the analyses were performed. Quality assurance analytical measures were implemented in accordance with the

NJDEP TRSR (N.J.A.C. 7:26E) (NJDEP, 1993b) and complied with the requirements for a NJDEP-certified laboratory specified in *Regulations Governing the Certification of Laboratories and Environmental Measurements* (NJDEP, 1981). Specific quality control issues identified during validation are documented in the individual data validation reports provided in **Appendix E**. Results of the data validation indicated that, in general, the analytical data were of adequate quality to meet the project objectives. However, there were some quality assurance (QA)/QC issues identified during data validation that resulted in rejection of data or qualification of data as estimated.

Data usability was evaluated using the data quality indicators of precision, accuracy, representativeness, comparability, completeness, and sensitivity. Data that were not rejected during validation are regarded as usable.

Certain Cr⁺⁶ results that were rejected due to failure of the matrix spikes to meet the NJDEP-specified control limits of 50-150% were qualified “RA” to indicate the result may have value for information purposes. This qualifier is typically used for Cr⁺⁶ where the spiked sample matrix appears to be reducing and would not be expected to support the presence of Cr⁺⁶. The presence of other indicators of a reducing environment such as total organic carbon (TOC), sulfide, or ferrous iron is a factor in the decision to utilize the “RA” qualifier.

6.2.1 Precision

Precision is the measure of agreement among repeated measurements of the same property under identical or substantially similar conditions and includes both field and analytical components. The information used to evaluate precision included results for field duplicates, matrix duplicates, and laboratory duplicates. For the Site 132 RAR data set, relative percent difference (RPD) non-conformances were observed for field and laboratory duplicates associated with Cr⁺⁶ and CCPW metals.

Field precision was assessed through the collection and analysis of field duplicates and expressed as the RPD of the sample and field duplicate pair results. Field duplicate precision resulted in 2.7% of the data generated for the CCPW metals being qualified as estimated (J); the majority (2.5%) of the qualifiers for field duplicate precision was applied to total chromium and vanadium data. Approximately 12.8% of the Cr⁺⁶ results included field duplicate precision as a reason for qualification.

Laboratory precision was assessed through the RPD results for MS/MSDs, LCS/laboratory control sample duplicate (LCSD) pairs, and duplicate sample analyses. MS/MSDs and duplicate sample analyses do not reflect laboratory precision as purely as LCS/LCSDs since sample homogeneity, which can be a significant issue for soil samples, can impact the precision of sample and matrix spike duplicates. However, no differentiation of the applied reason code is made between LCS/LCSDs and MS/MSDs or sample duplicates. Overall, 11% of the Site 132 RAR data (primarily Cr⁺⁶ results) were qualified on the basis of laboratory precision; for the CCPW metals, two vanadium results and one antimony value were qualified on the basis of laboratory precision. Two Cr⁺⁶ results were also qualified for failure to meet the 20% RPD criteria between duplicate injection results associated with the ion chromatography analysis used in Method 7199.

6.2.2 Accuracy

Accuracy is the degree of agreement between an observed value and an accepted reference or true value. The results of LCS data, surrogate recoveries, method blanks, and MS/MSDs were used as the primary indicators of accuracy; information such as sample container type, preservation, and holding time was also considered as impacting to analytical accuracy. Some of this information was assessed

by the laboratory at the time of receipt (container type and preservation); other parameters were evaluated during the validation process.

Approximately 27% of the Cr⁺⁶ results reported for the Site 132 RAR were qualified “RA” to indicate the results were rejected since both initial and reanalysis spike recoveries fell outside control limits of 50-150%, but the sample matrix appeared to be reducing and, therefore, unable to support the presence of Cr⁺⁶; these results may provide further information for project decisions, but should be used with an understanding of the QC issues identified. None of the CCPW metals results associated with the RAR sampling were rejected.

Qualification of data as estimated (J/UJ) for accuracy was related to issues such as field or laboratory blank contamination, LCS results, MS results, and percent solids. A summary of the validation findings are presented by QC parameter type below.

The presence of target analytes in laboratory blanks and blanks related to field activities (i.e., field blanks) was cited as a reason for qualification of results for antimony and total chromium (<1% of reported values), and Cr⁺⁶ (<1% of reported values) in the RAR data set. For those blanks in which contaminants were detected, action levels were established per the NJDEP or USEPA Region 2 validation guidance documents. Associated sample results were qualified accordingly.

In the metals fraction 7.5% of the results were qualified based on MS and/or MSD recoveries. Approximately 52% of the Cr⁺⁶ results were flagged as estimated based on the results of soluble and/or insoluble spike recoveries outside the range of 75-125% but within the limits of 50-150%. Data points impacted by MS and/or MSD recoveries within this range were flagged as J or UJ; individual validation memoranda address the potential for high or low bias to sample results based on matrix interferences.

Moisture content greater than 50% resulted in selected data points being qualified as estimated (flagged as J or UJ). Approximately 5.5% of the metals results and 13.5% of the Cr⁺⁶ results were qualified on the basis of low percent solids.

6.2.3 Representativeness

The representativeness of any field program is a function of the planning and procedures used to collect the samples and the locations and density of samples collected. Sampling and preservation methods were based on established methods and SOPs outlined in the soil RIWP (AECOM, 2011a) and FSP-QAPP (AECOM, 2010a), which are known to minimize error associated with the disturbance of environmental samples from their natural setting.

Factors to be considered in evaluating representativeness are the use of standard analytical procedures, sample preservation, and the use of the appropriate sample container. The analytical methods, preservation procedures, and containers used in this program were as specified in the FSP-QAPP.

The moisture content of samples is also a factor in the representativeness of the data. In accordance with USEPA Region 2 validation guidance, samples containing more than 50% moisture were qualified as estimated. As noted previously, this requirement resulted in the qualification of approximately 5.5% of the CCPW metals data and 13.5% of the Cr⁺⁶ data.

6.2.4 Comparability

Comparability of the data in the RAR data set was maximized by using standard methods for sampling, analysis, and data validation.

6.2.5 Completeness

Completeness is the measure of the amount of valid data obtained from a measurement system; valid data are defined as those data judged to be usable (i.e., not rejected as a result of the validation process). For the RAR, 2,020 individual data points were generated. Of those data points, 326 Cr⁺⁶ results (16% of the total results generated) were qualified as “RA” to indicate that, although QC exceedances were identified, the results still had value for understanding site conditions; there were no rejected values associated with the CCPW metals. Since none of the Site 132 data was qualified as R, 100% of the results are considered usable for site decisions with an understanding of the quality issues identified during validation. The values qualified as “RA” do not meet the required 50-150% soluble and insoluble matrix spike recovery limits due to sample matrices which do not appear capable of supporting Cr⁺⁶. However, these results can be used for information purposes with a full understanding of the limitations as described in the data validation report.

6.2.6 Sensitivity

Analytical dilutions can be necessary due to the sample matrix or elevated concentrations of target or non-target analytes. The detection limits reported by the laboratory were adjusted to reflect dilution factors. Limitations in analytical methodologies and/or low percent solids content for some soil samples can result in detection limits that exceed either the Residential Direct Contact Soil Remediation Standard (RDCSRS), DIGWSSL, or CrSCC. Thallium was reported as a non-detected value at an elevated reporting limit in the RI data set for EF-B31-18.0. This sample was reported from a 20x dilution due to the presence of other interfering constituents present in the sample. Thallium no longer has an RDCSRS or Non-Residential Direct Contact Soil Remediation Standard (NRDCSRS) per the Site Remediation & Waste Management Program, Implementation of Updated Soil Remediation Standards, N.J.A.C. 7:26D, effective September 18, 2017. Therefore, this elevated reporting limit does not appear to impact the usability of the data and it is assumed that the evaluation of detected concentrations sufficiently captures the majority of potential risks in the GA Group Sites.

6.2.7 Data Quality/Data Usability Conclusions

The findings of this Data Quality Assessment and Data Usability Evaluation indicate that the data used to demonstrate compliance with the RA objectives are sufficiently representative of actual conditions and may be used to support decisions with the exceptions identified below:

- Cr⁺⁶ results qualified “RA” due to matrix spike recoveries outside the range of 50-150% may provide useful information for site decisions based on the apparent reducing nature of the matrix but should be used with an understanding of the data limitations.

Data qualifiers and reason codes were applied by the data validator to identify data limitations found in the validation process. Specific details regarding analytes and samples can be found in the individual data validation reports in **Appendix E**.

7.0 Documentation of the Protectiveness of the Remedial Action

Soil analytical results from the RI and PDI soil boring programs were used to pre-determine the depths of the excavation. These sampling results, in combination with the post-excavation sampling results and supplemental investigation sampling results, were used to document the effectiveness and completeness of the soil remediation.

Once the excavation limits met the final as-built TEEs, the Site Administrator's independent technical consultant, Weston, and/or an AECOM geologist inspected the completed excavation to confirm the absence of visible CCPW.

As summarized in **Section 5.3**, the locations of samples used to demonstrate compliance with the remediation goals are depicted on **Figures 5-1** through **5-3**. **Tables 5-1** through **5-3** present the analytical results for samples used to demonstrate compliance with the remediation goals. Laboratory analytical reports and data validation reports for the data presented in these tables are included in **Appendices D** and **E**, respectively. As discussed in **Section 6**, the laboratory analytical data for the collected samples was found to be usable for the purposes of defining the extents of the remedial excavation. **Appendix F** presents the available boring logs from the locations of samples that were used to demonstrate compliance with the remediation goals.

Excavation in Site 132 was not designed to remove all soil from the unsaturated zone, as detailed in the TEPs and TEE submittals (see **Section 4.2**). Therefore, the elevations of samples remaining in place were compared to the groundwater elevation, above which is the unsaturated zone. The groundwater elevation was estimated as the 50th percentile groundwater elevation from nine monitoring wells located on or adjacent to Site 132 gauged between May 2007 and December 2016. The monitoring well locations and data are included in **Appendix A**. The estimated groundwater elevation which defines the unsaturated zone for this Site is El. 6.9 ft NAVD88.

For Site 132, compliance averaging was used to attain compliance for antimony remaining in soil compared to the SRS, as presented in **Appendix G**.

Site 132 has been remediated as follows:

- Excavation of soil containing Cr⁺⁶ met the requirements specified in the Chromium Policy (NJDEP, 2007) in accordance with the Method to Determine Compliance (NJDEP, 2013).
- Soil concentrations for CCPW metals are in compliance with the CrSCC or SRS.
- Soil concentrations for CCPW metals in the unsaturated zone are in compliance with the DIGWSSLs and the site-specific IGWSRS-GAGs.

Waste manifests for soil and other materials that were loaded for off-site disposal are presented in **Appendix H** and **Appendix I**.

Clean fill documentation is provided in **Appendix J**.

7.1 As-Built Diagrams

The following as-built diagrams are included in **Appendix K**:

- An as-built diagram depicting the final extents of the excavation; and
- An as-built diagram of the final Site grades following restoration.

7.2 Description of Site Restoration Activities

After completion of the excavation activities at each grid cell, the backfill was amended with FerroBlack®-H by ENTACT in accordance with the plans and specifications. The placement of FerroBlack®-H serves as a phase of groundwater remediation as documented in the *Progress Report for Groundwater Pilot Study and FerroBlack®-H Amended Backfill Permits-By-Rule - 2016 Fourth Quarter (October to December)* (AECOM, 2017a). Backfilling of Site 132 was completed in stages, keeping pace with the excavation. For Site 132, backfilling was completed on May 15, 2015. Restoration activities were completed in Phase 3A between August 22, 2017 and January 31, 2018 and in Phase 3B North between July 24, 2017 and January 31, 2018.

Clean fill for site restoration consisted of ¾-inch stone and dense-graded aggregate (DGA) backfill material supplied by Tilcon. Information regarding the source and quality of the backfill material is provided in **Section 7.5** below. Based on the compaction goal of 90% standard proctor, specified in the Phase 3A TEP and the Phase 3B TEP, ENTACT satisfactorily completed compaction of the backfill placed within the limits of Phase 3A and Phase 3B North (including Site 132). Final compaction results ranged from 90.1% to 94.2%, exceeding the 90% compaction goal.

A capillary break was installed within a portion of Site 132, as required by the *Capillary Break Design Final Report (Revision 2)* (AECOM, 2017g). The capillary break consists of a 6-inch layer of washed open grade stone (OGS) placed between layers of geotextile (10 ounces per square yard) installed from El. 11.0 to 11.5 ft NAVD88. The horizontal extent of the capillary break and cross-section detail are shown on **Figure 7-1**. The capillary break extends horizontally onto adjacent Site 143. The capillary break will be managed through a future groundwater remedial action permit.

Site 132 was backfilled and restored in accordance with the *Restoration Technical Execution Plan, Garfield Avenue Group (Revision 1)* (Restoration TEP), dated August 2017 (AECOM, 2017c) and the PPG/AECOM memorandum entitled *Response to NJDEP/Weston's 08/31/17 Comments and the City of Jersey City/ERFS's 09/12/17 Comments on the Restoration Technical Execution Plan, Garfield Avenue Group (Revision 1)*, dated October 16, 2017 (AECOM, 2017f).

As part of the restoration activities, the excavation shoring within Site 132 along Grid Rows F and G was removed in October 2017. Sheet pile that is in place at Site 132 at the time of the preparation of this RAR is anticipated to remain in place at least until soil remediation of the adjacent areas, Phase 3B South and Carteret Avenue, takes place. At that point, the decision to keep or remove the sheet pile will be evaluated.

7.3 Total Remedial Action Cost

PPG's total remediation cost for implementation of the RA at Site 132 AOC 132-1 was estimated at approximately \$22 million. This includes costs for: RI, engineering, demolition, shoring installation, excavation and backfilling, air monitoring, construction management, groundwater management and treatment, waste transportation and disposal, and overall project management and reporting.

7.4 Documentation of Waste Generation and Disposal

The approximate weight of soil excavated from Site 132 AOC 132-1 and disposed of off site is estimated at 72,200 tons (approximately 48,100 cubic yards), based on estimates from the waste manifests and bills of lading (BOLs).

Waste manifests and BOLs for the time period during which Site 132 was excavated are included in **Appendix H** (Hazardous Waste Disposal Documentation) and **Appendix I** (Non-Hazardous Waste Disposal Documentation), respectively.

The Phase 3A portion of Site 132 was excavated between April 7, 2014 and September 5, 2014, and the manifests/BOLs from this time period are included in **Appendix H** and **Appendix I**. Part of Site 132 was excavated concurrently with Site 143; therefore, some disposal manifests/BOLs are included in both this RAR and the Site 137 North and Site 143 RAR for completeness.

For Phase 3A, the weight of soil removed from the Site 132 area is approximately 57,600 tons. This estimate (which excludes material from Grid Row F, Columns 15A through 19A and Column 20A, Rows A through F in Site 143) was estimated to be 96% of the weight of soil excavated from Phase 3A North for this period (60,019 tons), as shown in **Appendix H** and **Appendix I**.

Excavation of the Phase 3B North portion of Site 132 (Rows L and M) occurred between May 7, 2014 to April 8, 2015; the manifests/BOLs from this time period are included in **Appendix H** and **Appendix I**. Site 132 was excavated concurrently with Site 137 North and excavation proceeded from north to south in Phase 3B North; therefore, the manifests/BOLs specific to Grid Rows L and M could not be separated from manifests/BOLs for the rest Phase 3B North for the time period of May 7, 2014 to April 3, 2015. As a result, these tickets are included in both this RAR and the Site 137 North and Site 143 RAR for completeness.

For Phase 3B North, the weight of soil removed from Site 132 is approximately 14,600 tons. This estimate, which represents material from Grid Rows L and M in Site 132, was estimated to be 13% of the weight of soil excavated from Phase 3B North for this period (108,500 tons), as shown in **Appendix H** and **Appendix I**.

Other materials generated as a result of the RA activities at Site 132 included contaminated concrete and debris, demolition debris, and groundwater treatment plant sludge.

The following facilities were used for the off-site disposal of waste materials generated during RA activities at Site 132:

Hazardous Waste Materials

- Stablex Canada, Inc., Blainville, Québec, Canada;
- Environmental Quality Company (EQ) Detroit, Inc., Detroit, Michigan;
- EQ - Michigan Disposal Waste Treatment Plant, Belleville, Michigan; and/or
- EQ Envirite of Pennsylvania, Inc., York, Pennsylvania.

Non Hazardous Waste Materials

- Clean Earth of Philadelphia (CEP), Philadelphia, Pennsylvania; and/or

- Cumberland County Improvements Authority Landfill, Deerfield Township, NJ.

Non-Hazardous Liquid Waste (Water)

- Pre-treatment through the on-site treatment plant located on Site 114 followed by discharge to the public sewer system (conveyed via the JCMUA system) to the Passaic Valley Sewerage Commission (PVSC) Wastewater Treatment Plant, Newark, NJ (under PVSC Sewer Use Permit #31630010, included in **Appendix B**) for final treatment and discharge.

Copies of fully executed manifests, BOLs, and certificates of disposal documenting the off-site transport of waste material are presented in the following appendices:

- **Appendix H** – Hazardous Waste Disposal Documentation. This appendix includes fully executed manifests and certificates of disposal (if provided) documenting the off-site transport of hazardous soil, sludge, concrete, and other debris, such as scrap metal.
- **Appendix I** – Non-Hazardous Waste Disposal Documentation. This appendix includes BOLs documenting the off-site transport of non-hazardous soil, concrete, and demolition debris. Demolition debris that was classified as general refuse was not tracked and is not included.

7.5 Documentation of Source, Type, Quantities, and Location of Fill

Licensed quarry material was utilized for Site backfill and restoration and consisted of ¾-inch OGS and DGA supplied by Tilcon (from their licensed mine facilities at 625 Mt. Hope Road, Wharton, NJ and Broad Street, Pompton Lakes, NJ), a licensed quarry facility permitted to operate as a commercial quarry by NJDEP. A list of the quarry material load reports is provided in **Appendix J-1**.

The procedures for demonstrating that backfill material was not contaminated changed during the time that backfilling and restoration activities occurred at Site 132, as follows:

- During the initial part of the Site 132 backfill activities until June 2014, the SW Area TEP (AECOM, 2012e) required backfill samples to be collected at the frequency of 1 for every 2,000 tons of backfill delivered. Analytical reports for this time period are included in **Appendix J-2**.
- Following the issuance of Field Change Notification #16 dated June 27, 2014, the quarry material was sampled/analyzed at a frequency of one sample analyzed per quarry backfill source per year, in accordance with NJDEP's December 2011 *Alternative and Clean Fill Guidance for Site Remediation Program Sites* (NJDEP, 2011). This reduced sampling frequency was utilized for the remainder of Site 132 backfilling, which ended on May 15, 2015. Analytical reports for this time period are included in **Appendix J-3**.
- For restoration of Site 132 in 2017-2018, in accordance with Field Change Notification #16A dated July 24, 2015, each quarry was required to provide on an annual basis, its License (Mining Certificate) and Annual Certification that the material was from a clean, virgin source with analytical results provided by the quarry/mine in accordance with NJDEP's *Fill Material Guidance for SRP Sites* (NJDEP, 2015). The Mining Certificates, Annual Certification, and analytical reports for this time period are included in **Appendix J-4**.

The concentrations of the analytes in samples collected from the quarry material were in compliance with the NJDEP RDCSRS and the quarry material does not pose a potential impact to groundwater

(per NJDEP's Fill Material Guidance for SRP Sites [NJDEP, 2011; NJDEP, 2015]). Therefore, the material was acceptable for on-site use.

In addition, AECOM implemented a stringent visual inspection process, by on-site AECOM personnel, to verify the quality of the backfill. Visual inspection criteria included the size of the individual stones, the presence of foreign debris, the ratio of fines in the material, and significant differences in color.

7.6 Identification of Required Permits and Authorizations

The permits and approvals needed for the RA at Site 132 are listed below:

- SESCO approvals from Hudson-Essex-Passaic County Soil Conservation District.
- Notice of Non-Applicability, Discharge to Surface Water General Permit for Construction Activity - Stormwater (5G3), NJDEP, Division of Water Quality.
- Construction Permit Notice - Trailers.
- Water Use Registration, NJDEP, Division of Water Supply.
- Permit-By-Rule Discharge Authorization for Site-wide FerroBlack®-H Backfill Amendment, NJDEP, Site Remediation Program.
- Community Right-to-Know Survey for 2017, NJDEP.
- NJDEP HPO documentation.
- PVSC Sewer Use Permit #31630010 (Site 114 groundwater treatment plant).

The necessary permits were obtained from and approved by the state, local, and county agencies prior to initiation of the activities covered by the permits. Necessary permits and approvals are documented in **Appendix B**.

Local permits that are not included in **Appendix B** include: local road closure and street opening permits (which were renewed approximately every 6 months), and the demolition permit (Permit Number 2013-2188).

8.0 Receptor Evaluation Update

The purpose of a receptor evaluation (RE) is to document the existence of human or ecological receptors, and the actions taken to protect those receptors, at contaminated sites. Pursuant to N.J.A.C. 7:25E-1.12, REs must include general site information, an evaluation of surrounding land use, a description of contamination, a discussion of groundwater use in the area, an evaluation of vapor intrusion potential, and an ecological evaluation.

The Receptor Evaluation Report, Rev. 3, Non-Residential Chromate Chemical Production Waste Sites 114, 132, 133, 135, 137, 143 and 186 Jersey City, New Jersey, dated March 20, 2012, was submitted to the NJDEP on March 23, 2012 (AECOM, 2012c). The Final Garfield Avenue Group RE/Ground Water RE/Baseline Ecological Evaluation Reports were submitted to the NJDEP on July 22, 2013. The updated RE form and required attachments are provided with this RAR.

9.0 Conclusions and Recommendations

9.1 Soil

This RAR documents that the soil RA for AOC 132-1 is effective in protecting public health and safety and the environment and remedial objectives have been achieved as follows:

- Excavation of soil containing Cr⁺⁶ met the requirements specified in the Chromium Policy (NJDEP, 2007) in accordance with the Method to Determine Compliance (NJDEP, 2013).
- Soil concentrations for CCPW metals are in compliance with the CrSCC or SRS.
- Soil concentrations for CCPW metals in the unsaturated zone are in compliance with the DIGWSSLs and the site-specific IGWSRS-GAGs.

On this basis, PPG, the responsible party, has demonstrated compliance with the applicable remediation requirements for the soils in Site 132 AOC 132-1, and no further action with regard to Site 132 AOC 132-1 is needed. PPG requests the closure of Site 132 AOC 132-1 by the NJDEP through the issuance of a Consent Judgment Compliance Letter.

9.2 Groundwater

This RAR only addresses the RA of soil at Site 132 AOC 132-1. CCPW and MGP-impacted groundwater within the GA Group Sites is being tracked under the Site 114 PI Number G000005480. The status of the GA Group Sites groundwater contamination and plans for groundwater RA are documented in the *Groundwater Remedial Investigation Report, Draft*, submitted on October 1, 2018 (AECOM, 2018d). A separate RAR will be prepared and submitted to document the groundwater RA at the GA Group Sites.

10.0 References

AECOM, 2009. *Remedial Investigation Report – Non-Residential Chromate Chemical Production Waste Sites, Sites 114, 132, 133, 135, 137, and 143*. December 2009.

AECOM, 2010a. *Field Sampling Plan – Quality Assurance Project Plan PPG Non-Residential and Residential Chromium Sites, Hudson County, New Jersey*. June 2010.

AECOM, 2010b. *Revision of the Air Monitoring Workplan for Ground Intrusive Activities at the Garfield Avenue Site in Jersey City, New Jersey (AMP) and applicable AMP Amendments (07, 10, 11 (Rev 01), 13 (Rev 01 and Rev 03), 15 (Rev 04), and 20)*. December 2010.

AECOM, 2011a. *Soil Remedial Investigation Work Plan – Sites 114, 132, 133, 135, 137, 143 and Site 186*. March 2011.

AECOM, 2011b. *Draft Remedial Investigation Report – Soil Garfield Avenue Group Non-Residential CCPW Sites 114, 132, 133, 135, 137, 143 and 186*. November 2011.

AECOM, 2012a. *Remedial Investigation Report – Soil Garfield Avenue Group Non-Residential CCPW Sites 114, 132, 133, 135, 137, 143 and 186*. February 2012.

AECOM, 2012b. *Technical Execution Plan, Southwestern Area Soil Excavation; PPG Site 114 – Garfield Avenue, Jersey City, New Jersey*. March 9, 2012.

AECOM, 2012c. *Receptor Evaluation Report, Rev. 3, Non-Residential Chromate Chemical Production Waste Sites 114, 132, 133, 135, 137, 143 and 186 Jersey City, New Jersey*. March 20, 2012.

AECOM, 2012d. *Draft Remedial Action Work Plan (Soil), Rev. 2, Garfield Avenue Group – Sites 114, 132, 133, 135, 137 and 143, Jersey City, New Jersey*. April 17, 2012.

AECOM, 2012e. *Final Technical Execution Plan, Southwestern Area Soil Excavation, PPG Site 114 – Garfield Avenue, Jersey City, New Jersey*. April 23, 2012.

AECOM, 2013a. Memorandum entitled *PPG Sites 132 and 143, Excavation Depths in Phase 3A; Rows A'-M, Columns 15A-30A*. June 19, 2013.

AECOM, 2013b. Memorandum entitled *PPG Target Excavation Depths in Phase 3B & 3C*. August 19, 2013.

AECOM, 2013c. Memorandum entitled *Response to Weston's 7/10/13 comments on "PPG sites 132 and 143, Excavation Depths in Phase 3A; Rows A'-M, Columns 15A-30A."* September 6, 2013.

AECOM, 2013d. *Technical Execution Plan, Southwest TEP Addendum (Phase 3A Area Soil Excavation), PPG Site 132 and 143 – Garfield Avenue, Jersey City, New Jersey*. October 30, 2013.

AECOM, 2013e. Memorandum entitled *PPG Site 114, Excavation Depths in Phase 3A*. November 8, 2013.

AECOM, 2013f. *Southwest TEP Addendum (Phase 3B Area Soil Excavation), PPG Sites 133W, 137A and 137B – Garfield Avenue, Jersey City, New Jersey.* December 12, 2013.

AECOM, 2013g. *Technical Execution Plan (Revision 1), Southwest TEP Addendum (Phase 3A Area Soil Excavation), PPG Site 132 and 143 – Garfield Avenue, Jersey City, New Jersey.* December 20, 2013.

AECOM, 2014a. Memorandum entitled *PPG Supplemental Terminal Excavation Elevations in Phase 3B & 3C.* January 22, 2014.

AECOM, 2014b. Memorandum entitled *Response to Weston's Review of the AECOM Response to Weston's 7/10/13 Comments on "PPG Sites 132 and 143, Excavation Depths in Phase 3A, Priority Grids; Rows A'-M, Columns 15A-30A."* January 22, 2014.

AECOM, 2014c. Memorandum entitled *Response to Weston's 9/4/13 comments on "PPG Target Excavation Depths in Phase 3B & 3C."* April 10, 2014.

AECOM, 2014d. Email RE: *RE: Weston Comments - Phase 3B TEP.* April 10, 2014.

AECOM, 2014e. Memorandum entitled *Review of Phase 3A Site 132 and Site 143 Data vs. Emanating from Site 114.* April 18, 2014.

AECOM, 2014f. Memorandum entitled *Phase 3A Southwest Terminal Excavation Elevation Supplemental Submittal.* May 23, 2014.

AECOM, 2014g. Email RE: *RE: Evaluation of response to Weston Comments - Phase 3B TEP.* May 23, 2014.

AECOM, 2014h. Memorandum entitled *PPG Site Garfield Avenue Group Sites 132 and 143, Request for Revision to Phase 3A Terminal Excavation Elevations (Grids A'15A and A23A).* June 6, 2014.

AECOM, 2014i. Memorandum entitled *PPG Garfield Avenue Group, Sites 132 and 143, Request for Revision to Phase 3A Terminal Excavation Elevations (Grids A'15A and A23A) (Revision 1).* July 1, 2014.

AECOM, 2014j. Memorandum entitled *Response to NJDEP 6/24/14 [sic] Comments to the Phase 3A Southwest Terminal Excavation Elevation Supplemental Submittal.* July 1, 2014.

AECOM, 2014k. Memorandum entitled *Phase 3A Southwest Terminal Excavation Elevation Tertiary Submittal.* August 8, 2014.

AECOM, 2014l. *Technical Execution Plan (Revision 1), Southwest TEP Addendum (Phase 3B Area Soil Excavation), PPG Sites 133W, 137A and 137B – Garfield Avenue, Jersey City, New Jersey.* August 1, 2014.

AECOM, 2014m. Email RE: *RE: Phase 3A Southwest Terminal Excavation Elevation Tertiary Submittal.* September 10, 2014.

AECOM, 2014n. *Draft Remedial Action Work Plan (Soil) Rev. 3, Garfield Avenue Group – Sites 114, 132, 133, 135, 137 and 143, Jersey City, New Jersey.* December 5, 2014.

AECOM, 2017a. *Progress Report for Groundwater Pilot Study and FerroBlack®-H Amended Backfill Permits-By-Rule - 2016 Fourth Quarter (October to December)*. February 2017.

AECOM, 2017b. Email RE: 132-002A: *Site 132 RAR Tables & Figures*. June 23, 2017.

AECOM, 2017c. *Restoration Technical Execution Plan, Garfield Avenue Group (Revision 1)*. August 2017.

AECOM, 2017d. Memorandum entitled, *Response to NJDEP/Weston's Comments on PPG's ACO/JCO Parameters List (Revision 0)*. October 2, 2017.

AECOM, 2017e. Email RE: 132-003: *Site 132 Sidewall Sampling Plan*. October 3, 2017.

AECOM, 2017f. Memorandum entitled *Response to NJDEP/Weston's 08/31/17 Comments and the City of Jersey City/ERFS's 09/12/17 Comments on the Restoration Technical Execution Plan, Garfield Avenue Group (Revision 1)*. October 16, 2017.

AECOM, 2017g. *Capillary Break Design Final Report (Revision 2)*. December 2017.

AECOM, 2018a. *Final Remedial Action Work Plan (Soil) Rev. 3, Garfield Avenue Group Sites, Jersey City, New Jersey*. May 15, 2018.

AECOM, 2018b. *Supplemental Soil Remedial Investigation Report, Final Revision 1, PPG Garfield Avenue Group, Hudson County Chromium Sites, Jersey City, New Jersey*. August 30, 2018.

AECOM, 2018c. *Final Remedial Action Work Plan (Soil) Rev.4, Garfield Avenue Group Sites, Jersey City, New Jersey*. September 27, 2018.

AECOM, 2018d. *Groundwater Remedial Investigation Report, Draft*. October 1, 2018.

AMEC, 2014. *Remedial Investigation Report Former Halladay Street Gas Works Jersey City, New Jersey*. May 2014.

City of Jersey City, 2009. *Canal Crossing Redevelopment Plan*. Division of City Planning. January 28, 2009.

CMX, 2007. *Remedial Investigation Report, Former Halladay Street Gas Works, Jersey City, New Jersey*. December 2007.

CMX, 2008. *Remedial Investigation Report Addendum, Supplemental Offsite Soil Sampling, Former Halladay Street Gas Works, Jersey City, New Jersey*. July 2008.

ENSR, 2003. *Remedial Investigation Work Plan - Site 114*. April 2003.

ENSR, 2006a. *Remedial Investigation Report - Site 114*. March 2006.

ENSR, 2006b. *Remedial Investigation Work Plan – Site 114 (Off Site)*. March 2006.

ENSR, 2006c. *Remedial Investigation Work Plan – Sites 132, 133, 135, 137 and 143*. September 2006.

ERFS, 2018a. Email RE: *City Comments to GAG-002: FINAL Remedial Action Work Plan (Soil) Rev. 3, Garfield Avenue Group Sites*. August 21, 2018.

ERFS, 2018b. Email RE: *RE: GAG-002: Final Remedial Action Work Plan (Soil) Rev. 4, Garfield Avenue Group Sites*. October 10, 2018.

NJDEP, 1981. N.J.A.C. 7:18 - *Regulations Governing the Certification of Laboratories and Environmental Measurements*. Adopted effective August 6, 1981. Readopted effective October 23, 2013. Last amended September 4, 2018.

NJDEP, 1990. *Administrative Consent Order*. July 19, 1990.

NJDEP, 1993a. N.J.A.C. 7:26C – *Administrative Requirements for the Remediation of Contaminated Sites*. Adopted effective May 17, 1993. Readopted July 11, 2018. Last amended August 6, 2018.

NJDEP, 1993b. N.J.A.C. 7:26E – *Technical Requirements for Site Remediation*. Adopted effective June 7, 1993. Most recently readopted May 7, 2012. Last amended August 6, 2018.

NJDEP, 2001. N.J.A.C. 7:9D – *Well Construction and Maintenance; Sealing of Abandoned Wells*. Adopted effective September 4, 2001. Readopted effective January 31, 2014. Last amended January 2, 2018.

NJDEP, 2002. NJDEP Office of Data Quality *SOP 5.A.16, Rev 1 Quality Assurance Data Validation of Analytical Deliverables for Inorganics (based on USEPA SW-846 Methods)*. May 2002.

NJDEP, 2005. *NJDEP Field Sampling Procedures Manual*. August 2005. Last updated April 2011.

NJDEP, 2007. NJDEP Memorandum from Lisa P. Jackson to Irene Kropp, Subject: *Chromium Moratorium*. February 8, 2007.

NJDEP, 2008a. N.J.A.C. 7:26D – *Soil Remediation Standards*. Adopted effective June 2, 2008. Readopted effective April 27, 2015. Last amended September 18, 2017.

NJDEP, 2008b. *NJDEP Chromium Soil Cleanup Criteria*. September 2008, revised April 2010.

NJDEP, 2009. NJDEP Office of Data Quality *SOP 5.A.10, Rev 3 SOP for Analytical Data Validation of Hexavalent Chromium – for USEPA SW-846 Method 3060A, USEPA SW-846 Method 7196A and USEPA SW-846 Method 7199*. September 2009.

NJDEP, 2011. *Alternative and Clean Fill Guidance for Site Remediation Program Sites*. December 2011. (Superseded by *Fill Material Guidance for SRP Sites*, Version 3.0, NJDEP, April 2015).

NJDEP, 2012a. Letter from Thomas J. Cozzi to M. Michael McCabe, Subject: *Technical Execution Plan – Southwestern Soil Excavation PPG Site 114 - Garfield Avenue, Jersey City, New Jersey*. March 27, 2012.

NJDEP, 2012b. Letter from Thomas J. Cozzi to M. Michael McCabe, Subject: *Remedial Action Work Plan (Soil), Rev. 2, Garfield Avenue Group – Sites 114, 132, 133, 135, 137 and 143, Jersey City, New Jersey*. May 11, 2012.

NJDEP, 2012c. *NJDEP Technical Guidance for the Attainment of Remediation Standards and Site-Specific Criteria*. September 2012.

NJDEP, 2013. Letter from Thomas Cozzi to M. Michael McCabe, Subject: *Updated Method to Determine Compliance with the Department's Chromium Policy, Garfield Avenue – Sites 114, 132, 133, 135, 137, and 143, Jersey City, NJ*. August 13, 2013.

NJDEP, 2015. *Fill Material Guidance for SRP Sites*, Version 3.0. April 2015.

NJDEP, 2016. Memorandum from Diane Groth to David Doyle, Subject: *PPG Garfield Avenue Group Sites, Adjacent Streets and Nearby Properties, Jersey City, NJ: Alternative Soil Remediation Standard for Vanadium*. December 28, 2016.

NJDEP, 2018a. Letter from Wayne C. Howitz to Ronald J. Riccio, Esq., Subject: *Supplemental Soil Remedial Investigation Report - Soil, Garfield Avenue Group Non-Residential Chromate Chemical Production Waste Sites - 114, 132, 133, 135, 137, 143, and Adjacent Properties and Roadways, Final Revision 1, PPG Garfield Avenue Group, Hudson County Chromium Sites, Jersey City, New Jersey*. October 22, 2018.

NJDEP, 2018b. Letter from Wayne C. Howitz to Ronald J. Riccio Esq., Subject: *Remedial Action Work Plan (Soil) Rev. 4, Garfield Avenue Group Sites, Jersey City, Hudson County, New Jersey*. November 9, 2018.

Riccio, 2019. Letter from Ronald J. Riccio to The Honorable Jeffrey R. Jablonski, P.J. Ch., Subject: *PROGRESS REPORT (August 1, 2018 through the date of this Report): New Jersey Department of Environmental Protection, et al. v. Honeywell International, Inc., et al. v. City of Jersey City, et al., Superior Court of New Jersey, Chancery Division, Hudson County, Civil Action No. HUD-C-77-05; Partial Consent Judgment Concerning the PPG Sites (the "JCO")*. January 24, 2019.

Stanford, S.D., 1995. *Surficial Geology of the Jersey City Quadrangle, Hudson and Essex Counties, New Jersey*. Department of Environmental Protection, Division of Science and Research, New Jersey Geological Survey. 1995.

Superior Court of New Jersey Law Division – Hudson County, 2009. *Partial Consent Judgment Concerning the PPG Sites*. New Jersey Department of Environmental Protection and the Administrator of the New Jersey Spill Compensation Fund, Plaintiffs, v. Honeywell International, Inc., Occidental Chemical Corporation and PPG Industries, Inc., Defendants, v. City of Jersey City, Jersey City Municipal Utilities Authority, Jersey City Incinerator Authority, and New Jersey Turnpike Authority, Third Party Defendants. Filed June 26, 2009.

Weston, 2013a. Email RE: *FW: Excavation Depths in Phase 3A*. July 10, 2013.

Weston, 2013b. Email RE: *PPG Target Excavation Depths in Phase 3B & 3C*. September 4, 2013.

Weston, 2013c. Email RE: *Excavation Depths in Phase 3A - assessment of response to comments for first terminal depth submittal package*. November 15, 2013.

Weston, 2013d. Email RE: *RE: Phase 3A Excavation Elevation Supplemental Submittal*. November 25, 2013.

Weston, 2013e. Email RE: *RE: Phase 3A TEP*. December 4, 2013.

Weston, 2014a. Email RE: *Weston Comments - Phase 3B TEP*. February 5, 2014.

Weston, 2014b. Email RE: *Phase 3A Terminal Excavation Elevations*. February 12, 2014.

Weston, 2014c. Email RE: *PPG Supplemental Terminal Excavation Elevations in Phase 3B & 3C*. February 12, 2014.

Weston, 2014d. Email RE: *PPG Supplemental Terminal Excavation Elevations in Phase 3B & 3C*. April 28, 2014.

Weston, 2014e. Email RE: *Evaluation of response to Weston Comments - Phase 3B TEP*. April 29, 2014.

Weston, 2014f. Email RE: *RE: Phase 3A SW TEE Submittal*. June 10, 2014.

Weston, 2014g. Email RE: *RE: A'15A and A23A*. June 23, 2014.

Weston, 2014h. Email RE: *RE: A'15A and A23A*. June 26, 2014.

Weston, 2014i. Email RE: *RE: Phase 3A SW TEE Submittal*. July 10, 2014.

Weston, 2014j. Email RE: *RE: A'15A and A23A*. July 18, 2014.

Weston, 2014k. Email RE: *RE: Evaluation of response to Weston Comments - Phase 3B TEP*. August 19, 2014.

Weston, 2014l. Email RE: *RE: Phase 3A Southwest Terminal Excavation Elevation Tertiary Submittal*. August 27, 2014.

Weston, 2017a. Email RE: *RE: 132-002A: Site 132 RAR Tables & Figures*. August 25, 2017.

Weston, 2017b. Email RE: *RE: 132-003: Site 132 Sidewall Sampling Plan*. October 11, 2017.

Weston, 2018a. Email RE: *GAG RAWP finalization*. February 28, 2018.

Weston, 2018b. Email RE: *RE: GAG-002: FINAL Remedial Action Work Plan (Soil) Rev. 3, Garfield Avenue Group Sites*. July 12, 2018.

Tables

Table 1-1
Area of Concern
Site 132, Garfield Avenue Group
PPG, Jersey City, New Jersey

AOC ID	AOC Type	AOC Details
AOC 132-1	Environmental media – Media Soil, including soil pore spaces	Fill consisting of CCPW and other materials impacted by Cr ⁺⁶ and CCPW Metals (antimony, chromium, nickel, thallium, vanadium). CCPW impacts were observed from ground surface to the underlying meadow mat or underlying un-impacted material.

Notes:

1. Groundwater impacted by CCPW and/or MGP-material throughout the GA Group is being tracked under the PI number of G000005480 for Site 114 (the location of the former Chromate Chemical Production Facility and MGP).

AOC - Area of Concern

CCPW - Chromate Chemical Production Waste

Cr⁺⁶ - hexavalent chromium

GA Group - Garfield Avenue Group

MGP - manufactured gas plant

PI - Program Interest

Table 3-1
Soil Remediation Standards/Criteria
Site 132, Garfield Avenue Group
PPG, Jersey City, New Jersey

Constituent	CrSCC (mg/kg)	RDCSRS (mg/kg)	RDCSRS- GAG ¹ (mg/kg)	NRDCSRS (mg/kg)	DIGWSSL (mg/kg)	IGWSRS- GAG ² (mg/kg)
Hexavalent Chromium	20	N/A	N/A	N/A	N/A	N/A
Antimony	N/A	31	N/A	450	N/A	62.7
Chromium (total) ³	N/A	120,000	N/A	N/A	N/A	N/A
Nickel	N/A	1,600	N/A	23,000	N/A	170
Thallium	N/A	N/A	N/A	N/A	3	N/A
Vanadium	N/A	N/A	390	1,100	N/A	N/A

Notes:

¹RDCSRS-GAG is an alternative remediation standard approved by the NJDEP on December 28, 2016 (NJDEP, 2016).

²IGWSRS-GAG is an alternative remediation standard proposed in the *Supplemental Soil Remedial Investigation Report, Final (Revision 1)* on August 30, 2018 (AECOM, 2018b) and approved by NJDEP on October 22, 2018 (NJDEP, 2018a).

³There is currently no NJDEP SRS and no NJDEP SCC for total chromium. Therefore, total chromium results are compared to the interim NJDEP Residential SCC for trivalent chromium of 120,000 mg/kg as the cleanup criteria for soil at the Garfield Avenue Group Sites. There is no non-residential SCC for trivalent chromium.

CrSCC - Chromium Soil Cleanup Criteria

DIGWSSL - Default Impact to Groundwater Soil Screening Level

GAG - Garfield Avenue Group

IGWSRS-GAG - Impact to Groundwater Soil Remediation Standard - Garfield Avenue Group

mg/kg - milligrams per kilogram

N/A - not applicable

NJDEP - New Jersey Department of Environmental Protection

NRDCSRS - Non-Residential Direct Contact Soil Remediation Standard

RDCSRS - Residential Direct Contact Soil Remediation Standard

RDCSRS-GAG - Residential Direct Contact Soil Remediation Standard - Garfield Avenue Group

SCC - Soil Cleanup Criteria

SRS - Soil Remediation Standard

Table 5-1
Cr⁺⁶ Analytical Results for In-Place Soil Compared to Chromium Soil Cleanup Criterion
Site 132, Garfield Avenue Group
PPG, Jersey City, New Jersey

Analyte CAS RN Units CrSCC															CHROMIUM (HEXVALENT) 18540-29-9 mg/kg 20		
Grid ID (G1)	Location ID (G2)	Location Elevation (ft NAVD88) (G3, G4, G5)	As-built TEE (ft NAVD88) (G4, G6, G7, G8)	Sample ID (G9)	Depth Interval (ft bgs) (G10)	Sample Start Elevation (ft NAVD88) (G4, G7, G8, G11)	Sample End Elevation (ft NAVD88) (G4, G12)	Lab ID (G13)	Lab SDG (G13)	Date Collected (G14)	Sample Status (G15)	Sample Type (G16)	Validated (Y/N) (G17)	Matrix (G18)	Result (G19, G20)	Qualifier (G21, G22)	Specific Notes
A'21A	143-A21A-SW	12.6	9.1	143-A21A-SW-0.4-0.9	0.4 - 0.9 ft	12.2	11.7	JB73945-5	JB73945	08/13/2014	remaining	N	Y		1.4		S1
A'21A	143-A21A-SW	12.6	9.1	143-A21A-SW-2.4-2.9	2.4 - 2.9 ft	10.2	9.7	JB73945-6	JB73945	08/13/2014	remaining	N	Y		0.98		S1
A20A	143-P3A-A20A	12.9	8.3	143-P3A-A20A-4.5-5.0	4.5 - 5.0 ft	8.4	7.9	JB34283-6R	JB34283R	04/15/2013	remaining	N	Y		0.55	J	S2, S3
A20A	143-P3A-A20A	12.9	8.3	143-P3A-A20A-4.5-5.0X	4.5 - 5.0 ft	8.4	7.9	JB34283-7R	JB34283R	04/15/2013	remaining	FD	Y		0.51	J	S2, S3
A20A	143-P3A-A20A	12.9	8.3	143-P3A-A20A-6.5-7.0	6.5 - 7.0 ft	6.4	5.9	JB34283-8	JB34283	04/15/2013	remaining	N	Y		0.37	J	S2, S3
A20A	143-P3A-A20A	12.9	8.3	143-P3A-A20A-8.5-9.0	8.5 - 9.0 ft	4.4	3.9	JB34283-10R	JB34283R	04/15/2013	remaining	N	Y		< 0.28	UJ	S2, S3
A20A	143-P3A-A20A	12.9	8.3	143-P3A-A20A-10.5-11.0	10.5 - 11.0 ft	2.4	1.9	JB34283-11	JB34283	04/15/2013	remaining	N	Y		0.30	J	S2, S3
A20A	143-P3A-A20A	12.9	8.3	143-P3A-A20A-12.5-13.0	12.5 - 13.0 ft	0.4	-0.1	JB34283-9	JB34283	04/15/2013	remaining	N	Y		0.91	J	S2, S3
A20A	143-P3A-A20A	12.9	8.3	143-P3A-A20A-14.5-15.0	14.5 - 15.0 ft	-1.6	-2.1	JB34283-12	JB34283	04/15/2013	remaining	N	Y		< 0.14	UJ	S2, S3
A20A	143-P3A-A20A	12.9	8.3	143-P3A-A20A-16.5-17.0	16.5 - 17.0 ft	-3.6	-4.1	JB34283-13R	JB34283R	04/15/2013	remaining	N	Y		0.64	J	S2, S3
A20A	143-P3A-A20A	12.9	8.3	143-P3A-A20A-18.5-19.0	18.5 - 19.0 ft	-5.6	-6.1	JB34283-14R	JB34283R	04/15/2013	remaining	N	Y		0.77	J	S2, S3
A20A	143-P3A-A20A	12.9	8.3	143-P3A-A20A-19.0-19.5	19.0 - 19.5 ft	-6.1	-6.6	JB34283-15R	JB34283R	04/15/2013	remaining	N	Y		0.46	J	S2, S3
A20A	143-P3A-A20A	12.9	8.3	143-P3A-A20A-20.0-20.5	20.0 - 20.5 ft	-7.1	-7.6	JB34283-16	JB34283	04/15/2013	remaining	N	Y		15.2	J	S2, S3
A21A	132-P3A-A21A	12.6	9.1	132-P3A-A21A-2.5-3.0	2.5 - 3.0 ft	10.1	9.6	JB34975-11R	JB34975R	04/22/2013	removed	N	Y		6.6	J	S4
A21A	132-P3A-A21A	12.6	9.1	132-P3A-A21A-4.5-5.0	4.5 - 5.0 ft	8.1	7.6	JB34975-10R	JB34975R	04/22/2013	remaining	N	Y		0.36	J	
A21A	132-P3A-A21A	12.6	9.1	132-P3A-A21A-6.5-7.0	6.5 - 7.0 ft	6.1	5.6	JB34975-9	JB34975	04/22/2013	remaining	N	Y		0.35	J	
A21A	132-P3A-A21A	12.6	9.1	132-P3A-A21A-8.5-9.0	8.5 - 9.0 ft	4.1	3.6	JB34975-8	JB34975	04/22/2013	remaining	N	Y		0.50	J	
A21A	132-P3A-A21A	12.6	9.1	132-P3A-A21A-10.5-11.0	10.5 - 11.0 ft	2.1	1.6	JB34975-7	JB34975	04/22/2013	remaining	N	Y		0.37	J	
A21A	132-P3A-A21A	12.6	9.1	132-P3A-A21A-12.5-13.0	12.5 - 13.0 ft	0.1	-0.4	JB34975-6R	JB34975R	04/22/2013	remaining	N	Y		0.43	J	
A21A	132-P3A-A21A	12.6	9.1	132-P3A-A21A-14.5-15.0	14.5 - 15.0 ft	-1.9	-2.4	JB34975-5R	JB34975R	04/22/2013	remaining	N	Y		0.41	J	
A21A	132-P3A-A21A	12.6	9.1	132-P3A-A21A-16.5-17.0	16.5 - 17.0 ft	-3.9	-4.4	JB34975-3	JB34975	04/22/2013	remaining	N	Y		1.1	J	
A21A	132-P3A-A21A	12.6	9.1	132-P3A-A21A-17.0-17.5	17.0 - 17.5 ft	-4.4	-4.9	JB34975-4R	JB34975R	04/22/2013	remaining	N	Y		10.5	J	
A22A	132-P3A-A22A	12.8	9.0	132-P3A-A22A-0.5-1.0	0.5 - 1.0 ft	12.3	11.8	JB34974-1R	JB34974R	04/22/2013	removed	N	Y		4.7	J	S5
A22A	132-P3A-A22A	12.8	9.0	132-P3A-A22A-2.5-3.0	2.5 - 3.0 ft	10.3	9.8	JB34974-2	JB34974	04/22/2013	removed	N	Y		0.88	J	S4
A22A	132-P3A-A22A	12.8	9.0	132-P3A-A22A-2.5-3.0X	2.5 - 3.0 ft	10.3	9.8	JB34974-3	JB34974	04/22/2013	removed	FD	Y		1.6	J	S4
A22A	132-P3A-A22A	12.8	9.0	132-P3A-A22A-4.5-5.0	4.5 - 5.0 ft	8.3	7.8	JB34974-4R	JB34974R	04/22/2013	remaining	N	Y		0.28	J	
A22A	132-P3A-A22A	12.8	9.0	132-P3A-A22A-6.5-7.0	6.5 - 7.0 ft	6.3	5.8	JB34974-5R	JB34974R	04/22/2013	remaining	N	Y		< 0.15	U	
A22A	132-P3A-A22A	12.8	9.0	132-P3A-A22A-8.5-9.0	8.5 - 9.0 ft	4.3	3.8	JB34974-6R	JB34974R	04/22/2013	remaining	N	Y		0.21	J	
A22A	132-P3A-A22A	12.8	9.0	132-P3A-A22A-10.5-11.0	10.5 - 11.0 ft	2.3	1.8	JB34974-7	JB34974	04/22/2013	remaining	N	Y		0.18	J	
A22A	132-P3A-A22A	12.8	9.0	132-P3A-A22A-12.5-13.0	12.5 - 13.0 ft	0.3	-0.2	JB34974-8	JB34974	04/22/2013	remaining	N	Y		1.0	J	
A22A	132-P3A-A22A	12.8	9.0	132-P3A-A22A-14.6-15.1	14.6 - 15.1 ft	-1.8	-2.3	JB34974-9	JB34974	04/22/2013	remaining	N	Y		0.43	J	
A22A	132-P3A-A22A	12.8	9.0	132-P3A-A22A-15.1-15.6	15.1 - 15.6 ft	-2.3	-2.8	JB34974-10	JB34974	04/22/2013	remaining	N	Y		2.6	J	
A23A	132-P3A-A23A	12.9	8.6	132-P3A-A23A-0.5-1.0	0.5 - 1.0 ft	12.4	11.9	JB34893-1	JB34893	04/19/2013	removed	N	Y		6.2	J	S6
A23A	132-P3A-A23A	12.9	8.6	132-P3A-A23A-2.5-3.0	2.5 - 3.0 ft	10.4	9.9	JB34893-2R	JB34893R	04/19/2013	removed	N	Y		0.98	J	S6
A23A	132-P3A-A23A	12.9	8.6	132-P3A-A23A-4.0-4.5	4.0 - 4.5 ft	8.9	8.4	JB34893-3	JB34893	04/19/2013	remaining	N	Y		1.1	J	
A23A	132-P3A-A23A	12.9	8.6	132-P3A-A23A-6.5-7.0	6.5 - 7.0 ft	6.4	5.9	JB34893-4R	JB34893R	04/19/2013	remaining	N	Y		0.35	J	
A23A	132-P3A-A23A	12.9	8.6	132-P3A-A23A-8.5-9.0	8.5 - 9.0 ft	4.4	3.9	JB34893-5	JB34893	04/19/2013	remaining	N	Y		0.18	J	
A23A	132-P3A-A23A	12.9	8.6	132-P3A-A23A-10.5-11.0	10.5 - 11.0 ft	2.4	1.9	JB34893-6	JB34893	04/19/2013	remaining	N	Y		0.38	J	
A23A	132-P3A-A23A	12.9	8.6	132-P3A-A23A-12.5-13.0	12.5 - 13.0 ft	0.4	-0.1	JB34893-7	JB34893	04/19/2013	remaining	N	Y		< 0.14	UJ	
A23A	132-P3A-A23A	12.9	8.6	132-P3A-A23A-14.5-15.0	14.5 - 15.0 ft	-1.6	-2.1	JB34893-8R	JB34893R	04/19/2013	remaining	N	Y		2.4	J	
A23A	132-P3A-A23A	12.9	8.6	132-P3A-A23A-15.0-15.5	15.0 - 15.5 ft	-2.1	-2.6	JB34893-9	JB34893	04/19/2013	remaining	N	Y		0.87	J	
A23A	132-P3A-A23A	12.9	8.6	132-P3A-A23A-15.5-16.0	15.5 - 16.0 ft	-2.6	-3.1	JB34893-10	JB34893	04/19/2013	removed	N	Y	UNDno (SM)	39.5	J	S7

Table 5-1
Cr⁺⁶ Analytical Results for In-Place Soil Compared to Chromium Soil Cleanup Criterion
Site 132, Garfield Avenue Group
PPG, Jersey City, New Jersey

															Analyte CAS RN Units CrSCC	CHROMIUM (HEXVALENT) 18540-29-9 mg/kg 20	
Grid ID (G1)	Location ID (G2)	Location Elevation (ft NAVD88) (G3, G4, G5)	As-built TEE (ft NAVD88) (G4, G6, G7, G8)	Sample ID (G9)	Depth Interval (ft bgs) (G10)	Sample Start Elevation (ft NAVD88) (G4, G7, G8, G11)	Sample End Elevation (ft NAVD88) (G4, G12)	Lab ID (G13)	Lab SDG (G13)	Date Collected (G14)	Sample Status (G15)	Sample Type (G16)	Validated (Y/N) (G17)	Matrix (G18)	Result (G19, G20)	Qualifier (G21, G22)	Specific Notes
A23A	132-P3A-A23AR	13.0	8.6	132-P3A-A23A-R-15.5-16.0	15.5 - 16.0 ft	-2.5	-3.0	JB63516-3	JB63516	04/01/2014	remaining	N	Y	UNDno (SP-SM)	0.36 J		S7
A23A	132-P3A-A23AR	13.0	8.6	132-P3A-A23A-R-16.0-16.5	16.0 - 16.5 ft	-3.0	-3.5	JB63516-4	JB63516	04/01/2014	remaining	N	Y		1.9		
A23A	132-P3A-A23AR	13.0	8.6	132-P3A-A23A-R-16.0-16.5X	16.0 - 16.5 ft	-3.0	-3.5	JB63516-5	JB63516	04/01/2014	remaining	FD	Y		1.6		
A23A	132-P3A-A23AR	13.0	8.6	132-P3A-A23A-R-18.0-18.5	18.0 - 18.5 ft	-5.0	-5.5	JB63516-6	JB63516	04/01/2014	remaining	N	Y		3.7		
A23A	132-P3A-A23AR	13.0	8.6	132-P3A-A23A-R-20.0-20.5	20.0 - 20.5 ft	-7.0	-7.5	JB63516-7	JB63516	04/01/2014	remaining	N	Y		2.6		
A23A	132-P3A-A23AR2	12.9	8.6	132-P3A-A23A-R2-12.0-12.5	12.0 - 12.5 ft	0.9	0.4	JB63516-8RT	JB63516RT	04/01/2014	remaining	N	Y		0.86 J		
A23A	132-P3A-A23AR2	12.9	8.6	132-P3A-A23A-R2-15.5-16.0	15.5 - 16.0 ft	-2.6	-3.1	JB63516-10	JB63516	04/01/2014	remaining	N	Y	UNDno (SP-SM)	0.41 J		S7
A23A	132-P3A-A23AR2	12.9	8.6	132-P3A-A23A-R2-16.0-16.5	16.0 - 16.5 ft	-3.1	-3.6	JB63516-11	JB63516	04/01/2014	remaining	N	Y		0.55		
A24A	132-B2	13.1	9.0	132B2A_0.0-0.8_803855	0.0 - 0.8 ft	13.1	12.3	803855	C438	01/30/2007	removed	N	Y		5.6 J		S8
A24A	132-B2	13.1	9.0	132B2AD_0.0-0.8_803856	0.0 - 0.8 ft	13.1	12.3	803856	C438	01/30/2007	removed	FD	Y		2.5 J		S8
A24A	132-B2	13.1	9.0	132B2B_4.4-4.9_803857	4.4 - 4.9 ft	8.7	8.2	803857	C438	01/30/2007	remaining	N	Y		< 3.08 UJ		
A24A	132-B2	13.1	9.0	132B2C_5.0-5.5_803859	5.0 - 5.5 ft	8.1	7.6	803859	C438	01/30/2007	remaining	N	Y		< 2.56 UJ		
A24A	132-B2	13.1	9.0	132B2E_6.0-6.5_803870	6.0 - 6.5 ft	7.1	6.6	803870	C438	01/30/2007	remaining	N	Y		< 2.79 UJ		
A24A	132-B2	13.1	9.0	132B2F_9.8-10.2_803871	9.8 - 10.2 ft	3.3	2.9	803871	C438	01/30/2007	remaining	N	Y		< 2.71 UJ		
A24A	132-B2	13.1	9.0	132B2G_13.0-13.4_803872	13.0 - 13.4 ft	0.1	-0.3	803872	C438	01/30/2007	remaining	N	Y		< 2.28 UJ		
A24A	132-P3A-A24A	13.6	9.0	132-P3A-A24A-2.5-3.0	2.5 - 3.0 ft	11.1	10.6	JB33174-1	JB33174	04/03/2013	removed	N	Y		0.64		S4, S9
A24A	132-P3A-A24A	13.6	9.0	132-P3A-A24A-8.0-8.5	8.0 - 8.5 ft	5.6	5.1	JB33174-2	JB33174	04/03/2013	remaining	N	Y		0.28 J		S9
A24A	132-P3A-A24A	13.6	9.0	132-P3A-A24A-12.0-12.5	12.0 - 12.5 ft	1.6	1.1	JB33174-3	JB33174	04/03/2013	remaining	N	Y		0.38 J		S9
A24A	132-P3A-A24A	13.6	9.0	132-P3A-A24A-15.0-15.5	15.0 - 15.5 ft	-1.4	-1.9	JB33174-5	JB33174	04/03/2013	remaining	N	Y		0.42 J		S9
A24A	132-P3A-A24A	13.6	9.0	132-P3A-A24A-16.5-17.0	16.5 - 17.0 ft	-2.9	-3.4	JB33174-6	JB33174	04/03/2013	remaining	N	Y		2.9		S9
A24A	132-P3A-A24A	13.6	9.0	132-P3A-A24A-17.0 -17.5	17.0 - 17.5 ft	-3.4	-3.9	JB33174-7	JB33174	04/03/2013	remaining	N	Y		1.9		S9
A24A	132-P3A-A24A	13.6	9.0	132-P3A-A24A-18.5-19.0	18.5 - 19.0 ft	-4.9	-5.4	JB33174-8	JB33174	04/03/2013	remaining	N	Y		1.1		S9
A24A	132-P3A-A24A	13.6	9.0	132-P3A-A24A-20.0-20.5	20.0 - 20.5 ft	-6.4	-6.9	JB33174-9	JB33174	04/03/2013	remaining	N	Y		1.5		S9
A27A	132-B1	13.6	12.8	132B1A_0.0-0.7_803864	0.0 - 0.7 ft	13.6	12.9	803864	C438	01/30/2007	removed	N	Y		< 2.75 UJ		S10
A27A	132-B1	13.6	12.8	132B1B_1.0-1.9_803865	1.0 - 1.9 ft	12.6	11.7	803865	C438	01/30/2007	remaining	N	Y		< 2.21 UJ		
A27A	132-B1	13.6	12.8	132B1E_4.4-4.8_804219	4.4 - 4.8 ft	9.2	8.8	804219	C482	01/31/2007	remaining	N	Y		< 2.46 UJ		
A27A	132-B1	13.6	12.8	132B1F_8.5-9.1_804222	8.5 - 9.1 ft	5.1	4.5	804222	C482	01/31/2007	remaining	N	Y		< 3.07 UJ		
A27A	132-B1	13.6	12.8	132B1FD_8.5-9.1_804223	8.5 - 9.1 ft	5.1	4.5	804223	C482	01/31/2007	remaining	FD	Y		< 3.12 UJ		
A27A	132-B1	13.6	12.8	132B1G_9.9-10.4_804224	9.9 - 10.4 ft	3.7	3.2	804224	C482	01/31/2007	remaining	N	Y		< 2.75 UJ		
A27A	132-B1	13.6	12.8	132B1H_12.0-12.5_804225	12.0 - 12.5 ft	1.6	1.1	804225	C482	01/31/2007	remaining	N	Y		< 2.37 UJ		
B20A	143-P3A-B20A	12.9	9.0	143-P3A-B20A-2.5-3.0	2.5 - 3.0 ft	10.4	9.9	JB34383-9	JB34383	04/16/2013	removed	N	Y		0.60 J		S2, S4
B20A	143-P3A-B20A	12.9	9.0	143-P3A-B20A-4.5-5.0	4.5 - 5.0 ft	8.4	7.9	JB34383-8R	JB34383R	04/16/2013	remaining	N	Y		4.6 J		S2
B20A	143-P3A-B20A	12.9	9.0	143-P3A-B20A-6.5-7.0	6.5 - 7.0 ft	6.4	5.9	JB34383-7R	JB34383R	04/16/2013	remaining	N	Y		1.7 J		S2
B20A	143-P3A-B20A	12.9	9.0	143-P3A-B20A-8.5-9.0	8.5 - 9.0 ft	4.4	3.9	JB34383-6	JB34383	04/16/2013	remaining	N	Y		< 0.17 UJ		S2
B20A	143-P3A-B20A	12.9	9.0	143-P3A-B20A-10.5-11.0	10.5 - 11.0 ft	2.4	1.9	JB34383-5R	JB34383R	04/16/2013	remaining	N	Y		0.32 J		S2
B20A	143-P3A-B20A	12.9	9.0	143-P3A-B20A-12.6-13.1	12.6 - 13.1 ft	0.3	-0.2	JB34383-4R	JB34383R	04/16/2013	remaining	N	Y		1.2 J		S2
B20A	143-P3A-B20A	12.9	9.0	143-P3A-B20A-13.1-13.6	13.1 - 13.6 ft	-0.2	-0.7	JB34383-3R	JB34383R	04/16/2013	remaining	N	Y		0.25 J		S2
B21A	132-P3A-B21A	13.8	9.1	132-P3A-B21A-4.5-5.0	4.5 - 5.0 ft	9.3	8.8	JB35055-3R	JB35055R	04/23/2013	remaining	N	Y		0.44 J		
B21A	132-P3A-B21A	13.8	9.1	132-P3A-B21A-6.5-7.0	6.5 - 7.0 ft	7.3	6.8	JB35055-4	JB35055	04/23/2013	remaining	N	Y		0.26 J		
B21A	132-P3A-B21A	13.8	9.1	132-P3A-B21A-8.5-9.0	8.5 - 9.0 ft	5.3	4.8	JB35055-5	JB35055	04/23/2013	remaining	N	Y		0.30 J		
B21A	132-P3A-B21A	13.8	9.1	132-P3A-B21A-10.5-11.0	10.5 - 11.0 ft	3.3	2.8	JB35055-6	JB35055	04/23/2013	remaining	N	Y		0.24 J		
B21A	132-P3A-B21A	13.8	9.1	132-P3A-B21A-10.5-11.0X	10.5 - 11.0 ft	3.3	2.8	JB35055-7R	JB35055R	04/23/2013	remaining	FD	Y		0.20 J		

Table 5-1
Cr⁺⁶ Analytical Results for In-Place Soil Compared to Chromium Soil Cleanup Criterion
Site 132, Garfield Avenue Group
PPG, Jersey City, New Jersey

															Analyte CAS RN Units CrSCC	CHROMIUM (HEXAVALENT) 18540-29-9 mg/kg 20		
Grid ID (G1)	Location ID (G2)	Location Elevation (ft NAVD88) (G3, G4, G5)	As-built TEE (ft NAVD88) (G4, G6, G7, G8)	Sample ID (G9)	Depth Interval (ft bgs) (G10)	Sample Start Elevation (ft NAVD88) (G4, G7, G8, G11)	Sample End Elevation (ft NAVD88) (G4, G12)	Lab ID (G13)	Lab SDG (G13)	Date Collected (G14)	Sample Status (G15)	Sample Type (G16)	Validated (Y/N) (G17)	Matrix (G18)	Result (G19, G20)	Qualifier (G21, G22)	Specific Notes	
B21A	132-P3A-B21A	13.8	9.1	132-P3A-B21A-12.5-13.0	12.5 - 13.0 ft	1.3	0.8	JB35055-8	JB35055	04/23/2013	remaining	N	Y		0.17	J		
B21A	132-P3A-B21A	13.8	9.1	132-P3A-B21A-13.8-14.3	13.8 - 14.3 ft	0.0	-0.5	JB35055-9	JB35055	04/23/2013	remaining	N	Y		0.63	J		
B21A	132-P3A-B21A	13.8	9.1	132-P3A-B21A-14.3-14.8	14.3 - 14.8 ft	-0.5	-1.0	JB35055-10R	JB35055R	04/23/2013	remaining	N	Y		5.9	J		
B22A	132-P3A-B22A	13.5	9.0	132-P3A-B22A-4.5-5.0	4.5 - 5.0 ft	9.0	8.5	JB34974-22R	JB34974R	04/22/2013	remaining	N	Y		0.27	J		
B22A	132-P3A-B22A	13.5	9.0	132-P3A-B22A-6.0-6.5	6.0 - 6.5 ft	7.5	7.0	JB34974-23R	JB34974R	04/22/2013	remaining	N	Y		0.33	J		
B22A	132-P3A-B22A	13.5	9.0	132-P3A-B22A-8.5-9.0	8.5 - 9.0 ft	5.0	4.5	JB34974-17	JB34974	04/22/2013	remaining	N	Y		0.52	J		
B22A	132-P3A-B22A	13.5	9.0	132-P3A-B22A-10.0-10.5	10.0 - 10.5 ft	3.5	3.0	JB34974-18R	JB34974R	04/22/2013	remaining	N	Y		0.34	J		
B22A	132-P3A-B22A	13.5	9.0	132-P3A-B22A-12.5-13.0	12.5 - 13.0 ft	1.0	0.5	JB34974-19	JB34974	04/22/2013	remaining	N	Y		0.33	J		
B22A	132-P3A-B22A	13.5	9.0	132-P3A-B22A-14.0-14.5	14.0 - 14.5 ft	-0.5	-1.0	JB34974-20R	JB34974R	04/22/2013	remaining	N	Y		0.57	J		
B22A	132-P3A-B22A	13.5	9.0	132-P3A-B22A-14.5-15.0	14.5 - 15.0 ft	-1.0	-1.5	JB34974-21	JB34974	04/22/2013	remaining	N	Y		4.2	J		
B23A	132-P3A-B23A	14.0	8.8	132-P3A-B23A-4.5-5.0	4.5 - 5.0 ft	9.5	9.0	JB28307-7R	JB28307R	02/07/2013	removed	N	Y		0.37	J	S4	
B23A	132-P3A-B23A	14.0	8.8	132-P3A-B23A-6.5-7.0	6.5 - 7.0 ft	7.5	7.0	JB28307-6	JB28307	02/07/2013	remaining	N	Y		0.38	J		
B23A	132-P3A-B23A	14.0	8.8	132-P3A-B23A-8.5-9.0	8.5 - 9.0 ft	5.5	5.0	JB28307-5R	JB28307R	02/07/2013	remaining	N	Y		< 0.19	UJ		
B23A	132-P3A-B23A	14.0	8.8	132-P3A-B23A-10.5-11.0	10.5 - 11.0 ft	3.5	3.0	JB28307-4	JB28307	02/07/2013	remaining	N	Y		0.27	J		
B23A	132-P3A-B23A	14.0	8.8	132-P3A-B23A-12.5-13.0	12.5 - 13.0 ft	1.5	1.0	JB35608-4R	JB35608R	04/29/2013	remaining	N	Y		0.19	J		
B23A	132-P3A-B23A	14.0	8.8	132-P3A-B23A-14.5-15.0	14.5 - 15.0 ft	-0.5	-1.0	JB35608-5R	JB35608R	04/29/2013	remaining	N	Y		0.45	J		
B23A	132-P3A-B23A	14.0	8.8	132-P3A-B23A-16.5-17.0	16.5 - 17.0 ft	-2.5	-3.0	JB28307-3	JB28307	02/07/2013	remaining	N	Y		0.41	J		
B23A	132-P3A-B23A	14.0	8.8	132-P3A-B23A-17.0-17.5	17.0 - 17.5 ft	-3.0	-3.5	JB28307-2	JB28307	02/07/2013	remaining	N	Y		0.24	J		
B24A	132-P3A-B24A	15.0	8.8	132-P3A-B24A-4.7-5.2	4.7 - 5.2 ft	10.3	9.8	JB32827-4	JB32827	03/29/2013	removed	N	Y		0.38	J	S4	
B24A	132-P3A-B24A	15.0	8.8	132-P3A-B24A-6.7-7.2	6.7 - 7.2 ft	8.3	7.8	JB32827-3	JB32827	03/29/2013	remaining	N	Y		< 0.15	U		
B24A	132-P3A-B24A	15.0	8.8	132-P3A-B24A-8.7-9.2	8.7 - 9.2 ft	6.3	5.8	JB32827-2	JB32827	03/29/2013	remaining	N	Y		< 0.16	U		
B24A	132-P3A-B24A	15.0	8.8	132-P3A-B24A-10.7-11.2	10.7 - 11.2 ft	4.3	3.8	JB32962-1	JB32962	04/01/2013	remaining	N	Y		< 0.15	UJ		
B24A	132-P3A-B24A	15.0	8.8	132-P3A-B24A-12.7-13.2	12.7 - 13.2 ft	2.3	1.8	JB32962-2	JB32962	04/01/2013	remaining	N	Y		< 0.18	UJ		
B24A	132-P3A-B24A	15.0	8.8	132-P3A-B24A-12.7-13.2X	12.7 - 13.2 ft	2.3	1.8	JB32962-3	JB32962	04/01/2013	remaining	FD	Y		< 0.17	UJ		
B24A	132-P3A-B24A	15.0	8.8	132-P3A-B24A-14.7-15.2	14.7 - 15.2 ft	0.3	-0.2	JB32962-4R	JB32962R	04/01/2013	remaining	N	Y		0.90	J		
B24A	132-P3A-B24A	15.0	8.8	132-P3A-B24A-15.2-15.7	15.2 - 15.7 ft	-0.2	-0.7	JB32962-5R	JB32962R	04/01/2013	remaining	N	Y		1.4	J		
B24A	132-P3A-B24A	15.0	8.8	132-P3A-B24A-15.7-16.2	15.7 - 16.2 ft	-0.7	-1.2	JB32962-6	JB32962	04/01/2013	remaining	N	Y		0.96	J		
B25A	132-P3A-B25A	15.1	12.8	132-P3A-B25A-1.0-1.5	1.0 - 1.5 ft	14.1	13.6	JB59727-1	JB59727	02/12/2014	removed	N	Y		2.2	RA	S10	
B25A	132-P3A-B25A	15.1	12.8	132-P3A-B25A-3.0-3.5	3.0 - 3.5 ft	12.1	11.6	JB59727-2	JB59727	02/12/2014	remaining	N	Y		0.35	RA		
B25A	132-P3A-B25A	15.1	12.8	132-P3A-B25A-5.0-5.5	5.0 - 5.5 ft	10.1	9.6	JB59727-3	JB59727	02/12/2014	remaining	N	Y		0.17	RA		
B25A	132-P3A-B25A	15.1	12.8	132-P3A-B25A-7.0-7.5	7.0 - 7.5 ft	8.1	7.6	JB59727-4R	JB59727R	02/12/2014	remaining	N	Y		0.50	RA		
B25A	132-P3A-B25A	15.1	12.8	132-P3A-B25A-9.0-9.5	9.0 - 9.5 ft	6.1	5.6	JB59727-5R	JB59727R	02/12/2014	remaining	N	Y		0.44	RA		
B25A	132-P3A-B25A	15.1	12.8	132-P3A-B25A-11.0-11.5	11.0 - 11.5 ft	4.1	3.6	JB59727-6	JB59727	02/12/2014	remaining	N	Y		0.61	RA		
B25A	132-P3A-B25A	15.1	12.8	132-P3A-B25A-13.0-13.5	13.0 - 13.5 ft	2.1	1.6	JB59727-7	JB59727	02/12/2014	remaining	N	Y		0.89	RA		
B25A	132-P3A-B25A	15.1	12.8	132-P3A-B25A-15.0-15.5	15.0 - 15.5 ft	0.1	-0.4	JB59727-8	JB59727	02/12/2014	remaining	N	Y		1.6	RA		
B25A	132-P3A-B25A	15.1	12.8	132-P3A-B25A-15.5-16.0	15.5 - 16.0 ft	-0.4	-0.9	JB59727-9	JB59727	02/12/2014	remaining	N	Y		6.2	RA		
B26A	132-P3A-B26A	13.6	12.8	132-P3A-B26A-1.0-1.5	1.0 - 1.5 ft	12.6	12.1	JB59604-1	JB59604	02/11/2014	remaining	N	Y		1.3	J		
B26A	132-P3A-B26A	13.6	12.8	132-P3A-B26A-3.0-3.5	3.0 - 3.5 ft	10.6	10.1	JB59604-3	JB59604	02/11/2014	remaining	N	Y		0.32	J		
B26A	132-P3A-B26A	13.6	12.8	132-P3A-B26A-5.0-5.5	5.0 - 5.5 ft	8.6	8.1	JB59604-4	JB59604	02/11/2014	remaining	N	Y		0.16	J		
B26A	132-P3A-B26A	13.6	12.8	132-P3A-B26A-7.0-7.5	7.0 - 7.5 ft	6.6	6.1	JB59604-6	JB59604	02/11/2014	remaining	N	Y		0.12	J		
B26A	132-P3A-B26A	13.6	12.8	132-P3A-B26A-9.0-9.5	9.0 - 9.5 ft	4.6	4.1	JB59604-5	JB59604	02/11/2014	remaining	N	Y		0.31	J		
B26A	132-P3A-B26A	13.6	12.8	132-P3A-B26A-11.0-11.5	11.0 - 11.5 ft	2.6	2.1	JB59604-7	JB59604	02/11/2014	remaining	N	Y		0.33	J		

Table 5-1
Cr⁺⁶ Analytical Results for In-Place Soil Compared to Chromium Soil Cleanup Criterion
Site 132, Garfield Avenue Group
PPG, Jersey City, New Jersey

															Analyte CAS RN Units CrSCC	CHROMIUM (HEXAVALENT) 18540-29-9 mg/kg 20	
Grid ID (G1)	Location ID (G2)	Location Elevation (ft NAVD88) (G3, G4, G5)	As-built TEE (ft NAVD88) (G4, G6, G7, G8)	Sample ID (G9)	Depth Interval (ft bgs) (G10)	Sample Start Elevation (ft NAVD88) (G4, G7, G8, G11)	Sample End Elevation (ft NAVD88) (G4, G12)	Lab ID (G13)	Lab SDG (G13)	Date Collected (G14)	Sample Status (G15)	Sample Type (G16)	Validated (Y/N) (G17)	Matrix (G18)	Result (G19, G20)	Qualifier (G21, G22)	Specific Notes
B26A	132-P3A-B26A	13.6	12.8	132-P3A-B26A-11.0-11.5X	11.0 - 11.5 ft	2.6	2.1	JB59604-8	JB59604	02/11/2014	remaining	FD	Y		0.16	J	
B26A	132-P3A-B26A	13.6	12.8	132-P3A-B26A-13.0-13.5	13.0 - 13.5 ft	0.6	0.1	JB59604-9	JB59604	02/11/2014	remaining	N	Y		< 0.094	UJ	
B26A	132-P3A-B26A	13.6	12.8	132-P3A-B26A-13.5-14.0	13.5 - 14.0 ft	0.1	-0.4	JB59604-10	JB59604	02/11/2014	remaining	N	Y		1.1	J	
B26A	132-P3A-MW102I	13.7	12.8	132-P3A-MW102I-22.0-22.5	22.0 - 22.5 ft	-8.3	-8.8	JC3896-6R	JC3896R	09/08/2015	remaining	N	Y		0.26	J	
B26A	132-P3A-MW102I	13.7	12.8	132-P3A-MW102I-26.5-27.0	26.5 - 27.0 ft	-12.8	-13.3	JC3896-7	JC3896	09/08/2015	remaining	N	Y		0.43	J	
B27A	132-P3A-B27A	13.8	12.9	132-P3A-B27A-1.0-1.5	1.0 - 1.5 ft	12.8	12.3	JB59604-11	JB59604	02/11/2014	remaining	N	Y		3.0	J	
B27A	132-P3A-B27A	13.8	12.9	132-P3A-B27A-3.0-3.5	3.0 - 3.5 ft	10.8	10.3	JB59604-12R	JB59604R	02/11/2014	remaining	N	Y		1.2	J	
B27A	132-P3A-B27A	13.8	12.9	132-P3A-B27A-5.0-5.5	5.0 - 5.5 ft	8.8	8.3	JB59604-13	JB59604	02/11/2014	remaining	N	Y		1.6	J	
B27A	132-P3A-B27A	13.8	12.9	132-P3A-B27A-7.0-7.5	7.0 - 7.5 ft	6.8	6.3	JB59604-14	JB59604	02/11/2014	remaining	N	Y		0.41	J	
B27A	132-P3A-B27A	13.8	12.9	132-P3A-B27A-9.0-9.5	9.0 - 9.5 ft	4.8	4.3	JB59604-15	JB59604	02/11/2014	remaining	N	Y		0.43	J	
B27A	132-P3A-B27A	13.8	12.9	132-P3A-B27A-11.0-11.5	11.0 - 11.5 ft	2.8	2.3	JB59604-16	JB59604	02/11/2014	remaining	N	Y		0.17	J	
B27A	132-P3A-B27A	13.8	12.9	132-P3A-B27A-13.0-13.5	13.0 - 13.5 ft	0.8	0.3	JB59604-17	JB59604	02/11/2014	remaining	N	Y		0.77	J	
B27A	132-P3A-B27A	13.8	12.9	132-P3A-B27A-13.5-14.0	13.5 - 14.0 ft	0.3	-0.2	JB59604-18	JB59604	02/11/2014	remaining	N	Y		0.49	J	
B28A	132-B28A	13.7	13.2	132-B28A-0.0-0.5	0.0 - 0.5 ft	13.7	13.2	JB71258-2	JB71258	07/09/2014	removed	N	Y		1.1	J	S10
B28A	132-P3A-B28A	13.9	13.2	132-P3A-B28A-1.0-1.5	1.0 - 1.5 ft	12.9	12.4	JB59604-20	JB59604	02/11/2014	remaining	N	Y		0.40	J	
B28A	132-P3A-B28A	13.9	13.2	132-P3A-B28A-3.0-3.5	3.0 - 3.5 ft	10.9	10.4	JB59604-21	JB59604	02/11/2014	remaining	N	Y		< 0.077	U	
B28A	132-P3A-B28A	13.9	13.2	132-P3A-B28A-5.0-5.5	5.0 - 5.5 ft	8.9	8.4	JB59604-22	JB59604	02/11/2014	remaining	N	Y		1.2		
B28A	132-P3A-B28A	13.9	13.2	132-P3A-B28A-7.0-7.5	7.0 - 7.5 ft	6.9	6.4	JB59604-23	JB59604	02/11/2014	remaining	N	Y		1.0		
B28A	132-P3A-B28A	13.9	13.2	132-P3A-B28A-9.0-9.5	9.0 - 9.5 ft	4.9	4.4	JB59604-24	JB59604	02/11/2014	remaining	N	Y		0.15	J	
B28A	132-P3A-B28A	13.9	13.2	132-P3A-B28A-11.0-11.5	11.0 - 11.5 ft	2.9	2.4	JB59604-25	JB59604	02/11/2014	remaining	N	Y		0.10	J	
B28A	132-P3A-B28A	13.9	13.2	132-P3A-B28A-13.0-13.5	13.0 - 13.5 ft	0.9	0.4	JB59604-26	JB59604	02/11/2014	remaining	N	Y		1.5		
B28A	132-P3A-B28A	13.9	13.2	132-P3A-B28A-13.5-14.0	13.5 - 14.0 ft	0.4	-0.1	JB59604-27	JB59604	02/11/2014	remaining	N	Y		1.0		
B29A	132-B29A	13.8	13.3	132-B29A-0.0-0.5	0.0 - 0.5 ft	13.8	13.3	JB71258-4R	JB71258R	07/09/2014	removed	N	Y		1.9	J	S10
B29A	132-P3A-B29A	13.9	13.3	132-P3A-B29A-1.0-1.5	1.0 - 1.5 ft	12.9	12.4	JB59742-5	JB59742	02/12/2014	remaining	N	Y		0.68	J	
B29A	132-P3A-B29A	13.9	13.3	132-P3A-B29A-3.0-3.5	3.0 - 3.5 ft	10.9	10.4	JB59742-6	JB59742	02/12/2014	remaining	N	Y		0.47	J	
B29A	132-P3A-B29A	13.9	13.3	132-P3A-B29A-5.0-5.5	5.0 - 5.5 ft	8.9	8.4	JB59742-7R	JB59742R	02/12/2014	remaining	N	Y		0.35	J	
B29A	132-P3A-B29A	13.9	13.3	132-P3A-B29A-7.0-7.5	7.0 - 7.5 ft	6.9	6.4	JB59742-3R	JB59742R	02/12/2014	remaining	N	Y		0.40	J	
B29A	132-P3A-B29A	13.9	13.3	132-P3A-B29A-9.0-9.5	9.0 - 9.5 ft	4.9	4.4	JB59742-4R	JB59742R	02/12/2014	remaining	N	Y		0.41	J	
B29A	132-P3A-B29A	13.9	13.3	132-P3A-B29A-9.5-10.0	9.5 - 10.0 ft	4.4	3.9	JB59742-8R	JB59742R	02/12/2014	remaining	N	Y		0.67	J	
B29A	132-P3A-B29A	13.9	13.3	132-P3A-B29A-10.0-10.5	10.0 - 10.5 ft	3.9	3.4	JB59742-9R	JB59742R	02/12/2014	remaining	N	Y		1.2	J	
B30A	132-B30A	14.5	13.6	132-B30A-0.0-0.5	0.0 - 0.5 ft	14.5	14.0	JB71258-6R	JB71258R	07/09/2014	removed	N	Y		1.6	J	S10
B30A	132-P3A-B30A	14.5	13.6	132-P3A-B30A-1.0-1.5	1.0 - 1.5 ft	13.5	13.0	JB60084-3R	JB60084R	02/19/2014	remaining	N	Y		0.97	J	
B30A	132-P3A-B30A	14.5	13.6	132-P3A-B30A-3.0-3.5	3.0 - 3.5 ft	11.5	11.0	JB60084-4R	JB60084R	02/19/2014	remaining	N	Y		0.19	J	
B30A	132-P3A-B30A	14.5	13.6	132-P3A-B30A-5.0-5.5	5.0 - 5.5 ft	9.5	9.0	JB60084-5	JB60084	02/19/2014	remaining	N	Y		0.49	J	
B30A	132-P3A-B30A	14.5	13.6	132-P3A-B30A-7.0-7.5	7.0 - 7.5 ft	7.5	7.0	JB60084-6	JB60084	02/19/2014	remaining	N	Y		0.17	J	
B30A	132-P3A-B30A	14.5	13.6	132-P3A-B30A-9.0-9.5	9.0 - 9.5 ft	5.5	5.0	JB60084-7	JB60084	02/19/2014	remaining	N	Y		0.17	J	
B30A	132-P3A-B30A	14.5	13.6	132-P3A-B30A-11.0-11.5	11.0 - 11.5 ft	3.5	3.0	JB60084-8	JB60084	02/19/2014	remaining	N	Y		0.37	J	
B30A	132-P3A-B30A	14.5	13.6	132-P3A-B30A-13.0-13.5	13.0 - 13.5 ft	1.5	1.0	JB60084-9	JB60084	02/19/2014	remaining	N	Y		1.8	J	
B30A	132-P3A-B30A	14.5	13.6	132-P3A-B30A-13.0-13.5X	13.0 - 13.5 ft	1.5	1.0	JB60084-10	JB60084	02/19/2014	remaining	FD	Y		1.5	J	
B30A	132-P3A-B30A	14.5	13.6	132-P3A-B30A-13.5-14.0	13.5 - 14.0 ft	1.0	0.5	JB60084-11R	JB60084R	02/19/2014	remaining	N	Y		1.1	J	
C20A	143-P3A-C20A	12.7	6.1	143-P3A-C20A-6.5-7.0	6.5 - 7.0 ft	6.2	5.7	JB34285-5	JB34285	04/15/2013	remaining	N	Y		0.33	J	S2
C20A	143-P3A-C20A	12.7	6.1	143-P3A-C20A-8.5-9.0	8.5 - 9.0 ft	4.2	3.7	JB34285-4	JB34285	04/15/2013	remaining	N	Y		0.73	J	S2

Table 5-1
Cr⁺⁶ Analytical Results for In-Place Soil Compared to Chromium Soil Cleanup Criterion
Site 132, Garfield Avenue Group
PPG, Jersey City, New Jersey

															Analyte CAS RN Units CrSCC	CHROMIUM (HEXAVALENT) 18540-29-9 mg/kg 20	
Grid ID (G1)	Location ID (G2)	Location Elevation (ft NAVD88) (G3, G4, G5)	As-built TEE (ft NAVD88) (G4, G6, G7, G8)	Sample ID (G9)	Depth Interval (ft bgs) (G10)	Sample Start Elevation (ft NAVD88) (G4, G7, G8, G11)	Sample End Elevation (ft NAVD88) (G4, G12)	Lab ID (G13)	Lab SDG (G13)	Date Collected (G14)	Sample Status (G15)	Sample Type (G16)	Validated (Y/N) (G17)	Matrix (G18)	Result (G19, G20)	Qualifier (G21, G22)	Specific Notes
C20A	143-P3A-C20A	12.7	6.1	143-P3A-C20A-10.5-11.0	10.5 - 11.0 ft	2.2	1.7	JB34285-3	JB34285	04/15/2013	remaining	N	Y		< 0.17	UJ	S2
C20A	143-P3A-C20A	12.7	6.1	143-P3A-C20A-12.0-12.5	12.0 - 12.5 ft	0.7	0.2	JB34285-2	JB34285	04/15/2013	remaining	N	Y		0.24	J	S2
C20A	143-P3A-C20A	12.7	6.1	143-P3A-C20A-12.5-13.0	12.5 - 13.0 ft	0.2	-0.3	JB34285-1R	JB34285R	04/15/2013	remaining	N	Y		0.26	J	S2
C21A	132-P3A-C21A	13.7	8.8	132-P3A-C21A-4.5-5.0	4.5 - 5.0 ft	9.2	8.7	JB35480-3	JB35480	04/26/2013	remaining	N	Y		< 0.14	UJ	
C21A	132-P3A-C21A	13.7	8.8	132-P3A-C21A-6.5-7.0	6.5 - 7.0 ft	7.2	6.7	JB35480-4R	JB35480R	04/26/2013	remaining	N	Y		< 0.17	UJ	
C21A	132-P3A-C21A	13.7	8.8	132-P3A-C21A-8.5-9.0	8.5 - 9.0 ft	5.2	4.7	JB35480-5	JB35480	04/26/2013	remaining	N	Y		< 0.23	UJ	
C21A	132-P3A-C21A	13.7	8.8	132-P3A-C21A-10.5-11.0	10.5 - 11.0 ft	3.2	2.7	JB35480-6	JB35480	04/26/2013	remaining	N	Y		< 0.17	UJ	
C21A	132-P3A-C21A	13.7	8.8	132-P3A-C21A-12.5-13.0	12.5 - 13.0 ft	1.2	0.7	JB35480-7	JB35480	04/26/2013	remaining	N	Y		< 0.16	UJ	
C21A	132-P3A-C21A	13.7	8.8	132-P3A-C21A-14.5-15.0	14.5 - 15.0 ft	-0.8	-1.3	JB35480-9	JB35480	04/26/2013	remaining	N	Y		< 0.15	UJ	
C21A	132-P3A-C21A	13.7	8.8	132-P3A-C21A-15.0-15.5	15.0 - 15.5 ft	-1.3	-1.8	JB35480-10	JB35480	04/26/2013	remaining	N	Y		0.65	J	
C21A	132-P3A-C21A	13.7	8.8	132-P3A-C21A-15.5-16.0	15.5 - 16.0 ft	-1.8	-2.3	JB35480-11R	JB35480R	04/26/2013	remaining	N	Y		3.0	J	
C22A	132-P3A-C22A	13.5	9.0	132-P3A-C22A-3.5-4.0	3.5 - 4.0 ft	10.0	9.5	JB45356-3R	JB45356R	08/21/2013	removed	N	Y		0.16	J	S4
C22A	132-P3A-C22A	13.5	9.0	132-P3A-C22A-5.5-6.0	5.5 - 6.0 ft	8.0	7.5	JB45356-4R	JB45356R	08/21/2013	remaining	N	Y		0.19	J	
C22A	132-P3A-C22A	13.5	9.0	132-P3A-C22A-7.5-8.0	7.5 - 8.0 ft	6.0	5.5	JB45356-5R	JB45356R	08/21/2013	remaining	N	Y		0.71		
C22A	132-P3A-C22A	13.5	9.0	132-P3A-C22A-8.5-9.0	8.5 - 9.0 ft	5.0	4.5	JB45356-6R	JB45356R	08/21/2013	remaining	N	Y		0.17	J	
C22A	132-P3A-C22A	13.5	9.0	132-P3A-C22A-10.5-11.0	10.5 - 11.0 ft	3.0	2.5	JB45356-7R	JB45356R	08/21/2013	remaining	N	Y		0.23	J	
C22A	132-P3A-C22A	13.5	9.0	132-P3A-C22A-12.5-13.0	12.5 - 13.0 ft	1.0	0.5	JB45356-8R	JB45356R	08/21/2013	remaining	N	Y		0.16	J	
C22A	132-P3A-C22A	13.5	9.0	132-P3A-C22A-13.5-14.0	13.5 - 14.0 ft	0.0	-0.5	JB45356-9R	JB45356R	08/21/2013	remaining	N	Y		< 0.087	U	
C22A	132-P3A-C22A	13.5	9.0	132-P3A-C22A-15.5-16.3	15.5 - 16.3 ft	-2.0	-2.8	JB45356-10R	JB45356R	08/21/2013	remaining	N	Y		0.94		
C22A	132-P3A-C22A	13.5	9.0	132-P3A-C22A-16.3-16.8	16.3 - 16.8 ft	-2.8	-3.3	JB45356-11R	JB45356R	08/21/2013	remaining	N	Y		1.1	J	
C23A	132-P3A-C23A	14.4	8.9	132-P3A-C23A-4.5-5.0	4.5 - 5.0 ft	9.9	9.4	JB28307-14R	JB28307R	02/07/2013	removed	N	Y		4.1	J	S4
C23A	132-P3A-C23A	14.4	8.9	132-P3A-C23A-6.5-7.0	6.5 - 7.0 ft	7.9	7.4	JB28307-13	JB28307	02/07/2013	remaining	N	Y		0.21	J	
C23A	132-P3A-C23A	14.4	8.9	132-P3A-C23A-8.5-9.0	8.5 - 9.0 ft	5.9	5.4	JB28307-12	JB28307	02/07/2013	remaining	N	Y		0.30	J	
C23A	132-P3A-C23A	14.4	8.9	132-P3A-C23A-10.5-11.0	10.5 - 11.0 ft	3.9	3.4	JB35608-8	JB35608	04/29/2013	remaining	N	Y		0.35	J	
C23A	132-P3A-C23A	14.4	8.9	132-P3A-C23A-12.5-13.0	12.5 - 13.0 ft	1.9	1.4	JB35608-6	JB35608	04/29/2013	remaining	N	Y		< 0.17	UJ	
C23A	132-P3A-C23A	14.4	8.9	132-P3A-C23A-14.3-14.8	14.3 - 14.8 ft	0.1	-0.4	JB28307-11R	JB28307RT	02/07/2013	remaining	N	Y		0.44	J	
C23A	132-P3A-C23A	14.4	8.9	132-P3A-C23A-14.8-15.3	14.8 - 15.3 ft	-0.4	-0.9	JB28307-10R	JB28307R	02/07/2013	remaining	N	Y		1.2	J	
C24A	132-P3A-C24A	14.9	9.1	132-P3A-C24A-4.7-5.2	4.7 - 5.2 ft	10.2	9.7	JB32827-14	JB32827	03/29/2013	removed	N	Y		0.50		S4
C24A	132-P3A-C24A	14.9	9.1	132-P3A-C24A-6.7-7.2	6.7 - 7.2 ft	8.2	7.7	JB32827-13	JB32827	03/29/2013	remaining	N	Y		0.17	J	
C24A	132-P3A-C24A	14.9	9.1	132-P3A-C24A-8.7-9.2	8.7 - 9.2 ft	6.2	5.7	JB32827-12	JB32827	03/29/2013	remaining	N	Y		0.18	J	
C24A	132-P3A-C24A	14.9	9.1	132-P3A-C24A-10.7-11.2	10.7 - 11.2 ft	4.2	3.7	JB32827-11	JB32827	03/29/2013	remaining	N	Y		0.29	J	
C24A	132-P3A-C24A	14.9	9.1	132-P3A-C24A-12.7-13.2	12.7 - 13.2 ft	2.2	1.7	JB34502-1	JB34502	04/17/2013	remaining	N	Y		< 0.19	RA	
C24A	132-P3A-C24A	14.9	9.1	132-P3A-C24A-14.7-15.2	14.7 - 15.2 ft	0.2	-0.3	JB32827-10	JB32827	03/29/2013	remaining	N	Y		0.46	J	
C24A	132-P3A-C24A	14.9	9.1	132-P3A-C24A-16.7-17.2	16.7 - 17.2 ft	-1.8	-2.3	JB32827-9	JB32827	03/29/2013	remaining	N	Y		0.16	J	
C24A	132-P3A-C24A	14.9	9.1	132-P3A-C24A-17.2-17.7	17.2 - 17.7 ft	-2.3	-2.8	JB32827-8	JB32827	03/29/2013	remaining	N	Y		0.20	J	
C24A	132-P3A-C24A	14.9	9.1	132-P3A-C24A-17.7-18.2	17.7 - 18.2 ft	-2.8	-3.3	JB32827-7	JB32827	03/29/2013	remaining	N	Y		1.4	J	
C25A	132-P3A-C25A	15.1	12.6	132-P3A-C25A-1.0-1.5	1.0 - 1.5 ft	14.1	13.6	JB59727-10	JB59727	02/12/2014	removed	N	Y		0.54	RA	S10
C25A	132-P3A-C25A	15.1	12.6	132-P3A-C25A-1.0-1.5X	1.0 - 1.5 ft	14.1	13.6	JB59727-11	JB59727	02/12/2014	removed	FD	Y		1.1	RA	S10
C25A	132-P3A-C25A	15.1	12.6	132-P3A-C25A-3.0-3.5	3.0 - 3.5 ft	12.1	11.6	JB59727-12R	JB59727R	02/12/2014	remaining	N	Y		0.62	RA	
C25A	132-P3A-C25A	15.1	12.6	132-P3A-C25A-5.0-5.5	5.0 - 5.5 ft	10.1	9.6	JB59727-13R	JB59727R	02/12/2014	remaining	N	Y		1.1	RA	
C25A	132-P3A-C25A	15.1	12.6	132-P3A-C25A-7.0-7.5	7.0 - 7.5 ft	8.1	7.6	JB59727-14	JB59727	02/12/2014	remaining	N	Y		0.45	RA	
C25A	132-P3A-C25A	15.1	12.6	132-P3A-C25A-9.0-9.5	9.0 - 9.5 ft	6.1	5.6	JB59727-15	JB59727	02/12/2014	remaining	N	Y		< 0.089	RA	

Table 5-1
Cr⁺⁶ Analytical Results for In-Place Soil Compared to Chromium Soil Cleanup Criterion
Site 132, Garfield Avenue Group
PPG, Jersey City, New Jersey

															Analyte CAS RN Units CrSCC	CHROMIUM (HEXAVALENT) 18540-29-9 mg/kg 20	
Grid ID (G1)	Location ID (G2)	Location Elevation (ft NAVD88) (G3, G4, G5)	As-built TEE (ft NAVD88) (G4, G6, G7, G8)	Sample ID (G9)	Depth Interval (ft bgs) (G10)	Sample Start Elevation (ft NAVD88) (G4, G7, G8, G11)	Sample End Elevation (ft NAVD88) (G4, G12)	Lab ID (G13)	Lab SDG (G13)	Date Collected (G14)	Sample Status (G15)	Sample Type (G16)	Validated (Y/N) (G17)	Matrix (G18)	Result (G19, G20)	Qualifier (G21, G22)	Specific Notes
C25A	132-P3A-C25A	15.1	12.6	132-P3A-C25A-11.0-11.5	11.0 - 11.5 ft	4.1	3.6	JB59727-16R	JB59727R	02/12/2014	remaining	N	Y		< 0.14	RA	
C25A	132-P3A-C25A	15.1	12.6	132-P3A-C25A-13.0-13.5	13.0 - 13.5 ft	2.1	1.6	JB59727-17R	JB59727R	02/12/2014	remaining	N	Y		0.29	RA	
C25A	132-P3A-C25A	15.1	12.6	132-P3A-C25A-15.0-15.5	15.0 - 15.5 ft	0.1	-0.4	JB59727-18	JB59727	02/12/2014	remaining	N	Y		< 0.081	RA	
C25A	132-P3A-C25A	15.1	12.6	132-P3A-C25A-15.7-16.2	15.7 - 16.2 ft	-0.6	-1.1	JB59727-19R	JB59727R	02/12/2014	remaining	N	Y		0.55	RA	
C25A	132-P3A-C25A	15.1	12.6	132-P3A-C25A-16.2-16.7	16.2 - 16.7 ft	-1.1	-1.6	JB59727-20	JB59727	02/12/2014	remaining	N	Y		< 0.23	RA	
C26A	132-P3A-C26A	15.2	12.7	132-P3A-C26A-1.0-1.5	1.0 - 1.5 ft	14.2	13.7	JB59187-1R	JB59187R	02/04/2014	removed	N	Y		2.9	J	S10
C26A	132-P3A-C26A	15.2	12.7	132-P3A-C26A-3.0-3.5	3.0 - 3.5 ft	12.2	11.7	JB59187-2	JB59187	02/04/2014	remaining	N	Y		0.18	J	
C26A	132-P3A-C26A	15.2	12.7	132-P3A-C26A-5.0-5.5	5.0 - 5.5 ft	10.2	9.7	JB59187-3	JB59187	02/04/2014	remaining	N	Y		0.55	J	
C26A	132-P3A-C26A	15.2	12.7	132-P3A-C26A-7.0-7.5	7.0 - 7.5 ft	8.2	7.7	JB59187-4	JB59187	02/04/2014	remaining	N	Y		0.35	J	
C26A	132-P3A-C26A	15.2	12.7	132-P3A-C26A-9.0-9.5	9.0 - 9.5 ft	6.2	5.7	JB59187-5R	JB59187R	02/04/2014	remaining	N	Y		0.26	J	
C26A	132-P3A-C26A	15.2	12.7	132-P3A-C26A-11.0-11.5	11.0 - 11.5 ft	4.2	3.7	JB59187-6R	JB59187R	02/04/2014	remaining	N	Y		0.57	J	
C26A	132-P3A-C26A	15.2	12.7	132-P3A-C26A-13.0-13.5	13.0 - 13.5 ft	2.2	1.7	JB59187-7R	JB59187R	02/04/2014	remaining	N	Y		0.14	J	
C26A	132-P3A-C26A	15.2	12.7	132-P3A-C26A-15.0-15.5	15.0 - 15.5 ft	0.2	-0.3	JB59187-8R	JB59187R	02/04/2014	remaining	N	Y		2.0	J	
C26A	132-P3A-C26A	15.2	12.7	132-P3A-C26A-15.5-16.0	15.5 - 16.0 ft	-0.3	-0.8	JB59187-9R	JB59187R	02/04/2014	remaining	N	Y		9.1	J	
C26A	132-P3A-C26A	15.2	12.7	132-P3A-C26A-16.0-16.5	16.0 - 16.5 ft	-0.8	-1.3	JB59187-10	JB59187	02/04/2014	removed	N	Y	UNDorg (OL)	73.6	J	S11
C26A	132-P3A-C26A	15.2	12.7	132-P3A-C26A-16.0-16.5R	16.0 - 16.5 ft	-0.8	-1.3	JB60433-1	JB60433	02/24/2014	remaining	N	Y		3.3	J	S11
C27A	132-P3A-C27A	15.1	13.0	132-P3A-C27A-1.0-1.5	1.0 - 1.5 ft	14.1	13.6	JB59185-1	JB59185	02/04/2014	removed	N	Y		0.88	J	S10
C27A	132-P3A-C27A	15.1	13.0	132-P3A-C27A-3.0-3.5	3.0 - 3.5 ft	12.1	11.6	JB59185-4	JB59185	02/04/2014	remaining	N	Y		0.78	J	
C27A	132-P3A-C27A	15.1	13.0	132-P3A-C27A-5.0-5.5	5.0 - 5.5 ft	10.1	9.6	JB59185-5	JB59185	02/04/2014	remaining	N	Y		0.75	J	
C27A	132-P3A-C27A	15.1	13.0	132-P3A-C27A-7.0-7.5	7.0 - 7.5 ft	8.1	7.6	JB59185-6T	JB59185T	02/04/2014	remaining	N	Y		0.28	J	
C27A	132-P3A-C27A	15.1	13.0	132-P3A-C27A-9.0-9.5	9.0 - 9.5 ft	6.1	5.6	JB59185-7T	JB59185T	02/04/2014	remaining	N	Y		0.68	J	
C27A	132-P3A-C27A	15.1	13.0	132-P3A-C27A-11.0-11.5	11.0 - 11.5 ft	4.1	3.6	JB59185-8	JB59185	02/04/2014	remaining	N	Y		0.64	J	
C27A	132-P3A-C27A	15.1	13.0	132-P3A-C27A-13.0-13.5	13.0 - 13.5 ft	2.1	1.6	JB59185-9	JB59185	02/04/2014	remaining	N	Y		6.0	J	
C27A	132-P3A-C27A	15.1	13.0	132-P3A-C27A-14.5-15.0	14.5 - 15.0 ft	0.6	0.1	JB59185-10	JB59185	02/04/2014	remaining	N	Y		1.2	J	
C27A	132-P3A-C27A	15.1	13.0	132-P3A-C27A-15.0-15.5	15.0 - 15.5 ft	0.1	-0.4	JB59185-3	JB59185	02/04/2014	remaining	N	Y		1.0	J	
C28A	132-P3A-C28A	15.2	13.1	132-P3A-C28A-1.0-1.5	1.0 - 1.5 ft	14.2	13.7	JB59742-12R	JB59742R	02/12/2014	removed	N	Y		0.50	J	S10
C28A	132-P3A-C28A	15.2	13.1	132-P3A-C28A-3.0-3.5	3.0 - 3.5 ft	12.2	11.7	JB59742-13R	JB59742R	02/12/2014	remaining	N	Y		0.43	J	
C28A	132-P3A-C28A	15.2	13.1	132-P3A-C28A-5.0-5.5	5.0 - 5.5 ft	10.2	9.7	JB59742-14	JB59742	02/12/2014	remaining	N	Y		< 0.083	UJ	
C28A	132-P3A-C28A	15.2	13.1	132-P3A-C28A-7.0-7.5	7.0 - 7.5 ft	8.2	7.7	JB59742-15	JB59742	02/12/2014	remaining	N	Y		0.34	J	
C28A	132-P3A-C28A	15.2	13.1	132-P3A-C28A-9.0-9.5	9.0 - 9.5 ft	6.2	5.7	JB59742-16R	JB59742R	02/12/2014	remaining	N	Y		0.34	J	
C28A	132-P3A-C28A	15.2	13.1	132-P3A-C28A-11.0-11.5	11.0 - 11.5 ft	4.2	3.7	JB59742-17R	JB59742R	02/12/2014	remaining	N	Y		0.13	J	
C28A	132-P3A-C28A	15.2	13.1	132-P3A-C28A-13.0-13.5	13.0 - 13.5 ft	2.2	1.7	JB59742-1	JB59742	02/12/2014	remaining	N	Y		2.4	J	
C28A	132-P3A-C28A	15.2	13.1	132-P3A-C28A-13.5-14.0	13.5 - 14.0 ft	1.7	1.2	JB59742-2	JB59742	02/12/2014	remaining	N	Y		0.20	J	
C29A	132-P3A-C29A	15.2	13.2	132-P3A-C29A-2.0-2.5	2.0 - 2.5 ft	13.2	12.7	JB59742-18	JB59742	02/12/2014	remaining	N	Y		7.9	J	
C29A	132-P3A-C29A	15.2	13.2	132-P3A-C29A-4.0-4.5	4.0 - 4.5 ft	11.2	10.7	JB59742-19	JB59742	02/12/2014	remaining	N	Y		< 0.077	UJ	
C29A	132-P3A-C29A	15.2	13.2	132-P3A-C29A-6.0-6.5	6.0 - 6.5 ft	9.2	8.7	JB59742-20	JB59742	02/12/2014	remaining	N	Y		0.68	J	
C29A	132-P3A-C29A	15.2	13.2	132-P3A-C29A-6.0-6.5X	6.0 - 6.5 ft	9.2	8.7	JB59742-23	JB59742	02/12/2014	remaining	FD	Y		1.3	J	
C29A	132-P3A-C29A	15.2	13.2	132-P3A-C29A-8.0-8.5	8.0 - 8.5 ft	7.2	6.7	JB59742-21R	JB59742R	02/12/2014	remaining	N	Y		1.3	J	
C29A	132-P3A-C29A	15.2	13.2	132-P3A-C29A-10.0-10.5	10.0 - 10.5 ft	5.2	4.7	JB59742-22R	JB59742R	02/12/2014	remaining	N	Y		0.35	J	
C29A	132-P3A-C29A	15.2	13.2	132-P3A-C29A-12.0-12.5	12.0 - 12.5 ft	3.2	2.7	JB59742-24R	JB59742R	02/12/2014	remaining	N	Y		0.32	J	
C29A	132-P3A-C29A	15.2	13.2	132-P3A-C29A-13.0-13.5	13.0 - 13.5 ft	2.2	1.7	JB59742-25	JB59742	02/12/2014	remaining	N	Y		0.39	J	
C29A	132-P3A-C29A	15.2	13.2	132-P3A-C29A-13.5-14.0	13.5 - 14.0 ft	1.7	1.2	JB59742-26R	JB59742R	02/12/2014	remaining	N	Y		0.58	J	

Table 5-1
Cr⁺⁶ Analytical Results for In-Place Soil Compared to Chromium Soil Cleanup Criterion
Site 132, Garfield Avenue Group
PPG, Jersey City, New Jersey

															Analyte CAS RN Units CrSCC	CHROMIUM (HEXAVALENT) 18540-29-9 mg/kg 20	
Grid ID (G1)	Location ID (G2)	Location Elevation (ft NAVD88) (G3, G4, G5)	As-built TEE (ft NAVD88) (G4, G6, G7, G8)	Sample ID (G9)	Depth Interval (ft bgs) (G10)	Sample Start Elevation (ft NAVD88) (G4, G7, G8, G11)	Sample End Elevation (ft NAVD88) (G4, G12)	Lab ID (G13)	Lab SDG (G13)	Date Collected (G14)	Sample Status (G15)	Sample Type (G16)	Validated (Y/N) (G17)	Matrix (G18)	Result (G19, G20)	Qualifier (G21, G22)	Specific Notes
C30A	132-MW2C	14.9	13.9	1322CA_0.5-1.0_804229	0.5 - 1.0 ft	14.4	13.9	804229	C482	01/31/2007	removed	N	Y		< 2.29	UJ	S10
C30A	132-MW2C	14.9	13.9	1322CB_2.0-2.5_804230	2.0 - 2.5 ft	12.9	12.4	804230	C482	01/31/2007	remaining	N	Y		< 2.41	UJ	
C30A	132-MW2C	14.9	13.9	1322CC_3.1-3.5_804231	3.1 - 3.5 ft	11.8	11.4	804231	C482	01/31/2007	remaining	N	Y		< 2.24	UJ	
C30A	132-MW2C	14.9	13.9	132-2CE_5.5-6.0_814826	5.5 - 6.0 ft	9.4	8.9	814826	E120	03/19/2007	remaining	N	Y		< 2.81	U	
C30A	132-MW2C	14.9	13.9	132-2CF_7.4-7.9_814827	7.4 - 7.9 ft	7.5	7.0	814827	E120	03/19/2007	remaining	N	Y		< 2.41	U	
C30A	132-MW2C	14.9	13.9	132-2CG_9.3-9.8_814828	9.3 - 9.8 ft	5.6	5.1	814828	E120	03/19/2007	remaining	N	Y		< 2.56	U	
C30A	132-MW2C	14.9	13.9	132-2CH_11.0-12.0_814829	11.0 - 12.0 ft	3.9	2.9	814829	E120	03/19/2007	remaining	N	Y		< 3.1	U	
C30A	132-MW2C	14.9	13.9	132-2CI_13.0-14.0_814830	13.0 - 14.0 ft	1.9	0.9	814830	E120	03/19/2007	remaining	N	Y		< 3.15	U	
C30A	132-MW2C	14.9	13.9	132-2CID_13.0-14.0_814831	13.0 - 14.0 ft	1.9	0.9	814831	E120	03/19/2007	remaining	FD	Y		< 3.08	U	
C30A	132-MW2C	14.9	13.9	132-2CJ_15.0-15.5_814832	15.0 - 15.5 ft	-0.1	-0.6	814832	E120	03/19/2007	remaining	N	Y		< 2.4	U	
C30A	132-MW2C	14.9	13.9	132-2CK_18.5-19.0_814833	18.5 - 19.0 ft	-3.6	-4.1	814833	E120	03/19/2007	remaining	N	Y		< 2.25	U	
C30A	EF-53	14.7	13.9	EF-B53-2.0	2.0 - 2.5 ft	12.7	12.2	460-26847-13	460268471	05/24/2011	remaining	N	Y		< 0.57	U	
C30A	EF-53	14.7	13.9	EF-B53-5.0	5.0 - 5.5 ft	9.7	9.2	460-26847-22	460268471	05/24/2011	remaining	N	Y		< 0.65	U	
C30A	EF-53	14.7	13.9	EF-B53-16.5	16.5 - 17.0 ft	-1.8	-2.3	460-26847-23	460268471	05/24/2011	remaining	N	Y		< 0.56	U	
C30A	EF-53	14.7	13.9	EF-B53-21.5	21.5 - 22.0 ft	-6.8	-7.3	460-26847-24	460268471	05/24/2011	remaining	N	Y		< 0.55	U	
D20A	143-B3	12.9	5.0	PPG-143-B3F_9.3-10.1_799377	9.3 - 10.1 ft	3.6	2.8	799377	B818	01/11/2007	remaining	N	Y		< 3.2	UJ	S2
D20A	143-B3	12.9	5.0	PPG-143-B3G_12.8-13.4_799360	12.8 - 13.4 ft	0.1	-0.5	799360	B818	01/11/2007	remaining	N	Y		< 2.89	UJ	S2
D20A	143-B3	12.9	5.0	PPG-143-B3H_13.9-14.5_799361	13.9 - 14.5 ft	-1.0	-1.6	799361	B818	01/11/2007	remaining	N	Y		< 8.2	UJ	S2
D20A	143-B3	12.9	5.0	PPG-143-B3I_17.0-17.5_799372	17.0 - 17.5 ft	-4.1	-4.6	799372	B818	01/11/2007	remaining	N	Y		< 6.51	UJ	S2
D20A	143-B3	12.9	5.0	PPG-143-B3J_18.2-18.8_799373	18.2 - 18.8 ft	-5.3	-5.9	799373	B818	01/11/2007	remaining	N	Y		< 2.41	UJ	S2
D20A	143-B3	12.9	5.0	PPG-143-B3JD_18.2-18.8_799374	18.2 - 18.8 ft	-5.3	-5.9	799374	B818	01/11/2007	remaining	FD	Y		< 2.44	UJ	S2
D20A	143-D20A-PB	12.9	5.0	143-D20A-PB-7.9-8.4	7.9 - 8.4 ft	5.0	4.5	JB64647-1	JB64647	04/14/2014	remaining	N	Y		0.28	RA	S2
D20A	143-P3A-D20A	12.9	5.0	143-P3A-D20A-8.5-9.0	8.5 - 9.0 ft	4.4	3.9	JB34285-11	JB34285	04/15/2013	remaining	N	Y		1.6	J	S2
D20A	143-P3A-D20A	12.9	5.0	143-P3A-D20A-10.5-11.0	10.5 - 11.0 ft	2.4	1.9	JB34285-10	JB34285	04/15/2013	remaining	N	Y		< 0.18	UJ	S2
D20A	143-P3A-D20A	12.9	5.0	143-P3A-D20A-12.3-12.8	12.3 - 12.8 ft	0.6	0.1	JB34285-9	JB34285	04/15/2013	remaining	N	Y		< 0.19	UJ	S2
D20A	143-P3A-D20A	12.9	5.0	143-P3A-D20A-12.8-13.3	12.8 - 13.3 ft	0.1	-0.4	JB34285-8R	JB34285R	04/15/2013	remaining	N	Y		0.61	J	S2
D21A	132-P3A-D21A	13.8	8.1	132-P3A-D21A-4.5-5.0	4.5 - 5.0 ft	9.3	8.8	JB35480-13	JB35480	04/26/2013	removed	N	Y		< 0.14	UJ	S4
D21A	132-P3A-D21A	13.8	8.1	132-P3A-D21A-4.5-5.0X	4.5 - 5.0 ft	9.3	8.8	JB35480-14	JB35480	04/26/2013	removed	FD	Y		< 0.14	UJ	S4
D21A	132-P3A-D21A	13.8	8.1	132-P3A-D21A-6.5-7.0	6.5 - 7.0 ft	7.3	6.8	JB35480-15	JB35480	04/26/2013	remaining	N	Y		0.76	J	
D21A	132-P3A-D21A	13.8	8.1	132-P3A-D21A-8.5-9.0	8.5 - 9.0 ft	5.3	4.8	JB35480-16	JB35480	04/26/2013	remaining	N	Y		< 0.16	UJ	
D21A	132-P3A-D21A	13.8	8.1	132-P3A-D21A-10.5-11.0	10.5 - 11.0 ft	3.3	2.8	JB35480-17	JB35480	04/26/2013	remaining	N	Y		< 0.20	UJ	
D21A	132-P3A-D21A	13.8	8.1	132-P3A-D21A-12.5-13.0	12.5 - 13.0 ft	1.3	0.8	JB35480-18	JB35480	04/26/2013	remaining	N	Y		< 0.18	UJ	
D21A	132-P3A-D21A	13.8	8.1	132-P3A-D21A-14.5-15.0	14.5 - 15.0 ft	-0.8	-1.3	JB35480-19	JB35480	04/26/2013	remaining	N	Y		< 0.18	UJ	
D21A	132-P3A-D21A	13.8	8.1	132-P3A-D21A-15.5-16.0	15.5 - 16.0 ft	-1.8	-2.3	JB35480-20	JB35480	04/26/2013	remaining	N	Y		< 0.16	UJ	
D21A	132-P3A-D21A	13.8	8.1	132-P3A-D21A-16.0-16.5	16.0 - 16.5 ft	-2.3	-2.8	JB35480-21	JB35480	04/26/2013	remaining	N	Y		< 0.31	UJ	
D22A	132-P3A-D22A	13.5	8.2	132-P3A-D22A-4.5-5.0	4.5 - 5.0 ft	9.0	8.5	JB38150-3	JB38150	05/28/2013	removed	N	Y		0.42	RA	S4
D22A	132-P3A-D22A	13.5	8.2	132-P3A-D22A-4.5-5.0X	4.5 - 5.0 ft	9.0	8.5	JB38150-4	JB38150	05/28/2013	removed	FD	Y		0.21	RA	S4
D22A	132-P3A-D22A	13.5	8.2	132-P3A-D22A-6.5-7.0	6.5 - 7.0 ft	7.0	6.5	JB38150-5	JB38150	05/28/2013	remaining	N	Y		0.17	RA	
D22A	132-P3A-D22A	13.5	8.2	132-P3A-D22A-8.5-9.0	8.5 - 9.0 ft	5.0	4.5	JB38150-6	JB38150	05/28/2013	remaining	N	Y		0.25	RA	
D22A	132-P3A-D22A	13.5	8.2	132-P3A-D22A-10.5-11.0	10.5 - 11.0 ft	3.0	2.5	JB38150-7	JB38150	05/28/2013	remaining	N	Y		0.44	RA	
D22A	132-P3A-D22A	13.5	8.2	132-P3A-D22A-12.5-13.0	12.5 - 13.0 ft	1.0	0.5	JB38150-8	JB38150	05/28/2013	remaining	N	Y		0.16	RA	
D22A	132-P3A-D22A	13.5	8.2	132-P3A-D22A-14.5-15.0	14.5 - 15.0 ft	-1.0	-1.5	JB38150-9R	JB38150R	05/28/2013	remaining	N	Y		< 0.27	RA	

Table 5-1
Cr⁺⁶ Analytical Results for In-Place Soil Compared to Chromium Soil Cleanup Criterion
Site 132, Garfield Avenue Group
PPG, Jersey City, New Jersey

															Analyte CAS RN Units CrSCC	CHROMIUM (HEXAVALENT) 18540-29-9 mg/kg 20		
Grid ID (G1)	Location ID (G2)	Location Elevation (ft NAVD88) (G3, G4, G5)	As-built TEE (ft NAVD88) (G4, G6, G7, G8)	Sample ID (G9)	Depth Interval (ft bgs) (G10)	Sample Start Elevation (ft NAVD88) (G4, G7, G8, G11)	Sample End Elevation (ft NAVD88) (G4, G12)	Lab ID (G13)	Lab SDG (G13)	Date Collected (G14)	Sample Status (G15)	Sample Type (G16)	Validated (Y/N) (G17)	Matrix (G18)	Result (G19, G20)	Qualifier (G21, G22)	Specific Notes	
D22A	132-P3A-D22A	13.5	8.2	132-P3A-D22A-15.2-15.7	15.2 - 15.7 ft	-1.7	-2.2	JB38150-10	JB38150	05/28/2013	remaining	N	Y		0.90	RA		
D22A	132-P3A-D22A	13.5	8.2	132-P3A-D22A-15.7-16.2	15.7 - 16.2 ft	-2.2	-2.7	JB38150-11	JB38150	05/28/2013	remaining	N	Y		1.6	RA		
D23A	132-P3A-D23A	14.0	7.4	132-P3A-D23A-6.5-7.0	6.5 - 7.0 ft	7.5	7.0	JB28307-22R	JB28307R	02/07/2013	remaining	N	Y		< 0.15	UJ		
D23A	132-P3A-D23A	14.0	7.4	132-P3A-D23A-6.5-7.0X	6.5 - 7.0 ft	7.5	7.0	JB28307-21R	JB28307R	02/07/2013	remaining	FD	Y		< 0.15	UJ		
D23A	132-P3A-D23A	14.0	7.4	132-P3A-D23A-8.5-9.0	8.5 - 9.0 ft	5.5	5.0	JB35608-7	JB35608	04/29/2013	remaining	N	Y		< 0.19	UJ		
D23A	132-P3A-D23A	14.0	7.4	132-P3A-D23A-10.5-11.0	10.5 - 11.0 ft	3.5	3.0	JB28307-20	JB28307	02/07/2013	remaining	N	Y		0.29	J		
D23A	132-P3A-D23A	14.0	7.4	132-P3A-D23A-12.5-13.0	12.5 - 13.0 ft	1.5	1.0	JB35608-9R	JB35608R	04/29/2013	remaining	N	Y		0.31	J		
D23A	132-P3A-D23A	14.0	7.4	132-P3A-D23A-14.5-15.0	14.5 - 15.0 ft	-0.5	-1.0	JB28307-19R	JB28307R	02/07/2013	remaining	N	Y		< 0.17	UJ		
D23A	132-P3A-D23A	14.0	7.4	132-P3A-D23A-15.0-15.5	15.0 - 15.5 ft	-1.0	-1.5	JB28307-18	JB28307	02/07/2013	remaining	N	Y		0.22	J		
D23A	132-P3A-D23A	14.0	7.4	132-P3A-D23A-15.5-16.0	15.5 - 16.0 ft	-1.5	-2.0	JB28307-17R	JB28307R	02/07/2013	remaining	N	Y		1.0	J		
D24A	132-P3A-D24A	14.9	9.0	132-P3A-D24A-4.7-5.2	4.7 - 5.2 ft	10.2	9.7	JB32827-25R	JB32827R	03/29/2013	removed	N	Y		< 0.28	RA	S4	
D24A	132-P3A-D24A	14.9	9.0	132-P3A-D24A-4.7-5.2X	4.7 - 5.2 ft	10.2	9.7	JB32827-24R	JB32827R	03/29/2013	removed	FD	Y		< 0.29	RA	S4	
D24A	132-P3A-D24A	14.9	9.0	132-P3A-D24A-6.7-7.2	6.7 - 7.2 ft	8.2	7.7	JB32827-23	JB32827	03/29/2013	remaining	N	Y		0.18	RA		
D24A	132-P3A-D24A	14.9	9.0	132-P3A-D24A-8.7-9.2	8.7 - 9.2 ft	6.2	5.7	JB32827-22R	JB32827R	03/29/2013	remaining	N	Y		0.52	RA		
D24A	132-P3A-D24A	14.9	9.0	132-P3A-D24A-10.7-11.2	10.7 - 11.2 ft	4.2	3.7	JB32827-21R	JB32827R	03/29/2013	remaining	N	Y		0.88	RA		
D24A	132-P3A-D24A	14.9	9.0	132-P3A-D24A-12.7-13.2	12.7 - 13.2 ft	2.2	1.7	JB34502-2	JB34502	04/17/2013	remaining	N	Y		0.25	RA		
D24A	132-P3A-D24A	14.9	9.0	132-P3A-D24A-14.7-15.2	14.7 - 15.2 ft	0.2	-0.3	JB32827-20R	JB32827R	03/29/2013	remaining	N	Y		< 0.39	RA		
D24A	132-P3A-D24A	14.9	9.0	132-P3A-D24A-16.7-17.2	16.7 - 17.2 ft	-1.8	-2.3	JB32827-19	JB32827	03/29/2013	remaining	N	Y		< 0.21	RA		
D24A	132-P3A-D24A	14.9	9.0	132-P3A-D24A-17.2-17.7	17.2 - 17.7 ft	-2.3	-2.8	JB32827-18R	JB32827R	03/29/2013	remaining	N	Y		< 0.26	RA		
D24A	132-P3A-D24A	14.9	9.0	132-P3A-D24A-17.7-18.2	17.7 - 18.2 ft	-2.8	-3.3	JB32827-17	JB32827	03/29/2013	remaining	N	Y		0.70	RA		
D25A	132-P3A-D25A	15.0	12.5	132-P3A-D25A-1.2-1.7	1.2 - 1.7 ft	13.8	13.3	JB59185-2	JB59185	02/04/2014	removed	N	Y		13.9	RA	S10	
D25A	132-P3A-D25A	15.0	12.5	132-P3A-D25A-3.2-3.7	3.2 - 3.7 ft	11.8	11.3	JB59185-11	JB59185	02/04/2014	remaining	N	Y		0.38	RA		
D25A	132-P3A-D25A	15.0	12.5	132-P3A-D25A-5.2-5.7	5.2 - 5.7 ft	9.8	9.3	JB59185-12	JB59185	02/04/2014	remaining	N	Y		1.1	RA		
D25A	132-P3A-D25A	15.0	12.5	132-P3A-D25A-7.2-7.7	7.2 - 7.7 ft	7.8	7.3	JB59185-13	JB59185	02/04/2014	remaining	N	Y		0.49	RA		
D25A	132-P3A-D25A	15.0	12.5	132-P3A-D25A-9.2-9.7	9.2 - 9.7 ft	5.8	5.3	JB59185-14	JB59185	02/04/2014	remaining	N	Y		1.0	RA		
D25A	132-P3A-D25A	15.0	12.5	132-P3A-D25A-9.2-9.7X	9.2 - 9.7 ft	5.8	5.3	JB59185-15T	JB59185T	02/04/2014	remaining	FD	Y		0.44	RA		
D25A	132-P3A-D25A	15.0	12.5	132-P3A-D25A-11.2-11.7	11.2 - 11.7 ft	3.8	3.3	JB59185-16	JB59185	02/04/2014	remaining	N	Y		0.53	RA		
D25A	132-P3A-D25A	15.0	12.5	132-P3A-D25A-13.2-13.7	13.2 - 13.7 ft	1.8	1.3	JB59185-17	JB59185	02/04/2014	remaining	N	Y		0.32	RA		
D25A	132-P3A-D25A	15.0	12.5	132-P3A-D25A-15.2-15.7	15.2 - 15.7 ft	-0.2	-0.7	JB59185-18R	JB59185R	02/04/2014	remaining	N	Y		1.3	RA		
D25A	132-P3A-D25A	15.0	12.5	132-P3A-D25A-17.0-17.5	17.0 - 17.5 ft	-2.0	-2.5	JB59185-19	JB59185	02/04/2014	remaining	N	Y		0.10	RA		
D25A	132-P3A-D25A	15.0	12.5	132-P3A-D25A-17.5-18.0	17.5 - 18.0 ft	-2.5	-3.0	JB59185-20	JB59185	02/04/2014	remaining	N	Y		0.59	RA		
D25A	132-P3A-D25A	15.0	12.5	132-P3A-D25A-18.0-18.5	18.0 - 18.5 ft	-3.0	-3.5	JB59185-21	JB59185	02/04/2014	remaining	N	Y		4.5	RA		
D26A	132-P3A-D26A	15.0	12.6	132-P3A-D26A-1.0-1.5	1.0 - 1.5 ft	14.0	13.5	JB59187-11	JB59187	02/04/2014	removed	N	Y		0.95	J	S10	
D26A	132-P3A-D26A	15.0	12.6	132-P3A-D26A-3.0-3.5	3.0 - 3.5 ft	12.0	11.5	JB59187-12	JB59187	02/04/2014	remaining	N	Y		0.34	J		
D26A	132-P3A-D26A	15.0	12.6	132-P3A-D26A-5.0-5.5	5.0 - 5.5 ft	10.0	9.5	JB59187-13	JB59187	02/04/2014	remaining	N	Y		0.13	J		
D26A	132-P3A-D26A	15.0	12.6	132-P3A-D26A-7.0-7.5	7.0 - 7.5 ft	8.0	7.5	JB59187-14	JB59187	02/04/2014	remaining	N	Y		0.37	J		
D26A	132-P3A-D26A	15.0	12.6	132-P3A-D26A-9.0-9.5	9.0 - 9.5 ft	6.0	5.5	JB59187-15	JB59187	02/04/2014	remaining	N	Y		0.33	J		
D26A	132-P3A-D26A	15.0	12.6	132-P3A-D26A-9.0-9.5X	9.0 - 9.5 ft	6.0	5.5	JB59187-16	JB59187	02/04/2014	remaining	FD	Y		0.29	J		
D26A	132-P3A-D26A	15.0	12.6	132-P3A-D26A-11.0-11.5	11.0 - 11.5 ft	4.0	3.5	JB59187-17	JB59187	02/04/2014	remaining	N	Y		0.86	J		
D26A	132-P3A-D26A	15.0	12.6	132-P3A-D26A-13.0-13.5	13.0 - 13.5 ft	2.0	1.5	JB59187-18	JB59187	02/04/2014	remaining	N	Y		0.78	J		
D26A	132-P3A-D26A	15.0	12.6	132-P3A-D26A-15.0-15.5	15.0 - 15.5 ft	0.0	-0.5	JB59187-19	JB59187	02/04/2014	remaining	N	Y		1.2	J		
D26A	132-P3A-D26A	15.0	12.6	132-P3A-D26A-16.5-17.0	16.5 - 17.0 ft	-1.5	-2.0	JB59187-21	JB59187	02/04/2014	remaining	N	Y		0.29	J		

Table 5-1
Cr⁺⁶ Analytical Results for In-Place Soil Compared to Chromium Soil Cleanup Criterion
Site 132, Garfield Avenue Group
PPG, Jersey City, New Jersey

															Analyte CAS RN Units CrSCC	CHROMIUM (HEXVALENT) 18540-29-9 mg/kg 20	
Grid ID (G1)	Location ID (G2)	Location Elevation (ft NAVD88) (G3, G4, G5)	As-built TEE (ft NAVD88) (G4, G6, G7, G8)	Sample ID (G9)	Depth Interval (ft bgs) (G10)	Sample Start Elevation (ft NAVD88) (G4, G7, G8, G11)	Sample End Elevation (ft NAVD88) (G4, G12)	Lab ID (G13)	Lab SDG (G13)	Date Collected (G14)	Sample Status (G15)	Sample Type (G16)	Validated (Y/N) (G17)	Matrix (G18)	Result (G19, G20)	Qualifier (G21, G22)	Specific Notes
D26A	132-P3A-D26A	15.0	12.6	132-P3A-D26A-17.0-17.5	17.0 - 17.5 ft	-2.0	-2.5	JB59187-22R	JB59187R	02/04/2014	remaining	N	Y		6.3	J	
D27A	132-P3A-D27A	15.2	12.9	132-P3A-D27A-1.0-1.5	1.0 - 1.5 ft	14.2	13.7	JB59185-22R	JB59185R	02/04/2014	removed	N	Y		1.8	RA	S10
D27A	132-P3A-D27A	15.2	12.9	132-P3A-D27A-3.0-3.5	3.0 - 3.5 ft	12.2	11.7	JB59185-23	JB59185	02/04/2014	remaining	N	Y		2.4	RA	
D27A	132-P3A-D27A	15.2	12.9	132-P3A-D27A-5.0-5.5	5.0 - 5.5 ft	10.2	9.7	JB59185-24R	JB59185R	02/04/2014	remaining	N	Y		0.55	RA	
D27A	132-P3A-D27A	15.2	12.9	132-P3A-D27A-7.0-7.5	7.0 - 7.5 ft	8.2	7.7	JB59185-25R	JB59185R	02/04/2014	remaining	N	Y		0.55	RA	
D27A	132-P3A-D27A	15.2	12.9	132-P3A-D27A-9.0-9.5	9.0 - 9.5 ft	6.2	5.7	JB59185-26R	JB59185R	02/04/2014	remaining	N	Y		0.65	RA	
D27A	132-P3A-D27A	15.2	12.9	132-P3A-D27A-11.0-11.5	11.0 - 11.5 ft	4.2	3.7	JB59185-27	JB59185	02/04/2014	remaining	N	Y		0.85	RA	
D27A	132-P3A-D27A	15.2	12.9	132-P3A-D27A-13.0-13.5	13.0 - 13.5 ft	2.2	1.7	JB59185-28	JB59185	02/04/2014	remaining	N	Y		0.10	RA	
D27A	132-P3A-D27A	15.2	12.9	132-P3A-D27A-15.0-15.5	15.0 - 15.5 ft	0.2	-0.3	JB59185-29R	JB59185R	02/04/2014	remaining	N	Y		0.89	RA	
D27A	132-P3A-D27A	15.2	12.9	132-P3A-D27A-17.0-17.5	17.0 - 17.5 ft	-1.8	-2.3	JB59185-30	JB59185	02/04/2014	remaining	N	Y		2.2	RA	
D27A	132-P3A-D27A	15.2	12.9	132-P3A-D27A-17.5-18.0	17.5 - 18.0 ft	-2.3	-2.8	JB59185-31	JB59185	02/04/2014	remaining	N	Y		6.0	RA	
D28A	132-P3A-D28A	15.3	13.0	132-P3A-D28A-1.0-1.5	1.0 - 1.5 ft	14.3	13.8	JB59187-24	JB59187	02/04/2014	removed	N	Y		0.71	J	S10
D28A	132-P3A-D28A	15.3	13.0	132-P3A-D28A-3.0-3.5	3.0 - 3.5 ft	12.3	11.8	JB59187-25R	JB59187R	02/04/2014	remaining	N	Y		0.52	J	
D28A	132-P3A-D28A	15.3	13.0	132-P3A-D28A-5.0-5.5	5.0 - 5.5 ft	10.3	9.8	JB59187-26	JB59187	02/04/2014	remaining	N	Y		0.40	J	
D28A	132-P3A-D28A	15.3	13.0	132-P3A-D28A-7.0-7.5	7.0 - 7.5 ft	8.3	7.8	JB59187-27	JB59187	02/04/2014	remaining	N	Y		0.33	J	
D28A	132-P3A-D28A	15.3	13.0	132-P3A-D28A-9.0-9.5	9.0 - 9.5 ft	6.3	5.8	JB59187-28	JB59187	02/04/2014	remaining	N	Y		0.42	J	
D28A	132-P3A-D28A	15.3	13.0	132-P3A-D28A-11.0-11.5	11.0 - 11.5 ft	4.3	3.8	JB59187-29	JB59187	02/04/2014	remaining	N	Y		0.51	J	
D28A	132-P3A-D28A	15.3	13.0	132-P3A-D28A-13.0-13.5	13.0 - 13.5 ft	2.3	1.8	JB59187-30	JB59187	02/04/2014	remaining	N	Y		0.38	J	
D28A	132-P3A-D28A	15.3	13.0	132-P3A-D28A-15.0-15.5	15.0 - 15.5 ft	0.3	-0.2	JB59187-32R	JB59187R	02/04/2014	remaining	N	Y		1.9	J	
D28A	132-P3A-D28A	15.3	13.0	132-P3A-D28A-15.5-16.0	15.5 - 16.0 ft	-0.2	-0.7	JB59187-31	JB59187	02/04/2014	remaining	N	Y		0.45	J	
D29A	132-P3A-D29A-N	15.1	13.2	132-P3A-D29A-N-3.0-3.5	3.0 - 3.5 ft	12.1	11.6	JB60425-2	JB60425	02/21/2014	remaining	N	Y		0.86	J	
D29A	132-P3A-D29A-N	15.1	13.2	132-P3A-D29A-N-5.0-5.5	5.0 - 5.5 ft	10.1	9.6	JB60425-3R	JB60425R	02/21/2014	remaining	N	Y		0.31	J	
D29A	132-P3A-D29A-N	15.1	13.2	132-P3A-D29A-N-7.0-7.5	7.0 - 7.5 ft	8.1	7.6	JB60425-1R	JB60425R	02/21/2014	remaining	N	Y		0.87	J	
D29A	132-P3A-D29A-N	15.1	13.2	132-P3A-D29A-N-9.0-9.5	9.0 - 9.5 ft	6.1	5.6	JB60425-4R	JB60425R	02/21/2014	remaining	N	Y		0.68	J	
D29A	132-P3A-D29A-N	15.1	13.2	132-P3A-D29A-N-9.0-9.5X	9.0 - 9.5 ft	6.1	5.6	JB60425-5R	JB60425R	02/21/2014	remaining	FD	Y		0.46	J	
D29A	132-P3A-D29A-N	15.1	13.2	132-P3A-D29A-N-11.0-11.5	11.0 - 11.5 ft	4.1	3.6	JB60425-6	JB60425	02/21/2014	remaining	N	Y		0.42	J	
D29A	132-P3A-D29A-N	15.1	13.2	132-P3A-D29A-N-13.0-13.5	13.0 - 13.5 ft	2.1	1.6	JB60307-5R	JB60307R	02/21/2014	remaining	N	Y		1.1	J	
D29A	132-P3A-D29A-N	15.1	13.2	132-P3A-D29A-N-15.0-15.5	15.0 - 15.5 ft	0.1	-0.4	JB60307-6	JB60307	02/21/2014	remaining	N	Y		0.24	J	
D29A	132-P3A-D29A-N	15.1	13.2	132-P3A-D29A-N-17.0-17.5	17.0 - 17.5 ft	-1.9	-2.4	JB60307-7	JB60307	02/21/2014	remaining	N	Y		3.6	J	
D29A	132-P3A-D29A-N	15.1	13.2	132-P3A-D29A-N-17.5-18.0	17.5 - 18.0 ft	-2.4	-2.9	JB60307-8	JB60307	02/21/2014	remaining	N	Y		0.95	J	
D30A	132-P3A-D29A-S	15.3	13.8	132-P3A-D29A-S-3.0-3.5	3.0 - 3.5 ft	12.3	11.8	JB60307-10	JB60307	02/21/2014	remaining	N	Y		< 0.095	UJ	
D30A	132-P3A-D29A-S	15.3	13.8	132-P3A-D29A-S-5.0-5.5	5.0 - 5.5 ft	10.3	9.8	JB60307-3	JB60307	02/21/2014	remaining	N	Y		0.21	J	
D30A	132-P3A-D29A-S	15.3	13.8	132-P3A-D29A-S-7.0-7.5	7.0 - 7.5 ft	8.3	7.8	JB60307-4	JB60307	02/21/2014	remaining	N	Y		0.47	J	
D30A	132-P3A-D29A-S	15.3	13.8	132-P3A-D29A-S-9.0-9.5	9.0 - 9.5 ft	6.3	5.8	JB60307-11	JB60307	02/21/2014	remaining	N	Y		0.28	J	
D30A	132-P3A-D29A-S	15.3	13.8	132-P3A-D29A-S-11.0-11.5	11.0 - 11.5 ft	4.3	3.8	JB60307-12	JB60307	02/21/2014	remaining	N	Y		0.32	J	
D30A	132-P3A-D29A-S	15.3	13.8	132-P3A-D29A-S-13.0-13.5	13.0 - 13.5 ft	2.3	1.8	JB60307-13	JB60307	02/21/2014	remaining	N	Y		0.42	J	
D30A	132-P3A-D29A-S	15.3	13.8	132-P3A-D29A-S-14.5-15.0	14.5 - 15.0 ft	0.8	0.3	JB60307-16R	JB60307R	02/21/2014	remaining	N	Y		0.66	RA	
D30A	132-P3A-D29A-S	15.3	13.8	132-P3A-D29A-S-15.0-15.5	15.0 - 15.5 ft	0.3	-0.2	JB60307-1	JB60307	02/21/2014	remaining	N	Y		< 0.20	UJ	
D30A	132-P3A-D29A-S	15.3	13.8	132-P3A-D29A-S-15.5-16.0	15.5 - 16.0 ft	-0.2	-0.7	JB60307-2TU	JB60307TU	02/21/2014	remaining	N	Y		2.5	J	
D30A	132-P3A-D30A	15.2	13.8	132-P3A-D30A-1.0-1.5	1.0 - 1.5 ft	14.2	13.7	JB60016-1	JB60016	02/18/2014	remaining	N	Y		1.9	J	
D30A	132-P3A-D30A	15.2	13.8	132-P3A-D30A-3.0-3.5	3.0 - 3.5 ft	12.2	11.7	JB60016-2	JB60016	02/18/2014	remaining	N	Y		0.57	J	
D30A	132-P3A-D30A	15.2	13.8	132-P3A-D30A-5.0-5.5	5.0 - 5.5 ft	10.2	9.7	JB60016-3R	JB60016R	02/18/2014	remaining	N	Y		1.1	J	

Table 5-1
Cr⁺⁶ Analytical Results for In-Place Soil Compared to Chromium Soil Cleanup Criterion
Site 132, Garfield Avenue Group
PPG, Jersey City, New Jersey

															Analyte CAS RN Units CrSCC	CHROMIUM (HEXAVALENT) 18540-29-9 mg/kg 20	
Grid ID (G1)	Location ID (G2)	Location Elevation (ft NAVD88) (G3, G4, G5)	As-built TEE (ft NAVD88) (G4, G6, G7, G8)	Sample ID (G9)	Depth Interval (ft bgs) (G10)	Sample Start Elevation (ft NAVD88) (G4, G7, G8, G11)	Sample End Elevation (ft NAVD88) (G4, G12)	Lab ID (G13)	Lab SDG (G13)	Date Collected (G14)	Sample Status (G15)	Sample Type (G16)	Validated (Y/N) (G17)	Matrix (G18)	Result (G19, G20)	Qualifier (G21, G22)	Specific Notes
D30A	132-P3A-D30A	15.2	13.8	132-P3A-D30A-7.0-7.5	7.0 - 7.5 ft	8.2	7.7	JB60016-4R	JB60016R	02/18/2014	remaining	N	Y		0.30	J	
D30A	132-P3A-D30A	15.2	13.8	132-P3A-D30A-9.0-9.5	9.0 - 9.5 ft	6.2	5.7	JB60016-5	JB60016	02/18/2014	remaining	N	Y		< 0.095	UJ	
D30A	132-P3A-D30A	15.2	13.8	132-P3A-D30A-11.0-11.5	11.0 - 11.5 ft	4.2	3.7	JB60016-6	JB60016	02/18/2014	remaining	N	Y		0.23	J	
D30A	132-P3A-D30A	15.2	13.8	132-P3A-D30A-13.0-13.5	13.0 - 13.5 ft	2.2	1.7	JB60016-7R	JB60016R	02/18/2014	remaining	N	Y		0.32	J	
D30A	132-P3A-D30A	15.2	13.8	132-P3A-D30A-15.0-15.5	15.0 - 15.5 ft	0.2	-0.3	JB60016-8	JB60016	02/18/2014	remaining	N	Y		0.29	J	
D30A	132-P3A-D30A	15.2	13.8	132-P3A-D30A-15.5-16.0	15.5 - 16.0 ft	-0.3	-0.8	JB60016-9R	JB60016R	02/18/2014	remaining	N	Y		1.1	J	
E20A	143-P3A-E20A	13.3	4.8	143-P3A-E20A-8.5-9.0	8.5 - 9.0 ft	4.8	4.3	JB32034-5R	JB32034R	03/21/2013	remaining	N	Y		6.8	J	S2
E20A	143-P3A-E20A	13.3	4.8	143-P3A-E20A-10.5-11.0	10.5 - 11.0 ft	2.8	2.3	JB32201-10	JB32201	03/22/2013	remaining	N	Y		0.28	RA	S2
E20A	143-P3A-E20A	13.3	4.8	143-P3A-E20A-12.5-13.0	12.5 - 13.0 ft	0.8	0.3	JB32034-4R	JB32034R	03/21/2013	remaining	N	Y		< 0.19	UJ	S2
E20A	143-P3A-E20A	13.3	4.8	143-P3A-E20A-13.8-14.3	13.8 - 14.3 ft	-0.6	-1.1	JB32034-3R	JB32034R	03/21/2013	remaining	N	Y		< 0.18	UJ	S2
E20A	143-P3A-E20A	13.3	4.8	143-P3A-E20A-14.3-14.8	14.3 - 14.8 ft	-1.1	-1.6	JB32034-2R	JB32034R	03/21/2013	remaining	N	Y		0.36	J	S2
E21A	132-P3A-E21A	14.0	8.6	132-P3A-E21A-4.5-5.0	4.5 - 5.0 ft	9.4	8.9	JB35055-12	JB35055	04/23/2013	removed	N	Y		0.84	J	S4
E21A	132-P3A-E21A	14.0	8.6	132-P3A-E21A-6.5-7.0	6.5 - 7.0 ft	7.4	6.9	JB35055-13R	JB35055R	04/23/2013	remaining	N	Y		1.3	J	
E21A	132-P3A-E21A	14.0	8.6	132-P3A-E21A-8.5-9.0	8.5 - 9.0 ft	5.4	4.9	JB35055-14R	JB35055R	04/23/2013	remaining	N	Y		0.91	J	
E21A	132-P3A-E21A	14.0	8.6	132-P3A-E21A-10.5-11.0	10.5 - 11.0 ft	3.4	2.9	JB35055-15R	JB35055R	04/23/2013	remaining	N	Y		0.80	J	
E21A	132-P3A-E21A	14.0	8.6	132-P3A-E21A-12.5-13.0	12.5 - 13.0 ft	1.4	0.9	JB35055-16R	JB35055R	04/23/2013	remaining	N	Y		< 0.15	UJ	
E21A	132-P3A-E21A	14.0	8.6	132-P3A-E21A-14.5-15.0	14.5 - 15.0 ft	-0.6	-1.1	JB35055-17R	JB35055R	04/23/2013	remaining	N	Y		< 0.17	UJ	
E21A	132-P3A-E21A	14.0	8.6	132-P3A-E21A-15.5-16.0	15.5 - 16.0 ft	-1.6	-2.1	JB35055-18R	JB35055R	04/23/2013	remaining	N	Y		1.1	J	
E21A	132-P3A-E21A	14.0	8.6	132-P3A-E21A-16.0-16.5	16.0 - 16.5 ft	-2.1	-2.6	JB35055-19	JB35055	04/23/2013	remaining	N	Y		1.9	J	
E22A	132-P3A-E22A	14.1	8.9	132-P3A-E22A-4.5-5.0	4.5 - 5.0 ft	9.6	9.1	JB38148-3R	JB38148R	05/28/2013	removed	N	Y		0.23	J	S4
E22A	132-P3A-E22A	14.1	8.9	132-P3A-E22A-6.5-7.0	6.5 - 7.0 ft	7.6	7.1	JB38148-4R	JB38148R	05/28/2013	remaining	N	Y		0.38	J	S12
E22A	132-P3A-E22A	14.1	8.9	132-P3A-E22A-8.5-9.0	8.5 - 9.0 ft	5.6	5.1	JB38148-5R	JB38148R	05/28/2013	remaining	N	Y		0.091	J	
E22A	132-P3A-E22A	14.1	8.9	132-P3A-E22A-10.5-11.0	10.5 - 11.0 ft	3.6	3.1	JB38148-6	JB38148	05/28/2013	remaining	N	Y		< 0.090	UJ	
E22A	132-P3A-E22A	14.1	8.9	132-P3A-E22A-12.5-13.0	12.5 - 13.0 ft	1.6	1.1	JB38148-7R	JB38148R	05/28/2013	remaining	N	Y		0.29	J	
E22A	132-P3A-E22A	14.1	8.9	132-P3A-E22A-14.5-15.0	14.5 - 15.0 ft	-0.4	-0.9	JB38148-8	JB38148	05/28/2013	remaining	N	Y		0.19	J	
E22A	132-P3A-E22A	14.1	8.9	132-P3A-E22A-16.2-16.7	16.2 - 16.7 ft	-2.1	-2.6	JB38148-9R	JB38148R	05/28/2013	remaining	N	Y		0.092	J	
E22A	132-P3A-E22A	14.1	8.9	132-P3A-E22A-16.7-17.2	16.7 - 17.2 ft	-2.6	-3.1	JB38148-10R	JB38148R	05/28/2013	remaining	N	Y		0.36	J	
E23A	132-P3A-E23A	14.1	9.0	132-P3A-E23A-4.5-5.0	4.5 - 5.0 ft	9.6	9.1	JB28159-9R	JB28159R	02/06/2013	removed	N	Y		< 0.25	RA	S4
E23A	132-P3A-E23A	14.1	9.0	132-P3A-E23A-6.5-7.0	6.5 - 7.0 ft	7.6	7.1	JB28159-8	JB28159	02/06/2013	remaining	N	Y		< 0.18	RA	
E23A	132-P3A-E23A	14.1	9.0	132-P3A-E23A-8.5-9.0	8.5 - 9.0 ft	5.6	5.1	JB28159-7	JB28159	02/06/2013	remaining	N	Y		< 0.16	RA	
E23A	132-P3A-E23A	14.1	9.0	132-P3A-E23A-10.5-11.0	10.5 - 11.0 ft	3.6	3.1	JB28159-6	JB28159	02/06/2013	remaining	N	Y		< 0.15	RA	
E23A	132-P3A-E23A	14.1	9.0	132-P3A-E23A-12.0-12.5	12.0 - 12.5 ft	2.1	1.6	JB28159-5R	JB28159R	02/06/2013	remaining	N	Y		< 0.33	RA	
E23A	132-P3A-E23A	14.1	9.0	132-P3A-E23A-14.5-15.0	14.5 - 15.0 ft	-0.4	-0.9	JB28159-4	JB28159	02/06/2013	remaining	N	Y		0.50	RA	
E23A	132-P3A-E23A	14.1	9.0	132-P3A-E23A-16.0-16.5	16.0 - 16.5 ft	-1.9	-2.4	JB28159-3R	JB28159R	02/06/2013	remaining	N	Y		< 0.33	RA	
E23A	132-P3A-E23A	14.1	9.0	132-P3A-E23A-16.5-17.0	16.5 - 17.0 ft	-2.4	-2.9	JB28159-2	JB28159	02/06/2013	remaining	N	Y		1.3	RA	
E24A	132-P3A-E24A	14.7	8.6	132-P3A-E24A-4.7-5.2	4.7 - 5.2 ft	10.0	9.5	JB32697-7	JB32697	03/28/2013	removed	N	Y		< 0.15	U	S4
E24A	132-P3A-E24A	14.7	8.6	132-P3A-E24A-6.7-7.2	6.7 - 7.2 ft	8.0	7.5	JB32697-9	JB32697	03/28/2013	remaining	N	Y		0.76		
E24A	132-P3A-E24A	14.7	8.6	132-P3A-E24A-8.7-9.2	8.7 - 9.2 ft	6.0	5.5	JB32697-8	JB32697	03/28/2013	remaining	N	Y		< 0.14	U	
E24A	132-P3A-E24A	14.7	8.6	132-P3A-E24A-10.7-11.2	10.7 - 11.2 ft	4.0	3.5	JB32697-6	JB32697	03/28/2013	remaining	N	Y		2.8		
E24A	132-P3A-E24A	14.7	8.6	132-P3A-E24A-12.7-13.2	12.7 - 13.2 ft	2.0	1.5	JB32697-5	JB32697	03/28/2013	remaining	N	Y		4.1		
E24A	132-P3A-E24A	14.7	8.6	132-P3A-E24A-14.7-15.2	14.7 - 15.2 ft	0.0	-0.5	JB34502-3	JB34502	04/17/2013	remaining	N	Y		< 0.21	RA	
E24A	132-P3A-E24A	14.7	8.6	132-P3A-E24A-16.7-17.2	16.7 - 17.2 ft	-2.0	-2.5	JB32697-4	JB32697	03/28/2013	remaining	N	Y		0.15	J	

Table 5-1
Cr⁺⁶ Analytical Results for In-Place Soil Compared to Chromium Soil Cleanup Criterion
Site 132, Garfield Avenue Group
PPG, Jersey City, New Jersey

															Analyte CAS RN Units CrSCC	CHROMIUM (HEXAVALENT) 18540-29-9 mg/kg 20	
Grid ID (G1)	Location ID (G2)	Location Elevation (ft NAVD88) (G3, G4, G5)	As-built TEE (ft NAVD88) (G4, G6, G7, G8)	Sample ID (G9)	Depth Interval (ft bgs) (G10)	Sample Start Elevation (ft NAVD88) (G4, G7, G8, G11)	Sample End Elevation (ft NAVD88) (G4, G12)	Lab ID (G13)	Lab SDG (G13)	Date Collected (G14)	Sample Status (G15)	Sample Type (G16)	Validated (Y/N) (G17)	Matrix (G18)	Result (G19, G20)	Qualifier (G21, G22)	Specific Notes
E24A	132-P3A-E24A	14.7	8.6	132-P3A-E24A-17.3-17.8	17.3 - 17.8 ft	-2.6	-3.1	JB32697-3	JB32697	03/28/2013	remaining	N	Y		< 0.14	U	
E24A	132-P3A-E24A	14.7	8.6	132-P3A-E24A-17.8-18.3	17.8 - 18.3 ft	-3.1	-3.6	JB32697-2	JB32697	03/28/2013	remaining	N	Y		2.3	J	
E25A	132-P3A-E25A	14.9	12.1	132-P3A-E25A-1.0-1.5	1.0 - 1.5 ft	13.9	13.4	JB59521-2	JB59521	02/10/2014	removed	N	Y		0.55	J	S10
E25A	132-P3A-E25A	14.9	12.1	132-P3A-E25A-3.0-3.5	3.0 - 3.5 ft	11.9	11.4	JB59521-8	JB59521	02/10/2014	remaining	N	Y		0.77	J	
E25A	132-P3A-E25A	14.9	12.1	132-P3A-E25A-5.0-5.5	5.0 - 5.5 ft	9.9	9.4	JB59521-9R	JB59521R	02/10/2014	remaining	N	Y		0.38	J	
E25A	132-P3A-E25A	14.9	12.1	132-P3A-E25A-7.0-7.5	7.0 - 7.5 ft	7.9	7.4	JB59521-10	JB59521	02/10/2014	remaining	N	Y		0.38	J	
E25A	132-P3A-E25A	14.9	12.1	132-P3A-E25A-9.0-9.5	9.0 - 9.5 ft	5.9	5.4	JB59521-11	JB59521	02/10/2014	remaining	N	Y		1.3	J	
E25A	132-P3A-E25A	14.9	12.1	132-P3A-E25A-11.0-11.5	11.0 - 11.5 ft	3.9	3.4	JB59521-3R	JB59521R	02/10/2014	remaining	N	Y		0.26	J	
E25A	132-P3A-E25A	14.9	12.1	132-P3A-E25A-13.0-13.5	13.0 - 13.5 ft	1.9	1.4	JB59521-5	JB59521	02/10/2014	remaining	N	Y		1.2	J	
E25A	132-P3A-E25A	14.9	12.1	132-P3A-E25A-15.0-15.5	15.0 - 15.5 ft	-0.1	-0.6	JB59521-4	JB59521	02/10/2014	remaining	N	Y		0.29	J	
E25A	132-P3A-E25A	14.9	12.1	132-P3A-E25A-16.0-16.5	16.0 - 16.5 ft	-1.1	-1.6	JB59521-6	JB59521	02/10/2014	remaining	N	Y		0.26	J	
E25A	132-P3A-E25A	14.9	12.1	132-P3A-E25A-16.5-17.0	16.5 - 17.0 ft	-1.6	-2.1	JB59521-7	JB59521	02/10/2014	remaining	N	Y		1.6	J	
E26A	132-B4	13.4	12.4	132B4A_0.7-1.1_804678	0.7 - 1.1 ft	12.7	12.3	804678	C547	02/01/2007	remaining	N	Y		< 2.31	UJ	
E26A	132-B4	13.4	12.4	132B4B_1.9-2.4_804679	1.9 - 2.4 ft	11.5	11.0	804679	C547	02/01/2007	remaining	N	Y		< 2.57	UJ	
E26A	132-B4	13.4	12.4	132B4C_5.1-5.5_804680	5.1 - 5.5 ft	8.3	7.9	804680	C547	02/01/2007	remaining	N	Y		< 2.41	UJ	
E26A	132-B4	13.4	12.4	132B4D_8.4-8.8_804681	8.4 - 8.8 ft	5.0	4.6	804681	C547	02/01/2007	remaining	N	Y		< 2.39	UJ	
E26A	132-B4	13.4	12.4	132B4E_12.8-13.4_804682	12.8 - 13.4 ft	0.6	0.0	804682	C547	02/01/2007	remaining	N	Y		< 3.16	UJ	
E26A	132-B4	13.4	12.4	132B4F_16.7-17.2_804683	16.7 - 17.2 ft	-3.3	-3.8	804683	C547	02/01/2007	remaining	N	Y		< 2.31	UJ	
E26A	132-B4	13.4	12.4	132B4G_17.5-18.0_804684	17.5 - 18.0 ft	-4.1	-4.6	804684	C547	02/01/2007	remaining	N	Y		< 5.6	UJ	
E26A	132-B4	13.4	12.4	132B4H_19.2-19.7_804685	19.2 - 19.7 ft	-5.8	-6.3	804685	C547	02/01/2007	remaining	N	Y		< 16.26	UJ	
E26A	132-B4	13.4	12.4	132B4I_20.4-20.9_804687	20.4 - 20.9 ft	-7.0	-7.5	804687	C547	02/01/2007	remaining	N	Y		< 2.4	UJ	
E26A	132-P3A-E26A	15.0	12.4	132-P3A-E26A-3.0-3.5	3.0 - 3.5 ft	12.0	11.5	JB59315-2	JB59315	02/06/2014	remaining	N	Y		0.38	J	
E26A	132-P3A-E26A	15.0	12.4	132-P3A-E26A-5.0-5.5	5.0 - 5.5 ft	10.0	9.5	JB59315-3R	JB59315R	02/06/2014	remaining	N	Y		0.85	J	
E26A	132-P3A-E26A	15.0	12.4	132-P3A-E26A-7.0-7.5	7.0 - 7.5 ft	8.0	7.5	JB59315-4	JB59315	02/06/2014	remaining	N	Y		0.53	J	
E26A	132-P3A-E26A	15.0	12.4	132-P3A-E26A-9.0-9.5	9.0 - 9.5 ft	6.0	5.5	JB59315-6	JB59315	02/06/2014	remaining	N	Y		1.3	J	
E26A	132-P3A-E26A	15.0	12.4	132-P3A-E26A-11.0-11.5	11.0 - 11.5 ft	4.0	3.5	JB59315-7	JB59315	02/06/2014	remaining	N	Y		0.68	J	
E26A	132-P3A-E26A	15.0	12.4	132-P3A-E26A-13.0-13.5	13.0 - 13.5 ft	2.0	1.5	JB59315-5	JB59315	02/06/2014	remaining	N	Y		4.3	J	
E26A	132-P3A-E26A	15.0	12.4	132-P3A-E26A-15.0-15.5	15.0 - 15.5 ft	0.0	-0.5	JB59315-8	JB59315	02/06/2014	remaining	N	Y		0.55	J	
E26A	132-P3A-E26A	15.0	12.4	132-P3A-E26A-17.0-17.5	17.0 - 17.5 ft	-2.0	-2.5	JB59315-9	JB59315	02/06/2014	remaining	N	Y		0.27	J	
E26A	132-P3A-E26A	15.0	12.4	132-P3A-E26A-17.5-18.0	17.5 - 18.0 ft	-2.5	-3.0	JB59315-10	JB59315	02/06/2014	remaining	N	Y		0.65	J	
E26A	132-P3A-E26A	15.0	12.4	132-P3A-E26A-18.0-18.5	18.0 - 18.5 ft	-3.0	-3.5	JB59315-11	JB59315	02/06/2014	remaining	N	Y		0.41	J	
E27A	132-P3A-E27A	15.2	12.9	132-P3A-E27A-1.0-1.5	1.0 - 1.5 ft	14.2	13.7	JB59412-24R	JB59412R	02/07/2014	removed	N	Y		2.9	RA	S10
E27A	132-P3A-E27A	15.2	12.9	132-P3A-E27A-3.0-3.5	3.0 - 3.5 ft	12.2	11.7	JB59412-26R	JB59412R	02/07/2014	remaining	N	Y		1.0	RA	
E27A	132-P3A-E27A	15.2	12.9	132-P3A-E27A-5.0-5.5	5.0 - 5.5 ft	10.2	9.7	JB59412-25R	JB59412R	02/07/2014	remaining	N	Y		0.53	RA	
E27A	132-P3A-E27A	15.2	12.9	132-P3A-E27A-5.0-5.5X	5.0 - 5.5 ft	10.2	9.7	JB59412-27R	JB59412R	02/07/2014	remaining	FD	Y		0.62	RA	
E27A	132-P3A-E27A	15.2	12.9	132-P3A-E27A-7.0-7.5	7.0 - 7.5 ft	8.2	7.7	JB59412-28R	JB59412R	02/07/2014	remaining	N	Y		0.50	RA	
E27A	132-P3A-E27A	15.2	12.9	132-P3A-E27A-9.0-9.5	9.0 - 9.5 ft	6.2	5.7	JB59412-29R	JB59412R	02/07/2014	remaining	N	Y		0.68	RA	
E27A	132-P3A-E27A	15.2	12.9	132-P3A-E27A-11.0-11.5	11.0 - 11.5 ft	4.2	3.7	JB59412-30R	JB59412R	02/07/2014	remaining	N	Y		0.87	RA	
E27A	132-P3A-E27A	15.2	12.9	132-P3A-E27A-13.0-13.5	13.0 - 13.5 ft	2.2	1.7	JB59412-31R	JB59412R	02/07/2014	remaining	N	Y		0.52	RA	
E27A	132-P3A-E27A	15.2	12.9	132-P3A-E27A-15.0-15.5	15.0 - 15.5 ft	0.2	-0.3	JB59412-32	JB59412	02/07/2014	remaining	N	Y		0.44	RA	
E27A	132-P3A-E27A	15.2	12.9	132-P3A-E27A-17.0-17.5	17.0 - 17.5 ft	-1.8	-2.3	JB59412-33R	JB59412R	02/07/2014	remaining	N	Y		< 0.063	RA	
E27A	132-P3A-E27A	15.2	12.9	132-P3A-E27A-17.5-18.0	17.5 - 18.0 ft	-2.3	-2.8	JB59412-34	JB59412	02/07/2014	remaining	N	Y		2.9	RA	

Cr⁺⁶ Analytical Results for In-Place Soil Compared to Chromium Soil Cleanup Criterion
Site 132, Garfield Avenue Group
PPG, Jersey City, New Jersey

															Analyte CAS RN Units CrSCC	CHROMIUM (HEXVALENT) 18540-29-9 mg/kg 20		
Grid ID (G1)	Location ID (G2)	Location Elevation (ft NAVD88) (G3, G4, G5)	As-built TEE (ft NAVD88) (G4, G6, G7, G8)	Sample ID (G9)	Depth Interval (ft bgs) (G10)	Sample Start Elevation (ft NAVD88) (G4, G7, G8, G11)	Sample End Elevation (ft NAVD88) (G4, G12)	Lab ID (G13)	Lab SDG (G13)	Date Collected (G14)	Sample Status (G15)	Sample Type (G16)	Validated (Y/N) (G17)	Matrix (G18)	Result (G19, G20)	Qualifier (G21, G22)	Specific Notes	
E28A	132-P3A-E28A	15.1	12.8	132-P3A-E28A-1.2-1.7	1.2 - 1.7 ft	13.9	13.4	JB59315-12R	JB59315R	02/06/2014	removed	N	Y		1.3	J	S10	
E28A	132-P3A-E28A	15.1	12.8	132-P3A-E28A-3.2-3.7	3.2 - 3.7 ft	11.9	11.4	JB59315-13R	JB59315R	02/06/2014	remaining	N	Y		3.9	J		
E28A	132-P3A-E28A	15.1	12.8	132-P3A-E28A-5.2-5.7	5.2 - 5.7 ft	9.9	9.4	JB59315-14R	JB59315R	02/06/2014	remaining	N	Y		0.81	J		
E28A	132-P3A-E28A	15.1	12.8	132-P3A-E28A-7.2-7.7	7.2 - 7.7 ft	7.9	7.4	JB59315-15	JB59315	02/06/2014	remaining	N	Y		0.37	J		
E28A	132-P3A-E28A	15.1	12.8	132-P3A-E28A-9.2-9.7	9.2 - 9.7 ft	5.9	5.4	JB59315-16	JB59315	02/06/2014	remaining	N	Y		0.27	J		
E28A	132-P3A-E28A	15.1	12.8	132-P3A-E28A-11.2-11.7	11.2 - 11.7 ft	3.9	3.4	JB59315-17	JB59315	02/06/2014	remaining	N	Y		0.47	J		
E28A	132-P3A-E28A	15.1	12.8	132-P3A-E28A-13.2-13.7	13.2 - 13.7 ft	1.9	1.4	JB59315-18	JB59315	02/06/2014	remaining	N	Y		1.0	J		
E28A	132-P3A-E28A	15.1	12.8	132-P3A-E28A-15.2-15.7	15.2 - 15.7 ft	-0.1	-0.6	JB59315-19	JB59315	02/06/2014	remaining	N	Y		3.0	J		
E28A	132-P3A-E28A	15.1	12.8	132-P3A-E28A-17.0-17.5	17.0 - 17.5 ft	-1.9	-2.4	JB59315-20R	JB59315R	02/06/2014	remaining	N	Y		4.8	J		
E28A	132-P3A-E28A	15.1	12.8	132-P3A-E28A-17.5-18.0	17.5 - 18.0 ft	-2.4	-2.9	JB59315-21	JB59315	02/06/2014	remaining	N	Y		1.9	J		
E29A	132-P3A-E29A	15.0	13.1	132-P3A-E29A-1.0-1.5	1.0 - 1.5 ft	14.0	13.5	JB59614-1R	JB59614R	02/11/2014	removed	N	Y		0.44	J	S10	
E29A	132-P3A-E29A	15.0	13.1	132-P3A-E29A-3.0-3.5	3.0 - 3.5 ft	12.0	11.5	JB59614-4R	JB59614R	02/11/2014	remaining	N	Y		0.41	J		
E29A	132-P3A-E29A	15.0	13.1	132-P3A-E29A-5.0-5.5	5.0 - 5.5 ft	10.0	9.5	JB59614-2	JB59614	02/11/2014	remaining	N	Y		1.4	J		
E29A	132-P3A-E29A	15.0	13.1	132-P3A-E29A-7.0-7.5	7.0 - 7.5 ft	8.0	7.5	JB59614-3	JB59614	02/11/2014	remaining	N	Y		1.3	J		
E29A	132-P3A-E29A	15.0	13.1	132-P3A-E29A-9.0-9.5	9.0 - 9.5 ft	6.0	5.5	JB59614-5R	JB59614R	02/11/2014	remaining	N	Y		0.34	J		
E29A	132-P3A-E29A	15.0	13.1	132-P3A-E29A-11.0-11.5	11.0 - 11.5 ft	4.0	3.5	JB59614-6R	JB59614R	02/11/2014	remaining	N	Y		0.19	J		
E29A	132-P3A-E29A	15.0	13.1	132-P3A-E29A-13.0-13.5	13.0 - 13.5 ft	2.0	1.5	JB59614-7	JB59614	02/11/2014	remaining	N	Y		0.18	J		
E29A	132-P3A-E29A	15.0	13.1	132-P3A-E29A-15.0-15.5	15.0 - 15.5 ft	0.0	-0.5	JB59614-8R	JB59614R	02/11/2014	remaining	N	Y		0.43	J		
E29A	132-P3A-E29A	15.0	13.1	132-P3A-E29A-17.0-17.5	17.0 - 17.5 ft	-2.0	-2.5	JB59614-9	JB59614	02/11/2014	remaining	N	Y		0.27	J		
E29A	132-P3A-E29A	15.0	13.1	132-P3A-E29A-17.5-18.0	17.5 - 18.0 ft	-2.5	-3.0	JB59614-10	JB59614	02/11/2014	remaining	N	Y		2.2	J		
E30A	132-P3A-E30A	15.4	13.5	132-P3A-E30A-1.0-1.5	1.0 - 1.5 ft	14.4	13.9	JB60016-12R	JB60016R	02/18/2014	removed	N	Y		6.2	J	S10	
E30A	132-P3A-E30A	15.4	13.5	132-P3A-E30A-3.0-3.5	3.0 - 3.5 ft	12.4	11.9	JB60016-16	JB60016	02/18/2014	remaining	N	Y		2.7	J		
E30A	132-P3A-E30A	15.4	13.5	132-P3A-E30A-5.0-5.5	5.0 - 5.5 ft	10.4	9.9	JB60016-17	JB60016	02/18/2014	remaining	N	Y		0.15	J		
E30A	132-P3A-E30A	15.4	13.5	132-P3A-E30A-7.0-7.5	7.0 - 7.5 ft	8.4	7.9	JB60016-14	JB60016	02/18/2014	remaining	N	Y		< 0.092	UJ		
E30A	132-P3A-E30A	15.4	13.5	132-P3A-E30A-7.0-7.5X	7.0 - 7.5 ft	8.4	7.9	JB60016-15	JB60016	02/18/2014	remaining	FD	Y		< 0.095	UJ		
E30A	132-P3A-E30A	15.4	13.5	132-P3A-E30A-9.0-9.5	9.0 - 9.5 ft	6.4	5.9	JB60016-18R	JB60016R	02/18/2014	remaining	N	Y		< 0.15	UJ		
E30A	132-P3A-E30A	15.4	13.5	132-P3A-E30A-11.0-11.5	11.0 - 11.5 ft	4.4	3.9	JB60016-19	JB60016	02/18/2014	remaining	N	Y		0.10	J		
E30A	132-P3A-E30A	15.4	13.5	132-P3A-E30A-13.0-13.5	13.0 - 13.5 ft	2.4	1.9	JB60016-20	JB60016	02/18/2014	remaining	N	Y		0.23	J		
E30A	132-P3A-E30A	15.4	13.5	132-P3A-E30A-15.0-15.5	15.0 - 15.5 ft	0.4	-0.1	JB60016-21	JB60016	02/18/2014	remaining	N	Y		0.38	J		
E30A	132-P3A-E30A	15.4	13.5	132-P3A-E30A-17.0-17.5	17.0 - 17.5 ft	-1.6	-2.1	JB60016-22R	JB60016R	02/18/2014	remaining	N	Y		0.28	J		
E30A	132-P3A-E30A	15.4	13.5	132-P3A-E30A-17.5-18.0	17.5 - 18.0 ft	-2.1	-2.6	JB60016-13R	JB60016R	02/18/2014	remaining	N	Y		2.0	J		
F15A	143-P3A-F15A	12.8	7.8	143-P3A-F15A-5.0-5.5	5.0 - 5.5 ft	7.8	7.3	JB34017-4	JB34017	04/11/2013	remaining	N	Y		< 0.14	UJ	S13	
F15A	143-P3A-F15A	12.8	7.8	143-P3A-F15A-7.0-7.5	7.0 - 7.5 ft	5.8	5.3	JB34017-5	JB34017	04/11/2013	remaining	N	Y		< 0.18	UJ		
F15A	143-P3A-F15A	12.8	7.8	143-P3A-F15A-7.0-7.5X	7.0 - 7.5 ft	5.8	5.3	JB34017-7	JB34017	04/11/2013	remaining	FD	Y		< 0.16	UJ		
F15A	143-P3A-F15A	12.8	7.8	143-P3A-F15A-9.0-9.5	9.0 - 9.5 ft	3.8	3.3	JB34017-6	JB34017	04/11/2013	remaining	N	Y		0.47	J	S13	
F15A	143-P3A-F15A	12.8	7.8	143-P3A-F15A-11.0-11.5	11.0 - 11.5 ft	1.8	1.3	JB34017-8	JB34017	04/11/2013	remaining	N	Y		< 0.34	UJ		
F15A	143-P3A-F15A	12.8	7.8	143-P3A-F15A-11.5-12.0	11.5 - 12.0 ft	1.3	0.8	JB34017-9R	JB34017R	04/11/2013	remaining	N	Y		0.24	J		
F16A	143-P3A-F16A	12.6	7.6	143-P3A-F16A-5.0-5.5	5.0 - 5.5 ft	7.6	7.1	JB37963-18R	JB37963R	05/24/2013	remaining	N	Y		0.50	RA	S2	
F16A	143-P3A-F16A	12.6	7.6	143-P3A-F16A-6.7-7.2	6.7 - 7.2 ft	5.9	5.4	JB37963-1	JB37963	05/24/2013	remaining	N	Y		0.16	RA		
F16A	143-P3A-F16A	12.6	7.6	143-P3A-F16A-8.7-9.2	8.7 - 9.2 ft	3.9	3.4	JB37963-2	JB37963	05/24/2013	remaining	N	Y		0.18	RA		
F16A	143-P3A-F16A	12.6	7.6	143-P3A-F16A-10.7-11.2	10.7 - 11.2 ft	1.9	1.4	JB37963-3	JB37963	05/24/2013	remaining	N	Y		0.15	RA	S2	
F16A	143-P3A-F16A	12.6	7.6	143-P3A-F16A-12.7-13.2	12.7 - 13.2 ft	-0.1	-0.6	JB37963-4	JB37963	05/24/2013	remaining	N	Y		0.12	RA		

Table 5-1
Cr⁺⁶ Analytical Results for In-Place Soil Compared to Chromium Soil Cleanup Criterion
Site 132, Garfield Avenue Group
PPG, Jersey City, New Jersey

															Analyte CAS RN Units CrSCC	CHROMIUM (HEXAVALENT) 18540-29-9 mg/kg 20	
Grid ID (G1)	Location ID (G2)	Location Elevation (ft NAVD88) (G3, G4, G5)	As-built TEE (ft NAVD88) (G4, G6, G7, G8)	Sample ID (G9)	Depth Interval (ft bgs) (G10)	Sample Start Elevation (ft NAVD88) (G4, G7, G8, G11)	Sample End Elevation (ft NAVD88) (G4, G12)	Lab ID (G13)	Lab SDG (G13)	Date Collected (G14)	Sample Status (G15)	Sample Type (G16)	Validated (Y/N) (G17)	Matrix (G18)	Result (G19, G20)	Qualifier (G21, G22)	Specific Notes
F16A	143-P3A-F16A	12.6	7.6	143-P3A-F16A-13.5-14.0	13.5 - 14.0 ft	-0.9	-1.4	JB37963-5	JB37963	05/24/2013	remaining	N	Y		< 0.12	RA	S2
F16A	143-P3A-F16A	12.6	7.6	143-P3A-F16A-14.0-14.5	14.0 - 14.5 ft	-1.4	-1.9	JB37963-6	JB37963	05/24/2013	remaining	N	Y		< 0.14	RA	S2
F17A	143-F17A-PB	12.3	7.4	143-F17A-PB-4.9-5.4	4.9 - 5.4 ft	7.4	6.9	JB72243-2	JB72243	07/22/2014	remaining	N	Y		< 0.26	UJ	S2
F17A	143-P3A-F17A	12.3	7.4	143-P3A-F17A-6.8-7.3	6.8 - 7.3 ft	5.5	5.0	JB37963-7R	JB37963R	05/24/2013	remaining	N	Y		0.84	RA	S2
F17A	143-P3A-F17A	12.3	7.4	143-P3A-F17A-8.8-9.3	8.8 - 9.3 ft	3.5	3.0	JB37963-8	JB37963	05/24/2013	remaining	N	Y		0.46	RA	S2
F17A	143-P3A-F17A	12.3	7.4	143-P3A-F17A-10.8-11.3	10.8 - 11.3 ft	1.5	1.0	JB37963-9	JB37963	05/24/2013	remaining	N	Y		< 0.12	RA	S2
F17A	143-P3A-F17A	12.3	7.4	143-P3A-F17A-12.0-12.5	12.0 - 12.5 ft	0.3	-0.2	JB37963-10	JB37963	05/24/2013	remaining	N	Y		0.11	RA	S2
F17A	143-P3A-F17A	12.3	7.4	143-P3A-F17A-14.0-14.5	14.0 - 14.5 ft	-1.7	-2.2	JB37963-11	JB37963	05/24/2013	remaining	N	Y		0.50	RA	S2
F17A	143-P3A-F17A	12.3	7.4	143-P3A-F17A-14.5-15.0	14.5 - 15.0 ft	-2.2	-2.7	JB37963-12	JB37963	05/24/2013	remaining	N	Y		< 0.16	RA	S2
F17A	EF-32	12.3	7.4	EF-B32-6.0	6.0 - 6.5 ft	6.3	5.8	460-25657-20	460256571	04/21/2011	remaining	N	Y		< 0.63	UJ	S2
F17A	EF-32	12.3	7.4	EF-B32-10.5	10.5 - 11.0 ft	1.8	1.3	460-25657-21	460256571	04/21/2011	remaining	N	Y		< 0.75	UJ	S2
F18A	143-F18A-PB	12.4	6.5	143-F18A-PB-5.9-6.4	5.9 - 6.4 ft	6.5	6.0	JB72243-3R	JB72243R	07/22/2014	remaining	N	Y		3.8	J	S2
F18A	143-P3A-F18A	12.4	6.5	143-P3A-F18A-6.5-7.0	6.5 - 7.0 ft	5.9	5.4	JB38022-2	JB38022	05/24/2013	remaining	N	Y		0.79	RA	S2
F18A	143-P3A-F18A	12.4	6.5	143-P3A-F18A-6.5-7.0X	6.5 - 7.0 ft	5.9	5.4	JB38022-3	JB38022	05/24/2013	remaining	FD	Y		1.5	RA	S2
F18A	143-P3A-F18A	12.4	6.5	143-P3A-F18A-8.5-9.0	8.5 - 9.0 ft	3.9	3.4	JB38022-4	JB38022	05/24/2013	remaining	N	Y		0.35	RA	S2
F18A	143-P3A-F18A	12.4	6.5	143-P3A-F18A-10.5-11.0	10.5 - 11.0 ft	1.9	1.4	JB38022-5	JB38022	05/24/2013	remaining	N	Y		0.10	RA	S2
F18A	143-P3A-F18A	12.4	6.5	143-P3A-F18A-12.5-13.0	12.5 - 13.0 ft	-0.1	-0.6	JB38022-6	JB38022	05/24/2013	remaining	N	Y		0.20	RA	S2
F18A	143-P3A-F18A	12.4	6.5	143-P3A-F18A-14.4-14.9	14.4 - 14.9 ft	-2.0	-2.5	JB38022-7	JB38022	05/24/2013	remaining	N	Y		0.13	RA	S2
F18A	143-P3A-F18A	12.4	6.5	143-P3A-F18A-14.9-15.4	14.9 - 15.4 ft	-2.5	-3.0	JB38022-8	JB38022	05/24/2013	remaining	N	Y		0.19	RA	S2
F19A	143-B7	12.4	6.3	PPG-143-B7E_5.9-6.6_799371	5.9 - 6.6 ft	6.5	5.8	799371	B818	01/11/2007	remaining	N	Y		2.9	J	
F19A	143-B7	12.4	6.3	PPG-143-B7F_6.9-9.4_799353	6.9 - 9.4 ft	5.5	3.0	799353	B818	01/11/2007	remaining	N	Y		< 2.39	UJ	
F19A	143-B7	12.4	6.3	PPG-143-B7G_8.5-10.3_799354	8.5 - 10.3 ft	3.9	2.1	799354	B818	01/11/2007	remaining	N	Y		< 3.15	UJ	
F19A	143-B7	12.4	6.3	PPG-143-B7H_13.1-13.7_799355	13.1 - 13.7 ft	-0.7	-1.3	799355	B818	01/11/2007	remaining	N	Y		< 4.63	UJ	
F19A	143-B7	12.4	6.3	PPG-143-B7I_18.0-18.9_799356	18.0 - 18.9 ft	-5.6	-6.5	799356	B818	01/11/2007	remaining	N	Y		< 2.53	UJ	
F19A	143-P3A-F19A	12.3	6.3	143-P3A-F19A-16.0-16.5	16.0 - 16.5 ft	-3.7	-4.2	JB38022-9	JB38022	05/24/2013	remaining	N	Y		0.25	RA	S2
F19A	143-P3A-F19A	12.3	6.3	143-P3A-F19A-16.5-17.0	16.5 - 17.0 ft	-4.2	-4.7	JB38022-10R	JB38022R	05/24/2013	remaining	N	Y		5.5	RA	S2
F20A	143-F20A-PB	12.6	6.2	143-F20A-PB-6.6-7.1	6.6 - 7.1 ft	6.0	5.5	JB72763-2	JB72763	07/28/2014	remaining	N	Y		2.0	J	
F20A	143-P3A-F20A	12.6	6.2	143-P3A-F20A-6.5-7.0	6.5 - 7.0 ft	6.1	5.6	JB32034-14R	JB32034R	03/21/2013	remaining	N	Y		0.17	J	S2
F20A	143-P3A-F20A	12.6	6.2	143-P3A-F20A-8.5-9.0	8.5 - 9.0 ft	4.1	3.6	JB32034-12R	JB32034R	03/21/2013	remaining	N	Y		0.20	J	S2
F20A	143-P3A-F20A	12.6	6.2	143-P3A-F20A-10.5-11.0	10.5 - 11.0 ft	2.1	1.6	JB32034-13R	JB32034R	03/21/2013	remaining	N	Y		0.20	J	S2
F20A	143-P3A-F20A	12.6	6.2	143-P3A-F20A-12.5-13.0	12.5 - 13.0 ft	0.1	-0.4	JB32034-11R	JB32034R	03/21/2013	remaining	N	Y		0.33	J	S2
F20A	143-P3A-F20A	12.6	6.2	143-P3A-F20A-14.5-15.0	14.5 - 15.0 ft	-1.9	-2.4	JB32034-10R	JB32034R	03/21/2013	remaining	N	Y		0.26	J	S2
F20A	143-P3A-F20A	12.6	6.2	143-P3A-F20A-15.0-15.5	15.0 - 15.5 ft	-2.4	-2.9	JB32034-9R	JB32034R	03/21/2013	remaining	N	Y		1.0	J	S2
F21A	132-P3A-F21A	13.9	5.4	132-P3A-F21A-8.5-9.0	8.5 - 9.0 ft	5.3	4.8	JB35199-18R	JB35199R	04/24/2013	remaining	N	Y		0.98	RA	
F21A	132-P3A-F21A	13.9	5.4	132-P3A-F21A-10.5-11.0	10.5 - 11.0 ft	3.3	2.8	JB35199-17R	JB35199R	04/24/2013	remaining	N	Y		0.56	RA	
F21A	132-P3A-F21A	13.9	5.4	132-P3A-F21A-12.5-13.0	12.5 - 13.0 ft	1.3	0.8	JB35199-16	JB35199	04/24/2013	remaining	N	Y		0.31	RA	
F21A	132-P3A-F21A	13.9	5.4	132-P3A-F21A-12.5-13.0X	12.5 - 13.0 ft	1.3	0.8	JB35199-15	JB35199	04/24/2013	remaining	FD	Y		0.45	RA	
F21A	132-P3A-F21A	13.9	5.4	132-P3A-F21A-14.5-15.0	14.5 - 15.0 ft	-0.7	-1.2	JB35199-14R	JB35199R	04/24/2013	remaining	N	Y		< 0.36	RA	
F21A	132-P3A-F21A	13.9	5.4	132-P3A-F21A-16.0-16.5	16.0 - 16.5 ft	-2.2	-2.7	JB35199-13	JB35199	04/24/2013	remaining	N	Y		0.87	RA	
F21A	132-P3A-F21A	13.9	5.4	132-P3A-F21A-16.5-17.0	16.5 - 17.0 ft	-2.7	-3.2	JB35199-12	JB35199	04/24/2013	remaining	N	Y		2.2	RA	
F21A	143-F21A-PB	13.9	5.4	143-F21A-PB-8.5-9.0	8.5 - 9.0 ft	5.4	4.9	JB72763-1R	JB72763R	07/28/2014	remaining	N	Y		0.94	J	
F22A	132-P3A-F22A	14.1	7.1	132-P3A-F22A-9.0-9.5	9.0 - 9.5 ft	5.1	4.6	JB37963-19	JB37963	05/24/2013	remaining	N	Y		0.15	RA	

Table 5-1
Cr⁺⁶ Analytical Results for In-Place Soil Compared to Chromium Soil Cleanup Criterion
Site 132, Garfield Avenue Group
PPG, Jersey City, New Jersey

															Analyte CAS RN Units CrSCC	CHROMIUM (HEXVALENT) 18540-29-9 mg/kg 20		
Grid ID (G1)	Location ID (G2)	Location Elevation (ft NAVD88) (G3, G4, G5)	As-built TEE (ft NAVD88) (G4, G6, G7, G8)	Sample ID (G9)	Depth Interval (ft bgs) (G10)	Sample Start Elevation (ft NAVD88) (G4, G7, G8, G11)	Sample End Elevation (ft NAVD88) (G4, G12)	Lab ID (G13)	Lab SDG (G13)	Date Collected (G14)	Sample Status (G15)	Sample Type (G16)	Validated (Y/N) (G17)	Matrix (G18)	Result (G19, G20)	Qualifier (G21, G22)	Specific Notes	
F22A	132-P3A-F22A	14.1	7.1	132-P3A-F22A-11.0-11.5	11.0 - 11.5 ft	3.1	2.6	JB37963-20	JB37963	05/24/2013	remaining	N	Y		0.29	RA		
F22A	132-P3A-F22A	14.1	7.1	132-P3A-F22A-11.0-11.5X	11.0 - 11.5 ft	3.1	2.6	JB37963-13	JB37963	05/24/2013	remaining	FD	Y		< 0.081	RA		
F22A	132-P3A-F22A	14.1	7.1	132-P3A-F22A-12.8-13.3	12.8 - 13.3 ft	1.3	0.8	JB37963-14	JB37963	05/24/2013	remaining	N	Y		0.36	RA		
F22A	132-P3A-F22A	14.1	7.1	132-P3A-F22A-14.8-15.3	14.8 - 15.3 ft	-0.7	-1.2	JB37963-15	JB37963	05/24/2013	remaining	N	Y		0.64	RA		
F22A	132-P3A-F22A	14.1	7.1	132-P3A-F22A-16.3-16.8	16.3 - 16.8 ft	-2.2	-2.7	JB37963-16R	JB37963R	05/24/2013	remaining	N	Y		< 0.32	RA		
F22A	132-P3A-F22A	14.1	7.1	132-P3A-F22A-16.8-17.3	16.8 - 17.3 ft	-2.7	-3.2	JB37963-17	JB37963	05/24/2013	remaining	N	Y		0.25	RA		
F22A	EF-55	14.0	7.1	EF-B55-2.5	2.5 - 3.0 ft	11.5	11.0	460-26847-7	460268471	05/23/2011	removed	N	Y		< 0.56	U	S12	
F22A	EF-55	14.0	7.1	EF-B55-7.0	7.0 - 7.5 ft	7.0	6.5	460-26847-19	460268471	05/24/2011	remaining	N	Y		1.5	J	S12	
F22A	EF-55	14.0	7.1	EF-B55-17.0	17.0 - 17.5 ft	-3.0	-3.5	460-26847-20	460268471	05/24/2011	remaining	N	Y		< 0.95	U		
F22A	EF-55	14.0	7.1	EF-B55-21.0	21.0 - 21.5 ft	-7.0	-7.5	460-26847-21	460268471	05/24/2011	remaining	N	Y		< 0.57	U		
F23A	132-P3A-F23A	14.1	8.6	132-P3A-F23A-4.9-5.4	4.9 - 5.4 ft	9.2	8.7	JB28065-8R	JB28065R	02/05/2013	removed	N	Y		0.50	RA	S4	
F23A	132-P3A-F23A	14.1	8.6	132-P3A-F23A-6.5-7.0	6.5 - 7.0 ft	7.6	7.1	JB28065-9	JB28065	02/05/2013	remaining	N	Y		0.23	RA	S12	
F23A	132-P3A-F23A	14.1	8.6	132-P3A-F23A-8.5-9.0	8.5 - 9.0 ft	5.6	5.1	JB35608-10	JB35608	04/29/2013	remaining	N	Y		< 0.19	UJ		
F23A	132-P3A-F23A	14.1	8.6	132-P3A-F23A-10.0-10.5	10.0 - 10.5 ft	4.1	3.6	JB28065-10R	JB28065R	02/05/2013	remaining	N	Y		0.36	RA		
F23A	132-P3A-F23A	14.1	8.6	132-P3A-F23A-12.5-13.0	12.5 - 13.0 ft	1.6	1.1	JB35608-11R	JB35608R	04/29/2013	remaining	N	Y		0.22	J		
F23A	132-P3A-F23A	14.1	8.6	132-P3A-F23A-12.5-13.0X	12.5 - 13.0 ft	1.6	1.1	JB35608-2R	JB35608R	04/29/2013	remaining	FD	Y		0.69	J		
F23A	132-P3A-F23A	14.1	8.6	132-P3A-F23A-14.5-15.0	14.5 - 15.0 ft	-0.4	-0.9	JB28159-15	JB28159	02/06/2013	remaining	N	Y		0.34	RA		
F23A	132-P3A-F23A	14.1	8.6	132-P3A-F23A-16.5-17.0	16.5 - 17.0 ft	-2.4	-2.9	JB28159-14	JB28159	02/06/2013	remaining	N	Y		0.38	RA		
F23A	132-P3A-F23A	14.1	8.6	132-P3A-F23A-16.5-17.0X	16.5 - 17.0 ft	-2.4	-2.9	JB28159-13	JB28159	02/06/2013	remaining	FD	Y		0.17	RA		
F23A	132-P3A-F23A	14.1	8.6	132-P3A-F23A-17.0-17.5	17.0 - 17.5 ft	-2.9	-3.4	JB28159-12	JB28159	02/06/2013	remaining	N	Y		0.47	RA		
F24A	132-F24A-PB	14.7	8.9	132-F24A-PB-5.8-6.3	5.8 - 6.3 ft	8.9	8.4	JB72246-2	JB72246	07/22/2014	remaining	N	Y		0.40	J		
F24A	132-P3A-F24A	14.7	8.9	132-P3A-F24A-6.7-7.2	6.7 - 7.2 ft	8.0	7.5	JB32574-7	JB32574	03/27/2013	remaining	N	Y		1.0	J		
F24A	132-P3A-F24A	14.7	8.9	132-P3A-F24A-8.7-9.2	8.7 - 9.2 ft	6.0	5.5	JB32574-6	JB32574	03/27/2013	remaining	N	Y		0.32	J		
F24A	132-P3A-F24A	14.7	8.9	132-P3A-F24A-10.7-11.2	10.7 - 11.2 ft	4.0	3.5	JB32574-5R	JB32574R	03/27/2013	remaining	N	Y		0.79	J		
F24A	132-P3A-F24A	14.7	8.9	132-P3A-F24A-12.7-13.2	12.7 - 13.2 ft	2.0	1.5	JB32574-4R	JB32574R	03/27/2013	remaining	N	Y		0.29	J		
F24A	132-P3A-F24A	14.7	8.9	132-P3A-F24A-14.7-15.2	14.7 - 15.2 ft	0.0	-0.5	JB32574-3	JB32574	03/27/2013	remaining	N	Y		0.47	J		
F24A	132-P3A-F24A	14.7	8.9	132-P3A-F24A-16.3-16.8	16.3 - 16.8 ft	-1.6	-2.1	JB34502-4	JB34502	04/17/2013	remaining	N	Y		< 0.25	RA		
F24A	132-P3A-F24A	14.7	8.9	132-P3A-F24A-16.8-17.3	16.8 - 17.3 ft	-2.1	-2.6	JB34502-5	JB34502	04/17/2013	remaining	N	Y		17.2	RA		
F24A	132-P3A-F24A	14.7	8.9	132-P3A-F24A-18.7-19.2	18.7 - 19.2 ft	-4.0	-4.5	JB32574-2	JB32574T	03/27/2013	remaining	N	Y		1.6	J		
F25A	132-P3A-F25A	14.7	12.0	132-P3A-F25A-1.5-2.0	1.5 - 2.0 ft	13.2	12.7	JB59614-11R	JB59614R	02/11/2014	removed	N	Y		0.28	J	S10	
F25A	132-P3A-F25A	14.7	12.0	132-P3A-F25A-3.5-4.0	3.5 - 4.0 ft	11.2	10.7	JB59614-12	JB59614	02/11/2014	remaining	N	Y		2.6	J		
F25A	132-P3A-F25A	14.7	12.0	132-P3A-F25A-5.5-6.0	5.5 - 6.0 ft	9.2	8.7	JB59614-13R	JB59614R	02/11/2014	remaining	N	Y		0.62	J		
F25A	132-P3A-F25A	14.7	12.0	132-P3A-F25A-7.5-8.0	7.5 - 8.0 ft	7.2	6.7	JB59614-14R	JB59614R	02/11/2014	remaining	N	Y		0.18	J		
F25A	132-P3A-F25A	14.7	12.0	132-P3A-F25A-9.5-10.0	9.5 - 10.0 ft	5.2	4.7	JB59614-15R	JB59614R	02/11/2014	remaining	N	Y		0.36	J		
F25A	132-P3A-F25A	14.7	12.0	132-P3A-F25A-11.5-12.0	11.5 - 12.0 ft	3.2	2.7	JB59614-16R	JB59614R	02/11/2014	remaining	N	Y		2.1	J		
F25A	132-P3A-F25A	14.7	12.0	132-P3A-F25A-13.5-14.0	13.5 - 14.0 ft	1.2	0.7	JB59614-17	JB59614	02/11/2014	remaining	N	Y		0.33	J		
F25A	132-P3A-F25A	14.7	12.0	132-P3A-F25A-15.5-16.0	15.5 - 16.0 ft	-0.8	-1.3	JB59614-18R	JB59614R	02/11/2014	remaining	N	Y		1.1	J		
F25A	132-P3A-F25A	14.7	12.0	132-P3A-F25A-17.5-18.0	17.5 - 18.0 ft	-2.8	-3.3	JB59614-19	JB59614	02/11/2014	remaining	N	Y		0.46	J		
F25A	132-P3A-F25A	14.7	12.0	132-P3A-F25A-17.5-18.0X	17.5 - 18.0 ft	-2.8	-3.3	JB59614-20	JB59614	02/11/2014	remaining	FD	Y		1.5	J		
F25A	132-P3A-F25A	14.7	12.0	132-P3A-F25A-18.0-18.5	18.0 - 18.5 ft	-3.3	-3.8	JB59614-21R	JB59614R	02/11/2014	remaining	N	Y		1.3	J		
F26A	132-P3A-F26A	14.9	12.4	132-P3A-F26A-1.0-1.5	1.0 - 1.5 ft	13.9	13.4	JB59315-22R	JB59315R	02/06/2014	removed	N	Y		0.80	J	S10	
F26A	132-P3A-F26A	14.9	12.4	132-P3A-F26A-3.0-3.5	3.0 - 3.5 ft	11.9	11.4	JB59315-23R	JB59315R	02/06/2014	remaining	N	Y		5.2	J		

Table 5-1
Cr⁺⁶ Analytical Results for In-Place Soil Compared to Chromium Soil Cleanup Criterion
Site 132, Garfield Avenue Group
PPG, Jersey City, New Jersey

															Analyte CAS RN Units CrSCC	CHROMIUM (HEXAVALENT) 18540-29-9 mg/kg 20	
Grid ID (G1)	Location ID (G2)	Location Elevation (ft NAVD88) (G3, G4, G5)	As-built TEE (ft NAVD88) (G4, G6, G7, G8)	Sample ID (G9)	Depth Interval (ft bgs) (G10)	Sample Start Elevation (ft NAVD88) (G4, G7, G8, G11)	Sample End Elevation (ft NAVD88) (G4, G12)	Lab ID (G13)	Lab SDG (G13)	Date Collected (G14)	Sample Status (G15)	Sample Type (G16)	Validated (Y/N) (G17)	Matrix (G18)	Result (G19, G20)	Qualifier (G21, G22)	Specific Notes
F26A	132-P3A-F26A	14.9	12.4	132-P3A-F26A-5.0-5.5	5.0 - 5.5 ft	9.9	9.4	JB59315-24	JB59315	02/06/2014	remaining	N	Y		1.3 J		
F26A	132-P3A-F26A	14.9	12.4	132-P3A-F26A-5.0-5.5X	5.0 - 5.5 ft	9.9	9.4	JB59315-25R	JB59315R	02/06/2014	remaining	FD	Y		5.2 J		
F26A	132-P3A-F26A	14.9	12.4	132-P3A-F26A-7.0-7.5	7.0 - 7.5 ft	7.9	7.4	JB59315-26	JB59315	02/06/2014	remaining	N	Y		1.8 J		
F26A	132-P3A-F26A	14.9	12.4	132-P3A-F26A-9.0-9.5	9.0 - 9.5 ft	5.9	5.4	JB59315-27R	JB59315R	02/06/2014	remaining	N	Y		0.73 J		
F26A	132-P3A-F26A	14.9	12.4	132-P3A-F26A-11.0-11.5	11.0 - 11.5 ft	3.9	3.4	JB59315-28R	JB59315R	02/06/2014	remaining	N	Y		4.3 J		
F26A	132-P3A-F26A	14.9	12.4	132-P3A-F26A-13.0-13.5	13.0 - 13.5 ft	1.9	1.4	JB59315-29R	JB59315R	02/06/2014	remaining	N	Y		6.5 J		
F26A	132-P3A-F26A	14.9	12.4	132-P3A-F26A-15.0-15.5	15.0 - 15.5 ft	-0.1	-0.6	JB59315-30	JB59315	02/06/2014	remaining	N	Y		0.54 J		
F26A	132-P3A-F26A	14.9	12.4	132-P3A-F26A-17.0-17.5	17.0 - 17.5 ft	-2.1	-2.6	JB59315-31R	JB59315R	02/06/2014	remaining	N	Y		3.5 J		
F26A	132-P3A-F26A	14.9	12.4	132-P3A-F26A-17.5-18.0	17.5 - 18.0 ft	-2.6	-3.1	JB59315-32	JB59315	02/06/2014	remaining	N	Y		0.78 J		
F26A	132-P3A-F26A	14.9	12.4	132-P3A-F26A-18.0-18.5	18.0 - 18.5 ft	-3.1	-3.6	JB59315-33	JB59315	02/06/2014	remaining	N	Y		1.3 J		
F27A	132-P3A-F27A	14.9	12.8	132-P3A-F27A-0.8-1.3	0.8 - 1.3 ft	14.1	13.6	JB59412-1	JB59412	02/07/2014	removed	N	Y		0.35 RA		S10
F27A	132-P3A-F27A	14.9	12.8	132-P3A-F27A-2.8-3.3	2.8 - 3.3 ft	12.1	11.6	JB59412-2R	JB59412R	02/07/2014	remaining	N	Y		1.1 RA		
F27A	132-P3A-F27A	14.9	12.8	132-P3A-F27A-4.8-5.3	4.8 - 5.3 ft	10.1	9.6	JB59412-3	JB59412	02/07/2014	remaining	N	Y		0.26 RA		
F27A	132-P3A-F27A	14.9	12.8	132-P3A-F27A-6.8-7.3	6.8 - 7.3 ft	8.1	7.6	JB59412-4R	JB59412R	02/07/2014	remaining	N	Y		0.29 RA		
F27A	132-P3A-F27A	14.9	12.8	132-P3A-F27A-6.8-7.3X	6.8 - 7.3 ft	8.1	7.6	JB59412-5	JB59412	02/07/2014	remaining	FD	Y		0.15 RA		
F27A	132-P3A-F27A	14.9	12.8	132-P3A-F27A-8.8-9.3	8.8 - 9.3 ft	6.1	5.6	JB59412-6	JB59412	02/07/2014	remaining	N	Y		0.11 RA		
F27A	132-P3A-F27A	14.9	12.8	132-P3A-F27A-10.8-11.3	10.8 - 11.3 ft	4.1	3.6	JB59412-7	JB59412	02/07/2014	remaining	N	Y		< 0.13 RA		
F27A	132-P3A-F27A	14.9	12.8	132-P3A-F27A-12.8-13.3	12.8 - 13.3 ft	2.1	1.6	JB59412-8R	JB59412R	02/07/2014	remaining	N	Y		0.25 RA		
F27A	132-P3A-F27A	14.9	12.8	132-P3A-F27A-14.8-15.3	14.8 - 15.3 ft	0.1	-0.4	JB59412-9R	JB59412R	02/07/2014	remaining	N	Y		0.20 RA		
F27A	132-P3A-F27A	14.9	12.8	132-P3A-F27A-16.8-17.3	16.8 - 17.3 ft	-1.9	-2.4	JB59412-10R	JB59412R	02/07/2014	remaining	N	Y		< 0.075 RA		
F27A	132-P3A-F27A	14.9	12.8	132-P3A-F27A-17.5-18.0	17.5 - 18.0 ft	-2.6	-3.1	JB59412-11	JB59412	02/07/2014	remaining	N	Y		0.30 RA		
F27A	132-P3A-F27A	14.9	12.8	132-P3A-F27A-18.0-18.5	18.0 - 18.5 ft	-3.1	-3.6	JB59412-12	JB59412	02/07/2014	remaining	N	Y		2.5 RA		
F28A	132-P3A-F28A	15.0	12.8	132-P3A-F28A-1.5-2.0	1.5 - 2.0 ft	13.5	13.0	JB59310-3R	JB59310R	02/06/2014	removed	N	Y		0.44 J		S10
F28A	132-P3A-F28A	15.0	12.8	132-P3A-F28A-3.5-4.0	3.5 - 4.0 ft	11.5	11.0	JB59310-4R	JB59310R	02/06/2014	remaining	N	Y		0.78 J		
F28A	132-P3A-F28A	15.0	12.8	132-P3A-F28A-5.5-6.0	5.5 - 6.0 ft	9.5	9.0	JB59310-5R	JB59310R	02/06/2014	remaining	N	Y		0.12 J		
F28A	132-P3A-F28A	15.0	12.8	132-P3A-F28A-7.5-8.0	7.5 - 8.0 ft	7.5	7.0	JB59310-6R	JB59310R	02/06/2014	remaining	N	Y		0.14 J		
F28A	132-P3A-F28A	15.0	12.8	132-P3A-F28A-9.5-10.0	9.5 - 10.0 ft	5.5	5.0	JB59310-7	JB59310	02/06/2014	remaining	N	Y		0.15 J		
F28A	132-P3A-F28A	15.0	12.8	132-P3A-F28A-11.5-12.0	11.5 - 12.0 ft	3.5	3.0	JB59310-8	JB59310	02/06/2014	remaining	N	Y		0.20 J		
F28A	132-P3A-F28A	15.0	12.8	132-P3A-F28A-13.5-14.0	13.5 - 14.0 ft	1.5	1.0	JB59310-9	JB59310	02/06/2014	remaining	N	Y		0.35 J		
F28A	132-P3A-F28A	15.0	12.8	132-P3A-F28A-15.5-16.0	15.5 - 16.0 ft	-0.5	-1.0	JB59310-10	JB59310	02/06/2014	remaining	N	Y		0.31 J		
F28A	132-P3A-F28A	15.0	12.8	132-P3A-F28A-16.3-16.8	16.3 - 16.8 ft	-1.3	-1.8	JB59310-11	JB59310	02/06/2014	remaining	N	Y		0.26 J		
F28A	132-P3A-F28A	15.0	12.8	132-P3A-F28A-16.8-17.3	16.8 - 17.3 ft	-1.8	-2.3	JB59310-12	JB59310	02/06/2014	remaining	N	Y		7.3 J		
F29A	132-P3A-F29A	15.1	13.1	132-P3A-F29A-1.0-1.5	1.0 - 1.5 ft	14.1	13.6	JB60017-1R	JB60017R	02/18/2014	removed	N	Y		4.1 J		S10
F29A	132-P3A-F29A	15.1	13.1	132-P3A-F29A-3.0-3.5	3.0 - 3.5 ft	12.1	11.6	JB60017-2R	JB60017R	02/18/2014	remaining	N	Y		1.1 J		
F29A	132-P3A-F29A	15.1	13.1	132-P3A-F29A-5.0-5.5	5.0 - 5.5 ft	10.1	9.6	JB60017-3R	JB60017R	02/18/2014	remaining	N	Y		0.12 J		
F29A	132-P3A-F29A	15.1	13.1	132-P3A-F29A-7.0-7.5	7.0 - 7.5 ft	8.1	7.6	JB60017-4R	JB60017R	02/18/2014	remaining	N	Y		0.33 J		
F29A	132-P3A-F29A	15.1	13.1	132-P3A-F29A-9.0-9.5	9.0 - 9.5 ft	6.1	5.6	JB60017-5	JB60017	02/18/2014	remaining	N	Y		1.1 J		
F29A	132-P3A-F29A	15.1	13.1	132-P3A-F29A-11.0-11.5	11.0 - 11.5 ft	4.1	3.6	JB60017-6R	JB60017R	02/18/2014	remaining	N	Y		0.68 J		
F29A	132-P3A-F29A	15.1	13.1	132-P3A-F29A-13.0-13.5	13.0 - 13.5 ft	2.1	1.6	JB60017-7	JB60017	02/18/2014	remaining	N	Y		0.54 J		
F29A	132-P3A-F29A	15.1	13.1	132-P3A-F29A-15.0-15.5	15.0 - 15.5 ft	0.1	-0.4	JB60017-8	JB60017	02/18/2014	remaining	N	Y		0.38 J		
F29A	132-P3A-F29A	15.1	13.1	132-P3A-F29A-15.5-16.0	15.5 - 16.0 ft	-0.4	-0.9	JB60017-9R	JB60017R	02/18/2014	remaining	N	Y		0.93 J		
F29A	132-P3A-F29A	15.1	13.1	132-P3A-F29A-16.0-16.5	16.0 - 16.5 ft	-0.9	-1.4	JB60017-10	JB60017	02/18/2014	remaining	N	Y		1.6 J		

Table 5-1
Cr⁺⁶ Analytical Results for In-Place Soil Compared to Chromium Soil Cleanup Criterion
Site 132, Garfield Avenue Group
PPG, Jersey City, New Jersey

															Analyte CAS RN Units CrSCC	CHROMIUM (HEXAVALENT) 18540-29-9 mg/kg 20	
Grid ID (G1)	Location ID (G2)	Location Elevation (ft NAVD88) (G3, G4, G5)	As-built TEE (ft NAVD88) (G4, G6, G7, G8)	Sample ID (G9)	Depth Interval (ft bgs) (G10)	Sample Start Elevation (ft NAVD88) (G4, G7, G8, G11)	Sample End Elevation (ft NAVD88) (G4, G12)	Lab ID (G13)	Lab SDG (G13)	Date Collected (G14)	Sample Status (G15)	Sample Type (G16)	Validated (Y/N) (G17)	Matrix (G18)	Result (G19, G20)	Qualifier (G21, G22)	Specific Notes
F30A	132-B3	14.2	13.3	132B3C_0.95-1.6_804239	0.9 - 1.6 ft	13.3	12.6	804239	C482	01/31/2007	remaining	N	Y		< 2.82	UJ	
F30A	132-B3	14.2	13.3	132B3D_1.6-2.1_804240	1.6 - 2.1 ft	12.6	12.1	804240	C482	01/31/2007	remaining	N	Y		4.6	J	
F30A	132-B3	14.2	13.3	132B3E_2.1-2.5_804241	2.1 - 2.5 ft	12.1	11.7	804241	C482	01/31/2007	remaining	N	Y		< 2.32	UJ	
F30A	132-B3	14.2	13.3	132B3F_3.6-3.85_804242	3.6 - 3.8 ft	10.6	10.4	804242	C482	01/31/2007	remaining	N	Y		< 2.92	UJ	
F30A	132-B3	14.2	13.3	132B3G_4.0-4.5_806753	4.0 - 4.5 ft	10.2	9.7	806753	C844	02/09/2007	remaining	N	Y		< 2.71	UJ	
F30A	132-B3	14.2	13.3	132B3H_5.3-6.2_806754	5.3 - 6.2 ft	8.9	8.0	806754	C844	02/09/2007	remaining	N	Y		< 2.84	UJ	
F30A	132-B3	14.2	13.3	132B3HD_5.3-6.2_806755	5.3 - 6.2 ft	8.9	8.0	806755	C844	02/09/2007	remaining	FD	Y		< 3.02	UJ	
F30A	132-B3	14.2	13.3	132B3I_9.0-9.5_806756	9.0 - 9.5 ft	5.2	4.7	806756	C844	02/09/2007	remaining	N	Y		< 2.73	UJ	
F30A	132-B3	14.2	13.3	132B3J_13.0-13.5_806757	13.0 - 13.5 ft	1.2	0.7	806757	C844	02/09/2007	remaining	N	Y		< 2.79	UJ	
F30A	132-B3	14.2	13.3	132B3K_13.5-14.0_806758	13.5 - 14.0 ft	0.7	0.2	806758	C844	02/09/2007	remaining	N	Y		< 3.33	UJ	
F30A	132-B3	14.2	13.3	132B3L_16.0-16.5_806759	16.0 - 16.5 ft	-1.8	-2.3	806759	C844	02/09/2007	remaining	N	Y		< 2.66	UJ	
F30A	132-B3	14.2	13.3	132B3M_16.9-17.9_806760	16.9 - 17.9 ft	-2.7	-3.7	806760	C844	02/09/2007	remaining	N	Y		< 2.37	UJ	
F30A	132-B3	14.2	13.3	132B3N_17.9-18.4_806761	17.9 - 18.4 ft	-3.7	-4.2	806761	C844	02/09/2007	remaining	N	Y		< 4.18	UJ	
F30A	132-B3	14.2	13.3	132B3O_20.0-20.5_806762	20.0 - 20.5 ft	-5.8	-6.3	806762	C844	02/09/2007	remaining	N	Y		< 4.6	UJ	
F30A	132-B3	14.2	13.3	132B3P_21.6-22.1_806763	21.6 - 22.1 ft	-7.4	-7.9	806763	C844	02/09/2007	remaining	N	Y		< 2.45	UJ	
G15A	132-B10	13.0	0.9	132B10F_12.0-12.5_803858	12.0 - 12.5 ft	1.0	0.5	803858	C438	01/30/2007	remaining	N	Y		3.8	J	
G15A	132-B10	13.0	0.9	132B10G_12.5-12.9_803860	12.5 - 12.9 ft	0.5	0.1	803860	C438	01/30/2007	remaining	N	Y		3.5	J	
G15A	132-B10	13.0	0.9	132B10H_14.5-15.0_803861	14.5 - 15.0 ft	-1.5	-2.0	803861	C438	01/30/2007	remaining	N	Y		< 2.43	UJ	
G15A	132-B10	13.0	0.9	132B10I_16.0-16.5_803862	16.0 - 16.5 ft	-3.0	-3.5	803862	C438	01/30/2007	remaining	N	Y		< 2.99	UJ	
G15A	132-B10	13.0	0.9	132B10J_18.0-18.5_803863	18.0 - 18.5 ft	-5.0	-5.5	803863	C438	01/30/2007	remaining	N	Y		< 12.35	UJ	
G15A	132-B10	13.0	0.9	132B10K_18.5-19.1_803866	18.5 - 19.1 ft	-5.5	-6.1	803866	C438	01/30/2007	remaining	N	Y		< 2.48	UJ	
G15A	143-P3A-G15A	11.8	0.9	143-P3A-G15A-11.0-11.5	11.0 - 11.5 ft	0.8	0.3	JB33877-8R	JB33877R	04/10/2013	remaining	N	Y		< 0.27	RA	S13
G15A	143-P3A-G15A	11.8	0.9	143-P3A-G15A-12.0-12.5	12.0 - 12.5 ft	-0.2	-0.7	JB33877-11R	JB33877R	04/10/2013	remaining	N	Y		< 0.29	RA	S13
G15A	143-P3A-G15A	11.8	0.9	143-P3A-G15A-12.0-12.5X	12.0 - 12.5 ft	-0.2	-0.7	JB33877-10R	JB33877R	04/10/2013	remaining	FD	Y		< 0.28	RA	S13
G15A	143-P3A-G15A	11.8	0.9	143-P3A-G15A-12.5-13.0	12.5 - 13.0 ft	-0.7	-1.2	JB33877-9	JB33877	04/10/2013	remaining	N	Y		0.66	RA	S13
G16A	143-P3A-G16A	11.7	6.4	143-P3A-G16A-5.0-5.5	5.0 - 5.5 ft	6.7	6.2	JB45449-1	JB45449	08/22/2013	remaining	N	Y		0.46	J	
G16A	143-P3A-G16A	11.7	6.4	143-P3A-G16A-7.0-7.5	7.0 - 7.5 ft	4.7	4.2	JB45449-2	JB45449	08/22/2013	remaining	N	Y		0.60	J	
G16A	143-P3A-G16A	11.7	6.4	143-P3A-G16A-8.0-8.5	8.0 - 8.5 ft	3.7	3.2	JB45449-3	JB45449	08/22/2013	remaining	N	Y		< 0.13	UJ	
G16A	143-P3A-G16A	11.7	6.4	143-P3A-G16A-10.0-10.5	10.0 - 10.5 ft	1.7	1.2	JB45449-4	JB45449	08/22/2013	remaining	N	Y		< 0.11	UJ	
G16A	143-P3A-G16A	11.7	6.4	143-P3A-G16A-12.0-12.5	12.0 - 12.5 ft	-0.3	-0.8	JB45449-5R	JB45449R	08/22/2013	remaining	N	Y		1.7	J	
G16A	143-P3A-G16A	11.7	6.4	143-P3A-G16A-14.0-14.5	14.0 - 14.5 ft	-2.3	-2.8	JB45449-6	JB45449	08/22/2013	remaining	N	Y		3.0	J	
G16A	143-P3A-G16A	11.7	6.4	143-P3A-G16A-14.5-15.0	14.5 - 15.0 ft	-2.8	-3.3	JB45449-7	JB45449	08/22/2013	remaining	N	Y		0.61	J	
G16A	143-P3A-G16A	11.7	6.4	143-P3A-G16A-15.0-15.5	15.0 - 15.5 ft	-3.3	-3.8	JB45449-8	JB45449	08/22/2013	remaining	N	Y		< 0.14	UJ	
G17A	132-G17A-PB	11.9	-3.1	132-G17A-PB-14.9-15.4	14.9 - 15.4 ft	-3.0	-3.5	JB72825-1	JB72825	07/29/2014	remaining	N	Y		2.2	RA	
G17A	143-B8	12.1	-3.1	PPG-143-B8I_16.1-16.5_799820	16.1 - 16.5 ft	-4.0	-4.4	799820	B882	01/12/2007	remaining	N	Y		< 2.9	UJ	
G17A	143-B8	12.1	-3.1	PPG-143-B8J_18.2-18.7_799821	18.2 - 18.7 ft	-6.1	-6.6	799821	B882	01/12/2007	remaining	N	Y		< 2.42	UJ	
G17A	143-P3A-G17A	11.9	-3.1	143-P3A-G17A-15.0-15.5	15.0 - 15.5 ft	-3.1	-3.6	JB45449-11	JB45449	08/22/2013	remaining	N	Y		3.0	J	
G18A	143-P3A-G18A	12.0	7.0	143-P3A-G18A-5.0-5.5	5.0 - 5.5 ft	7.0	6.5	JB45449-12	JB45449	08/22/2013	remaining	N	Y		< 0.093	UJ	S14
G18A	143-P3A-G18A	12.0	7.0	143-P3A-G18A-6.5-7.0	6.5 - 7.0 ft	5.5	5.0	JB45449-13	JB45449	08/22/2013	remaining	N	Y		0.51	J	
G18A	143-P3A-G18A	12.0	7.0	143-P3A-G18A-8.5-9.0	8.5 - 9.0 ft	3.5	3.0	JB45449-14	JB45449	08/22/2013	remaining	N	Y		0.35	J	
G18A	143-P3A-G18A	12.0	7.0	143-P3A-G18A-10.5-11.0	10.5 - 11.0 ft	1.5	1.0	JB45449-15	JB45449	08/22/2013	remaining	N	Y		0.45	J	
G18A	143-P3A-G18A	12.0	7.0	143-P3A-G18A-12.5-13.0	12.5 - 13.0 ft	-0.5	-1.0	JB45449-16R	JB45449R	08/22/2013	remaining	N	Y		15.0	J	

Table 5-1
Cr⁺⁶ Analytical Results for In-Place Soil Compared to Chromium Soil Cleanup Criterion
Site 132, Garfield Avenue Group
PPG, Jersey City, New Jersey

															Analyte CAS RN Units CrSCC	CHROMIUM (HEXAVALENT) 18540-29-9 mg/kg 20	
Grid ID (G1)	Location ID (G2)	Location Elevation (ft NAVD88) (G3, G4, G5)	As-built TEE (ft NAVD88) (G4, G6, G7, G8)	Sample ID (G9)	Depth Interval (ft bgs) (G10)	Sample Start Elevation (ft NAVD88) (G4, G7, G8, G11)	Sample End Elevation (ft NAVD88) (G4, G12)	Lab ID (G13)	Lab SDG (G13)	Date Collected (G14)	Sample Status (G15)	Sample Type (G16)	Validated (Y/N) (G17)	Matrix (G18)	Result (G19, G20)	Qualifier (G21, G22)	Specific Notes
G18A	143-P3A-G18A	12.0	7.0	143-P3A-G18A-14.5-15.0	14.5 - 15.0 ft	-2.5	-3.0	JB45449-17	JB45449	08/22/2013	remaining	N	Y		3.6	J	
G18A	143-P3A-G18A	12.0	7.0	143-P3A-G18A-15.0-15.5	15.0 - 15.5 ft	-3.0	-3.5	JB45449-18	JB45449	08/22/2013	remaining	N	Y		4.7	J	
G19A	143-P3A-G19A	11.9	7.0	143-P3A-G19A-3.5-4.0	3.5 - 4.0 ft	8.4	7.9	JB45356-13R	JB45356R	08/21/2013	removed	N	Y		0.64	RA	S14
G19A	143-P3A-G19A	11.9	7.0	143-P3A-G19A-5.5-6.0	5.5 - 6.0 ft	6.4	5.9	JB45356-14	JB45356	08/21/2013	remaining	N	Y		1.3	RA	S14
G19A	143-P3A-G19A	11.9	7.0	143-P3A-G19A-7.5-8.0	7.5 - 8.0 ft	4.4	3.9	JB45356-15	JB45356	08/21/2013	remaining	N	Y		0.31	RA	
G19A	143-P3A-G19A	11.9	7.0	143-P3A-G19A-8.2-8.7	8.2 - 8.7 ft	3.7	3.2	JB45356-16	JB45356	08/21/2013	remaining	N	Y		0.25	RA	
G19A	143-P3A-G19A	11.9	7.0	143-P3A-G19A-10.2-10.7	10.2 - 10.7 ft	1.7	1.2	JB45356-17	JB45356	08/21/2013	remaining	N	Y		0.14	RA	
G19A	143-P3A-G19A	11.9	7.0	143-P3A-G19A-10.2-10.7X	10.2 - 10.7 ft	1.7	1.2	JB45356-18	JB45356	08/21/2013	remaining	FD	Y		0.22	RA	
G19A	143-P3A-G19A	11.9	7.0	143-P3A-G19A-12.2-12.7	12.2 - 12.7 ft	-0.3	-0.8	JB45356-19	JB45356	08/21/2013	remaining	N	Y		0.30	RA	
G19A	143-P3A-G19A	11.9	7.0	143-P3A-G19A-13.2-13.7	13.2 - 13.7 ft	-1.3	-1.8	JB45356-20T	JB45356T	08/21/2013	remaining	N	Y		0.86	RA	
G19A	143-P3A-G19A	11.9	7.0	143-P3A-G19A-15.1-15.6	15.1 - 15.6 ft	-3.2	-3.7	JB45356-21T	JB45356T	08/21/2013	remaining	N	Y		2.5	RA	
G19A	143-P3A-G19A	11.9	7.0	143-P3A-G19A-15.6-16.1	15.6 - 16.1 ft	-3.7	-4.2	JB45356-22	JB45356	08/21/2013	remaining	N	Y		2.0	RA	
G20A	132-G20A-PB	12.1	6.6	132-G20A-PB-5.5-6.0	5.5 - 6.0 ft	6.6	6.1	JB74997-1	JB74997	08/26/2014	remaining	N	Y		6.5	J	
G20A	143-DD1-TW1	12.2	6.6	DD1-TW1-10.0	10.0 - 10.5 ft	2.2	1.7	460-34353-2	460343531	12/05/2011	remaining	N	Y		< 0.88	UJ	
G20A	143-P3A-G20A	12.1	6.6	143-P3A-G20A-6.0-6.5	6.0 - 6.5 ft	6.1	5.6	JB31893-1R	JB31893R	03/20/2013	remaining	N	Y		0.29	RA	
G20A	143-P3A-G20A	12.1	6.6	143-P3A-G20A-8.0-8.5	8.0 - 8.5 ft	4.1	3.6	JB31893-2R	JB31893R	03/20/2013	remaining	N	Y		0.57	RA	
G20A	143-P3A-G20A	12.1	6.6	143-P3A-G20A-8.0-8.5X	8.0 - 8.5 ft	4.1	3.6	JB31893-3R	JB31893R	03/20/2013	remaining	FD	Y		0.44	RA	
G20A	143-P3A-G20A	12.1	6.6	143-P3A-G20A-10.0-10.5	10.0 - 10.5 ft	2.1	1.6	JB31893-4	JB31893	03/20/2013	remaining	N	Y		0.68	RA	
G20A	143-P3A-G20A	12.1	6.6	143-P3A-G20A-12.0-12.5	12.0 - 12.5 ft	0.1	-0.4	JB31893-5R	JB31893R	03/20/2013	remaining	N	Y		0.88	RA	
G20A	143-P3A-G20A	12.1	6.6	143-P3A-G20A-12.5-13.0	12.5 - 13.0 ft	-0.4	-0.9	JB31893-6R	JB31893R	03/20/2013	remaining	N	Y		11.6	RA	
G21A	132-P3A-G21A	13.1	6.4	132-P3A-G21A-6.5-7.0	6.5 - 7.0 ft	6.6	6.1	JB35199-9R	JB35199R	04/24/2013	remaining	N	Y		0.22	J	
G21A	132-P3A-G21A	13.1	6.4	132-P3A-G21A-8.5-9.0	8.5 - 9.0 ft	4.6	4.1	JB35199-8R	JB35199R	04/24/2013	remaining	N	Y		0.56	J	
G21A	132-P3A-G21A	13.1	6.4	132-P3A-G21A-10.5-11.0	10.5 - 11.0 ft	2.6	2.1	JB35199-7	JB35199	04/24/2013	remaining	N	Y		0.25	J	
G21A	132-P3A-G21A	13.1	6.4	132-P3A-G21A-12.5-13.0	12.5 - 13.0 ft	0.6	0.1	JB35199-6	JB35199	04/24/2013	remaining	N	Y		0.26	J	
G21A	132-P3A-G21A	13.1	6.4	132-P3A-G21A-14.5-15.0	14.5 - 15.0 ft	-1.4	-1.9	JB35199-5R	JB35199R	04/24/2013	remaining	N	Y		0.44	J	
G21A	132-P3A-G21A	13.1	6.4	132-P3A-G21A-15.4-15.9	15.4 - 15.9 ft	-2.3	-2.8	JB35199-4	JB35199	04/24/2013	remaining	N	Y		0.78	J	
G21A	132-P3A-G21A	13.1	6.4	132-P3A-G21A-15.9-16.4	15.9 - 16.4 ft	-2.8	-3.3	JB35199-3R	JB35199R	04/24/2013	remaining	N	Y		2.3	J	
G22A	132-P3A-G22A	12.8	6.3	132-P3A-G22A-6.5-7.0	6.5 - 7.0 ft	6.3	5.8	JB38148-14	JB38148	05/28/2013	remaining	N	Y		< 0.086	RA	
G22A	132-P3A-G22A	12.8	6.3	132-P3A-G22A-8.5-9.0	8.5 - 9.0 ft	4.3	3.8	JB38148-15T	JB38148T	05/28/2013	remaining	N	Y		1.0	RA	
G22A	132-P3A-G22A	12.8	6.3	132-P3A-G22A-10.5-11.0	10.5 - 11.0 ft	2.3	1.8	JB38148-16	JB38148	05/28/2013	remaining	N	Y		0.24	RA	
G22A	132-P3A-G22A	12.8	6.3	132-P3A-G22A-12.5-13.0	12.5 - 13.0 ft	0.3	-0.2	JB38148-17	JB38148	05/28/2013	remaining	N	Y		0.12	RA	
G22A	132-P3A-G22A	12.8	6.3	132-P3A-G22A-12.5-13.0X	12.5 - 13.0 ft	0.3	-0.2	JB38148-18	JB38148	05/28/2013	remaining	FD	Y		0.14	RA	
G22A	132-P3A-G22A	12.8	6.3	132-P3A-G22A-14.5-15.0	14.5 - 15.0 ft	-1.7	-2.2	JB38148-19	JB38148	05/28/2013	remaining	N	Y		< 0.094	RA	
G22A	132-P3A-G22A	12.8	6.3	132-P3A-G22A-15.5-16.0	15.5 - 16.0 ft	-2.7	-3.2	JB38148-20	JB38148	05/28/2013	remaining	N	Y		2.9	RA	
G22A	132-P3A-G22A	12.8	6.3	132-P3A-G22A-16.0-16.5	16.0 - 16.5 ft	-3.2	-3.7	JB38148-21	JB38148	05/28/2013	remaining	N	Y		2.4	RA	
G23A	132-P3A-G23A	13.5	-0.6	132-P3A-G23A-14.0-14.5	14.0 - 14.5 ft	-0.5	-1.0	JB27947-14	JB27947	02/04/2013	remaining	N	Y		< 0.17	RA	
G23A	132-P3A-G23A	13.5	-0.6	132-P3A-G23A-14.5-15.0	14.5 - 15.0 ft	-1.0	-1.5	JB27947-15R	JB27947R	02/04/2013	remaining	N	Y		< 0.37	RA	
G24A	132-G23A-SW	11.9	7.8	132-G23A-SW-SE-5.0-5.5	5.0 - 5.5 ft	6.9	6.4	JC54685-3	JC54685	11/03/2017	remaining	N	Y		3.4	J	S15
G24A	132-G23A-SW	11.9	7.8	132-G23A-SW-SE-7.0-7.5	7.0 - 7.5 ft	4.9	4.4	JC54685-4	JC54685	11/03/2017	remaining	N	Y		1.5	J	S15
G24A	132-G23A-SW	11.9	7.8	132-G23A-SW-SE-7.0-7.5X	7.0 - 7.5 ft	4.9	4.4	JC54685-5	JC54685	11/03/2017	remaining	FD	Y		0.75	J	S15
G24A	132-G23A-SW	11.9	7.8	132-G23A-SW-SE-9.0-9.5	9.0 - 9.5 ft	2.9	2.4	JC54685-6	JC54685	11/03/2017	remaining	N	Y		1.0	J	S15
G24A	132-G23A-SW	11.9	7.8	132-G23A-SW-SE-11.0-11.5	11.0 - 11.5 ft	0.9	0.4	JC54685-2	JC54685	11/03/2017	remaining	N	Y		1.8	J	S15

Cr⁺⁶ Analytical Results for In-Place Soil Compared to Chromium Soil Cleanup Criterion
Site 132, Garfield Avenue Group
PPG, Jersey City, New Jersey

															Analyte CAS RN Units CrSCC	CHROMIUM (HEXVALENT) 18540-29-9 mg/kg 20		
Grid ID (G1)	Location ID (G2)	Location Elevation (ft NAVD88) (G3, G4, G5)	As-built TEE (ft NAVD88) (G4, G6, G7, G8)	Sample ID (G9)	Depth Interval (ft bgs) (G10)	Sample Start Elevation (ft NAVD88) (G4, G7, G8, G11)	Sample End Elevation (ft NAVD88) (G4, G12)	Lab ID (G13)	Lab SDG (G13)	Date Collected (G14)	Sample Status (G15)	Sample Type (G16)	Validated (Y/N) (G17)	Matrix (G18)	Result (G19, G20)	Qualifier (G21, G22)	Specific Notes	
G24A	132-P3A-G24A	14.6	7.8	132-P3A-G24A-6.7-7.2	6.7 - 7.2 ft	7.9	7.4	JB32574-18R	JB32574R	03/27/2013	remaining	N	Y		4.0	J		
G24A	132-P3A-G24A	14.6	7.8	132-P3A-G24A-8.7-9.2	8.7 - 9.2 ft	5.9	5.4	JB32574-17	JB32574	03/27/2013	remaining	N	Y		< 0.15	UJ		
G24A	132-P3A-G24A	14.6	7.8	132-P3A-G24A-10.7-11.2	10.7 - 11.2 ft	3.9	3.4	JB32574-16R	JB32574R	03/27/2013	remaining	N	Y		< 0.30	UJ		
G24A	132-P3A-G24A	14.6	7.8	132-P3A-G24A-12.7-13.2	12.7 - 13.2 ft	1.9	1.4	JB32574-15	JB32574	03/27/2013	remaining	N	Y		0.40	J		
G24A	132-P3A-G24A	14.6	7.8	132-P3A-G24A-14.7-15.2	14.7 - 15.2 ft	-0.1	-0.6	JB32574-14	JB32574	03/27/2013	remaining	N	Y		0.94	J		
G24A	132-P3A-G24A	14.6	7.8	132-P3A-G24A-16.7-17.2	16.7 - 17.2 ft	-2.1	-2.6	JB32574-13R	JB32574R	03/27/2013	remaining	N	Y		< 0.38	UJ		
G24A	132-P3A-G24A	14.6	7.8	132-P3A-G24A-17.3-17.8	17.3 - 17.8 ft	-2.7	-3.2	JB32574-12	JB32574	03/27/2013	remaining	N	Y		0.25	J		
G24A	132-P3A-G24A	14.6	7.8	132-P3A-G24A-17.8-18.3	17.8 - 18.3 ft	-3.2	-3.7	JB32574-11R	JB32574R	03/27/2013	remaining	N	Y		1.5	J		
G25A	132-P3A-G25A	14.3	11.8	132-P3A-G25A-1.5-2.0	1.5 - 2.0 ft	12.8	12.3	JB59524-12T	JB59524T	02/10/2014	removed	N	Y		0.39	J	S10	
G25A	132-P3A-G25A	14.3	11.8	132-P3A-G25A-3.5-4.0	3.5 - 4.0 ft	10.8	10.3	JB59524-13T	JB59524T	02/10/2014	remaining	N	Y		0.47	J		
G25A	132-P3A-G25A	14.3	11.8	132-P3A-G25A-5.5-6.0	5.5 - 6.0 ft	8.8	8.3	JB59524-14	JB59524	02/10/2014	remaining	N	Y		0.77	J		
G25A	132-P3A-G25A	14.3	11.8	132-P3A-G25A-7.5-8.0	7.5 - 8.0 ft	6.8	6.3	JB59524-15T	JB59524T	02/10/2014	remaining	N	Y		1.1	J		
G25A	132-P3A-G25A	14.3	11.8	132-P3A-G25A-9.5-10.0	9.5 - 10.0 ft	4.8	4.3	JB59524-16	JB59524	02/10/2014	remaining	N	Y		1.1	J		
G25A	132-P3A-G25A	14.3	11.8	132-P3A-G25A-11.5-12.0	11.5 - 12.0 ft	2.8	2.3	JB59524-17T	JB59524T	02/10/2014	remaining	N	Y		0.21	J		
G25A	132-P3A-G25A	14.3	11.8	132-P3A-G25A-13.5-14.0	13.5 - 14.0 ft	0.8	0.3	JB59524-18	JB59524	02/10/2014	remaining	N	Y		0.14	J		
G25A	132-P3A-G25A	14.3	11.8	132-P3A-G25A-15.5-16.0	15.5 - 16.0 ft	-1.2	-1.7	JB59524-19	JB59524	02/10/2014	remaining	N	Y		0.35	J		
G25A	132-P3A-G25A	14.3	11.8	132-P3A-G25A-16.5-17.0	16.5 - 17.0 ft	-2.2	-2.7	JB59524-20	JB59524	02/10/2014	remaining	N	Y		< 0.081	UJ		
G25A	132-P3A-G25A	14.3	11.8	132-P3A-G25A-17.0-17.5	17.0 - 17.5 ft	-2.7	-3.2	JB59524-21T	JB59524T	02/10/2014	remaining	N	Y		2.6	J		
G26A	132-P3A-G26A	14.6	11.9	132-P3A-G26A-1.0-1.5	1.0 - 1.5 ft	13.6	13.1	JB59310-13	JB59310	02/06/2014	removed	N	Y		0.60	RA	S10	
G26A	132-P3A-G26A	14.6	11.9	132-P3A-G26A-3.0-3.5	3.0 - 3.5 ft	11.6	11.1	JB59310-14	JB59310	02/06/2014	remaining	N	Y		0.90	RA		
G26A	132-P3A-G26A	14.6	11.9	132-P3A-G26A-5.0-5.5	5.0 - 5.5 ft	9.6	9.1	JB59310-15R	JB59310R	02/06/2014	remaining	N	Y		0.42	RA		
G26A	132-P3A-G26A	14.6	11.9	132-P3A-G26A-7.0-7.5	7.0 - 7.5 ft	7.6	7.1	JB59310-16	JB59310	02/06/2014	remaining	N	Y		0.30	RA		
G26A	132-P3A-G26A	14.6	11.9	132-P3A-G26A-9.0-9.5	9.0 - 9.5 ft	5.6	5.1	JB59310-17	JB59310	02/06/2014	remaining	N	Y		0.19	RA		
G26A	132-P3A-G26A	14.6	11.9	132-P3A-G26A-11.0-11.5	11.0 - 11.5 ft	3.6	3.1	JB59310-18	JB59310	02/06/2014	remaining	N	Y		0.43	RA		
G26A	132-P3A-G26A	14.6	11.9	132-P3A-G26A-13.0-13.5	13.0 - 13.5 ft	1.6	1.1	JB59310-19	JB59310	02/06/2014	remaining	N	Y		< 0.11	RA		
G26A	132-P3A-G26A	14.6	11.9	132-P3A-G26A-15.0-15.5	15.0 - 15.5 ft	-0.4	-0.9	JB59310-20	JB59310	02/06/2014	remaining	N	Y		0.46	RA		
G26A	132-P3A-G26A	14.6	11.9	132-P3A-G26A-15.7-16.2	15.7 - 16.2 ft	-1.1	-1.6	JB59310-21T	JB59310T	02/06/2014	remaining	N	Y		0.42	RA		
G26A	132-P3A-G26A	14.6	11.9	132-P3A-G26A-16.2-16.7	16.2 - 16.7 ft	-1.6	-2.1	JB59310-22	JB59310	02/06/2014	remaining	N	Y		0.70	RA		
G27A	132-P3A-G27A	14.8	12.3	132-P3A-G27A-1.0-1.5	1.0 - 1.5 ft	13.8	13.3	JB59521-12	JB59521	02/10/2014	removed	N	Y		0.091	RA	S10	
G27A	132-P3A-G27A	14.8	12.3	132-P3A-G27A-3.0-3.5	3.0 - 3.5 ft	11.8	11.3	JB59521-19T	JB59521T	02/10/2014	remaining	N	Y		0.72	RA		
G27A	132-P3A-G27A	14.8	12.3	132-P3A-G27A-5.0-5.5	5.0 - 5.5 ft	9.8	9.3	JB59521-20	JB59521	02/10/2014	remaining	N	Y		1.0	RA		
G27A	132-P3A-G27A	14.8	12.3	132-P3A-G27A-7.0-7.5	7.0 - 7.5 ft	7.8	7.3	JB59521-21	JB59521	02/10/2014	remaining	N	Y		0.52	RA		
G27A	132-P3A-G27A	14.8	12.3	132-P3A-G27A-9.0-9.5	9.0 - 9.5 ft	5.8	5.3	JB59521-22	JB59521	02/10/2014	remaining	N	Y		0.57	RA		
G27A	132-P3A-G27A	14.8	12.3	132-P3A-G27A-11.0-11.5	11.0 - 11.5 ft	3.8	3.3	JB59521-13T	JB59521T	02/10/2014	remaining	N	Y		0.60	RA		
G27A	132-P3A-G27A	14.8	12.3	132-P3A-G27A-13.0-13.5	13.0 - 13.5 ft	1.8	1.3	JB59521-14	JB59521	02/10/2014	remaining	N	Y		0.42	RA		
G27A	132-P3A-G27A	14.8	12.3	132-P3A-G27A-15.0-15.5	15.0 - 15.5 ft	-0.2	-0.7	JB59521-15	JB59521	02/10/2014	remaining	N	Y		1.0	RA		
G27A	132-P3A-G27A	14.8	12.3	132-P3A-G27A-15.0-15.5X	15.0 - 15.5 ft	-0.2	-0.7	JB59521-16	JB59521	02/10/2014	remaining	FD	Y		1.2	RA		
G27A	132-P3A-G27A	14.8	12.3	132-P3A-G27A-17.0-17.5	17.0 - 17.5 ft	-2.2	-2.7	JB59521-17T	JB59521T	02/10/2014	remaining	N	Y		0.34	RA		
G27A	132-P3A-G27A	14.8	12.3	132-P3A-G27A-17.5-18.0	17.5 - 18.0 ft	-2.7	-3.2	JB59521-18	JB59521	02/10/2014	remaining	N	Y		4.5	RA		
G28A	132-P3A-G28A	14.7	12.3	132-P3A-G28A-1.0-1.5	1.0 - 1.5 ft	13.7	13.2	JB59310-23T	JB59310T	02/06/2014	removed	N	Y		2.3	RA	S10	
G28A	132-P3A-G28A	14.7	12.3	132-P3A-G28A-3.0-3.5	3.0 - 3.5 ft	11.7	11.2	JB59310-24	JB59310	02/06/2014	remaining	N	Y		0.18	RA		
G28A	132-P3A-G28A	14.7	12.3	132-P3A-G28A-5.0-5.5	5.0 - 5.5 ft	9.7	9.2	JB59310-25	JB59310	02/06/2014	remaining	N	Y		0.75	RA		

Table 5-1
Cr⁺⁶ Analytical Results for In-Place Soil Compared to Chromium Soil Cleanup Criterion
Site 132, Garfield Avenue Group
PPG, Jersey City, New Jersey

															Analyte CAS RN Units CrSCC	CHROMIUM (HEXAVALENT) 18540-29-9 mg/kg 20	
Grid ID (G1)	Location ID (G2)	Location Elevation (ft NAVD88) (G3, G4, G5)	As-built TEE (ft NAVD88) (G4, G6, G7, G8)	Sample ID (G9)	Depth Interval (ft bgs) (G10)	Sample Start Elevation (ft NAVD88) (G4, G7, G8, G11)	Sample End Elevation (ft NAVD88) (G4, G12)	Lab ID (G13)	Lab SDG (G13)	Date Collected (G14)	Sample Status (G15)	Sample Type (G16)	Validated (Y/N) (G17)	Matrix (G18)	Result (G19, G20)	Qualifier (G21, G22)	Specific Notes
G28A	132-P3A-G28A	14.7	12.3	132-P3A-G28A-7.0-7.5	7.0 - 7.5 ft	7.7	7.2	JB59310-1	JB59310	02/06/2014	remaining	N	Y		0.13	RA	
G28A	132-P3A-G28A	14.7	12.3	132-P3A-G28A-9.0-9.5	9.0 - 9.5 ft	5.7	5.2	JB59310-2	JB59310	02/06/2014	remaining	N	Y		0.13	RA	
G28A	132-P3A-G28A	14.7	12.3	132-P3A-G28A-11.0-11.5	11.0 - 11.5 ft	3.7	3.2	JB59310-26	JB59310	02/06/2014	remaining	N	Y		0.20	RA	
G28A	132-P3A-G28A	14.7	12.3	132-P3A-G28A-13.0-13.5	13.0 - 13.5 ft	1.7	1.2	JB59310-27	JB59310	02/06/2014	remaining	N	Y		0.39	RA	
G28A	132-P3A-G28A	14.7	12.3	132-P3A-G28A-15.0-15.5	15.0 - 15.5 ft	-0.3	-0.8	JB59310-28	JB59310	02/06/2014	remaining	N	Y		0.52	RA	
G28A	132-P3A-G28A	14.7	12.3	132-P3A-G28A-16.5-17.0	16.5 - 17.0 ft	-1.8	-2.3	JB59310-29	JB59310	02/06/2014	remaining	N	Y		0.34	RA	
G28A	132-P3A-G28A	14.7	12.3	132-P3A-G28A-16.5-17.0X	16.5 - 17.0 ft	-1.8	-2.3	JB59310-31	JB59310	02/06/2014	remaining	FD	Y		0.31	RA	
G28A	132-P3A-G28A	14.7	12.3	132-P3A-G28A-17.0-17.5	17.0 - 17.5 ft	-2.3	-2.8	JB59310-30	JB59310	02/06/2014	remaining	N	Y		1.6	RA	
G29A	132-P3A-G29A	14.9	12.2	132-P3A-G29A-1.5-2.0	1.5 - 2.0 ft	13.4	12.9	JB59614-22	JB59614	02/11/2014	removed	N	Y		1.8	J	S10
G29A	132-P3A-G29A	14.9	12.2	132-P3A-G29A-3.5-4.0	3.5 - 4.0 ft	11.4	10.9	JB59614-23R	JB59614R	02/11/2014	remaining	N	Y		0.66	J	
G29A	132-P3A-G29A	14.9	12.2	132-P3A-G29A-5.5-6.0	5.5 - 6.0 ft	9.4	8.9	JB59614-24	JB59614	02/11/2014	remaining	N	Y		14.2	J	
G29A	132-P3A-G29A	14.9	12.2	132-P3A-G29A-7.5-8.0	7.5 - 8.0 ft	7.4	6.9	JB59614-25	JB59614	02/11/2014	remaining	N	Y		2.0	J	
G29A	132-P3A-G29A	14.9	12.2	132-P3A-G29A-9.5-10.0	9.5 - 10.0 ft	5.4	4.9	JB59614-26	JB59614	02/11/2014	remaining	N	Y		0.40	J	
G29A	132-P3A-G29A	14.9	12.2	132-P3A-G29A-11.5-12.0	11.5 - 12.0 ft	3.4	2.9	JB59614-27	JB59614	02/11/2014	remaining	N	Y		0.27	J	
G29A	132-P3A-G29A	14.9	12.2	132-P3A-G29A-13.5-14.0	13.5 - 14.0 ft	1.4	0.9	JB59614-28R	JB59614R	02/11/2014	remaining	N	Y		0.21	J	
G29A	132-P3A-G29A	14.9	12.2	132-P3A-G29A-15.5-16.0	15.5 - 16.0 ft	-0.6	-1.1	JB59614-29	JB59614	02/11/2014	remaining	N	Y		6.5	J	
G29A	132-P3A-G29A	14.9	12.2	132-P3A-G29A-17.7-18.2	17.7 - 18.2 ft	-2.8	-3.3	JB59614-32	JB59614	02/11/2014	remaining	N	Y		0.30	J	
G29A	132-P3A-G29A	14.9	12.2	132-P3A-G29A-18.2-18.7	18.2 - 18.7 ft	-3.3	-3.8	JB59614-30	JB59614	02/11/2014	remaining	N	Y		8.2	J	
G30A	132-P3A-G30A	13.7	12.4	132-P3A-G30A-1.0-1.5	1.0 - 1.5 ft	12.7	12.2	JB60185-1	JB60185	02/20/2014	remaining	N	Y		1.0	J	
G30A	132-P3A-G30A	13.7	12.4	132-P3A-G30A-3.0-3.5	3.0 - 3.5 ft	10.7	10.2	JB60185-2R	JB60185R	02/20/2014	remaining	N	Y		1.5	J	
G30A	132-P3A-G30A	13.7	12.4	132-P3A-G30A-5.0-5.5	5.0 - 5.5 ft	8.7	8.2	JB60185-3	JB60185	02/20/2014	remaining	N	Y		1.4	J	
G30A	132-P3A-G30A	13.7	12.4	132-P3A-G30A-7.0-7.5	7.0 - 7.5 ft	6.7	6.2	JB60185-4	JB60185	02/20/2014	remaining	N	Y		0.61	J	
G30A	132-P3A-G30A	13.7	12.4	132-P3A-G30A-9.0-9.5	9.0 - 9.5 ft	4.7	4.2	JB60185-5R	JB60185R	02/20/2014	remaining	N	Y		0.26	J	
G30A	132-P3A-G30A	13.7	12.4	132-P3A-G30A-11.0-11.5	11.0 - 11.5 ft	2.7	2.2	JB60185-6R	JB60185R	02/20/2014	remaining	N	Y		0.21	J	
G30A	132-P3A-G30A	13.7	12.4	132-P3A-G30A-13.0-13.5	13.0 - 13.5 ft	0.7	0.2	JB60185-7R	JB60185R	02/20/2014	remaining	N	Y		0.17	J	
G30A	132-P3A-G30A	13.7	12.4	132-P3A-G30A-15.0-15.5	15.0 - 15.5 ft	-1.3	-1.8	JB60185-8	JB60185	02/20/2014	remaining	N	Y		2.0	J	
G30A	132-P3A-G30A	13.7	12.4	132-P3A-G30A-17.0-17.5	17.0 - 17.5 ft	-3.3	-3.8	JB60185-9	JB60185	02/20/2014	remaining	N	Y		0.29	J	
G30A	132-P3A-G30A	13.7	12.4	132-P3A-G30A-17.5-18.0	17.5 - 18.0 ft	-3.8	-4.3	JB60185-10	JB60185	02/20/2014	remaining	N	Y		3.6	J	
G30A	EF-52	13.5	12.4	EF-B52-2.0	2.0 - 2.5 ft	11.5	11.0	460-26847-15	460268471	05/24/2011	remaining	N	Y		1.9	J	
G30A	EF-52	13.5	12.4	EF-B52-5.0	5.0 - 5.5 ft	8.5	8.0	460-26847-25	460268471	05/24/2011	remaining	N	Y		< 0.77	U	
G30A	EF-52	13.5	12.4	EF-B52-10.5	10.5 - 11.0 ft	3.0	2.5	460-26847-26	460268471	05/24/2011	remaining	N	Y		< 0.77	UJ	
G30A	EF-52	13.5	12.4	EF-B52-16.0	16.0 - 16.5 ft	-2.5	-3.0	460-26847-27	460268471	05/24/2011	remaining	N	Y		< 0.86	UJ	
G30A	EF-52	13.5	12.4	EF-B52-21.0	21.0 - 21.5 ft	-7.5	-8.0	460-26847-28	460268471	05/24/2011	remaining	N	Y		< 0.55	UJ	
G30A	EF-52	13.5	12.4	EF-B52-21.0X	21.0 - 21.5 ft	-7.5	-8.0	460-26847-9	460268471	05/24/2011	remaining	FD	Y		< 0.56	U	
H15A	132-P3A-H15A	12.7	2.7	132-P3A-H15A-10.0-10.5	10.0 - 10.5 ft	2.7	2.2	JB34144-11	JB34144	04/12/2013	remaining	N	Y		1.0	J	S13
H15A	132-P3A-H15A	12.7	2.7	132-P3A-H15A-12.0-12.5	12.0 - 12.5 ft	0.7	0.2	JB34144-10R	JB34144R	04/12/2013	remaining	N	Y		17.2	J	S13
H15A	132-P3A-H15A	12.7	2.7	132-P3A-H15A-14.1-14.6	14.1 - 14.6 ft	-1.4	-1.9	JB34144-9	JB34144	04/12/2013	remaining	N	Y		1.1	J	S13
H15A	132-P3A-H15A	12.7	2.7	132-P3A-H15A-14.6-15.1	14.6 - 15.1 ft	-1.9	-2.4	JB34144-7	JB34144	04/12/2013	remaining	N	Y		0.91	J	S13
H15A	132-P3A-H15A	12.7	2.7	132-P3A-H15A-14.6-15.1X	14.6 - 15.1 ft	-1.9	-2.4	JB34144-8	JB34144	04/12/2013	remaining	FD	Y		0.59	J	S13
H16A	132-H16A-PB	13.3	-3.1	132-H16A-PB-16.3-16.8	16.3 - 16.8 ft	-3.0	-3.5	JB72825-2	JB72825	07/29/2014	remaining	N	Y		3.0	RA	
H16A	132-P3A-H16A	13.3	-3.1	132-P3A-H16A-18.3-18.8	18.3 - 18.8 ft	-5.0	-5.5	JB35331-16	JB35331	04/25/2013	remaining	N	Y		2.9	J	
H16A	132-P3A-H16A	13.3	-3.1	132-P3A-H16A-18.8-19.3	18.8 - 19.3 ft	-5.5	-6.0	JB35331-17	JB35331	04/25/2013	remaining	N	Y		10.2	J	

Table 5-1
Cr⁺⁶ Analytical Results for In-Place Soil Compared to Chromium Soil Cleanup Criterion
Site 132, Garfield Avenue Group
PPG, Jersey City, New Jersey

															Analyte CAS RN Units CrSCC	CHROMIUM (HEXAVALENT) 18540-29-9 mg/kg 20	
Grid ID (G1)	Location ID (G2)	Location Elevation (ft NAVD88) (G3, G4, G5)	As-built TEE (ft NAVD88) (G4, G6, G7, G8)	Sample ID (G9)	Depth Interval (ft bgs) (G10)	Sample Start Elevation (ft NAVD88) (G4, G7, G8, G11)	Sample End Elevation (ft NAVD88) (G4, G12)	Lab ID (G13)	Lab SDG (G13)	Date Collected (G14)	Sample Status (G15)	Sample Type (G16)	Validated (Y/N) (G17)	Matrix (G18)	Result (G19, G20)	Qualifier (G21, G22)	Specific Notes
H16A	EF-63	13.3	-3.1	EF-B63-16.0	16.0 - 16.5 ft	-2.7	-3.2	460-27119-22	460271191	06/01/2011	remaining	N	Y		12.4	J	
H17A	132-P3A-H17A	14.2	5.3	132-P3A-H17A-8.5-9.0	8.5 - 9.0 ft	5.7	5.2	JB35331-5	JB35331	04/25/2013	remaining	N	Y		< 0.16	UJ	
H17A	132-P3A-H17A	14.2	5.3	132-P3A-H17A-10.5-11.0	10.5 - 11.0 ft	3.7	3.2	JB35331-6	JB35331	04/25/2013	remaining	N	Y		< 0.19	UJ	
H17A	132-P3A-H17A	14.2	5.3	132-P3A-H17A-12.5-13.0	12.5 - 13.0 ft	1.7	1.2	JB35331-7	JB35331	04/25/2013	remaining	N	Y		0.43	J	
H17A	132-P3A-H17A	14.2	5.3	132-P3A-H17A-14.5-15.0	14.5 - 15.0 ft	-0.3	-0.8	JB35331-8	JB35331	04/25/2013	remaining	N	Y		0.35	J	
H17A	132-P3A-H17A	14.2	5.3	132-P3A-H17A-16.3-16.8	16.3 - 16.8 ft	-2.1	-2.6	JB35331-9	JB35331	04/25/2013	remaining	N	Y		< 0.21	UJ	
H17A	132-P3A-H17A	14.2	5.3	132-P3A-H17A-16.8-17.3	16.8 - 17.3 ft	-2.6	-3.1	JB35331-10	JB35331	04/25/2013	remaining	N	Y		2.2	J	
H18A	132-P3A-H18A	14.1	-2.4	132-P3A-H18A-16.5-17.0	16.5 - 17.0 ft	-2.4	-2.9	JB35203-2	JB35203	04/24/2013	remaining	N	Y		0.81	J	
H19A	132-P3A-H19A	14.1	-2.3	132-P3A-H19A-16.0-16.5	16.0 - 16.5 ft	-1.9	-2.4	JB35203-11	JB35203	04/24/2013	removed	N	Y	FILL (FILL)	70.3	J	S16
H19A	132-P3A-H19A	14.1	-2.3	132-P3A-H19A-16.0-16.5X	16.0 - 16.5 ft	-1.9	-2.4	JB35203-10R	JB35203R	04/24/2013	removed	FD	Y	FILL (FILL)	90.7	J	S16
H19A	132-P3A-H19A	14.1	-2.3	132-P3A-H19A-16.5-17.0	16.5 - 17.0 ft	-2.4	-2.9	JB35203-9R	JB35203R	04/24/2013	remaining	N	Y		1.1	J	
H19A	OSB-11	14.2	-2.3	OSB11J 16.7-17.1 805051	16.7 - 17.1 ft	-2.5	-2.9	805051	C609	02/02/2007	remaining	N	Y	MM (PT)	< 4.26	UJ	S16
H19A	OSB-11	14.2	-2.3	OSB11K 20.7-21.2 805052	20.7 - 21.2 ft	-6.5	-7.0	805052	C609	02/02/2007	remaining	N	Y		< 2.38	UJ	
H20A	132-P3A-H20A	12.8	6.1	132-P3A-H20A-6.5-7.0	6.5 - 7.0 ft	6.3	5.8	JB27720-3R	JB27720R	01/31/2013	remaining	N	Y		< 0.14	UJ	
H20A	132-P3A-H20A	12.8	6.1	132-P3A-H20A-8.5-9.0	8.5 - 9.0 ft	4.3	3.8	JB27821-2R	JB27821R	02/01/2013	remaining	N	Y		< 0.27	RA	
H20A	132-P3A-H20A	12.8	6.1	132-P3A-H20A-8.5-9.0X	8.5 - 9.0 ft	4.3	3.8	JB27821-3R	JB27821R	02/01/2013	remaining	FD	Y		0.69	RA	
H20A	132-P3A-H20A	12.8	6.1	132-P3A-H20A-10.5-11.0	10.5 - 11.0 ft	2.3	1.8	JB35480-22	JB35480	04/26/2013	remaining	N	Y		< 0.18	UJ	
H20A	132-P3A-H20A	12.8	6.1	132-P3A-H20A-12.0-12.5	12.0 - 12.5 ft	0.8	0.3	JB27821-1	JB27821	02/01/2013	remaining	N	Y		< 0.17	RA	
H20A	132-P3A-H20A	12.8	6.1	132-P3A-H20A-14.0-14.5	14.0 - 14.5 ft	-1.2	-1.7	JB27821-4	JB27821	02/01/2013	remaining	N	Y		0.46	RA	
H20A	132-P3A-H20A	12.8	6.1	132-P3A-H20A-14.5-15.0	14.5 - 15.0 ft	-1.7	-2.2	JB27821-5R	JB27821R	02/01/2013	remaining	N	Y		2.5	RA	
H20A	132-P3A-H20A	12.8	6.1	132-P3A-H20A-18.5-19.0	18.5 - 19.0 ft	-5.7	-6.2	JB27720-2R	JB27720R	01/31/2013	remaining	N	Y		0.15	J	
H21A	132-P3A-H21A	11.6	6.5	132-P3A-H21A-5.0-5.5	5.0 - 5.5 ft	6.6	6.1	JB45356-24T	JB45356T	08/21/2013	remaining	N	Y		1.4	RA	
H21A	132-P3A-H21A	11.6	6.5	132-P3A-H21A-7.0-7.5	7.0 - 7.5 ft	4.6	4.1	JB45356-25T	JB45356T	08/21/2013	remaining	N	Y		0.85	RA	
H21A	132-P3A-H21A	11.6	6.5	132-P3A-H21A-8.7-9.2	8.7 - 9.2 ft	2.9	2.4	JB45356-26	JB45356	08/21/2013	remaining	N	Y		0.71	RA	
H21A	132-P3A-H21A	11.6	6.5	132-P3A-H21A-10.7-11.2	10.7 - 11.2 ft	0.9	0.4	JB45356-27T	JB45356T	08/21/2013	remaining	N	Y		0.30	RA	
H21A	132-P3A-H21A	11.6	6.5	132-P3A-H21A-12.7-13.2	12.7 - 13.2 ft	-1.1	-1.6	JB45356-28	JB45356	08/21/2013	remaining	N	Y		0.53	RA	
H21A	132-P3A-H21A	11.6	6.5	132-P3A-H21A-14.0-14.5	14.0 - 14.5 ft	-2.4	-2.9	JB45356-29	JB45356	08/21/2013	remaining	N	Y		0.65	RA	
H21A	132-P3A-H21A	11.6	6.5	132-P3A-H21A-15.0-15.5	15.0 - 15.5 ft	-3.4	-3.9	JB45356-30T	JB45356T	08/21/2013	remaining	N	Y		0.41	RA	
H21A	132-P3A-H21A	11.6	6.5	132-P3A-H21A-15.5-16.0	15.5 - 16.0 ft	-3.9	-4.4	JB45356-32	JB45356	08/21/2013	remaining	N	Y		2.6	RA	
H22A	132-P3A-H22A	11.3	6.9	132-P3A-H22A-2.5-3.0	2.5 - 3.0 ft	8.8	8.3	JB35060-2R	JB35060R	04/23/2013	removed	N	Y		0.56	J	S17
H22A	132-P3A-H22A	11.3	6.9	132-P3A-H22A-2.5-3.0X	2.5 - 3.0 ft	8.8	8.3	JB35060-3	JB35060	04/23/2013	removed	FD	Y		0.72	J	S17
H22A	132-P3A-H22A	11.3	6.9	132-P3A-H22A-4.5-5.0	4.5 - 5.0 ft	6.8	6.3	JB35060-4	JB35060	04/23/2013	remaining	N	Y		0.58	J	S17
H22A	132-P3A-H22A	11.3	6.9	132-P3A-H22A-6.5-7.0	6.5 - 7.0 ft	4.8	4.3	JB35060-5	JB35060	04/23/2013	remaining	N	Y		0.45	J	
H22A	132-P3A-H22A	11.3	6.9	132-P3A-H22A-8.5-9.0	8.5 - 9.0 ft	2.8	2.3	JB35060-6	JB35060	04/23/2013	remaining	N	Y		0.28	J	
H22A	132-P3A-H22A	11.3	6.9	132-P3A-H22A-10.5-11.0	10.5 - 11.0 ft	0.8	0.3	JB35060-7	JB35060	04/23/2013	remaining	N	Y		0.25	J	
H22A	132-P3A-H22A	11.3	6.9	132-P3A-H22A-12.5-13.0	12.5 - 13.0 ft	-1.3	-1.8	JB35060-8R	JB35060R	04/23/2013	remaining	N	Y		1.0	J	
H22A	132-P3A-H22A	11.3	6.9	132-P3A-H22A-13.0-13.5	13.0 - 13.5 ft	-1.8	-2.3	JB35060-9R	JB35060R	04/23/2013	remaining	N	Y		0.68	J	
H23A	132-H23A-PB	11.1	5.2	132-H23A-PB-6.0-6.5	6.0 - 6.5 ft	5.1	4.6	JB73578-1	JB73578	08/07/2014	remaining	N	Y		2.1	J	
H23A	132-P3A-H23A	11.1	5.2	132-P3A-H23A-6.5-7.0	6.5 - 7.0 ft	4.6	4.1	JB34656-4	JB34656	04/18/2013	remaining	N	Y		0.82	J	
H23A	132-P3A-H23A	11.1	5.2	132-P3A-H23A-8.5-9.0	8.5 - 9.0 ft	2.6	2.1	JB34656-5R	JB34656R	04/18/2013	remaining	N	Y		0.58	J	
H23A	132-P3A-H23A	11.1	5.2	132-P3A-H23A-10.5-11.0	10.5 - 11.0 ft	0.6	0.1	JB34656-6	JB34656	04/18/2013	remaining	N	Y		1.2	J	
H23A	132-P3A-H23A	11.1	5.2	132-P3A-H23A-12.5-13.0	12.5 - 13.0 ft	-1.4	-1.9	JB34656-7	JB34656	04/18/2013	remaining	N	Y		0.75	J	

Table 5-1
Cr⁺⁶ Analytical Results for In-Place Soil Compared to Chromium Soil Cleanup Criterion
Site 132, Garfield Avenue Group
PPG, Jersey City, New Jersey

															Analyte CAS RN Units CrSCC	CHROMIUM (HEXAVALENT) 18540-29-9 mg/kg 20	
Grid ID (G1)	Location ID (G2)	Location Elevation (ft NAVD88) (G3, G4, G5)	As-built TEE (ft NAVD88) (G4, G6, G7, G8)	Sample ID (G9)	Depth Interval (ft bgs) (G10)	Sample Start Elevation (ft NAVD88) (G4, G7, G8, G11)	Sample End Elevation (ft NAVD88) (G4, G12)	Lab ID (G13)	Lab SDG (G13)	Date Collected (G14)	Sample Status (G15)	Sample Type (G16)	Validated (Y/N) (G17)	Matrix (G18)	Result (G19, G20)	Qualifier (G21, G22)	Specific Notes
H23A	132-P3A-H23A	11.1	5.2	132-P3A-H23A-14.0-14.5	14.0 - 14.5 ft	-2.9	-3.4	JB34656-8	JB34656	04/18/2013	remaining	N	Y		1.8	J	
H23A	132-P3A-H23A	11.1	5.2	132-P3A-H23A-14.8-15.3	14.8 - 15.3 ft	-3.7	-4.2	JB34656-9R	JB34656R	04/18/2013	remaining	N	Y		< 0.18	UJ	
H23A	132-P3A-H23A	11.1	5.2	132-P3A-H23A-15.3-15.8	15.3 - 15.8 ft	-4.2	-4.7	JB34656-10	JB34656	04/18/2013	remaining	N	Y		3.4	J	
H24A	132-P3A-H24A	14.6	7.9	132-P3A-H24A-6.7-7.2	6.7 - 7.2 ft	7.9	7.4	JB32441-7	JB32441	03/26/2013	remaining	N	Y		0.97		
H24A	132-P3A-H24A	14.6	7.9	132-P3A-H24A-8.7-9.2	8.7 - 9.2 ft	5.9	5.4	JB32441-6	JB32441	03/26/2013	remaining	N	Y		0.18	J	
H24A	132-P3A-H24A	14.6	7.9	132-P3A-H24A-10.7-11.2	10.7 - 11.2 ft	3.9	3.4	JB32441-5	JB32441	03/26/2013	remaining	N	Y		< 0.16	U	
H24A	132-P3A-H24A	14.6	7.9	132-P3A-H24A-12.7-13.2	12.7 - 13.2 ft	1.9	1.4	JB32441-4	JB32441	03/26/2013	remaining	N	Y		< 0.16	U	
H24A	132-P3A-H24A	14.6	7.9	132-P3A-H24A-14.7-15.2	14.7 - 15.2 ft	-0.1	-0.6	JB32441-3	JB32441	03/26/2013	remaining	N	Y		1.7		
H24A	132-P3A-H24A	14.6	7.9	132-P3A-H24A-16.7-17.2	16.7 - 17.2 ft	-2.1	-2.6	JB32441-2	JB32441	03/26/2013	remaining	N	Y		0.33	J	
H24A	132-P3A-H24A	14.6	7.9	132-P3A-H24A-18.7-19.2	18.7 - 19.2 ft	-4.1	-4.6	JB32574-24	JB32574	03/27/2013	remaining	N	Y		0.59	J	
H24A	132-P3A-H24A	14.6	7.9	132-P3A-H24A-19.4-19.9	19.4 - 19.9 ft	-4.8	-5.3	JB32574-23	JB32574T	03/27/2013	remaining	N	Y		0.69	J	
H25A	132-P3A-H25A	14.0	11.6	132-P3A-H25A-2.5-3.0	2.5 - 3.0 ft	11.5	11.0	JB60307-14	JB60307	02/21/2014	remaining	N	Y		0.40	RA	
H25A	132-P3A-H25A	14.0	11.6	132-P3A-H25A-4.5-5.0	4.5 - 5.0 ft	9.5	9.0	JB60307-15R	JB60307R	02/21/2014	remaining	N	Y		1.2	RA	
H25A	132-P3A-H25A	14.0	11.6	132-P3A-H25A-6.5-7.0	6.5 - 7.0 ft	7.5	7.0	JB60307-17R	JB60307R	02/21/2014	remaining	N	Y		2.2	RA	
H25A	132-P3A-H25A	14.0	11.6	132-P3A-H25A-8.5-9.0	8.5 - 9.0 ft	5.5	5.0	JB60307-18	JB60307	02/21/2014	remaining	N	Y		0.48	RA	
H25A	132-P3A-H25A	14.0	11.6	132-P3A-H25A-10.5-11.0	10.5 - 11.0 ft	3.5	3.0	JB60307-20R	JB60307R	02/21/2014	remaining	N	Y		0.20	RA	
H25A	132-P3A-H25A	14.0	11.6	132-P3A-H25A-12.5-13.0	12.5 - 13.0 ft	1.5	1.0	JB60307-21R	JB60307R	02/21/2014	remaining	N	Y		2.1	RA	
H25A	132-P3A-H25A	14.0	11.6	132-P3A-H25A-12.5-13.0X	12.5 - 13.0 ft	1.5	1.0	JB60307-25R	JB60307R	02/21/2014	remaining	FD	Y		2.6	RA	
H25A	132-P3A-H25A	14.0	11.6	132-P3A-H25A-14.5-15.0	14.5 - 15.0 ft	-0.5	-1.0	JB60307-22R	JB60307R	02/21/2014	remaining	N	Y		1.5	RA	
H25A	132-P3A-H25A	14.0	11.6	132-P3A-H25A-15.5-16.0	15.5 - 16.0 ft	-1.5	-2.0	JB60307-23	JB60307	02/21/2014	remaining	N	Y		1.5	RA	
H25A	132-P3A-H25A	14.0	11.6	132-P3A-H25A-16.0-16.5	16.0 - 16.5 ft	-2.0	-2.5	JB60307-24	JB60307	02/21/2014	remaining	N	Y		0.84	RA	
H26A	132-P3A-H26A	14.5	12.2	132-P3A-H26A-1.0-1.5	1.0 - 1.5 ft	13.5	13.0	JB59524-1R	JB59524R	02/10/2014	removed	N	Y		2.6	J	S10
H26A	132-P3A-H26A	14.5	12.2	132-P3A-H26A-3.0-3.5	3.0 - 3.5 ft	11.5	11.0	JB59524-2R	JB59524R	02/10/2014	remaining	N	Y		5.9	J	
H26A	132-P3A-H26A	14.5	12.2	132-P3A-H26A-5.0-5.5	5.0 - 5.5 ft	9.5	9.0	JB59524-3R	JB59524R	02/10/2014	remaining	N	Y		0.95	J	
H26A	132-P3A-H26A	14.5	12.2	132-P3A-H26A-7.0-7.5	7.0 - 7.5 ft	7.5	7.0	JB59524-4	JB59524	02/10/2014	remaining	N	Y		0.39	J	
H26A	132-P3A-H26A	14.5	12.2	132-P3A-H26A-9.0-9.5	9.0 - 9.5 ft	5.5	5.0	JB59524-5	JB59524	02/10/2014	remaining	N	Y		0.17	J	
H26A	132-P3A-H26A	14.5	12.2	132-P3A-H26A-11.0-11.5	11.0 - 11.5 ft	3.5	3.0	JB59524-6	JB59524	02/10/2014	remaining	N	Y		0.35	J	
H26A	132-P3A-H26A	14.5	12.2	132-P3A-H26A-13.0-13.5	13.0 - 13.5 ft	1.5	1.0	JB59524-7	JB59524	02/10/2014	remaining	N	Y		0.20	J	
H26A	132-P3A-H26A	14.5	12.2	132-P3A-H26A-15.0-15.5	15.0 - 15.5 ft	-0.5	-1.0	JB59524-8	JB59524	02/10/2014	remaining	N	Y		0.41	J	
H26A	132-P3A-H26A	14.5	12.2	132-P3A-H26A-16.0-16.5	16.0 - 16.5 ft	-1.5	-2.0	JB59524-9R	JB59524R	02/10/2014	remaining	N	Y		0.43	J	
H26A	132-P3A-H26A	14.5	12.2	132-P3A-H26A-16.0-16.5X	16.0 - 16.5 ft	-1.5	-2.0	JB59524-10R	JB59524R	02/10/2014	remaining	FD	Y		0.42	J	
H26A	132-P3A-H26A	14.5	12.2	132-P3A-H26A-16.5-17.0	16.5 - 17.0 ft	-2.0	-2.5	JB59524-11R	JB59524R	02/10/2014	remaining	N	Y		2.5	J	
H27A	132-P3A-H27A	14.7	12.2	132-P3A-H27A-1.0-1.5	1.0 - 1.5 ft	13.7	13.2	JB59412-13R	JB59412R	02/07/2014	removed	N	Y		1.5	RA	S10
H27A	132-P3A-H27A	14.7	12.2	132-P3A-H27A-3.0-3.5	3.0 - 3.5 ft	11.7	11.2	JB59412-14	JB59412	02/07/2014	remaining	N	Y		0.65	RA	
H27A	132-P3A-H27A	14.7	12.2	132-P3A-H27A-5.0-5.5	5.0 - 5.5 ft	9.7	9.2	JB59412-15	JB59412	02/07/2014	remaining	N	Y		0.34	RA	
H27A	132-P3A-H27A	14.7	12.2	132-P3A-H27A-7.0-7.5	7.0 - 7.5 ft	7.7	7.2	JB59412-16	JB59412	02/07/2014	remaining	N	Y		0.42	RA	
H27A	132-P3A-H27A	14.7	12.2	132-P3A-H27A-9.0-9.5	9.0 - 9.5 ft	5.7	5.2	JB59412-17	JB59412	02/07/2014	remaining	N	Y		0.46	RA	
H27A	132-P3A-H27A	14.7	12.2	132-P3A-H27A-11.0-11.5	11.0 - 11.5 ft	3.7	3.2	JB59412-18	JB59412	02/07/2014	remaining	N	Y		0.47	RA	
H27A	132-P3A-H27A	14.7	12.2	132-P3A-H27A-13.0-13.5	13.0 - 13.5 ft	1.7	1.2	JB59412-19	JB59412	02/07/2014	remaining	N	Y		0.21	RA	
H27A	132-P3A-H27A	14.7	12.2	132-P3A-H27A-15.0-15.5	15.0 - 15.5 ft	-0.3	-0.8	JB59412-20	JB59412	02/07/2014	remaining	N	Y		0.31	RA	
H27A	132-P3A-H27A	14.7	12.2	132-P3A-H27A-17.0-17.5	17.0 - 17.5 ft	-2.3	-2.8	JB59412-21	JB59412	02/07/2014	remaining	N	Y		0.32	RA	
H27A	132-P3A-H27A	14.7	12.2	132-P3A-H27A-19.0-19.5	19.0 - 19.5 ft	-4.3	-4.8	JB59412-22R	JB59412R	02/07/2014	remaining	N	Y		0.55	RA	

Table 5-1
Cr⁺⁶ Analytical Results for In-Place Soil Compared to Chromium Soil Cleanup Criterion
Site 132, Garfield Avenue Group
PPG, Jersey City, New Jersey

															Analyte CAS RN Units CrSCC	CHROMIUM (HEXAVALENT) 18540-29-9 mg/kg 20	
Grid ID (G1)	Location ID (G2)	Location Elevation (ft NAVD88) (G3, G4, G5)	As-built TEE (ft NAVD88) (G4, G6, G7, G8)	Sample ID (G9)	Depth Interval (ft bgs) (G10)	Sample Start Elevation (ft NAVD88) (G4, G7, G8, G11)	Sample End Elevation (ft NAVD88) (G4, G12)	Lab ID (G13)	Lab SDG (G13)	Date Collected (G14)	Sample Status (G15)	Sample Type (G16)	Validated (Y/N) (G17)	Matrix (G18)	Result (G19, G20)	Qualifier (G21, G22)	Specific Notes
I18A	132-P3A-I18A	14.3	-2.3	132-P3A-I18A-7.0-7.5	7.0 - 7.5 ft	7.3	6.8	JB45717-18UR	JB45717UR	08/26/2013	removed	N	Y		0.11	J	S3, S18
I18A	132-P3A-I18A	14.3	-2.3	132-P3A-I18A-9.0-9.5	9.0 - 9.5 ft	5.3	4.8	JB45717-17	JB45717	08/26/2013	removed	N	Y		0.10	J	S3, S18
I18A	132-P3A-I18A	14.3	-2.3	132-P3A-I18A-11.0-11.5	11.0 - 11.5 ft	3.3	2.8	JB45717-16	JB45717	08/26/2013	removed	N	Y		< 0.090	UJ	S3, S18
I18A	132-P3A-I18A	14.3	-2.3	132-P3A-I18A-13.0-13.5	13.0 - 13.5 ft	1.3	0.8	JB45717-15	JB45717	08/26/2013	removed	N	Y		0.58	J	S3, S18
I18A	132-P3A-I18A	14.3	-2.3	132-P3A-I18A-15.0-15.5	15.0 - 15.5 ft	-0.7	-1.2	JB45717-14	JB45717	08/26/2013	removed	N	Y		0.31	J	S3, S18
I18A	132-P3A-I18A	14.3	-2.3	132-P3A-I18A-15.5-16.0	15.5 - 16.0 ft	-1.2	-1.7	JB45717-13	JB45717	08/26/2013	removed	N	Y		0.28	J	S3, S18
I18A	132-P3A-I18A	14.3	-2.3	132-P3A-I18A-16.0-16.5	16.0 - 16.5 ft	-1.7	-2.2	JB45717-12	JB45717	08/26/2013	removed	N	Y		3.3	J	S3, S18
I19A	132-I19A-PB	14.0	-3.8	132-I19A-PB-17.8-18.3	17.8 - 18.3 ft	-3.8	-4.3	JB73660-2R	JB73660R	08/08/2014	remaining	N	Y		3.5	RA	S3, S19
I19A	132-P3A-I19A	14.0	6.5	132-P3A-I19A-7.0-7.5	7.0 - 7.5 ft	7.0	6.5	JB45717-9UR	JB45717UR	08/26/2013	removed	N	Y		0.86	J	S3, S19
I19A	132-P3A-I19A	14.0	6.5	132-P3A-I19A-9.0-9.5	9.0 - 9.5 ft	5.0	4.5	JB45717-8R	JB45717R	08/26/2013	remaining	N	Y		< 0.070	RA	S3
I19A	132-P3A-I19A	14.0	6.5	132-P3A-I19A-9.0-9.5X	9.0 - 9.5 ft	5.0	4.5	JB45717-7R	JB45717R	08/26/2013	remaining	FD	Y		0.47	RA	S3
I19A	132-P3A-I19A	14.0	6.5	132-P3A-I19A-11.0-11.5	11.0 - 11.5 ft	3.0	2.5	JB45717-6	JB45717	08/26/2013	remaining	N	Y		0.63	RA	S3
I19A	132-P3A-I19A	14.0	6.5	132-P3A-I19A-13.0-13.5	13.0 - 13.5 ft	1.0	0.5	JB45717-5R	JB45717R	08/26/2013	remaining	N	Y		0.41	RA	S3
I19A	132-P3A-I19A	14.0	6.5	132-P3A-I19A-15.0-15.5	15.0 - 15.5 ft	-1.0	-1.5	JB45717-4R	JB45717R	08/26/2013	remaining	N	Y		< 0.072	RA	S3
I19A	132-P3A-I19A	14.0	6.5	132-P3A-I19A-15.6-16.1	15.6 - 16.1 ft	-1.6	-2.1	JB45717-3	JB45717	08/26/2013	remaining	N	Y		0.12	RA	S3
I19A	132-P3A-I19A	14.0	6.5	132-P3A-I19A-16.1-16.6	16.1 - 16.6 ft	-2.1	-2.6	JB45717-2	JB45717	08/26/2013	remaining	N	Y		2.3	RA	S3
I20A	132-P3A-I20A	12.7	6.3	132-P3A-I20A-6.5-7.0	6.5 - 7.0 ft	6.2	5.7	JB27821-9R	JB27821R	02/01/2013	remaining	N	Y		0.53	RA	
I20A	132-P3A-I20A	12.7	6.3	132-P3A-I20A-8.5-9.0	8.5 - 9.0 ft	4.2	3.7	JB27821-10	JB27821	02/01/2013	remaining	N	Y		0.15	RA	
I20A	132-P3A-I20A	12.7	6.3	132-P3A-I20A-10.5-11.0	10.5 - 11.0 ft	2.2	1.7	JB27821-11	JB27821	02/01/2013	remaining	N	Y		< 0.15	RA	
I20A	132-P3A-I20A	12.7	6.3	132-P3A-I20A-12.0-12.5	12.0 - 12.5 ft	0.7	0.2	JB35480-23	JB35480	04/26/2013	remaining	N	Y		< 0.17	UJ	
I20A	132-P3A-I20A	12.7	6.3	132-P3A-I20A-14.3-14.8	14.3 - 14.8 ft	-1.6	-2.1	JB27821-12	JB27821	02/01/2013	remaining	N	Y		< 0.29	RA	
I20A	132-P3A-I20A	12.7	6.3	132-P3A-I20A-15.0-15.5	15.0 - 15.5 ft	-2.3	-2.8	JB27821-13	JB27821	02/01/2013	remaining	N	Y		0.70	RA	
I20A	132-P3A-I20A	12.7	6.3	132-P3A-I20A-15.5-16.0	15.5 - 16.0 ft	-2.8	-3.3	JB27821-14R	JB27821R	02/01/2013	remaining	N	Y		3.1	RA	
I21A	132-P3A-I21A	11.7	7.3	132-P3A-I21A-2.5-3.0	2.5 - 3.0 ft	9.2	8.7	JB35199-1R	JB35199R	04/24/2013	removed	N	Y		0.63	J	S20
I21A	132-P3A-I21A	11.7	7.3	132-P3A-I21A-4.5-5.0	4.5 - 5.0 ft	7.2	6.7	JB35332-1	JB35332	04/25/2013	remaining	N	Y		1.1	RA	S20, S21
I21A	132-P3A-I21A	11.7	7.3	132-P3A-I21A-6.5-7.0	6.5 - 7.0 ft	5.2	4.7	JB35332-2	JB35332	04/25/2013	remaining	N	Y		< 0.14	RA	
I21A	132-P3A-I21A	11.7	7.3	132-P3A-I21A-6.5-7.0X	6.5 - 7.0 ft	5.2	4.7	JB35332-3	JB35332	04/25/2013	remaining	FD	Y		4.3	RA	
I21A	132-P3A-I21A	11.7	7.3	132-P3A-I21A-8.5-9.0	8.5 - 9.0 ft	3.2	2.7	JB35332-4	JB35332	04/25/2013	remaining	N	Y		< 0.15	RA	
I21A	132-P3A-I21A	11.7	7.3	132-P3A-I21A-10.5-11.0	10.5 - 11.0 ft	1.2	0.7	JB35332-5	JB35332	04/25/2013	remaining	N	Y		1.8	RA	
I21A	132-P3A-I21A	11.7	7.3	132-P3A-I21A-12.5-13.0	12.5 - 13.0 ft	-0.8	-1.3	JB35332-6	JB35332	04/25/2013	remaining	N	Y		0.75	RA	
I21A	132-P3A-I21A	11.7	7.3	132-P3A-I21A-13.8-14.3	13.8 - 14.3 ft	-2.1	-2.6	JB35332-7R	JB35332R	04/25/2013	remaining	N	Y		2.9	RA	
I21A	132-P3A-I21A	11.7	7.3	132-P3A-I21A-14.3-14.8	14.3 - 14.8 ft	-2.6	-3.1	JB35332-8	JB35332	04/25/2013	remaining	N	Y		2.3	RA	
I22A	132-P3A-I22A	11.2	7.0	132-P3A-I22A-2.5-3.0	2.5 - 3.0 ft	8.7	8.2	JB38150-13	JB38150	05/28/2013	removed	N	Y		0.16	RA	S21
I22A	132-P3A-I22A	11.2	7.0	132-P3A-I22A-4.5-5.0	4.5 - 5.0 ft	6.7	6.2	JB38150-14	JB38150	05/28/2013	remaining	N	Y		0.11	RA	S21
I22A	132-P3A-I22A	11.2	7.0	132-P3A-I22A-6.5-7.0	6.5 - 7.0 ft	4.7	4.2	JB38150-15	JB38150	05/28/2013	remaining	N	Y		< 0.089	RA	
I22A	132-P3A-I22A	11.2	7.0	132-P3A-I22A-8.5-9.0	8.5 - 9.0 ft	2.7	2.2	JB38150-16R	JB38150R	05/28/2013	remaining	N	Y		< 0.26	RA	
I22A	132-P3A-I22A	11.2	7.0	132-P3A-I22A-10.5-11.0	10.5 - 11.0 ft	0.7	0.2	JB38150-17	JB38150	05/28/2013	remaining	N	Y		< 0.10	RA	
I22A	132-P3A-I22A	11.2	7.0	132-P3A-I22A-12.4-12.9	12.4 - 12.9 ft	-1.2	-1.7	JB38150-18	JB38150	05/28/2013	remaining	N	Y		0.11	RA	
I22A	132-P3A-I22A	11.2	7.0	132-P3A-I22A-12.9-13.4	12.9 - 13.4 ft	-1.7	-2.2	JB38150-19	JB38150	05/28/2013	remaining	N	Y		0.66	RA	
I22A	132-P3A-I22A	11.2	7.0	132-P3A-I22A-13.4-13.9	13.4 - 13.9 ft	-2.2	-2.7	JB38150-20	JB38150	05/28/2013	remaining	N	Y		0.18	RA	
I23A	132-J23A-SW	13.7	4.4	132-J23A-SW-W-11.5-12.0	11.5 - 12.0 ft	2.2	1.7	JC55510-2R	JC55510R	11/15/2017	remaining	N	Y		0.24	RA	S15
I23A	132-J23A-SW	13.7	4.4	132-J23A-SW-W-13.5-14.0	13.5 - 14.0 ft	0.2	-0.3	JC55510-3R	JC55510R	11/15/2017	remaining	N	Y		0.28	RA	S15

Table 5-1
Cr⁺⁶ Analytical Results for In-Place Soil Compared to Chromium Soil Cleanup Criterion
Site 132, Garfield Avenue Group
PPG, Jersey City, New Jersey

															Analyte CAS RN Units CrSCC	CHROMIUM (HEXAVALENT) 18540-29-9 mg/kg 20	
Grid ID (G1)	Location ID (G2)	Location Elevation (ft NAVD88) (G3, G4, G5)	As-built TEE (ft NAVD88) (G4, G6, G7, G8)	Sample ID (G9)	Depth Interval (ft bgs) (G10)	Sample Start Elevation (ft NAVD88) (G4, G7, G8, G11)	Sample End Elevation (ft NAVD88) (G4, G12)	Lab ID (G13)	Lab SDG (G13)	Date Collected (G14)	Sample Status (G15)	Sample Type (G16)	Validated (Y/N) (G17)	Matrix (G18)	Result (G19, G20)	Qualifier (G21, G22)	Specific Notes
I23A	132-J23A-SW	13.7	4.4	132-J23A-SW-W-15.5-16.0	15.5 - 16.0 ft	-1.8	-2.3	JC55510-4	JC55510	11/15/2017	remaining	N	Y		< 0.65	RA	S15
I23A	132-J23A-SW	13.7	4.4	132-J23A-SW-W-17.2-17.7	17.2 - 17.7 ft	-3.6	-4.1	JC55510-5	JC55510	11/15/2017	remaining	N	Y		0.53	RA	S15
I23A	132-P3A-I23A	11.0	4.4	132-P3A-I23A-6.5-7.0	6.5 - 7.0 ft	4.5	4.0	JB33053-4R	JB33053R	04/02/2013	remaining	N	Y		0.74	J	
I23A	132-P3A-I23A	11.0	4.4	132-P3A-I23A-8.5-9.0	8.5 - 9.0 ft	2.5	2.0	JB33053-5R	JB33053R	04/02/2013	remaining	N	Y		< 0.14	UJ	
I23A	132-P3A-I23A	11.0	4.4	132-P3A-I23A-10.5-11.0	10.5 - 11.0 ft	0.5	0.0	JB33053-6R	JB33053R	04/02/2013	remaining	N	Y		< 0.19	UJ	
I23A	132-P3A-I23A	11.0	4.4	132-P3A-I23A-12.5-13.0	12.5 - 13.0 ft	-1.5	-2.0	JB33053-7R	JB33053R	04/02/2013	remaining	N	Y		0.26	J	
I23A	132-P3A-I23A	11.0	4.4	132-P3A-I23A-13.0-13.5	13.0 - 13.5 ft	-2.0	-2.5	JB33053-9R	JB33053R	04/02/2013	remaining	N	Y		< 0.17	UJ	
I23A	132-P3A-I23A	11.0	4.4	132-P3A-I23A-13.5-14.0	13.5 - 14.0 ft	-2.5	-3.0	JB33053-8R	JB33053R	04/02/2013	remaining	N	Y		0.31	J	
I24A	132-B7	13.1	7.1	132B7D_8.5-9.0_804676	8.5 - 9.0 ft	4.6	4.1	804676	C547	02/01/2007	remaining	N	Y		< 3.23	UJ	
I24A	132-B7	13.1	7.1	132B7E_12.0-12.5_804677	12.0 - 12.5 ft	1.1	0.6	804677	C547	02/01/2007	remaining	N	Y		< 2.42	UJ	
I24A	132-P3A-I24A	14.7	7.1	132-P3A-I24A-6.5-7.0	6.5 - 7.0 ft	8.2	7.7	JB38363-1	JB38363	05/30/2013	removed	N	Y		0.18	RA	S22
I24A	132-P3A-I24A	14.7	7.1	132-P3A-I24A-9.7-10.2	9.7 - 10.2 ft	5.0	4.5	JB32441-16	JB32441	03/26/2013	remaining	N	Y		< 0.15	U	S22
I24A	132-P3A-I24A	14.7	7.1	132-P3A-I24A-11.4-11.9	11.4 - 11.9 ft	3.3	2.8	JB32441-15	JB32441	03/26/2013	remaining	N	Y		< 0.15	U	
I24A	132-P3A-I24A	14.7	7.1	132-P3A-I24A-13.4-13.9	13.4 - 13.9 ft	1.3	0.8	JB32441-14	JB32441	03/26/2013	remaining	N	Y		< 0.15	U	
I24A	132-P3A-I24A	14.7	7.1	132-P3A-I24A-14.0-14.5	14.0 - 14.5 ft	0.7	0.2	JB34502-6	JB34502	04/17/2013	remaining	N	Y		< 0.21	RA	
I24A	132-P3A-I24A	14.7	7.1	132-P3A-I24A-16.0-16.5	16.0 - 16.5 ft	-1.3	-1.8	JB34502-7R	JB34502R	04/17/2013	remaining	N	Y		1.9	RA	
I24A	132-P3A-I24A	14.7	7.1	132-P3A-I24A-16.8-17.3	16.8 - 17.3 ft	-2.1	-2.6	JB32441-13	JB32441	03/26/2013	remaining	N	Y		< 0.18	U	
I24A	132-P3A-I24A	14.7	7.1	132-P3A-I24A-18.0-18.5	18.0 - 18.5 ft	-3.3	-3.8	JB34502-8	JB34502	04/17/2013	remaining	N	Y		< 0.17	RA	
I24A	132-P3A-I24A	14.7	7.1	132-P3A-I24A-18.7-19.2	18.7 - 19.2 ft	-4.0	-4.5	JB34502-9R	JB34502R	04/17/2013	remaining	N	Y		1.6	RA	
I24A	132-P3A-I24A	14.7	7.1	132-P3A-I24A-19.2-19.7	19.2 - 19.7 ft	-4.5	-5.0	JB32441-12	JB32441	03/26/2013	remaining	N	Y		0.91		
I24A	132-P3A-I24A	14.7	7.1	132-P3A-I24A-19.7-20.2	19.7 - 20.2 ft	-5.0	-5.5	JB32441-11	JB32441	03/26/2013	remaining	N	Y		< 0.31	UJ	
I25A	132-P3A-I25A	14.5	8.5	132-P3A-I25A-8.0-8.5	8.0 - 8.5 ft	6.5	6.0	JB32962-8R	JB32962R	04/01/2013	remaining	N	Y		0.45	J	
I25A	132-P3A-I25A	14.5	8.5	132-P3A-I25A-10.0-10.5	10.0 - 10.5 ft	4.5	4.0	JB32962-9	JB32962	04/01/2013	remaining	N	Y		< 0.18	UJ	
I25A	132-P3A-I25A	14.5	8.5	132-P3A-I25A-12.0-12.5	12.0 - 12.5 ft	2.5	2.0	JB32962-10R	JB32962R	04/01/2013	remaining	N	Y		0.19	J	
I25A	132-P3A-I25A	14.5	8.5	132-P3A-I25A-14.0-14.5	14.0 - 14.5 ft	0.5	0.0	JB33055-1R	JB33055R	04/02/2013	remaining	N	Y		< 0.15	UJ	
I25A	132-P3A-I25A	14.5	8.5	132-P3A-I25A-16.0-16.5	16.0 - 16.5 ft	-1.5	-2.0	JB33055-2R	JB33055R	04/02/2013	remaining	N	Y		0.17	J	
I25A	132-P3A-I25A	14.5	8.5	132-P3A-I25A-17.2-17.7	17.2 - 17.7 ft	-2.7	-3.2	JB33055-3	JB33055	04/02/2013	remaining	N	Y		0.75	J	
I25A	132-P3A-I25A	14.5	8.5	132-P3A-I25A-17.7-18.2	17.7 - 18.2 ft	-3.2	-3.7	JB33055-4	JB33055	04/02/2013	remaining	N	Y		3.3	J	
I25A	EF-87	14.5	8.5	EF-B87-6.0	6.0 - 6.5 ft	8.5	8.0	460-29852-2	460298521	08/11/2011	remaining	N	Y		< 0.59	UJ	
I25A	EF-87	14.5	8.5	EF-B87-10.0	10.0 - 10.5 ft	4.5	4.0	460-29852-3	460298521	08/11/2011	remaining	N	Y		< 0.60	UJ	
I25A	EF-87	14.5	8.5	EF-B87-10.0X	10.0 - 10.5 ft	4.5	4.0	460-29852-19	460298521	08/11/2011	remaining	FD	Y		1.0	J	
I25A	EF-87	14.5	8.5	EF-B87-12.0	12.0 - 12.5 ft	2.5	2.0	460-29852-4	460298521	08/11/2011	remaining	N	Y		< 0.60	UJ	
I25A	EF-87	14.5	8.5	EF-B87-15.0	15.0 - 15.5 ft	-0.5	-1.0	460-29852-5	460298521	08/11/2011	remaining	N	Y		< 0.63	UJ	
I25A	EF-87	14.5	8.5	EF-B87-20.0	20.0 - 20.5 ft	-5.5	-6.0	460-29852-6	460298521	08/11/2011	remaining	N	Y		< 0.62	UJ	
I25A	EF-87	14.5	8.5	EF-B87-22.0	22.0 - 22.5 ft	-7.5	-8.0	460-29852-7	460298521	08/11/2011	remaining	N	Y		< 0.58	UJ	
I26A	132-J26A-SW	14.7	8.0	132-J26A-SW-W-10.0-10.5	10.0 - 10.5 ft	4.7	4.2	JC55437-6R	JC55437R	11/14/2017	remaining	N	Y		0.66	J-	S15
I26A	132-J26A-SW	14.7	8.0	132-J26A-SW-W-10.0-10.5X	10.0 - 10.5 ft	4.7	4.2	JC55437-7	JC55437	11/14/2017	remaining	FD	Y		< 0.46	UJ	S15
I26A	132-J26A-SW	14.7	8.0	132-J26A-SW-W-12.0-12.5	12.0 - 12.5 ft	2.7	2.2	JC55437-8	JC55437	11/14/2017	remaining	N	Y		< 0.45	UJ	S15
I26A	132-J26A-SW	14.7	8.0	132-J26A-SW-W-14.0-14.5	14.0 - 14.5 ft	0.7	0.2	JC55437-9	JC55437	11/14/2017	remaining	N	Y		0.46	J	S15
I26A	132-J26A-SW	14.7	8.0	132-J26A-SW-W-16.0-16.5	16.0 - 16.5 ft	-1.3	-1.8	JC55437-10R	JC55437R	11/14/2017	remaining	N	Y		1.1	J-	S15
I26A	132-J26A-SW	14.7	8.0	132-J26A-SW-W-18.0-18.5	18.0 - 18.5 ft	-3.3	-3.8	JC55437-11	JC55437	11/14/2017	remaining	N	Y		0.85	J-	S15
I26A	132-P3A-I26A	14.7	8.0	132-P3A-I26A-6.5-7.0	6.5 - 7.0 ft	8.2	7.7	JB32963-6	JB32963	04/01/2013	remaining	N	Y		2.3		

Table 5-1
Cr⁺⁶ Analytical Results for In-Place Soil Compared to Chromium Soil Cleanup Criterion
Site 132, Garfield Avenue Group
PPG, Jersey City, New Jersey

															Analyte CAS RN Units CrSCC	CHROMIUM (HEXAVALENT) 18540-29-9 mg/kg 20	
Grid ID (G1)	Location ID (G2)	Location Elevation (ft NAVD88) (G3, G4, G5)	As-built TEE (ft NAVD88) (G4, G6, G7, G8)	Sample ID (G9)	Depth Interval (ft bgs) (G10)	Sample Start Elevation (ft NAVD88) (G4, G7, G8, G11)	Sample End Elevation (ft NAVD88) (G4, G12)	Lab ID (G13)	Lab SDG (G13)	Date Collected (G14)	Sample Status (G15)	Sample Type (G16)	Validated (Y/N) (G17)	Matrix (G18)	Result (G19, G20)	Qualifier (G21, G22)	Specific Notes
I26A	132-P3A-I26A	14.7	8.0	132-P3A-I26A-8.5-9.0	8.5 - 9.0 ft	6.2	5.7	JB32963-7	JB32963	04/01/2013	remaining	N	Y		< 0.14	U	
I26A	132-P3A-I26A	14.7	8.0	132-P3A-I26A-10.5-11.0	10.5 - 11.0 ft	4.2	3.7	JB33053-11R	JB33053R	04/02/2013	remaining	N	Y		0.35	J	
I26A	132-P3A-I26A	14.7	8.0	132-P3A-I26A-12.5-13.0	12.5 - 13.0 ft	2.2	1.7	JB33053-12R	JB33053R	04/02/2013	remaining	N	Y		0.16	J	
I26A	132-P3A-I26A	14.7	8.0	132-P3A-I26A-12.5-13.0X	12.5 - 13.0 ft	2.2	1.7	JB33053-13R	JB33053R	04/02/2013	remaining	FD	Y		0.53	J	
I26A	132-P3A-I26A	14.7	8.0	132-P3A-I26A-14.5-15.0	14.5 - 15.0 ft	0.2	-0.3	JB33053-14R	JB33053R	04/02/2013	remaining	N	Y		0.38	J	
I26A	132-P3A-I26A	14.7	8.0	132-P3A-I26A-16.5-17.0	16.5 - 17.0 ft	-1.8	-2.3	JB33053-15R	JB33053R	04/02/2013	remaining	N	Y		0.37	J	
I26A	132-P3A-I26A	14.7	8.0	132-P3A-I26A-18.6-19.1	18.6 - 19.1 ft	-3.9	-4.4	JB33053-16	JB33053	04/02/2013	remaining	N	Y		0.29	J	
I26A	132-P3A-I26A	14.7	8.0	132-P3A-I26A-19.1-19.6	19.1 - 19.6 ft	-4.4	-4.9	JB33053-17R	JB33053R	04/02/2013	remaining	N	Y		1.3	J	
I27A	132-B6	14.6	8.7	132B6E_ 9.1-9.8_ 804693	9.1 - 9.8 ft	5.5	4.8	804693	C547	02/01/2007	remaining	N	Y		< 2.46	U	
I27A	132-B6	14.6	8.7	132B6F_ 13.8-14.2_ 804694	13.8 - 14.2 ft	0.8	0.4	804694	C547	02/01/2007	remaining	N	Y		< 3.24	UJ	
I27A	132-B6	14.6	8.7	132B6G_ 16.4-16.8_ 804695	16.4 - 16.8 ft	-1.8	-2.2	804695	C547	02/01/2007	remaining	N	Y		< 3.39	UJ	
I27A	132-B6	14.6	8.7	132B6H_ 17.3-17.7_ 804696	17.3 - 17.7 ft	-2.7	-3.1	804696	C547	02/01/2007	remaining	N	Y		< 3.75	UJ	
I27A	132-B6	14.6	8.7	132B6I_ 21.4-21.7_ 804697	21.4 - 21.7 ft	-6.8	-7.1	804697	C547	02/01/2007	remaining	N	Y		< 3.66	UJ	
I27A	132-B6	14.6	8.7	132B6J_ 21.9-22.4_ 804698	21.9 - 22.4 ft	-7.3	-7.8	804698	C547	02/01/2007	remaining	N	Y		< 2.3	UJ	
I27A	132-I27A-PB	14.3	8.7	132-I27A-PB-5.2-5.7	5.2 - 5.7 ft	9.1	8.6	JB68319-3	JB68319	06/03/2014	remaining	N	Y		2.5	J	
I27A	132-I27A-PB	14.3	8.7	132-I27A-PB-5.2-5.7X	5.2 - 5.7 ft	9.1	8.6	JB68319-4	JB68319	06/03/2014	remaining	FD	Y		2.5	J	
I27A	EF-86	14.6	8.7	EF-B86-6.0	6.0 - 6.5 ft	8.6	8.1	460-29852-8	460298521	08/11/2011	remaining	N	Y		0.78	J	
I27A	EF-86	14.6	8.7	EF-B86-8.0	8.0 - 8.5 ft	6.6	6.1	460-29852-9	460298521	08/11/2011	remaining	N	Y		< 0.58	UJ	
I27A	EF-86	14.6	8.7	EF-B86-10.0	10.0 - 10.5 ft	4.6	4.1	460-29852-10	460298521	08/11/2011	remaining	N	Y		< 0.66	UJ	
I27A	EF-86	14.6	8.7	EF-B86-12.0	12.0 - 12.5 ft	2.6	2.1	460-29852-11	460298521	08/11/2011	remaining	N	Y		< 0.62	UJ	
I27A	EF-86	14.6	8.7	EF-B86-15.0	15.0 - 15.5 ft	-0.4	-0.9	460-29852-12	460298521	08/11/2011	remaining	N	Y		< 0.90	UJ	
I27A	EF-86	14.6	8.7	EF-B86-16.0	16.0 - 16.5 ft	-1.4	-1.9	460-29852-13	460298521	08/11/2011	remaining	N	Y		< 0.81	UJ	
I27A	EF-86	14.6	8.7	EF-B86-20.0	20.0 - 20.5 ft	-5.4	-5.9	460-29852-14	460298521	08/11/2011	remaining	N	Y		< 6.8	UJ	
I27A	EF-86	14.6	8.7	EF-B86-22.0	22.0 - 22.5 ft	-7.4	-7.9	460-29852-15	460298521	08/11/2011	remaining	N	Y		1.7	J	
I28A	132-P3A-I28A	14.6	7.9	132-P3A-I28A-6.5-7.0	6.5 - 7.0 ft	8.1	7.6	JB32963-11	JB32963	04/01/2013	remaining	N	Y		0.35	J	
I28A	132-P3A-I28A	14.6	7.9	132-P3A-I28A-8.5-9.0	8.5 - 9.0 ft	6.1	5.6	JB32963-12	JB32963	04/01/2013	remaining	N	Y		0.69	J	
I28A	132-P3A-I28A	14.6	7.9	132-P3A-I28A-10.5-11.0	10.5 - 11.0 ft	4.1	3.6	JB32963-14	JB32963	04/01/2013	remaining	N	Y		0.24	J	
I28A	132-P3A-I28A	14.6	7.9	132-P3A-I28A-12.5-13.0	12.5 - 13.0 ft	2.1	1.6	JB32963-13	JB32963	04/01/2013	remaining	N	Y		< 0.18	U	
I28A	132-P3A-I28A	14.6	7.9	132-P3A-I28A-14.5-15.0	14.5 - 15.0 ft	0.1	-0.4	JB32963-15	JB32963	04/01/2013	remaining	N	Y		< 0.18	U	
I28A	132-P3A-I28A	14.6	7.9	132-P3A-I28A-16.5-17.0	16.5 - 17.0 ft	-1.9	-2.4	JB32963-16	JB32963	04/01/2013	remaining	N	Y		< 0.14	U	
I28A	132-P3A-I28A	14.6	7.9	132-P3A-I28A-18.5-19.0	18.5 - 19.0 ft	-3.9	-4.4	JB32963-17	JB32963	04/01/2013	remaining	N	Y		< 0.17	U	
I28A	132-P3A-I28A	14.6	7.9	132-P3A-I28A-19.0-19.5	19.0 - 19.5 ft	-4.4	-4.9	JB32963-18	JB32963	04/01/2013	remaining	N	Y		0.72		
I29A	132-J29A-SW	14.7	5.8	132-J29A-SW-W-10.6-11.1	10.6 - 11.1 ft	4.1	3.6	JC55437-2R	JC55437R	11/14/2017	remaining	N	Y		0.65	J	S15
I29A	132-J29A-SW	14.7	5.8	132-J29A-SW-W-12.6-13.1	12.6 - 13.1 ft	2.1	1.6	JC55437-3	JC55437	11/14/2017	remaining	N	Y		< 0.63	UJ	S15
I29A	132-J29A-SW	14.7	5.8	132-J29A-SW-W-14.6-15.1	14.6 - 15.1 ft	0.1	-0.4	JC55437-4	JC55437	11/14/2017	remaining	N	Y		< 0.58	UJ	S15
I29A	132-J29A-SW	14.7	5.8	132-J29A-SW-W-16.6-17.1	16.6 - 17.1 ft	-1.9	-2.4	JC55437-5	JC55437	11/14/2017	remaining	N	Y		< 0.63	UJ	S15
I29A	132-P3A-I29A	14.4	5.8	132-P3A-I29A-8.5-9.0	8.5 - 9.0 ft	5.9	5.4	JB32963-22	JB32963	04/01/2013	remaining	N	Y		< 0.21	U	
I29A	132-P3A-I29A	14.4	5.8	132-P3A-I29A-10.2-10.7	10.2 - 10.7 ft	4.2	3.7	JB32963-23	JB32963	04/01/2013	remaining	N	Y		0.65	J	
I29A	132-P3A-I29A	14.4	5.8	132-P3A-I29A-12.5-13.0	12.5 - 13.0 ft	1.9	1.4	JB32963-24	JB32963	04/01/2013	remaining	N	Y		< 0.19	U	
I29A	132-P3A-I29A	14.4	5.8	132-P3A-I29A-14.5-15.0	14.5 - 15.0 ft	-0.1	-0.6	JB32963-25	JB32963	04/01/2013	remaining	N	Y		2.4	J	
I29A	132-P3A-I29A	14.4	5.8	132-P3A-I29A-16.3-16.8	16.3 - 16.8 ft	-1.9	-2.4	JB32963-26	JB32963	04/01/2013	remaining	N	Y		1.7		
I29A	132-P3A-I29A	14.4	5.8	132-P3A-I29A-16.8-17.3	16.8 - 17.3 ft	-2.4	-2.9	JB32963-27	JB32963	04/01/2013	remaining	N	Y		< 0.29	UJ	

Table 5-1
Cr⁺⁶ Analytical Results for In-Place Soil Compared to Chromium Soil Cleanup Criterion
Site 132, Garfield Avenue Group
PPG, Jersey City, New Jersey

															Analyte CAS RN Units CrSCC	CHROMIUM (HEXAVALENT) 18540-29-9 mg/kg 20		
Grid ID (G1)	Location ID (G2)	Location Elevation (ft NAVD88) (G3, G4, G5)	As-built TEE (ft NAVD88) (G4, G6, G7, G8)	Sample ID (G9)	Depth Interval (ft bgs) (G10)	Sample Start Elevation (ft NAVD88) (G4, G7, G8, G11)	Sample End Elevation (ft NAVD88) (G4, G12)	Lab ID (G13)	Lab SDG (G13)	Date Collected (G14)	Sample Status (G15)	Sample Type (G16)	Validated (Y/N) (G17)	Matrix (G18)	Result (G19, G20)	Qualifier (G21, G22)	Specific Notes	
I30A	132-B5	13.8	7.9	132B5C_8.0-8.6_804245	8.0 - 8.6 ft	5.8	5.2	804245	C482	01/31/2007	remaining	N	Y		< 2.84	UJ		
I30A	132-B5	13.8	7.9	132B5D_16.0-16.7_804246	16.0 - 16.7 ft	-2.2	-2.9	804246	C482	01/31/2007	remaining	N	Y		< 4.01	UJ		
I30A	132-B5	13.8	7.9	132B5E_16.7-17.4_804227	16.7 - 17.4 ft	-2.9	-3.6	804227	C482	01/31/2007	remaining	N	Y		< 2.33	UJ		
I30A	132-B5	13.8	7.9	132B5F_17.5-18.0_804228	17.5 - 18.0 ft	-3.7	-4.2	804228	C482	01/31/2007	remaining	N	Y		< 6.39	UJ		
I30A	132-B5	13.8	7.9	132B5G_21.3-21.7_804232	21.3 - 21.7 ft	-7.5	-7.9	804232	C482	01/31/2007	remaining	N	Y		< 12.5	UJ		
I30A	132-B5	13.8	7.9	132B5GD_21.3-21.7_804233	21.3 - 21.7 ft	-7.5	-7.9	804233	C482	01/31/2007	remaining	FD	Y		< 12.58	UJ		
I30A	132-B5	13.8	7.9	132B5H_21.9-22.4_804234	21.9 - 22.4 ft	-8.1	-8.6	804234	C482	01/31/2007	remaining	N	Y		< 2.46	UJ		
I30A	132-P3A-I30A	14.0	7.9	132-P3A-I30A-6.0-6.5	6.0 - 6.5 ft	8.0	7.5	JB32201-1	JB32201	03/22/2013	remaining	N	Y		0.82	RA		
I30A	132-P3A-I30A	14.0	7.9	132-P3A-I30A-8.5-9.0	8.5 - 9.0 ft	5.5	5.0	JB35608-1R	JB35608R	04/29/2013	remaining	N	Y		0.36	J		
I30A	132-P3A-I30A	14.0	7.9	132-P3A-I30A-10.0-10.5	10.0 - 10.5 ft	4.0	3.5	JB32201-8	JB32201	03/22/2013	remaining	N	Y		0.26	RA		
I30A	132-P3A-I30A	14.0	7.9	132-P3A-I30A-12.0-12.5	12.0 - 12.5 ft	2.0	1.5	JB32201-7	JB32201	03/22/2013	remaining	N	Y		0.42	RA		
I30A	132-P3A-I30A	14.0	7.9	132-P3A-I30A-14.0-14.5	14.0 - 14.5 ft	0.0	-0.5	JB32201-6	JB32201	03/22/2013	remaining	N	Y		2.1	RA		
I30A	132-P3A-I30A	14.0	7.9	132-P3A-I30A-16.0-16.5	16.0 - 16.5 ft	-2.0	-2.5	JB32201-5	JB32201	03/22/2013	remaining	N	Y		0.39	RA		
I30A	132-P3A-I30A	14.0	7.9	132-P3A-I30A-16.5-17.0	16.5 - 17.0 ft	-2.5	-3.0	JB32201-4	JB32201	03/22/2013	remaining	N	Y		0.23	RA		
I30A	132-P3A-I30A	14.0	7.9	132-P3A-I30A-17.0-17.5	17.0 - 17.5 ft	-3.0	-3.5	JB32201-3	JB32201	03/22/2013	remaining	N	Y		1.3	RA		
J15A	132-J15A-PB	12.5	-4.5	132-J15A-PB-17.0-17.5	17.0 - 17.5 ft	-4.5	-5.0	JB73088-1	JB73088	08/01/2014	remaining	N	Y		0.87	J		
J15A	132-P3A-J15A	12.5	-4.5	132-P3A-J15A-18.2-18.7	18.2 - 18.7 ft	-5.7	-6.2	JB33316-10	JB33316	04/04/2013	remaining	N	Y		0.27	J	S13	
J15A	132-P3A-J15A	12.5	-4.5	132-P3A-J15A-18.7-19.2	18.7 - 19.2 ft	-6.2	-6.7	JB33316-11	JB33316	04/04/2013	remaining	N	Y		0.64	J	S13	
J16A	132-J16A-PB	12.2	-4.2	132-J16A-PB-16.4-16.9	16.4 - 16.9 ft	-4.2	-4.7	JB73088-2	JB73088	08/01/2014	remaining	N	Y		2.2	J		
J17A	132-J17A-PB	12.7	-2.9	132-J17A-PB-15.6-16.1	15.6 - 16.1 ft	-2.9	-3.4	JB73088-3	JB73088	08/01/2014	remaining	N	Y		1.6	J		
J18A	132-J18A-PB	13.0	-3.3	132-J18A-PB-16.8-17.3	16.8 - 17.3 ft	-3.8	-4.3	JB73660-3R	JB73660R	08/08/2014	remaining	N	Y		3.8	RA		
J19A	132-J19A-PB	12.2	-3.5	132-J19A-PB-15.6-16.1	15.6 - 16.1 ft	-3.4	-3.9	JB73660-4R	JB73660R	08/08/2014	remaining	N	Y		3.6	RA		
J20A	132-P3A-J20A	12.8	-4.2	132-P3A-J20A-17.0-17.5	17.0 - 17.5 ft	-4.2	-4.7	JB27947-5R	JB27947R	02/04/2013	remaining	N	Y		6.0	RA		
J21A	132-J21A-PB	11.4	-5.0	132-J21A-PB-16.0-16.5	16.0 - 16.5 ft	-4.6	-5.1	JB73782-1R	JB73782R	08/11/2014	remaining	N	Y		0.70	J		
J22A	132-J22A-PB	10.7	-4.2	132-J22A-PB-14.9-15.4	14.9 - 15.4 ft	-4.2	-4.7	JB75481-2	JB75481	09/02/2014	remaining	N	Y		2.5	J		
J23A	132-J23A-PB	10.8	-4.0	132-J23A-PB-14.8-15.3	14.8 - 15.3 ft	-4.0	-4.5	JB75568-1	JB75568	09/03/2014	remaining	N	Y		1.9	J		
J24A	132-J24A-PB	14.7	-4.3	132-J24A-PB-19.0-19.5	19.0 - 19.5 ft	-4.3	-4.8	JB75568-6	JB75568	09/03/2014	remaining	N	Y		2.7	J		
J24A	132-P3A-J24A	14.7	-4.3	132-P3A-J24A-18.7-19.2	18.7 - 19.2 ft	-4.0	-4.5	JB32832-1	JB32832	03/29/2013	remaining	N	Y		7.3	J		
J24A	132-P3A-J24A	14.7	-4.3	132-P3A-J24A-19.2-19.7	19.2 - 19.7 ft	-4.5	-5.0	JB32832-2T	JB32832T	03/29/2013	remaining	N	Y		2.6	J		
J25A	132-J25A-PB2	14.6	-5.6	132-J25A-PB-20.0-20.5	20.0 - 20.5 ft	-5.4	-5.9	JB78948-1	JB78948	10/10/2014	remaining	N	Y		1.6	J		
J25A	EF-90	14.6	-5.6	EF-B90-20.0	20.0 - 20.5 ft	-5.4	-5.9	460-29596-19	460295961	08/04/2011	remaining	N	Y		< 0.67	U		
J25A	EF-90	14.6	-5.6	EF-B90-22.0	22.0 - 22.5 ft	-7.4	-7.9	460-29596-20	460295961	08/04/2011	remaining	N	Y		< 0.59	U		
J26A	132-J26A-PB3	14.6	-5.4	132-J26A-PB-20.0-20.5	20.0 - 20.5 ft	-5.4	-5.9	JB78948-2	JB78948	10/10/2014	remaining	N	Y		2.2	J		
J27A	132-J27A-PB	14.6	-4.0	132-J27A-PB-18.2-18.7	18.2 - 18.7 ft	-3.6	-4.1	JB70810-2	JB70810	07/02/2014	remaining	N	Y		1.7	RA		
J27A	132-J27A-PB2	14.6	-4.0	132-J27A-PB-18.9-19.4	18.9 - 19.4 ft	-4.3	-4.8	JB75662-6	JB75662	09/04/2014	remaining	N	Y		1.9	J		
J27A	132-P3A-MW104I	10.9	-4.0	132-P3A-MW104I-38.0-38.5	38.0 - 38.5 ft	-27.1	-27.6	JC3896-2	JC3896	09/03/2015	remaining	N	Y		< 0.23	UJ		
J27A	132-P3A-MW104I	10.9	-4.0	132-P3A-MW104I-38.0-38.5X	38.0 - 38.5 ft	-27.1	-27.6	JC3896-3	JC3896	09/03/2015	remaining	FD	Y		< 0.23	UJ		
J27A	132-P3A-MW104I	10.9	-4.0	132-P3A-MW104I-43.5-44.0	43.5 - 44.0 ft	-32.6	-33.1	JC3896-4	JC3896	09/03/2015	remaining	N	Y		< 0.23	UJ		
J27A	132-P3A-MW104I	10.9	-4.0	132-P3A-MW104I-47.5-48.0	47.5 - 48.0 ft	-36.6	-37.1	JC3896-5	JC3896	09/03/2015	remaining	N	Y		0.25	J		
J27A	EF-89	14.6	-4.0	EF-B89-20.0	20.0 - 20.5 ft	-5.4	-5.9	460-29596-11	460295961	08/04/2011	remaining	N	Y		< 0.69	U		
J27A	EF-89	14.6	-4.0	EF-B89-22.0	22.0 - 22.5 ft	-7.4	-7.9	460-29596-12	460295961	08/04/2011	remaining	N	Y		< 0.59	U		
J28A	132-J28A-PB	14.4	-1.5	132-J28A-PB-15.9-16.4	15.9 - 16.4 ft	-1.5	-2.0	JB75568-3	JB75568	09/03/2014	remaining	N	Y		0.70	J		

Table 5-1
Cr⁺⁶ Analytical Results for In-Place Soil Compared to Chromium Soil Cleanup Criterion
Site 132, Garfield Avenue Group
PPG, Jersey City, New Jersey

															Analyte CAS RN Units CrSCC	CHROMIUM (HEXVALENT) 18540-29-9 mg/kg 20		
Grid ID (G1)	Location ID (G2)	Location Elevation (ft NAVD88) (G3, G4, G5)	As-built TEE (ft NAVD88) (G4, G6, G7, G8)	Sample ID (G9)	Depth Interval (ft bgs) (G10)	Sample Start Elevation (ft NAVD88) (G4, G7, G8, G11)	Sample End Elevation (ft NAVD88) (G4, G12)	Lab ID (G13)	Lab SDG (G13)	Date Collected (G14)	Sample Status (G15)	Sample Type (G16)	Validated (Y/N) (G17)	Matrix (G18)	Result (G19, G20)	Qualifier (G21, G22)	Specific Notes	
J28A	132-P3A-J28A	14.4	-1.5	132-P3A-J28A-16.5-17.0	16.5 - 17.0 ft	-2.1	-2.6	JB32713-8R	JB32713R	03/28/2013	remaining	N	Y		4.7	J		
J28A	132-P3A-J28A	14.4	-1.5	132-P3A-J28A-17.0-17.5	17.0 - 17.5 ft	-2.6	-3.1	JB32713-9	JB32713	03/28/2013	remaining	N	Y		5.9	J		
J28A	132-P3A-J28A	14.4	-1.5	132-P3A-J28A-17.0-17.5X	17.0 - 17.5 ft	-2.6	-3.1	JB32713-10R	JB32713R	03/28/2013	remaining	FD	Y		3.9	J		
J29A	132-J29A-PB	14.9	-2.5	132-J29A-PB-17.4-17.9	17.4 - 17.9 ft	-2.5	-3.0	JB75568-2	JB75568	09/03/2014	remaining	N	Y		< 0.31	UJ		
J29A	132-P3A-J29A	14.3	-2.5	132-P3A-J29A-16.5-17.0	16.5 - 17.0 ft	-2.2	-2.7	JB32573-3R	JB32573R	03/27/2013	remaining	N	Y		7.1	RA		
J29A	EF-88	14.3	-2.5	EF-B88-20.0	20.0 - 20.5 ft	-5.7	-6.2	460-29532-22	460295321	08/03/2011	remaining	N	Y		< 0.66	U		
J29A	EF-88	14.3	-2.5	EF-B88-22.0	22.0 - 22.5 ft	-7.7	-8.2	460-29532-23	460295321	08/03/2011	remaining	N	Y		< 0.57	U		
J30A	132-J30A-PB-E	13.8	-1.6	132-J30A-PB-15.4-15.9	15.4 - 15.9 ft	-1.6	-2.1	JB75568-4	JB75568	09/03/2014	remaining	N	Y		< 0.25	UJ	S3	
J30A	132-J30A-PB-W	13.8	1.0	132-J30A-PB-12.8-13.3	12.8 - 13.3 ft	1.0	0.5	JB75568-7	JB75568	09/03/2014	remaining	N	Y		0.55	J	S3	
J30A	132-P3A-J30A	13.8	1.0	132-P3A-J30A-12.5-13.0	12.5 - 13.0 ft	1.3	0.8	JB32442-3	JB32442	03/26/2013	remaining	N	Y		1.1	RA	S3	
J30A	132-P3A-J30A	13.8	1.0	132-P3A-J30A-14.5-15.0	14.5 - 15.0 ft	-0.7	-1.2	JB32442-4R	JB32442R	03/26/2013	remaining	N	Y		3.7	RA	S3	
J30A	132-P3A-J30A	13.8	1.0	132-P3A-J30A-15.0-15.5	15.0 - 15.5 ft	-1.2	-1.7	JB32442-5	JB32442	03/26/2013	remaining	N	Y		0.26	RA	S3	
K15A	132-P3A-K15A	13.0	-5.2	132-P3A-K15A-18.5-19.0	18.5 - 19.0 ft	-5.5	-6.0	JB34144-3R	JB34144R	04/12/2013	remaining	N	Y		17.0	RA	S13	
K15A	132-P3A-K15A	13.0	-5.2	132-P3A-K15A-19.0-19.5	19.0 - 19.5 ft	-6.0	-6.5	JB34144-2R	JB34144R	04/12/2013	remaining	N	Y		5.4	RA	S13	
K16A	132-K16A-PB	12.6	-4.9	132-K16A-PB-17.6-18.1	17.6 - 18.1 ft	-5.0	-5.5	JB74698-1	JB74698	08/21/2014	remaining	N	Y		0.67	J	S23	
K17A	132-K17A-PB	12.8	-4.7	132-K17A-PB-17.5-18.0	17.5 - 18.0 ft	-4.7	-5.2	JB74698-3	JB74698	08/21/2014	remaining	N	Y		1.7	J		
K18A	132-K18A-PB	12.8	-3.9	132-K18A-PB-16.6-17.1	16.6 - 17.1 ft	-3.8	-4.3	JB74997-3	JB74997	08/26/2014	remaining	N	Y		0.78	J		
K19A	132-K19A-PB	12.0	-3.1	132-K19A-PB-15.0-15.5	15.0 - 15.5 ft	-3.0	-3.5	JB75481-3	JB75481	09/02/2014	remaining	N	Y		1.5	J	S24	
K19A	132-K19A-PB2	12.0	-3.1	132-K19A-PB-16.0-16.5	16.0 - 16.5 ft	-4.0	-4.5	JB76855-1	JB76855	09/17/2014	remaining	N	Y		0.83	J	S24	
K19A	132-K19A-PB2	12.0	-3.1	132-K19A-PB-18.0-18.5	18.0 - 18.5 ft	-6.0	-6.5	JB76855-2	JB76855	09/17/2014	remaining	N	Y		< 0.27	UJ	S24	
K19A	EF-31	13.9	-3.1	EF-B31-18.0	18.0 - 18.5 ft	-4.1	-4.6	460-25599-21	460255991	04/20/2011	removed	N	Y	FILL (FILL)	13700	J	S24	
K19A	EF-31	13.9	-3.1	EF-B31-22.0	22.0 - 22.5 ft	-8.1	-8.6	460-25599-22	460255991	04/20/2011	remaining	N	Y		0.61	J		
K20A	132-B8	12.1	-3.0	132B8F 16.9-17.5 803639	16.9 - 17.5 ft	-4.8	-5.4	803639	C407	01/29/2007	remaining	N	Y		< 3.66	UJ		
K20A	132-B8	12.1	-3.0	132B8G 17.7-18.1 803640	17.7 - 18.1 ft	-5.6	-6.0	803640	C407	01/29/2007	remaining	N	Y		< 2.36	UJ		
K20A	132-K20A-PB	12.6	-3.0	132-K20A-PB-15.6-16.1	15.6 - 16.1 ft	-3.0	-3.5	JB75481-5R	JB75481R	09/02/2014	remaining	N	Y		2.9	J	S25	
K20A	132-K20A-PB-2	12.6	-3.0	132-K20A-PB-17.5-18.0	17.5 - 18.0 ft	-4.9	-5.4	JB76855-3	JB76855	09/17/2014	remaining	N	Y		1.3	J	S25	
K20A	132-P3A-K20A	12.6	-3.0	132-P3A-K20A-15.5-16.0	15.5 - 16.0 ft	-2.9	-3.4	JB28065-1	JB28065	02/05/2013	removed	N	Y	FILL (FILL)	< 0.19	RA	S26	
K20A	132-P3A-K20A	12.6	-3.0	132-P3A-K20A-16.5-17.0	16.5 - 17.0 ft	-3.9	-4.4	JB28065-2	JB28065	02/05/2013	removed	N	Y	FILL (FILL)	0.46	RA	S26	
K20A	132-P3A-K20A	12.6	-3.0	132-P3A-K20A-16.5-17.0X	16.5 - 17.0 ft	-3.9	-4.4	JB28065-3R	JB28065R	02/05/2013	removed	FD	Y	FILL (FILL)	3.0	RA	S26	
K20A	132-P3A-K20A	12.6	-3.0	132-P3A-K20A-17.0-17.5	17.0 - 17.5 ft	-4.4	-4.9	JB28065-4R	JB28065R	02/05/2013	removed	N	Y	UNDorg (OL)	22.4	RA	S25	
K20A	132-P3A-K20A	12.6	-3.0	132-P3A-K20A-17.5-18.0	17.5 - 18.0 ft	-4.9	-5.4	JB28065-5T	JB28065T	02/05/2013	remaining	N	Y		0.72	J		
K21A	132-K21A-PB	10.3	-3.3	132-K21A-PB-13.6-14.1	13.6 - 14.1 ft	-3.3	-3.8	JB75481-4R	JB75481R	09/02/2014	remaining	N	Y		4.3	J		
K21A	132-P3A-K21A	10.3	-3.3	132-P3A-K21A-14.0-14.5	14.0 - 14.5 ft	-3.7	-4.2	JB35483-4R	JB35483R	04/26/2013	remaining	N	Y		1.5	J		
K21A	132-P3A-K21A	10.3	-3.3	132-P3A-K21A-15.8-16.3	15.8 - 16.3 ft	-5.5	-6.0	JB35483-3R	JB35483R	04/26/2013	remaining	N	Y		0.80	J		
K21A	132-P3A-K21A	10.3	-3.3	132-P3A-K21A-16.3-16.8	16.3 - 16.8 ft	-6.0	-6.5	JB35483-2	JB35483	04/26/2013	remaining	N	Y		< 0.31	UJ		
K21A	132-P3A-MW103I	11.0	-3.3	132-P3A-MW103I-35.0-35.5	35.0 - 35.5 ft	-24.0	-24.5	JC3896-8	JC3896	09/09/2015	remaining	N	Y		11.6	J		
K21A	132-P3A-MW103I	11.0	-3.3	132-P3A-MW103I-40.0-40.5	40.0 - 40.5 ft	-29.0	-29.5	JC3896-9R	JC3896R	09/10/2015	remaining	N	Y		19.7	J		
K21A	132-P3A-MW103I	11.0	-3.3	132-P3A-MW103I-44.0-44.5	44.0 - 44.5 ft	-33.0	-33.5	JC3896-10R	JC3896R	09/10/2015	remaining	N	Y		9.0	J		
K22A	132-K22A-PB	10.2	-3.2	132-K22A-PB-13.4-13.9	13.4 - 13.9 ft	-3.2	-3.7	JB75568-5R	JB75568R	09/03/2014	remaining	N	Y		0.33	J		
K23A	132-K23A-PB	11.8	-4.1	132-K23A-PB-15.8-16.3	15.8 - 16.3 ft	-4.0	-4.5	JB75568-8R	JB75568R	09/03/2014	remaining	N	Y		0.91	J		
K23A	EF-30A	11.0	-4.1	EF-B30A-16.0	16.0 - 16.5 ft	-5.0	-5.5	460-25657-5	460256571	04/21/2011	remaining	N	Y		< 0.56	UJ		
K23A	EF-30A	11.0	-4.1	EF-B30A-22.0	22.0 - 22.5 ft	-11.0	-11.5	460-25657-6	460256571	04/21/2011	remaining	N	Y		1.1	J		

Table 5-1
Cr⁺⁶ Analytical Results for In-Place Soil Compared to Chromium Soil Cleanup Criterion
Site 132, Garfield Avenue Group
PPG, Jersey City, New Jersey

															Analyte CAS RN Units CrSCC	CHROMIUM (HEXVALENT) 18540-29-9 mg/kg 20		
Grid ID (G1)	Location ID (G2)	Location Elevation (ft NAVD88) (G3, G4, G5)	As-built TEE (ft NAVD88) (G4, G6, G7, G8)	Sample ID (G9)	Depth Interval (ft bgs) (G10)	Sample Start Elevation (ft NAVD88) (G4, G7, G8, G11)	Sample End Elevation (ft NAVD88) (G4, G12)	Lab ID (G13)	Lab SDG (G13)	Date Collected (G14)	Sample Status (G15)	Sample Type (G16)	Validated (Y/N) (G17)	Matrix (G18)	Result (G19, G20)	Qualifier (G21, G22)	Specific Notes	
M22A	137-M22AE-PB	12.9	-3.9	137-M22AE-PB-16.8-17.3	16.8 - 17.3 ft	-3.9	-4.4	JB84646-4	JB84646	12/18/2014	remaining	N	Y		1.2	RA	S3, S29	
M22A	137-M22AW-PB	12.9	-1.5	137-M22AW-PB-14.4-14.9	14.4 - 14.9 ft	-1.5	-2.0	JB84646-3	JB84646	12/18/2014	remaining	N	Y		2.8	RA	S3, S29	
M23A	137-M23AE-PB	13.2	-4.2	137-M23AE-PB-17.4-17.9	17.4 - 17.9 ft	-4.2	-4.7	JB84798-4	JB84798	12/19/2014	remaining	N	Y		< 0.18	RA	S3, S29	
M23A	137-M23AW-PB	13.2	-1.6	137-M23AW-PB-14.8-15.3	14.8 - 15.3 ft	-1.6	-2.1	JB84798-3R	JB84798R	12/19/2014	remaining	N	Y		5.6	RA	S3, S29	
M24A	137-M24A-PB	13.7	-1.9	137-M24A-PB-15.6-16.1	15.6 - 16.1 ft	-1.9	-2.4	JB84890-1	JB84890	12/22/2014	remaining	N	Y		1.5	RA	S29	
M25A	137-M25A-PB	13.9	-1.3	137-M25A-PB-15.2-15.7	15.2 - 15.7 ft	-1.3	-1.8	JB84890-2	JB84890	12/22/2014	remaining	N	Y		2.0	RA	S29	
M26A	137-M26A-PB	14.2	-1.2	137-M26A-PB-15.2-15.7	15.2 - 15.7 ft	-1.0	-1.5	JB90069-2R	JB90069R	03/16/2015	remaining	N	Y		0.86	J	S29	
M27A	137-M27A-PB	14.7	-4.7	137-M27A-PB-19.4-19.9	19.4 - 19.9 ft	-4.7	-5.2	JB91487-4	JB91487	04/02/2015	remaining	N	Y		0.62	J	S29	
M28A	137-B9	15.1	-6.0	137B9K_22.5-22.9_801735	22.5 - 22.9 ft	-7.4	-7.8	801735	C185	01/23/2007	remaining	N	Y		< 2.4	UJ	S29	
M28A	137-M28A-PB	15.0	-6.0	137-M28A-PB-21.0-21.5	21.0 - 21.5 ft	-6.0	-6.5	JB91487-2	JB91487	04/02/2015	remaining	N	Y		1.9	J	S29	
M29A	137-M29A-PB	14.7	-5.0	137-M29A-PB-19.7-20.2	19.7 - 20.2 ft	-5.0	-5.5	JB91365-2	JB91365	04/01/2015	remaining	N	Y		< 0.41	RA	S29	
M30A	137-M30A-PB	14.2	-5.6	137-M30A-PB-19.8-20.3	19.8 - 20.3 ft	-5.6	-6.1	JB91263-2	JB91263	03/31/2015	remaining	N	Y		0.99	RA	S29	

Table 5-1
Cr⁺⁶ Analytical Results for In-Place Soil Compared to Chromium Soil Cleanup Criterion
Site 132, Garfield Avenue Group
PPG, Jersey City, New Jersey

ABBREVIATIONS:

bgs - below ground surface
CAS RN - Chemical Abstracts Service Registry Number
CCPW - Chromate Chemical Production Waste
Chromium Policy - Memorandum from NJDEP Commissioner Lisa P. Jackson to Irene Kropp, Subject: Chromium Moratorium (Chromium Policy), dated February 8, 2007
COPR - Chromite Ore Processing Residue
Cr⁺⁶ - hexavalent chromium
CrSCC - Chromium Soil Cleanup Criterion
El. - elevation
FD - field duplicate sample type
ft - feet
Method to Determine Compliance - Letter from Mr. Thomas Cozzi to W. Michael McCabe, Subject: Re: Updated Method to Determine Compliance with the Department's Chromium Policy, Garfield Avenue – Sites 114, 132, 133, 135, 137, and 143, Jersey City, NJ. August 13, 2013.
mg/kg - milligrams per kilogram
N - normal sample type
NAVD88 - North American Vertical Datum of 1988
NJDEP - New Jersey Department of Environmental Protection
PDI - Pre-Design Investigation
RI - Remedial Investigation
SDG - sample delivery group
TEE - terminal excavation elevation
USCS - Unified Soil Classification System

MATRICES:

FILL - fill
MM - meadow mat
UND - undisturbed native deposit
UNDno - non-organic undisturbed native deposit
UNDorg - organic undisturbed native deposit

USCS Classifications:

OL - organic silt
PT - peat
SM - silty sand
SP - poorly-graded sand

QUALIFIERS:

J - The result was an estimated value; the associated numerical value was an approximate concentration of the analyte in the sample.
J- - Indicates the analyte was positively identified; the associated numerical value is an estimated quantity with a potential low bias.
RA - The result was rejected due to deficiencies but is considered usable for decision making-purposes.
U - The analyte was not detected above the sample reporting limit shown.
UJ - The analyte was not detected above the sample reporting limit shown and the reporting limit was approximate.

GENERAL NOTES:

G1. "Grid ID" refers to an area, typically 30 ft by 30 ft, identified as Grid Rows A' through M (extending west to east) and Grid Columns 30A through 15A (extending from south to north).
G2. "Location ID" refers to the location name where samples were collected.
G3. "Location Elevation" refers to the pre-remediation surface elevation for samples collected from the pit bottom, and the surface elevation of the sample location when the sample was collected via boring or test pit.
G4. Elevation vertical datum is NAVD88, in U.S. survey ft.
G5. For some borings, the Location Elevations presented in this table were revised compared to the Location Elevations used in the proposed TEE Technical Memoranda. The revisions were based on a review of available survey data for individual locations, site-wide topographical surveys, and field notes to provide the most accurate and representative ground surface elevations. In addition, ground surface elevations for borings advanced prior to 2011 were reviewed and, if necessary, converted from the site-specific vertical datum used prior to 2011 into NAVD88.
G6. "As-built TEE" refers to the pit bottom elevation of the grid. However, a grid may be split and have two as-built TEEs.
G7. In some grids, the sample start elevation of the clean confirmation pit bottom sample (typically designated by "PB" in the Location ID) and the as-built TEE are slightly different (typically 0.5 ft or less) because separate elevation measurements were taken for the pit bottom sample and the as-built TEE.
G8. In some grids, the clean confirmation sample was collected prior to excavation and, therefore, a pit bottom sample was not collected. As a result, the clean confirmation sample elevation may vary from the as-built TEE. In addition, sometimes the clean confirmation sample was removed during excavation.
G9. "Sample ID" refers to the name of a sample collected at a given location and is unique to the depth of the sample collected. The depth listed in the Sample ID may not necessarily correspond to the actual sample depth interval due to corrections made as a result of post-field work review of surveyed surface elevations and/or boring logs.
G10. "Depth Interval" is based on the "Location Elevation."
G11. "Sample Start Elevation" refers to the start of the sample interval. There may be up to 0.1 ft variation between the listed Sample Start Elevation and the elevation calculated using the Location Elevation and Depth Interval due to rounding of the numbers.
G12. "Sample End Elevation" refers to the end of the sample interval. There may be up to 0.1 ft variation between the listed Sample End Elevation and the elevation calculated using the Location Elevation and Depth Interval due to rounding of the numbers.
G13. "Lab ID" refers to the identification number assigned to the sample by the analytical laboratory performing the sample analysis. "Lab SDG" refers to the delivery group number assigned to the sample by the analytical laboratory.
G14. "Date Collected" refers to the date the soil sample was collected.

Table 5-1
Cr⁺⁶ Analytical Results for In-Place Soil Compared to Chromium Soil Cleanup Criterion
Site 132, Garfield Avenue Group
PPG, Jersey City, New Jersey

G15. "Sample Status" indicates whether a sample is remaining or removed:
- "Remaining" indicates the soil in that interval is outside the excavation footprint, and remains in-place at that location; and
- "Removed" indicates the sample was removed during excavation.
G16. "Sample Type" indicates whether the sample type is normal (N) or a field duplicate (FD).
G17. "Y" indicates that a sample underwent data validation and "N" indicates that data validation was not conducted.
G18. For samples with Cr⁺⁶ CrSCC exceedances, the USCS Classification is provided. Where the sample was collected above 20 ft bgs, the unit (e.g., MM, UND, UNDno, UNDorg, or FILL) is also specified.
G19. "Result" refers to the analytical result which is reported in mg/kg.
G20. Bold text indicates that the result exceeds the CrSCC. Non-bold text indicates that the result does not exceed the CrSCC.
G21. "Qualifier" refers to the data qualifier assigned by the data validation team reviewing the data from the laboratory for validated data. For unvalidated data, it refers to the qualifier assigned by the laboratory.
G22. Non-detect results are shown on this table using the Method Detection Limit, if available; otherwise they are shown at the Reporting Limit.

SPECIFIC NOTES:

- S1. In Grid A'21A, sidewall samples from location 143-A21A-SW collected from the Clean Corridor excavation along the Garfield Avenue right-of-way were used in the evaluation of compliance for the portion of this grid located within Site 132.
- S2. In Grids A20A, B20A, C20A, D20A, E20A, F16A, F17A, F18A, F19A, and F20A, samples collected from Site 143 were used in the evaluation of compliance for the portion of these grids located within Site 132.
- S3. The following grids were excavated as split grids, each with two distinct as-built TEEs: Grids A20A, I18A, I19A, J30A, M22A, and M23A.
- S4. The following grids were excavated deeper than the clean confirmation samples to approximately El. 9.0 ft NAVD88 to accommodate the placement of a clean amended backfill cap: Grids A21A, A22A, A24A, B20A, B23A, B24A, C22A, C23A, C24A, D21A, D22A, D24A, E21A, E22A, E23A, E24A, and F23A.
- S5. In Grid A22A, removed sample 132-P3A-A22A-0.5-1.0 serves as a sidewall sample for the western boundary of the Site 132 excavation along Garfield Avenue. It was removed to accommodate the placement of a clean amended backfill cap.
- S6. In Grid A23A, removed samples 132-P3A-A23A-0.5-1.0 and 132-P3A-A23A-2.5-3.0 serve as sidewall samples for the western boundary of the Site 132 excavation along Garfield Avenue. They were removed to accommodate the placement of a clean amended backfill cap.
- S7. In Grid A23A, the Cr⁺⁶ result for sample 132-P3A-A23A-15.5-16.0 (El. -2.6 to -3.1 ft NAVD88), collected on April 19, 2013, was greater than 20 mg/kg but in compliance with the Chromium Policy because the interval was resampled on April 1, 2014 (samples 132-P3A-A23A-R-15.5-16.0 [El. -2.5 to -3.0 ft NAVD88] and 132-P3A-A23A-R2-15.5-16.0 [El. -2.6 to -3.1 ft NAVD88]) and the Cr⁺⁶ results were less than 20 mg/kg. Therefore, the remedial standard for Cr⁺⁶ was met in this grid. This evaluation was presented to NJDEP/Weston Solutions, Inc. in the *Request for Revision to Phase 3A Terminal Excavation Elevations (Grids A'15A and A23A) (Revision 1)* on July 1, 2014. NJDEP/Weston Solutions, Inc. concurred with this conclusion via e-mail on July 18, 2014.
- S8. In Grid A24A, removed sample 132B2A_0.0-0.8_803855 and its field duplicate sample serve as sidewall samples for the western boundary of the Site 132 excavation along Garfield Avenue. They were removed to accommodate the placement of a clean amended backfill cap.
- S9. In Grid A24A, samples collected from location 132-P3A-A24A, in the Garfield Avenue right-of-way, were used in the evaluation of compliance for the portion of this grid located within Site 132.
- S10. In the following grids, excavation of the former building foundation and grading of the surrounding soil resulted in removal of the clean confirmation samples: Grids A27A, B25A, B28A, B29A, B30A, C25A, C26A, C27A, C28A, C30A, D25A, D26A, D27A, D28A, E25A, E27A, E28A, E29A, E30A, F25A, F26A, F27A, F28A, F29A, G25A, G26A, G27A, G28A, G29A, H26A, H27A, H28A, and H29A. See Specific Notes S4 and S22 for explanations of other grids within the former building footprint that have removed confirmation samples.
- S11. In Grid C26A, the Cr⁺⁶ result for sample 132-P3A-C26A-16.0-16.5 (El. -0.8 to -1.3 ft NAVD88), collected on February 4, 2014, was greater than 20 mg/kg but in compliance with the Chromium Policy because the interval was resampled on February 24, 2014 (sample 132-P3A-C26A-16.0-16.5R [El. -0.8 to -1.3 ft NAVD88]) and the Cr⁺⁶ concentration was less than 20 mg/kg. The initial Cr⁺⁶ result from this sample interval can reasonably be assumed to be an anomaly or attributed to sample cross contamination. This evaluation was presented to NJDEP/Weston Solutions, Inc. in the *Phase 3A Southwest Terminal Excavation Elevation Supplemental Submittal* on May 23, 2014. NJDEP/Weston Solutions, Inc. concurred with this conclusion via e-mail on June 10, 2014.
- S12. In Grid F22A, the as-built TEE is El. 7.1 ft NAVD88, and there was no visual observation of contamination at the pit bottom. The closest remaining sample is EF-B55-7.0 (El. 7.0 to 6.5 ft NAVD88), which falls 0.1 ft below the as-built TEE and had a Cr⁺⁶ result less than the CrSCC. The closest removed sample above the as-built TEE is EF-B55-2.5 (El. 11.5 to 11.0 ft NAVD88). Two samples at similar intervals from adjacent Grid E22A (132-P3A-E22A-6.5-7.0 at El. 7.6 to 7.1 ft NAVD88) and Grid F23A (132-P3A-F23A-6.5-7.0 at El. 7.6 to 7.1 ft NAVD88) provide supporting evidence that this interval within Grid F22A is in compliance with the Chromium Policy.
- S13. In partial Grids F15A, G15A, H15A, I15A, J15A, K15A, and L15A, samples collected at or below the Site 132 as-built TEE from the Carteret Avenue right-of-way were used in the evaluation of compliance for the portion of these grids located within Site 132. Samples from above the as-built TEE for the Site 132 portion of each of these grids are not included on this table or on Figure 5-1 because they are not representative of soil remaining in place on Site 132.
- S14. In Grid G19A, the as-built TEE is El. 7.0 ft NAVD88, and there was no visual observation of contamination at the pit bottom. The closest remaining sample is 143-P3A-G19A-5.5-6.0 (El. 6.4 to 5.9 ft NAVD88), which falls 0.6 ft below the as-built TEE and had a Cr⁺⁶ result less than the CrSCC. The closest removed sample above the as-built TEE is 143-P3A-G19A-3.5-4.0 (El. 8.4 to 7.9 ft NAVD88), which was removed due to additional excavation of the grid to remove visual COPR. The Cr⁺⁶ result for this sample was also less than the CrSCC. A sample at a similar interval from adjacent Grid G18A (143-P3A-G18A-5.0-5.5 at El. 7.0 to 6.5 ft NAVD88) provides supporting evidence that this interval within Grid G19A is in compliance with the Chromium Policy.
- S15. In November 2017, four borings were installed in Grids G24A, I23A, I26A, and I29A to collect soil samples from borings to serve as sidewall samples within Site 132. This work was conducted in accordance with the work plan entitled *Site 132 Sidewall Sampling Plan to NJDEP/Weston* (AECOM, October 3, 2017), as approved by NJDEP/Weston Solutions, Inc. on October 11, 2017. Per the approved work plan, four borings were completed: one in Grid G24A (to collect sidewall samples for the south side of Grid G23A); one in Grid I23A (to collect sidewall samples between Grids J23A and I123A, and Grids I22A and I23A); and one each in Grids I26A and I29A (to collect sidewall samples between the J- and I-rows).

Table 5-1
Cr⁺⁶ Analytical Results for In-Place Soil Compared to Chromium Soil Cleanup Criterion
Site 132, Garfield Avenue Group
PPG, Jersey City, New Jersey

- S16. In Grid H19A, the Cr⁺⁶ results for PDI sample 132-P3A-H19A-16.0-16.5 and its field duplicate were greater than 20 mg/kg but in compliance with the Chromium Policy because these samples were actually removed. Based on the sample elevation (El. -1.9 to -2.4 ft NAVD88) as compared to the as-built TEE (El. -2.3 ft NAVD88), a portion of these samples appears to be remaining in place; however, based on the boring log, this sample was collected from fill above the MM. The excavation field notes indicate that the fill material was removed and this grid was excavated to visually clean MM. In addition, a clean RI sample (OSB11J_16.7-17.1_805051 [El. -2.5 to -2.9 ft NAVD88]) was collected from 0.2 ft below the as-built TEE, and its Cr⁺⁶ result was less than 20 mg/kg.
- S17. In Grid H22A, the clean confirmation sample 132-P3A-H22A-2.5-3.0 (El. 8.8 to 8.3 ft NAVD88) and its field duplicate sample were removed during rescraping of the pit bottom to remove a temporary working soil stockpile. The as-built TEE is El. 6.9 ft NAVD88, and there was no visual observation of contamination at the pit bottom or in the boring log within this interval. The closest remaining sample is 132-P3A-H22A-4.5-5.0 (El. 6.8 to 6.3 ft NAVD88), which falls 0.1 ft below the as-built TEE and had a Cr⁺⁶ result less than the CrSCC.
- S18. Grid I18A was excavated as a split grid due to removal of visible COPR material on the eastern portion of the grid. On the eastern portion of this grid, the as-built TEE was El. -2.3 ft NAVD88, and post-excavation pit bottom sample 132-I18A-PB-16.6-17.1 (El. -2.3 to -2.8 ft NAVD88) was collected. On the western portion of this grid, the as-built TEE was El. 5.7 ft NAVD88, and removed samples 132-P3A-I18A-7.0-7.5 (El. 7.3 to 6.8 ft NAVD88), 132-P3A-I18A-9.0-9.5 (El. 5.3 to 4.8 ft NAVD88), 132-P3A-I18A-11.0-11.5 (El. 3.3 to 2.8 ft NAVD88), 132-P3A-I18A-13.0-13.5 (El. 1.3 to 0.8 ft NAVD88), 132-P3A-I18A-15.0-15.5 (El. -0.7 to -1.2 ft NAVD88), 132-P3A-I18A-15.5-16.0 (El. -1.2 to -1.7 ft NAVD88), and 132-P3A-I18A-16.0-16.5 (El. -1.7 to -2.2 ft NAVD88) from the eastern portion of this grid serve as the clean confirmation samples for the western portion of this grid. The Cr⁺⁶ results for these confirmation samples were less than the CrSCC.
- S19. Grid I19A was excavated as a split grid due to removal of visible COPR material on the eastern portion of the grid. On the eastern portion of this grid, the as-built TEE was El. -3.8 ft NAVD88, and post-excavation pit bottom sample 132-I19A-PB-17.8-18.3 (El. -3.8 to -4.3 ft NAVD88) was collected. On the western portion of this grid, the as-built TEE was El. 6.5 ft NAVD88, and the clean confirmation sample 132-P3A-I19A-7.0-7.5 (El. 7.0 to 6.5 ft NAVD88) was removed due to sloping of this portion of the grid. The Cr⁺⁶ results for both of these samples were less than the CrSCC.
- S20. In Grid I21A, the clean confirmation sample 132-P3A-I21A-2.5-3.0 (El. 9.2 to 8.7 ft NAVD88) was removed due to construction issues including rescraping of the pit bottom to remove a temporary working soil stockpile and sloping from the J- and K-rows. The as-built TEE is El. 7.3 ft NAVD88, and there was no visual observation of contamination at the pit bottom or in the boring log within this interval. The closest remaining sample is 132-P3A-I21A-4.5-5.0 (El. 7.2 to 6.7 ft NAVD88), which falls 0.1 ft below the as-built TEE and had a Cr⁺⁶ result less than the CrSCC.
- S21. In Grid I22A, the clean confirmation sample 132-P3A-I22A-2.5-3.0 (El. 8.7 to 8.2 ft NAVD88) was removed due to construction issues including rescraping of the pit bottom to remove a temporary working soil stockpile and sloping from the J- and K-rows. The as-built TEE is El. 7.0 ft NAVD88, and there was no visual observation of contamination at the pit bottom or in the boring log within this interval. The closest remaining sample is 132-P3A-I22A-4.5-5.0 (El. 6.7 to 6.2 ft NAVD88), which falls 0.3 ft below the as-built TEE and had a Cr⁺⁶ result less than the CrSCC. A sample at a similar interval from adjacent Grid I21A (132-P3A-I21A-4.5-5.0 at El. 7.2 to 6.7 ft NAVD88) provides supporting evidence that this interval within Grid I22A is in compliance with the Chromium Policy.
- S22. In Grid I24A, the clean confirmation sample 132-P3A-I24A-6.5-7.0 (El. 8.2 to 7.7 ft NAVD88) was removed due to sloping from Grids I23A, J23A, and J24A. The final as-built TEE for Grid I24A was El. 7.1 ft NAVD88. The closest sample below the as-built TEE was 132-P3A-I24A-9.7-10.2 (El. 5.0 to 4.5 ft NAVD88) and its Cr⁺⁶ result was less than the CrSCC.
- S23. For partial Grid K15A, the post-excavation pit bottom sample from adjacent Grid K16A (132-K16A-PB-17.6-18.1 at El. -5.0 to -5.5 ft NAVD88) serves as the clean confirmation sample for the portion of Grid K15A in Site 132 that was excavated to an as-built TEE of El. -5.2 ft NAVD88.
- S24. In Grid K19A, the Cr⁺⁶ result for RI sample EF-B31-18.0 was greater than 20 mg/kg but in compliance with the Chromium Policy because this sample was actually removed. Based on the estimated sample elevation (El. -4.1 to -4.6 ft NAVD88) as compared to the surveyed as-built TEE (El. -3.1 ft NAVD88), this sample appears to be remaining in place; however, based on the boring log, this sample was collected from fill above the former canal bottom. The excavation field notes indicate that the fill material was removed and this grid was excavated to visually clean UND. In addition, a clean confirmation pit bottom sample (132-K19A-PB-15.0-15.5 [El. -3.0 to -3.5 ft NAVD88]) was collected at the as-built TEE, and a test pit was completed to collect two additional confirmatory samples (132-K19A-PB-16.0-16.5 [El. -4.0 to -4.5 ft NAVD88] and 132-K19A-PB-18.0-18.5 [El. -6.0 to -6.5 ft NAVD88]). The Cr⁺⁶ results for these confirmatory samples were also less than 20 mg/kg.
- S25. In Grid K20A, the Cr⁺⁶ result for PDI sample 132-P3A-K20A-17.0-17.5 (El. -4.4 to -4.9 ft NAVD88) was greater than 20 mg/kg but in compliance with the Chromium Policy because it was superseded by post-excavation samples collected from the pit bottom. Based on the boring log, this sample was collected from 0.5 ft of UND on top of MM. However, a clean confirmation pit bottom sample (132-K20A-PB-15.6-16.1 [El. -3.0 to -3.5 ft NAVD88]) was collected at the visually clean as-built TEE of El. -3.0 ft NAVD88 in visually clean UND, and a test pit was completed to collect another confirmatory sample (132-K20A-PB-17.5-18.0 [El. -4.9 to -5.4 ft NAVD88]). The Cr⁺⁶ results for these confirmatory samples were less than 20 mg/kg.
- S26. In Grid K20A, samples 132-P3A-K20A-15.5-16.0 (El. -2.9 to -3.4 ft NAVD88) and 132-P3A-K20A-16.5-17.0 (El. -3.9 to -4.4 ft NAVD88) and its field duplicate sample appear to be remaining in place compared to the as-built TEE of El. -3.0 ft NAVD88, but were actually removed. Based on the boring log, these samples were collected from fill above UND/MM; however, the excavation field notes indicate that the fill material was removed and this grid was excavated to visually clean UND.
- S27. In Grid L22A, the Cr⁺⁶ result for pit bottom sample 137-L22A-PB-14.4-14.9 (El. -3.1 to -3.6 ft NAVD88) was greater than 20 mg/kg but in compliance with the Chromium Policy because it was superseded by subsequently collected post-excavation pit bottom samples collected to confirm the original result. A clean confirmation pit bottom sample (137-L22A-PB-14.4-14.9R [El. -3.1 to -3.6 ft NAVD88]) was collected at the visually clean as-built TEE of El. -3.1 ft NAVD88, and a test pit was completed to collect another confirmatory sample (137-L22A-PB-14.9-15.4 [El. -3.6 to -4.1 ft NAVD88]). The Cr⁺⁶ results for these confirmatory samples were less than 20 mg/kg. In addition, the Cr⁺⁶ result for PDI sample 132-P3A-L22A-14.0-14.5, collected from a similar elevation interval (El. -2.7 to -3.2 ft NAVD88), was less than 20 mg/kg.
- S28. In Grid L29A, the clean confirmation sample EF-B85-18.0 (El. -3.7 to -4.2 ft NAVD88) was removed due to re-scraping of this grid. The final as-built TEE was El. -5.0 ft NAVD88. In addition, sample EF-B85-20.0 (El. -5.7 to -6.2 ft NAVD88), collected from 0.7 ft below the as-built TEE, had a Cr⁺⁶ result less than the CrSCC.
- S29. In Grid Row M, samples collected from Site 137 were used in the evaluation of compliance for the portion of these grids located within Site 132.
- S30. In Grid M16A, the Cr⁺⁶ result for sample P4-M16A-16.0-16.5 (El. -3.3 to -3.8 ft NAVD88) was greater than 20 mg/kg but in compliance with the Chromium Policy per the Method to Determine Compliance because the sample: 1) is below MM where UND+MM was greater than 1 ft thick, 2) had no CCPW observed, 3) is less than 1,000 mg/kg, and 4) deeper excavation would have compromised MM. This sample was part of the PDI program where samples were collected at 2-ft intervals starting from El. -0.3 ft NAVD88 and through the MM (at elevation El. -1.8 ft NAVD88). In addition, excavation was conducted to the anticipated remedial limits (MM), the as-built TEE for this grid was in the MM at El. -2.1 ft NAVD88, and there was no visual observation of contamination.

Table 5-2
CCPW Metals Analytical Results for In-Place Soil Compared to Soil Remediation Standards
Site 132, Garfield Avenue Group
PPG, Jersey City, New Jersey

													Analyte CAS RN Units RDCSRS RDCSRS-GAG NRDCSRS	ANTIMONY 7440-36-0 mg/kg 31 N/A 450		CHROMIUM 7440-47-3 mg/kg 120000 N/A N/A		NICKEL 7440-02-0 mg/kg 1600 N/A 23000		THALLIUM 7440-28-0 mg/kg N/A N/A N/A		VANADIUM 7440-62-2 mg/kg N/A 390 1100				
Grid ID (G1)	Location ID (G2)	Location Elevation (ft NAVD88) (G3, G4, G5)	As-built TEE (ft NAVD88) (G4, G6, G7)	Sample ID (G8)	Depth Interval (ft bgs) (G9)	Sample Start Elevation (ft NAVD88) (G4, G7, G10)	Sample End Elevation (ft NAVD88) (G4, G11)	Lab ID (G12)	Lab SDG (G12)	Date Collected (G13)	Sample Status (G14)	Sample Type (G15)	Validated (Y/N) (G16)	Result (G17, G18)	Qualifier (G19, G20)	Result (G17, G21)	Qualifier (G19, G20)	Result (G17, G18)	Qualifier (G19, G20)	Result (G17, G18)	Qualifier (G19, G20)	Result (G17, G18)	Qualifier (G19, G20)	Specific Notes		
A'21A	143-A21A-SW	12.6	9.1	143-A21A-SW-0.4-0.9	0.4 - 0.9 ft	12.2	11.7	JB73945-5A	JB73945A	08/13/2014	remaining	N	Y	< 0.31	U			13.7		9.6		< 0.47	U	22.1		S1
A'21A	143-A21A-SW	12.6	9.1	143-A21A-SW-2.4-2.9	2.4 - 2.9 ft	10.2	9.7	JB73945-6A	JB73945A	08/13/2014	remaining	N	Y	34.1				28.0		16.7		< 0.48	U	28.2		S1, S2
A'21A	132-A'21A-SB	13.2	9.1	132-A'21A-SB-2.9-3.4	2.9 - 3.4 ft	10.3	9.8	JC66661-2	JC66661	05/23/2018	remaining	N	Y	0.42	J											S1
A'21A	132-A'21A-SB	13.2	9.1	132-A'21A-SB-4.9-5.4	4.9 - 5.4 ft	8.3	7.8	JC66661-3	JC66661	05/23/2018	remaining	N	Y	< 0.46	UJ											S1
A'21A	132-A'21A-SB	13.2	9.1	132-A'21A-SB-4.9-5.4X	4.9 - 5.4 ft	8.3	7.8	JC66661-4	JC66661	05/23/2018	remaining	FD	Y	0.47	J											S1
A24A	132-B2	13.1	9.0	132B2B 4.4-4.9 803857	4.4 - 4.9 ft	8.7	8.2	803857	C438	01/30/2007	remaining	N	Y	< 1.5	UJ		17	J		13.2		< 1.5	U	22.9		
A24A	132-B2	13.1	9.0	132B2C 5.0-5.5 803859	5.0 - 5.5 ft	8.1	7.6	803859	C438	01/30/2007	remaining	N	Y	< 1.3	UJ		10.1	J		8.3		< 1.2	U	15.2		
A24A	132-B2	13.1	9.0	132B2E 6.0-6.5 803870	6.0 - 6.5 ft	7.1	6.6	803870	C438	01/30/2007	remaining	N	Y	< 1.4	UJ		14	J		15.6		< 1.3	U	19.4		
A24A	132-B2	13.1	9.0	132B2F 9.8-10.2 803871	9.8 - 10.2 ft	3.3	2.9	803871	C438	01/30/2007	remaining	N	Y	< 1.3	UJ		9.5	J		7.5		< 1.3	U	16.9		
A24A	132-B2	13.1	9.0	132B2G 13.0-13.4 803872	13.0 - 13.4 ft	0.1	-0.3	803872	C438	01/30/2007	remaining	N	Y	< 1.1	UJ		10.3	J		9		< 1.1	U	19		
A24A	132-P3A-A24A	13.6	9.0	132-P3A-A24A-2.5-3.0	2.5 - 3.0 ft	11.1	10.6	JB33174-1	JB33174	04/03/2013	removed	N	Y	0.89	J		20.5		11.6		< 0.25	U	28.6		S3, S4	
A24A	132-P3A-A24A	13.6	9.0	132-P3A-A24A-8.0-8.5	8.0 - 8.5 ft	5.6	5.1	JB33174-2	JB33174	04/03/2013	remaining	N	Y	0.48	J		12.9			7.5		< 0.26	U	18.5		S3
A24A	132-P3A-A24A	13.6	9.0	132-P3A-A24A-12.0-12.5	12.0 - 12.5 ft	1.6	1.1	JB33174-3	JB33174	04/03/2013	remaining	N	Y	0.39	J		16.3			10.0		< 0.25	U	24.1		S3
A24A	132-P3A-A24A	13.6	9.0	132-P3A-A24A-15.0-15.5	15.0 - 15.5 ft	-1.4	-1.9	JB33174-5	JB33174	04/03/2013	remaining	N	Y	0.59	J		14.8			10.8		< 0.25	U	30.7		S3
A24A	132-P3A-A24A	13.6	9.0	132-P3A-A24A-16.5-17.0	16.5 - 17.0 ft	-2.9	-3.4	JB33174-6	JB33174	04/03/2013	remaining	N	Y	1.1	J		33.2			10.0		< 0.24	U	40.1		S3
A24A	132-P3A-A24A	13.6	9.0	132-P3A-A24A-17.0 -17.5	17.0 - 17.5 ft	-3.4	-3.9	JB33174-7	JB33174	04/03/2013	remaining	N	Y	0.37	J		13.6			6.2		< 0.24	U	20.1		S3
A24A	132-P3A-A24A	13.6	9.0	132-P3A-A24A-18.5-19.0	18.5 - 19.0 ft	-4.9	-5.4	JB33174-8	JB33174	04/03/2013	remaining	N	Y	0.39	J		12.3			5.5		< 0.23	U	15.5		S3
A24A	132-P3A-A24A	13.6	9.0	132-P3A-A24A-20.0-20.5	20.0 - 20.5 ft	-6.4	-6.9	JB33174-9	JB33174	04/03/2013	remaining	N	Y	0.71	J		20.2			11.8		< 0.24	U	26.9		S3
A27A	132-B1	13.6	12.8	132B1B 1.0-1.9 803865	1.0 - 1.9 ft	12.6	11.7	803865	C438	01/30/2007	remaining	N	Y	< 1.1	UJ		14.3	J		9.3		< 1.1	U	19.5		
A27A	132-B1	13.6	12.8	132B1E 4.4-4.8 804219	4.4 - 4.8 ft	9.2	8.8	804219	C482	01/31/2007	remaining	N	Y	< 1.4	UJ		11.3			9.9		< 1.2	U	19		
A27A	132-B1	13.6	12.8	132B1F 8.5-9.1 804222	8.5 - 9.1 ft	5.1	4.5	804222	C482	01/31/2007	remaining	N	Y	< 1.8	UJ		14.7			10.9		< 1.4	U	20.4		
A27A	132-B1	13.6	12.8	132B1FD 8.5-9.1 804223	8.5 - 9.1 ft	5.1	4.5	804223	C482	01/31/2007	remaining	FD	Y	2.3	J		8.9			14.5		< 1.5	U	27.6		
A27A	132-B1	13.6	12.8	132B1G 9.9-10.4 804224	9.9 - 10.4 ft	3.7	3.2	804224	C482	01/31/2007	remaining	N	Y	< 1.6	UJ		12.1			9.1		< 1.3	U	18.7		
A27A	132-B1	13.6	12.8	132B1H 12.0-12.5 804225	12.0 - 12.5 ft	1.6	1.1	804225	C482	01/31/2007	remaining	N	Y	< 1.4	UJ		14			9.6		< 1.1	U	21		
B20A	143-P3A-B20A	12.9	9.0	143-P3A-B20A-2.5-3.0	2.5 - 3.0 ft	10.4	9.9	JB34383-9	JB34383	04/16/2013	removed	N	Y	11.2			703			52.9		< 0.30	U	81.4		S3
B20A	143-P3A-B20A	12.9	9.0	143-P3A-B20A-4.5-5.0	4.5 - 5.0 ft	8.4	7.9	JB34383-8	JB34383	04/16/2013	remaining	N	Y	1.1	J		44.1			15.8		< 0.26	U	23.3		S3
B20A	143-P3A-B20A	12.9	9.0	143-P3A-B20A-6.5-7.0	6.5 - 7.0 ft	6.4	5.9	JB34383-7	JB34383	04/16/2013	remaining	N	Y	1.4	J		38.6			21.5		< 0.31	U	34.1		S3
B20A	143-P3A-B20A	12.9	9.0	143-P3A-B20A-8.5-9.0	8.5 - 9.0 ft	4.4	3.9	JB34383-6	JB34383	04/16/2013	remaining	N	Y	1.8	J		17.0	J		17.7		< 0.32	U	26.7		S3
B20A	143-P3A-B20A	12.9	9.0	143-P3A-B20A-10.5-11.0	10.5 - 11.0 ft	2.4	1.9	JB34383-5	JB34383	04/16/2013	remaining	N	Y	0.42	J		11.5	J		7.6		< 0.26	U	18.6		S3
B20A	143-P3A-B20A	12.9	9.0	143-P3A-B20A-12.6-13.1	12.6 - 13.1 ft	0.3	-0.2	JB34383-4	JB34383	04/16/2013	remaining	N	Y	0.27	J		18.3	J		12.4		< 0.28	U	27.2		S3
B20A	143-P3A-B20A	12.9	9.0	143-P3A-B20A-13.1-13.6	13.1 - 13.6 ft	-0.2	-0.7	JB34383-3	JB34383	04/16/2013	remaining	N	Y	0.26	J		16.6	J		10.4		< 0.30	U	24.1		S3
B26A	132-P3A-MW102I	13.7	12.8	132-P3A-MW102I-22.0-22.5	22.0 - 22.5 ft	-8.3	-8.8	JC3896-6A	JC3896A	09/08/2015	remaining	N	Y				17.4									
B26A	132-P3A-MW102I	13.7	12.8	132-P3A-MW102I-26.5-27.0	26.5 - 27.0 ft	-12.8	-13.3	JC3896-7A	JC3896A	09/08/2015	remaining	N	Y				15.1									
C30A	132-MW2C	14.9	13.9	1322CA 0.5-1.0 804229	0.5 - 1.0 ft	14.4	13.9	804229	C482	01/31/2007	removed	N	Y	< 1.3	UJ		32.9			17.4		< 1.1	U	21.9		S5
C30A	132-MW2C	14.9	13.9	1322CB 2.0-2.5 804230	2.0 - 2.5 ft	12.9	12.4	804230	C482	01/31/2007	remaining	N	Y	< 1.4	UJ		40.7			21.2		< 1.1	U	24.1		
C30A	132-MW2C	14.9	13.9	1322CC 3.1-3.5 804231	3.1 - 3.5 ft	11.8	11.4	804231	C482	01/31/2007	remaining	N	Y	< 1.3	UJ		14.5			11		< 1.1	U	22.5		
C30A	132-MW2C	14.9	13.9	132-2CE 5.5-6.0 814826	5.5 - 6.0 ft	9.4	8.9	814826	E120	03/19/2007	remaining	N	Y	< 1.6	UJ		9.8			15.6		< 1.3	U	25.1		
C30A	132-MW2C	14.9	13.9	132-2CF 7.4-7.9 814827	7.4 - 7.9 ft	7.5	7.0	814827	E120	03/19/2007	remaining	N	Y	< 1.4	UJ		12.2			7.6		< 1.1	U	21.3		
C30A	132-MW2C	14.9	13.9	132-2CG 9.3-9.8 814828	9.3 - 9.8 ft	5.6	5.1	814828	E120	03/19/2007	remaining	N	Y	< 1.5	UJ		11.3			10.1		< 1.2	U	17.1		
C30A	132-MW2C	14.9	13.9	132-2CH 11.0-12.0 814829	11.0 - 12.0 ft	3.9	2.9	814829	E120	03/19/2007	remaining	N	Y	2.5	J		11.0			9.1		< 1.5	U	13.3		
C30A	132-MW2C	14.9	13.9	132-2CI 13.0-14.0 814830	13.0 - 14.0 ft	1.9	0.9	814830	E120	03/19/2007	remaining	N	Y	< 1.8	UJ		14.6			10.4		< 1.5	U	18.1		
C30A	132-MW2C	14.9	13.9	132-2CID 13.0-14.0 814831	13.0 - 14.0 ft	1.9	0.9	814831	E120	03/19/2007	remaining	FD	Y	< 1.8	UJ		13.5			9.7		< 1.4	U	15.8		
C30A	132-MW2C	14.9	13.9	132-2CJ 15.0-15.5 814832	15.0 - 15.5 ft	-0.1	-0.6	814832	E120	03/19/2007	remaining	N	Y	< 1.4	UJ		12.7			9.1		< 1.1	U	17.9		
C30A	132-MW2C	14.9	13.9	132-2CK 18.5-19.0 814833	18.5 - 19.0 ft	-3.6	-4.1	814833	E120	03/19/2007	remaining	N	Y	< 1.3	UJ		14.5			10.9		< 1.1	U	23.5		
C30A	EF-53	14.7	13.9	EF-B53-2.5	2.5 - 3.0 ft	12.2	11.7	460-26847-14	460268471	05/24/2011	remaining	N	Y											22.6		
C30A	EF-53	14.7	13.9	EF-B53-5.0	5.0 - 5.5 ft	9.7	9.2	460-26847-22	460268471	05/24/2011	remaining	N	Y											24.8		
C30A	EF-53	14.7	13.9	EF-B53-16.5	16.5 - 17.0 ft	-1.8	-2.3	460-26847-23	460268471	05/24/2011	remaining	N	Y											27.4		
C30A	EF-53	14.7	13.9	EF-B53-21.5	21.5 - 22.0 ft	-6.8	-7.3	460-26847-24	460268471	05/24/2011	remaining	N	Y											24.5		
D20A	143-B3	12.9	5.0	PPG-143-B3E 6.4-6.9 799359	6.4 - 6.9 ft	6.5	6.0	799359	B818	01/11/2007	removed	N	Y	< 1.5	UJ		66.9	J		18.2	J	< 1.2	U	26.2		S3
D20A																										

Table 5-2
CCPW Metals Analytical Results for In-Place Soil Compared to Soil Remediation Standards
Site 132, Garfield Avenue Group
PPG, Jersey City, New Jersey

														Analyte CAS RN Units RDCSRS RDCSRS-GAG NRDCSRS		ANTIMONY 7440-36-0 mg/kg 31 N/A 450		CHROMIUM 7440-47-3 mg/kg 120000 N/A N/A		NICKEL 7440-02-0 mg/kg 1600 N/A 23000		THALLIUM 7440-28-0 mg/kg N/A N/A N/A		VANADIUM 7440-62-2 mg/kg N/A 390 1100		
Grid ID (G1)	Location ID (G2)	Location Elevation (ft NAVD88) (G3, G4, G5)	As-built TEE (ft NAVD88) (G4, G6, G7)	Sample ID (G8)	Depth Interval (ft bgs) (G9)	Sample Start Elevation (ft NAVD88) (G4, G7, G10)	Sample End Elevation (ft NAVD88) (G4, G11)	Lab ID (G12)	Lab SDG (G12)	Date Collected (G13)	Sample Status (G14)	Sample Type (G15)	Validated (Y/N) (G16)	Result (G17, G18)	Qualifier (G19, G20)	Result (G17, G21)	Qualifier (G19, G20)	Result (G17, G18)	Qualifier (G19, G20)	Result (G17, G18)	Qualifier (G19, G20)	Result (G17, G18)	Qualifier (G19, G20)	Specific Notes		
D20A	143-B3	12.9	5.0	PPG-143-B3K_21.1-21.7_799375	21.1 - 21.7 ft	-8.2	-8.8	799375	B818	01/11/2007	remaining	N	Y	< 1.5	UJ	88.2	J	13.6	J	< 1.2	U	24.5		S3		
E22A	132-P3A-E22A	14.1	8.9	132-P3A-E22A-6.5-7.0	6.5 - 7.0 ft	7.6	7.1	JB38148-4	JB38148	05/28/2013	remaining	N	Y	3.4	J	260	J	50.4		1.3	J	112				
E22A	132-P3A-E22A	14.1	8.9	132-P3A-E22A-8.5-9.0	8.5 - 9.0 ft	5.6	5.1	JB38148-5	JB38148	05/28/2013	remaining	N	Y	1.6	J	90.3	J	20.1		0.79	J	30.5				
E22A	132-P3A-E22A	14.1	8.9	132-P3A-E22A-10.5-11.0	10.5 - 11.0 ft	3.6	3.1	JB38148-6	JB38148	05/28/2013	remaining	N	Y	0.91	J	75.8	J	15.8		< 0.30	U	22.2				
E22A	132-P3A-E22A	14.1	8.9	132-P3A-E22A-12.5-13.0	12.5 - 13.0 ft	1.6	1.1	JB38148-7	JB38148	05/28/2013	remaining	N	Y	0.94	J	23.3	J	15.6		< 0.31	U	18.4				
E22A	132-P3A-E22A	14.1	8.9	132-P3A-E22A-14.5-15.0	14.5 - 15.0 ft	-0.4	-0.9	JB38148-8	JB38148	05/28/2013	remaining	N	Y	0.66	J	12.9	J	6.8		< 0.30	U	13.2				
E22A	132-P3A-E22A	14.1	8.9	132-P3A-E22A-16.2-16.7	16.2 - 16.7 ft	-2.1	-2.6	JB38148-9	JB38148	05/28/2013	remaining	N	Y	0.27	J	18.7	J	10.7		< 0.25	U	21.9				
E22A	132-P3A-E22A	14.1	8.9	132-P3A-E22A-16.7-17.2	16.7 - 17.2 ft	-2.6	-3.1	JB38148-10	JB38148	05/28/2013	remaining	N	Y	0.33	J	25.1	J	17.7		< 0.29	U	38.7				
E26A	132-B4	13.4	12.4	132B4A_0.7-1.1_804678	0.7 - 1.1 ft	12.7	12.3	804678	C547	02/01/2007	remaining	N	Y	< 1.1	UJ	2.1	J	< 0.9	U	< 1.1	UJ	11.6				
E26A	132-B4	13.4	12.4	132B4B_1.9-2.4_804679	1.9 - 2.4 ft	11.5	11.0	804679	C547	02/01/2007	remaining	N	Y	2.4	J	53.3	J	21.5		< 1.2	UJ	31.3				
E26A	132-B4	13.4	12.4	132B4C_5.1-5.5_804680	5.1 - 5.5 ft	8.3	7.9	804680	C547	02/01/2007	remaining	N	Y	< 1.2	UJ	10.8	J	8.5		< 1.2	UJ	16				
E26A	132-B4	13.4	12.4	132B4D_8.4-8.8_804681	8.4 - 8.8 ft	5.0	4.6	804681	C547	02/01/2007	remaining	N	Y	< 1.2	UJ	12.6	J	8.9		< 1.1	UJ	25.4				
E26A	132-B4	13.4	12.4	132B4E_12.8-13.4_804682	12.8 - 13.4 ft	0.6	0.0	804682	C547	02/01/2007	remaining	N	Y	< 1.6	UJ	9.2	J	11.6		< 1.5	UJ	19.9				
E26A	132-B4	13.4	12.4	132B4F_16.7-17.2_804683	16.7 - 17.2 ft	-3.3	-3.8	804683	C547	02/01/2007	remaining	N	Y	< 1.1	UJ	13.4	J	10.5		< 1.1	UJ	21.6				
E26A	132-B4	13.4	12.4	132B4G_17.5-18.0_804684	17.5 - 18.0 ft	-4.1	-4.6	804684	C547	02/01/2007	remaining	N	Y	< 2.7	UJ	22.4	J	17.4		< 1.3	UJ	31.4				
E26A	132-B4	13.4	12.4	132B4H_19.2-19.7_804685	19.2 - 19.7 ft	-5.8	-6.3	804685	C547	02/01/2007	remaining	N	Y	< 4	UJ	13.8	J	8.9		< 2	UJ	17.9				
E26A	132-B4	13.4	12.4	132B4I_20.4-20.9_804687	20.4 - 20.9 ft	-7.0	-7.5	804687	C547	02/01/2007	remaining	N	Y	< 1.4	UJ	10.5	J	7.5		< 1.1	U	19				
F19A	143-B7	12.4	6.3	PPG-143-B7E_5.9-6.6_799371	5.9 - 6.6 ft	6.5	5.8	799371	B818	01/11/2007	remaining	N	Y	< 1.4	UJ	108	J	22.8	J	< 1.1	U	18.5				
F19A	143-B7	12.4	6.3	PPG-143-B7F_6.9-9.4_799353	6.9 - 9.4 ft	5.5	3.0	799353	B818	01/11/2007	remaining	N	Y	< 1.4	UJ	12.9	J	11.5	J	< 1.1	U	25.4				
F19A	143-B7	12.4	6.3	PPG-143-B7G_8.5-10.3_799354	8.5 - 10.3 ft	3.9	2.1	799354	B818	01/11/2007	remaining	N	Y	< 1.8	UJ	14	J	14.6	J	< 1.5	U	28.1				
F19A	143-B7	12.4	6.3	PPG-143-B7H_13.1-13.7_799355	13.1 - 13.7 ft	-0.7	-1.3	799355	B818	01/11/2007	remaining	N	Y	< 2.7	UJ	29.4	J	17.8	J	< 1.1	U	40.3				
F19A	143-B7	12.4	6.3	PPG-143-B7I_18.0-18.9_799356	18.0 - 18.9 ft	-5.6	-6.5	799356	B818	01/11/2007	remaining	N	Y	< 1.5	UJ	18.1	J	15.5	J	< 1.2	U	23.7				
F22A	EF-55	14.0	7.1	EF-B55-7.0	7.0 - 7.5 ft	7.0	6.5	460-26847-19	460268471	05/24/2011	remaining	N	Y									81.1				
F22A	EF-55	14.0	7.1	EF-B55-17.0	17.0 - 17.5 ft	-3.0	-3.5	460-26847-20	460268471	05/24/2011	remaining	N	Y									23.3				
F22A	EF-55	14.0	7.1	EF-B55-21.0	21.0 - 21.5 ft	-7.0	-7.5	460-26847-21	460268471	05/24/2011	remaining	N	Y									29.5				
F30A	132-B3	14.2	13.3	132B3C_0.95-1.6_804239	0.9 - 1.6 ft	13.3	12.6	804239	C482	01/31/2007	remaining	N	Y	2.3	J	14.1		18.8		< 1.3	U	23.1				
F30A	132-B3	14.2	13.3	132B3D_1.6-2.1_804240	1.6 - 2.1 ft	12.6	12.1	804240	C482	01/31/2007	remaining	N	Y	< 1.5	UJ	150		19.8		< 1.2	U	18.2				
F30A	132-B3	14.2	13.3	132B3E_2.1-2.5_804241	2.1 - 2.5 ft	12.1	11.7	804241	C482	01/31/2007	remaining	N	Y	< 1.3	UJ	39.8		12.2		< 1.1	U	16.8				
F30A	132-B3	14.2	13.3	132B3F_3.6-3.85_804242	3.6 - 3.8 ft	10.6	10.4	804242	C482	01/31/2007	remaining	N	Y	< 1.7	UJ	11.8		12.4		< 1.4	U	16.5				
F30A	132-B3	14.2	13.3	132B3G_4.0-4.5_806753	4.0 - 4.5 ft	10.2	9.7	806753	C844	02/09/2007	remaining	N	Y	3.9	J	47.4		20.2		< 1.3	U	22.3				
F30A	132-B3	14.2	13.3	132B3H_5.3-6.2_806754	5.3 - 6.2 ft	8.9	8.0	806754	C844	02/09/2007	remaining	N	Y	< 1.6	UJ	13.2		13		< 1.3	U	25.2				
F30A	132-B3	14.2	13.3	132B3HD_5.3-6.2_806755	5.3 - 6.2 ft	8.9	8.0	806755	C844	02/09/2007	remaining	FD	Y	< 1.8	UJ	13.6		11.8		< 1.4	U	26.3				
F30A	132-B3	14.2	13.3	132B3I_9.0-9.5_806756	9.0 - 9.5 ft	5.2	4.7	806756	C844	02/09/2007	remaining	N	Y	< 1.6	UJ	4.8		7.1		< 1.3	U	13.8				
F30A	132-B3	14.2	13.3																							

Table 5-2
CCPW Metals Analytical Results for In-Place Soil Compared to Soil Remediation Standards
Site 132, Garfield Avenue Group
PPG, Jersey City, New Jersey

														Analyte CAS RN Units RDCSRS RDCSRS-GAG NRDCSRS	ANTIMONY 7440-36-0 mg/kg 31 N/A 450		CHROMIUM 7440-47-3 mg/kg 120000 N/A N/A		NICKEL 7440-02-0 mg/kg 1600 N/A 23000		THALLIUM 7440-28-0 mg/kg N/A N/A N/A		VANADIUM 7440-62-2 mg/kg N/A 390 1100		
Grid ID (G1)	Location ID (G2)	Location Elevation (ft NAVD88) (G3, G4, G5)	As-built TEE (ft NAVD88) (G4, G6, G7)	Sample ID (G8)	Depth Interval (ft bgs) (G9)	Sample Start Elevation (ft NAVD88) (G4, G7, G10)	Sample End Elevation (ft NAVD88) (G4, G11)	Lab ID (G12)	Lab SDG (G12)	Date Collected (G13)	Sample Status (G14)	Sample Type (G15)	Validated (Y/N) (G16)	Result (G17, G18)	Qualifier (G19, G20)	Result (G17, G21)	Qualifier (G19, G20)	Result (G17, G18)	Qualifier (G19, G20)	Result (G17, G18)	Qualifier (G19, G20)	Result (G17, G18)	Qualifier (G19, G20)	Specific Notes	
G19A	143-P3A-G19A	11.9	7.0	143-P3A-G19A-13.2-13.7	13.2 - 13.7 ft	-1.3	-1.8	JB45356-20A	JB45356A	08/21/2013	remaining	N	Y	1.8	J	169	J	69.0		< 0.40	U	26.1	J		
G19A	143-P3A-G19A	11.9	7.0	143-P3A-G19A-15.1-15.6	15.1 - 15.6 ft	-3.2	-3.7	JB45356-21A	JB45356A	08/21/2013	remaining	N	Y	< 0.60	UJ	336	J	24.0	J	< 0.74	UJ	61.1	J		
G19A	143-P3A-G19A	11.9	7.0	143-P3A-G19A-15.6-16.1	15.6 - 16.1 ft	-3.7	-4.2	JB45356-22A	JB45356A	08/21/2013	remaining	N	Y	0.91	J	64.7	J	17.0	J	1.2	J	31.6	J		
G20A	143-DD1-TW1	12.2	6.6	DD1-TW1-10.0	10.0 - 10.5 ft	2.2	1.7	460-34353-2	460343531	12/05/2011	remaining	N	Y	0.73	J	76.5		12.7		0.27		24.5			
G30A	EF-52	13.5	12.4	EF-B52-2.5	2.5 - 3.0 ft	11.0	10.5	460-26847-16	460268471	05/24/2011	remaining	N	Y									22.9			
G30A	EF-52	13.5	12.4	EF-B52-10.5	10.5 - 11.0 ft	3.0	2.5	460-26847-26	460268471	05/24/2011	remaining	N	Y									21.5			
G30A	EF-52	13.5	12.4	EF-B52-16.0	16.0 - 16.5 ft	-2.5	-3.0	460-26847-27	460268471	05/24/2011	remaining	N	Y									23.3			
G30A	EF-52	13.5	12.4	EF-B52-21.0	21.0 - 21.5 ft	-7.5	-8.0	460-26847-28	460268471	05/24/2011	remaining	N	Y									28.4			
H15A	132-P3A-H15A	12.7	2.7	132-P3A-H15A-10.0-10.5	10.0 - 10.5 ft	2.7	2.2	JB34144-11	JB34144	04/12/2013	remaining	N	Y	5.5		5070	J	17.7		< 0.36	U	27.7		S3	
H15A	132-P3A-H15A	12.7	2.7	132-P3A-H15A-12.0-12.5	12.0 - 12.5 ft	0.7	0.2	JB34144-10	JB34144	04/12/2013	remaining	N	Y	7.3		8900	J	23.6		0.93	J	34.8		S3	
H15A	132-P3A-H15A	12.7	2.7	132-P3A-H15A-14.1-14.6	14.1 - 14.6 ft	-1.4	-1.9	JB34144-9	JB34144	04/12/2013	remaining	N	Y	0.32	J	190	J	11.9		< 0.28	U	26.9		S3	
H15A	132-P3A-H15A	12.7	2.7	132-P3A-H15A-14.6-15.1	14.6 - 15.1 ft	-1.9	-2.4	JB34144-7	JB34144	04/12/2013	remaining	N	Y	4.2	J	104	J	40.4	J	0.80	J	64.7	J	S3	
H15A	132-P3A-H15A	12.7	2.7	132-P3A-H15A-14.6-15.1X	14.6 - 15.1 ft	-1.9	-2.4	JB34144-8	JB34144	04/12/2013	remaining	FD	Y	2.4	J	89.9	J	35.7	J	0.58	J	63.9	J	S3	
H16A	EF-63	13.3	-3.1	EF-B63-17.5	17.5 - 18.0 ft	-4.2	-4.7	460-27119-23	460271191	06/01/2011	remaining	N	Y									27.6	J		
H19A	OSB-11	14.2	-2.3	OSB11J 16.7-17.1 805051	16.7 - 17.1 ft	-2.5	-2.9	805051	C609	02/02/2007	remaining	N	Y	< 2.1	UJ	140	J	22.2	J	< 2	U	40.5	J		
H19A	OSB-11	14.2	-2.3	OSB11K 20.7-21.2 805052	20.7 - 21.2 ft	-6.5	-7.0	805052	C609	02/02/2007	remaining	N	Y	< 1.4	UJ	13	J	8.6	J	< 1.1	U	11.4	J		
H23A	132-P3A-H23A	11.1	5.2	132-P3A-H23A-4.5-5.0	4.5 - 5.0 ft	6.6	6.1	JB34656-3	JB34656	04/18/2013	removed	N	Y	0.99	J	83.8		14.8		< 0.25	U	31.0		S5	
H23A	132-P3A-H23A	11.1	5.2	132-P3A-H23A-6.5-7.0	6.5 - 7.0 ft	4.6	4.1	JB34656-4	JB34656	04/18/2013	remaining	N	Y	< 0.26	U	22.8		17.0		0.68	J	25.9			
H23A	132-P3A-H23A	11.1	5.2	132-P3A-H23A-8.5-9.0	8.5 - 9.0 ft	2.6	2.1	JB34656-5	JB34656	04/18/2013	remaining	N	Y	0.95	J	12.1		10.1		< 0.32	U	17.9			
H23A	132-P3A-H23A	11.1	5.2	132-P3A-H23A-10.5-11.0	10.5 - 11.0 ft	0.6	0.1	JB34656-6	JB34656	04/18/2013	remaining	N	Y	1.5	J	30.2		26.4		0.56	J	33.2			
H23A	132-P3A-H23A	11.1	5.2	132-P3A-H23A-12.5-13.0	12.5 - 13.0 ft	-1.4	-1.9	JB34656-7	JB34656	04/18/2013	remaining	N	Y	45.0		101		21.4		< 0.39	U	29.3		S6	
H23A	132-P3A-H23A	11.1	5.2	132-P3A-H23A-14.0-14.5	14.0 - 14.5 ft	-2.9	-3.4	JB34656-8	JB34656	04/18/2013	remaining	N	Y	1.4	J	35.3	J	23.7	J	< 0.42	UJ	45.7	J		
H23A	132-P3A-H23A	11.1	5.2	132-P3A-H23A-14.8-15.3	14.8 - 15.3 ft	-3.7	-4.2	JB34656-9	JB34656	04/18/2013	remaining	N	Y	0.74	J	28.6		19.2		< 0.33	U	44.6			
H23A	132-P3A-H23A	11.1	5.2	132-P3A-H23A-15.3-15.8	15.3 - 15.8 ft	-4.2	-4.7	JB34656-10	JB34656	04/18/2013	remaining	N	Y	0.64	J	18.7	J	11.0	J	< 0.70	UJ	29.5	J		
I24A	132-B7	13.1	7.1	132B7D 8.5-9.0 804676	8.5 - 9.0 ft	4.6	4.1	804676	C547	02/01/2007	remaining	N	Y	< 1.9	UJ	295	J	26.6		< 1.5	U	32.6			
I24A	132-B7	13.1	7.1	132B7E 12.0-12.5 804677	12.0 - 12.5 ft	1.1	0.6	804677	C547	02/01/2007	remaining	N	Y	< 1.2	UJ	14.3	J	9.1		< 1.2	UJ	13.8			
I26A	132-J26A-SW	14.7	8.0	132-J26A-SW-W-10.0-10.5	10.0 - 10.5 ft	4.7	4.2	JC55437-6A	JC55437A	11/14/2017	remaining	N	Y	< 0.42	UJ	22.8		12.4		< 0.45	U	35.2		S7	
I26A	132-J26A-SW	14.7	8.0	132-J26A-SW-W-10.0-10.5X	10.0 - 10.5 ft	4.7	4.2	JC55437-7A	JC55437A	11/14/2017	remaining	FD	Y	< 0.44	UJ	23.4		14.0		< 0.47	U	36.3		S7	
I26A	132-J26A-SW	14.7	8.0	132-J26A-SW-W-12.0-12.5	12.0 - 12.5 ft	2.7	2.2	JC55437-8A	JC55437A	11/14/2017	remaining	N	Y	< 0.45	UJ	24.0		13.0		< 0.49	U	39.4		S7	
I26A	132-J26A-SW	14.7	8.0	132-J26A-SW-W-14.0-14.5	14.0 - 14.5 ft	0.7	0.2	JC55437-9A	JC55437A	11/14/2017	remaining	N	Y	< 0.46	UJ	17.6		10.4		< 0.50	U	31.2		S7	
I26A	132-J26A-SW	14.7	8.0	132-J26A-SW-W-16.0-16.5	16.0 - 16.5 ft	-1.3	-1.8	JC55437-10A	JC55437A	11/14/2017	remaining	N	Y	< 0.47	UJ	38.0		12.3		< 0.50	U	33.8		S7	
I26A	132-J26A-SW	14.7	8.0	132-J26A-SW-W-18.0-18.5	18.0 - 18.5 ft	-3.3	-3.8	JC55437-11A	JC55437A	11/14/2017	remaining	N	Y	< 0.39	UJ	147		22.9		< 0.84	U	26.4		S7	
I27A																									

Table 5-2
CCPW Metals Analytical Results for In-Place Soil Compared to Soil Remediation Standards
Site 132, Garfield Avenue Group
PPG, Jersey City, New Jersey

Analyte CAS RN Units RDCSRS RDCSRS-GAG NRDCSRS																								
ANTIMONY 7440-36-0 mg/kg 31 N/A 450																								
CHROMIUM 7440-47-3 mg/kg 120000 N/A N/A																								
NICKEL 7440-02-0 mg/kg 1600 N/A 23000																								
THALLIUM 7440-28-0 mg/kg N/A N/A N/A																								
VANADIUM 7440-62-2 mg/kg N/A 390 1100																								
Grid ID (G1)	Location ID (G2)	Location Elevation (ft NAVD88) (G3, G4, G5)	As-built TEE (ft NAVD88) (G4, G6, G7)	Sample ID (G8)	Depth Interval (ft bgs) (G9)	Sample Start Elevation (ft NAVD88) (G4, G7, G10)	Sample End Elevation (ft NAVD88) (G4, G11)	Lab ID (G12)	Lab SDG (G12)	Date Collected (G13)	Sample Status (G14)	Sample Type (G15)	Validated (Y/N) (G16)	Result (G17, G18)	Qualifier (G19, G20)	Result (G17, G21)	Qualifier (G19, G20)	Result (G17, G18)	Qualifier (G19, G20)	Result (G17, G18)	Qualifier (G19, G20)	Result (G17, G18)	Qualifier (G19, G20)	Specific Notes
J16A	EF-62	13.4	-4.2	EF-B62-17.5	17.5 - 18.0 ft	-4.1	-4.6	460-27119-17	460271191	06/01/2011	remaining	N	Y									42.5		
J19A	132-J19A-PB	12.2	-3.5	132-J19A-PB-15.6-16.1	15.6 - 16.1 ft	-3.4	-3.9	JB73660-4A	JB73660A	08/08/2014	remaining	N	Y	< 0.79	UJ	24.5	J	21.0	J	< 1.2	UJ	37.0	J	
J27A	132-P3A-MW104I	10.9	-4.0	132-P3A-MW104I-38.0-38.5	38.0 - 38.5 ft	-27.1	-27.6	JC3896-2A	JC3896A	09/03/2015	remaining	N	Y			5.0								
J27A	132-P3A-MW104I	10.9	-4.0	132-P3A-MW104I-38.0-38.5X	38.0 - 38.5 ft	-27.1	-27.6	JC3896-3A	JC3896A	09/03/2015	remaining	FD	Y			4.8								
J27A	132-P3A-MW104I	10.9	-4.0	132-P3A-MW104I-43.5-44.0	43.5 - 44.0 ft	-32.6	-33.1	JC3896-4A	JC3896A	09/03/2015	remaining	N	Y			7.1								
J27A	132-P3A-MW104I	10.9	-4.0	132-P3A-MW104I-47.5-48.0	47.5 - 48.0 ft	-36.6	-37.1	JC3896-5A	JC3896A	09/03/2015	remaining	N	Y			4.8								
K19A	EF-31	13.9	-3.1	EF-B31-18.0	18.0 - 18.5 ft	-4.1	-4.6	460-25599-21	460255991	04/20/2011	removed	N	Y	< 7.2	UJ	40400		710		< 7.9	U	250		S5, S8
K19A	EF-31	13.9	-3.1	EF-B31-22.0	22.0 - 22.5 ft	-8.1	-8.6	460-25599-22	460255991	04/20/2011	remaining	N	Y	< 0.95	UJ	21.9		8.5	J	< 1.0	U	16.3		
K20A	132-B8	12.1	-3.0	132B8F_16.9-17.5_803639	16.9 - 17.5 ft	-4.8	-5.4	803639	C407	01/29/2007	remaining	N	Y	< 2.1	UJ	130		15	J	< 1.7	U	20.8	J	
K20A	132-B8	12.1	-3.0	132B8G_17.7-18.1_803640	17.7 - 18.1 ft	-5.6	-6.0	803640	C407	01/29/2007	remaining	N	Y	< 1.4	UJ	25.1		10.1	J	< 1.1	U	12.3	J	
K21A	132-P3A-MW103I	11.0	-3.3	132-P3A-MW103I-35.0-35.5	35.0 - 35.5 ft	-24.0	-24.5	JC3896-8A	JC3896A	09/09/2015	remaining	N	Y			38.5								
K21A	132-P3A-MW103I	11.0	-3.3	132-P3A-MW103I-40.0-40.5	40.0 - 40.5 ft	-29.0	-29.5	JC3896-9A	JC3896A	09/10/2015	remaining	N	Y			29.7								
K21A	132-P3A-MW103I	11.0	-3.3	132-P3A-MW103I-44.0-44.5	44.0 - 44.5 ft	-33.0	-33.5	JC3896-10A	JC3896A	09/10/2015	remaining	N	Y			40.2								
K23A	EF-30A	11.0	-4.1	EF-B30A-12.0	12.0 - 12.5 ft	-1.0	-1.5	460-25657-4	460256571	04/21/2011	removed	N	Y	< 6.7	U	41900		636		< 7.4	U	397	J	S9
K23A	EF-30A	11.0	-4.1	EF-B30A-16.0	16.0 - 16.5 ft	-5.0	-5.5	460-25657-5	460256571	04/21/2011	remaining	N	Y	< 0.99	U	120		13.4		< 1.1	U	17.6	J	
K23A	EF-30A	11.0	-4.1	EF-B30A-22.0	22.0 - 22.5 ft	-11.0	-11.5	460-25657-6	460256571	04/21/2011	remaining	N	Y	< 0.98	U	17.5		8.6	J	< 1.1	U	18.6	J	
L28A	132-P3A-L28A	14.2	-4.1	132-P3A-L28A-18.3-18.8	18.3 - 18.8 ft	-4.1	-4.6	JB34894-4A	JB34894	04/19/2013	remaining	N	Y	< 0.51	UJ	61.0	J	9.3	J	0.79	J	23.9	J	
L29A	137-L29A-PB	15.0	-5.0	137-L29A-PB-20.0-20.05	20.0 - 20.5 ft	-5.0	-5.5	JB86254-1	JB86254	01/13/2015	remaining	N	Y	< 0.51	U	179		26.8		< 0.77	U	46.0		
L30A	EF-51	13.8	-4.5	EF-B51-20.5	20.5 - 21.0 ft	-6.7	-7.2	460-26847-12	460268471	05/24/2011	remaining	N	Y									26.7		
M19A	137-M19A-PB	14.0	-0.8	137-M19A-PB-14.8-15.3	14.8 - 15.3 ft	-0.8	-1.3	JB83045-3A	JB83045A	12/02/2014	remaining	N	Y	< 0.70	UJ	29.1	J	22.5	J	< 1.1	UJ	44.8	J	S3
M28A	137-B9	15.1	-6.0	137B9J_20.0-20.5_801734	20.0 - 20.5 ft	-4.9	-5.4	801734	C185	01/23/2007	removed	N	Y	< 2	UJ	404	J	23.9		< 1.7	U	37		S3
M28A	137-B9	15.1	-6.0	137B9K_22.5-22.9_801735	22.5 - 22.9 ft	-7.4	-7.8	801735	C185	01/23/2007	remaining	N	Y	< 1.4	UJ	62.2	J	7.4		< 1.1	U	16.1		S3

Table 5-2
CCPW Metals Analytical Results for In-Place Soil Compared to Soil Remediation Standards
Site 132, Garfield Avenue Group
PPG, Jersey City, New Jersey

ABBREVIATIONS:

bgs - below ground surface
CAS RN - Chemical Abstracts Service Registry Number
CCPW - Chromate Chemical Production Waste
Cr - chromium
Cr⁺³ - trivalent chromium
El. - elevation
FD - field duplicate sample type
ft - feet
GGM - green-gray mud
mg/kg - milligrams per kilogram
N - normal sample type
N/A - not applicable
NAVD88 - North American Vertical Datum of 1988
NJDEP - New Jersey Department of Environmental Protection
NRDCSRS - Non-Residential Direct Contact Soil Remediation Standard
RDCSRS - Residential Direct Contact Soil Remediation Standard
RDCSRS-GAG - Residential Direct Contact Soil Remediation Standard - Garfield Avenue Group (alternative remediation standard approved by the New Jersey Department of Environmental Protection on December 28, 2016)
RI - Remedial Investigation
SCC - Soil Cleanup Criteria
SDG - sample delivery group
SRS - Soil Remediation Standard
TEE - terminal excavation elevation
UND - undisturbed native deposit

QUALIFIERS:

J - The result was an estimated value; the associated numerical value was an approximate concentration of the analyte in the sample.
U - The analyte was not detected above the sample reporting limit shown.
UJ - The analyte was not detected above the sample reporting limit shown and the reporting limit was approximate.

GENERAL NOTES:

G1. "Grid ID" refers to an area, typically 30 ft by 30 ft, identified as Grid Rows A' through M (extending west to east) and Grid Columns 30A through 15A (extending from south to north).
G2. "Location ID" refers to the location name where samples were collected.
G3. "Location Elevation" refers to the pre-remediation surface elevation for samples collected from the pit bottom, and the surface elevation of the sample location when the sample was collected via boring or test pit.
G4. Elevation vertical datum is NAVD88, in U.S. survey ft.
G5. For some borings, the Location Elevations presented in this table were revised compared to the Location Elevations used in the proposed TEE Technical Memoranda. The revisions were based on a review of available survey data for individual locations, site-wide topographical surveys, and field notes to provide the most accurate and representative ground surface elevations. In addition, ground surface elevations for borings advanced prior to 2011 were reviewed and, if necessary, converted from the site-specific vertical datum used prior to 2011 into NAVD88.
G6. "As-built TEE" refers to the pit bottom elevation of the grid. However, a grid may be split and have two as-built TEEs.
G7. In some grids, the sample start elevation of the pit bottom sample (typically designated by "PB" in the Location ID) and the as-built TEE are slightly different (typically 0.5 ft or less) because separate elevation measurements were taken for the pit bottom sample and the as-built TEE.
G8. "Sample ID" refers to the name of a sample collected at a given location and is unique to the depth of the sample collected. The depth listed in the Sample ID may not necessarily correspond to the actual sample depth interval due to corrections made as a result of post-field work review of surveyed surface elevations and/or boring logs.
G9. "Depth Interval" is based on the "Location Elevation."
G10. "Sample Start Elevation" refers to the start of the sample interval. There may be up to 0.1 ft variation between the listed Sample Start Elevation and the elevation calculated using the Location Elevation and Depth Interval due to rounding of the numbers.
G11. "Sample End Elevation" refers to the end of the sample interval. There may be up to 0.1 ft variation between the listed Sample End Elevation and the elevation calculated using the Location Elevation and Depth Interval due to rounding of the numbers.
G12. "Lab ID" refers to the identification number assigned to the sample by the analytical laboratory performing the sample analysis. "Lab SDG" refers to the delivery group number assigned to the sample by the analytical laboratory.
G13. "Date Collected" refers to the date the soil sample was collected.
G14. "Sample Status" indicates whether a sample is remaining or removed:
- "Remaining" indicates the soil in that interval is outside the excavation footprint, and remains in-place at that location; and
- "Removed" indicates the sample was removed during excavation.
G15. "Sample Type" indicates whether the sample type is normal (N) or a field duplicate (FD).
G16. "Y" indicates that a sample underwent data validation and "N" indicates that data validation was not conducted.
G17. "Result" refers to the analytical result which is reported in mg/kg. A blank entry indicates that the sample was not tested for that analyte.
G18. Bold text indicates that the result exceeds the RDCSRS or RDCSRS-GAG. Bold and italicized text indicates that the result exceeds the NRDCSRS. Non-bold and non-italicized text indicates that the result does not exceed the most stringent SRS.
G19. "Qualifier" refers to the data qualifier assigned by the data validation team reviewing the data from the laboratory for validated data. For unvalidated data, it refers to the qualifier assigned by the laboratory.
G20. Non-detect results are shown on this table using the Method Detection Limit, if available; otherwise they are shown at the Reporting Limit.

Table 5-2
CCPW Metals Analytical Results for In-Place Soil Compared to Soil Remediation Standards
Site 132, Garfield Avenue Group
PPG, Jersey City, New Jersey

G21. There is currently no NJDEP SRS and no NJDEP SCC for total Cr. Therefore, total Cr results are compared to the interim NJDEP Residential SCC for Cr⁺³ of 120,000 mg/kg as the cleanup criteria for soil at the Garfield Avenue Group Sites. There is no non-residential SCC for Cr⁺³. Bold values indicate a result that exceeds the interim NJDEP Residential SCC.

SPECIFIC NOTES:

S1. In Grid A'21A, sidewall samples from location 143-A21A-SW collected from the Clean Corridor excavation along the Garfield Avenue right-of-way were used in the evaluation of compliance for the portion of this grid located within Site 132.

In addition, two samples plus a field duplicate sample were collected on May 23, 2018 from location 132-A'21A-SB to the west of this sidewall and analyzed for antimony to provide delineation of the concentration in sample 143-A21A-SW-2.4-2.9 that is greater than the RDCSRS (discussed in Specific Note S2). These samples (132-A'21A-SB-2.9-3.4, 132-A'21A-SB-4.9-5.4, and 132-A'21A-SB-4.9-5.4X) represent remaining conditions because they were collected from beyond the horizontal extent of excavation at Site 132.

S2. In Grid A'21A, the antimony concentration in sample 143-A21A-SW-2.4-2.9 is 34.1 mg/kg. This concentration is greater than the RDCSRS of 31 mg/kg and less than the NRDCSRS of 450 mg/kg. This sample is located in the Garfield Avenue right-of-way, which is a non-residential area; therefore, this sample is not out of compliance because its result does not exceed the NRDCSRS. However, this sample was collected from the western sidewall of the Site 132 excavation and was intended to represent conditions at the limits of the property. As a result, compliance averaging was conducted on this antimony result, and compliance with the antimony RDCSRS is demonstrated through spatial averaging. The calculations are included in the Technical Memorandum *PPG Site 132, Compliance Averaging for Antimony in Soil (Revision 1)*, AECOM, June 2018 (see Appendix G). The spatially weighted average antimony concentration is 2 mg/kg, which is compliant with the 31 mg/kg RDCSRS.

S3. In Grids A24A, B20A, D20A, H15A, M19A, and M28A, which straddle the Site 132 boundary, samples from the portion of these grids outside Site 132 are included on this table to meet the requirement for 10 percent of the site grids to have a pit bottom sample analyzed for CCPW metals. This includes removed sample 143-P3A-B20A-2.5-3.0 from Grid B20A, removed sample PPG-143-B3E_6.4-6.9_799359 from Grid D20A, and removed sample 137B9J_20.0-20.5_801734 from Grid M28A.

S4. In Grid A24A, removed sample 132-P3A-A24A-2.5-3.0 (El. 11.1 to 10.6 ft NAVD88) is included on this table for delineation of the antimony concentration in sample 143-A21A-SW-2.4-2.9 that is greater than the RDCSRS in Grid A'21A, as discussed in the Technical Memorandum *PPG Site 132, Compliance Averaging for Antimony in Soil (Revision 1)*, AECOM, June 2018 (see Appendix G).

S5. In Grids C30A, G19A, H23A, I27A, and K19A, removed samples from within the Site 132 boundary are included on this table to meet the requirement for 10 percent of the site grids to have a pit bottom sample analyzed for CCPW metals.

S6. In Grid H23A, the antimony concentration in sample 132-P3A-H23A-12.5-13.0 is 45.0 mg/kg. This concentration is greater than the RDCSRS of 31 mg/kg and less than the NRDCSRS of 450 mg/kg. Compliance with the antimony RDCSRS is demonstrated through spatial averaging. The calculations are included in the Technical Memorandum *PPG Site 132, Compliance Averaging for Antimony in Soil (Revision 1)*, AECOM, June 2018 (see Appendix G). The spatially weighted average antimony concentration is 30 mg/kg, which is compliant with the 31 mg/kg RDCSRS.

S7. In November 2017, four borings were installed in Grids G24A, I23A, I26A, and I29A to collect boring samples to serve as sidewall samples within Site 132. This work was conducted in accordance with the work plan entitled *Site 132 Sidewall Sampling Plan to NJDEP/Weston* (AECOM, October 3, 2017), as approved by NJDEP/Weston on October 11, 2017. Per the approved Work Plan, the samples from one of the 2017 borings (132-J26A-SW in Grid I26A) were analyzed for CCPW metals.

S8. In Grid K19A, RI sample EF-B31-18.0 appears to be remaining but was actually removed. Based on the estimated sample elevation (El. -4.1 to -4.6 ft NAVD88) as compared to the surveyed as-built TEE (El. -3.1 ft NAVD88), this sample appears to be remaining in place; however, based on the boring log, this sample was collected from fill above the former canal bottom. The excavation field notes indicate that the fill material was removed and this grid was excavated to visually clean UND.

S9. In Grid K23A, removed sample EF-B30A-12.0 (El. -1.0 to -1.5 ft NAVD88) is included on this table for delineation of the antimony concentration at location 132-P3A-H23A in Grid H23A that is greater than the RDCSRS (discussed in Specific Note S6), as discussed in the Technical Memorandum *PPG Site 132, Compliance Averaging for Antimony in Soil (Revision 1)*, AECOM, June 2018 (see Appendix G).

The vanadium result in removed sample EF-B30A-12.0 (El. -1.0 to -1.5 ft NAVD88) is greater than the RDCSRS-GAG; however, this sample does not represent soils remaining in place. This sample was collected from GGM, and the excavation field notes indicate that the GGM was removed and this grid was excavated to visually clean MM. The as-built TEE for this grid is El. -4.1 ft NAVD88; the next vanadium sample is EF-B30A-16.0 (El. -5.0 to -5.5 ft NAVD88), which was collected from the first interval of UND below GGM. (MM was not observed in boring EF-30A.) The vanadium result for sample EF-B30A-16.0 is less than the RDCSRS-GAG. The discrepancy between the elevation of sample EF-B30A-16.0 (El. -5.0 to -5.5 ft NAVD88) and the as-built TEE for this grid (El. -4.1 ft NAVD88) is due to undulations in the MM surface. Therefore, fill material with vanadium at concentrations greater than the RDCSRS-GAG is not remaining in place in this grid.

Table 5-3
CCPW Metals Analytical Results in the Unsaturated Soil Zone Compared to IGW Soil Screening Level and Soil Remediation Standards
Site 132, Garfield Avenue Group
PPG, Jersey City, New Jersey

Analyte CAS RN Units DIGWSSL IGWSRS-GAG															ANTIMONY 7440-36-0 mg/kg N/A 62.7		CHROMIUM 7440-47-3 mg/kg N/A N/A		NICKEL 7440-02-0 mg/kg N/A 170		THALLIUM 7440-28-0 mg/kg 3 N/A		VANADIUM 7440-62-2 mg/kg N/A N/A		
Grid ID (G1)	Location ID (G2)	Location Elevation (ft NAVD88) (G3, G4, G5)	As-built TEE (ft NAVD88) (G4, G6)	Sample ID (G7, G8)	Depth Interval (ft bgs) (G9)	Sample Start Elevation (ft NAVD88) (G4, G7, G8, G10)	Sample End Elevation (ft NAVD88) (G4, G11)	Lab ID (G12)	Lab SDG (G12)	Date Collected (G13)	Sample Status (G14)	Sample Type (G15)	Validated (Y/N) (G16)	Groundwater Elevation (ft NAVD88) (G8)	Result (G17, G18)	Qualifier (G19, G20)	Result (G17, G18)	Qualifier (G19, G20)	Result (G17, G18)	Qualifier (G19, G20)	Result (G17, G18)	Qualifier (G19, G20)	Result (G17, G18)	Qualifier (G19, G20)	Specific Notes
A'21A	143-A21A-SW	12.6	9.1	143-A21A-SW-0.4-0.9	0.4 - 0.9 ft	12.2	11.7	JB73945-5A	JB73945A	08/13/2014	remaining	N	Y	6.9	< 0.31 U		13.7		9.6		< 0.47 U		22.1		S1
A'21A	143-A21A-SW	12.6	9.1	143-A21A-SW-2.4-2.9	2.4 - 2.9 ft	10.2	9.7	JB73945-6A	JB73945A	08/13/2014	remaining	N	Y	6.9	34.1		28.0		16.7		< 0.48 U		28.2		S1
A'21A	132-A'21A-SB	13.2	9.1	132-A'21A-SB-2.9-3.4	2.9 - 3.4 ft	10.3	9.8	JC66661-2	JC66661	05/23/2018	remaining	N	Y	6.9	0.42 J										S1
A'21A	132-A'21A-SB	13.2	9.1	132-A'21A-SB-4.9-5.4	4.9 - 5.4 ft	8.3	7.8	JC66661-3	JC66661	05/23/2018	remaining	N	Y	6.9	< 0.46 UJ										S1
A'21A	132-A'21A-SB	13.2	9.1	132-A'21A-SB-4.9-5.4X	4.9 - 5.4 ft	8.3	7.8	JC66661-4	JC66661	05/23/2018	remaining	FD	Y	6.9	0.47 J										S1
A24A	132-B2	13.1	9.0	132B2B_4.4-4.9_803857	4.4 - 4.9 ft	8.7	8.2	803857	C438	01/30/2007	remaining	N	Y	6.9	< 1.5 UJ		17 J		13.2		< 1.5 U		22.9		
A24A	132-B2	13.1	9.0	132B2C_5.0-5.5_803859	5.0 - 5.5 ft	8.1	7.6	803859	C438	01/30/2007	remaining	N	Y	6.9	< 1.3 UJ		10.1 J		8.3		< 1.2 U		15.2		
A24A	132-B2	13.1	9.0	132B2E_6.0-6.5_803870	6.0 - 6.5 ft	7.1	6.6	803870	C438	01/30/2007	remaining	N	Y	6.9	< 1.4 UJ		14 J		15.6		< 1.3 U		19.4		
A27A	132-B1	13.6	12.8	132B1B_1.0-1.9_803865	1.0 - 1.9 ft	12.6	11.7	803865	C438	01/30/2007	remaining	N	Y	6.9	< 1.1 UJ		14.3 J		9.3		< 1.1 U		19.5		
A27A	132-B1	13.6	12.8	132B1E_4.4-4.8_804219	4.4 - 4.8 ft	9.2	8.8	804219	C482	01/31/2007	remaining	N	Y	6.9	< 1.4 UJ		11.3		9.9		< 1.2 U		19		
C30A	132-MW2C	14.9	13.9	1322CB_2.0-2.5_804230	2.0 - 2.5 ft	12.9	12.4	804230	C482	01/31/2007	remaining	N	Y	6.9	< 1.4 UJ		40.7		21.2		< 1.1 U		24.1		
C30A	132-MW2C	14.9	13.9	1322CC_3.1-3.5_804231	3.1 - 3.5 ft	11.8	11.4	804231	C482	01/31/2007	remaining	N	Y	6.9	< 1.3 UJ		14.5		11		< 1.1 U		22.5		
C30A	132-MW2C	14.9	13.9	132-2CE_5.5-6.0_814826	5.5 - 6.0 ft	9.4	8.9	814826	E120	03/19/2007	remaining	N	Y	6.9	< 1.6 UJ		9.8		15.6		< 1.3 U		25.1		
C30A	132-MW2C	14.9	13.9	132-2CF_7.4-7.9_814827	7.4 - 7.9 ft	7.5	7.0	814827	E120	03/19/2007	remaining	N	Y	6.9	< 1.4 UJ		12.2		7.6		< 1.1 U		21.3		
C30A	EF-53	14.7	13.9	EF-B53-2.5	2.5 - 3.0 ft	12.2	11.7	460-26847-14	460268471	05/24/2011	remaining	N	Y	6.9									22.6		
C30A	EF-53	14.7	13.9	EF-B53-5.0	5.0 - 5.5 ft	9.7	9.2	460-26847-22	460268471	05/24/2011	remaining	N	Y	6.9									24.8		
E22A	132-P3A-E22A	14.1	8.9	132-P3A-E22A-6.5-7.0	6.5 - 7.0 ft	7.6	7.1	JB38148-4	JB38148	05/28/2013	remaining	N	Y	6.9	3.4 J		260 J		50.4		1.3 J		112		
E26A	132-B4	13.4	12.4	132B4A_0.7-1.1_804678	0.7 - 1.1 ft	12.7	12.3	804678	C547	02/01/2007	remaining	N	Y	6.9	< 1.1 UJ		2.1 J		< 0.9 U		< 1.1 UJ		11.6		
E26A	132-B4	13.4	12.4	132B4B_1.9-2.4_804679	1.9 - 2.4 ft	11.5	11.0	804679	C547	02/01/2007	remaining	N	Y	6.9	2.4 J		53.3 J		21.5		< 1.2 UJ		31.3		
E26A	132-B4	13.4	12.4	132B4C_5.1-5.5_804680	5.1 - 5.5 ft	8.3	7.9	804680	C547	02/01/2007	remaining	N	Y	6.9	< 1.2 UJ		10.8 J		8.5		< 1.2 UJ		16		
F22A	EF-55	14.0	7.1	EF-B55-7.0	7.0 - 7.5 ft	7.0	6.5	460-26847-19	460268471	05/24/2011	remaining	N	Y	6.9									81.1		
F30A	132-B3	14.2	13.3	132B3C_0.95-1.6_804239	0.9 - 1.6 ft	13.3	12.6	804239	C482	01/31/2007	remaining	N	Y	6.9	2.3 J		14.1		18.8		< 1.3 U		23.1		
F30A	132-B3	14.2	13.3	132B3D_1.6-2.1_804240	1.6 - 2.1 ft	12.6	12.1	804240	C482	01/31/2007	remaining	N	Y	6.9	< 1.5 UJ		150		19.8		< 1.2 U		18.2		
F30A	132-B3	14.2	13.3	132B3E_2.1-2.5_804241	2.1 - 2.5 ft	12.1	11.7	804241	C482	01/31/2007	remaining	N	Y	6.9	< 1.3 UJ		39.8		12.2		< 1.1 U		16.8		
F30A	132-B3	14.2	13.3	132B3F_3.6-3.85_804242	3.6 - 3.8 ft	10.6	10.4	804242	C482	01/31/2007	remaining	N	Y	6.9	< 1.7 UJ		11.8		12.4		< 1.4 U		16.5		
F30A	132-B3	14.2	13.3	132B3G_4.0-4.5_806753	4.0 - 4.5 ft	10.2	9.7	806753	C844	02/09/2007	remaining	N	Y	6.9	3.9 J		47.4		20.2		< 1.3 U		22.3		
F30A	132-B3	14.2	13.3	132B3H_5.3-6.2_806754	5.3 - 6.2 ft	8.9	8.0	806754	C844	02/09/2007	remaining	N	Y	6.9	< 1.6 UJ		13.2		13		< 1.3 U		25.2		
F30A	132-B3	14.2	13.3	132B3HD_5.3-6.2_806755	5.3 - 6.2 ft	8.9	8.0	806755	C844	02/09/2007	remaining	FD	Y	6.9	< 1.8 UJ		13.6		11.8		< 1.4 U		26.3		
G30A	EF-52	13.5	12.4	EF-B52-2.5	2.5 - 3.0 ft	11.0	10.5	460-26847-16	460268471	05/24/2011	remaining	N	Y	6.9									22.9		
I30A	132-P3A-I30A	14.0	7.9	132-P3A-I30A-6.0-6.5	6.0 - 6.5 ft	8.0	7.5	JB32201-1	JB32201	03/22/2013	remaining	N	Y	6.9	5.0 J		234		37.4		< 0.83 U		35.6		

Table 5-3
CCPW Metals Analytical Results in the Unsaturated Soil Zone Compared to IGW Soil Screening Level and Soil Remediation Standards
Site 132, Garfield Avenue Group
PPG, Jersey City, New Jersey

ABBREVIATIONS:

bgs - below ground surface
CAS RN - Chemical Abstracts Service Registry Number
CCPW - Chromate Chemical Production Waste
DIGWSSL - Default Impact to Groundwater Soil Screening Level
El. - elevation
FD - field duplicate sample type
ft - feet
IGW - Impact to Groundwater
IGWSRS-GAG - Impact to Groundwater Soil Remediation Standard - Garfield Avenue Group (alternative remediation standard as proposed in the *Supplemental Soil Remedial Investigation Report, Final (Revision 1)*, dated August 30, 2018 and approved by NJDEP on October 22, 2018)
mg/kg - milligrams per kilogram
N - normal sample type
N/A - not applicable
NAVD88 - North American Vertical Datum of 1988
NJDEP - New Jersey Department of Environmental Protection
SDG - sample delivery group
TEE - terminal excavation elevation

QUALIFIERS:

J - The result was an estimated value; the associated numerical value was an approximate concentration of the analyte in the sample.
U - The analyte was not detected above the sample reporting limit shown.
UJ - The analyte was not detected above the sample reporting limit shown and the reporting limit was approximate.

GENERAL NOTES:

G1. “Grid ID” refers to an area, typically 30 ft by 30 ft, identified as Grid Rows A’ through M (extending west to east) and Grid Columns 30A through 15A (extending from south to north).
G2. “Location ID” refers to the location name where samples were collected.
G3. “Location Elevation” refers to the pre-remediation surface elevation for samples collected from the pit bottom, and the surface elevation of the sample location when the sample was collected via boring or test pit.
G4. Elevation vertical datum is NAVD88, in U.S. survey ft.
G5. For some borings, the Location Elevations presented in this table were revised compared to the Location Elevations used in the proposed TEE Technical Memoranda. The revisions were based on a review of available survey data for individual locations, site-wide topographical surveys, and field notes to provide the most accurate and representative ground surface elevations. In addition, ground surface elevations for borings advanced prior to 2011 were reviewed and, if necessary, converted from the site-specific vertical datum used prior to 2011 into NAVD88.
G6. “As-built TEE” refers to the pit bottom elevation of the grid. However, a grid may be split and have two as-built TEEs.
G7. “Sample ID” refers to the name of a sample collected at a given location and is unique to the depth of the sample collected. The depth listed in the Sample ID may not necessarily correspond to the actual sample depth interval due to corrections made as a result of post-field work review of surveyed surface elevations and/or boring logs.
G8. This table compares sample results from the unsaturated zone to the DIGWSSL and IGWSRSs. The groundwater elevation (above which is the unsaturated zone) on this Site was estimated as the 50th percentile groundwater elevation from nine monitoring wells located on or adjacent to Site 132 gauged between May 2007 and December 2016. The monitoring well locations and data are included in Appendix A. The estimated groundwater elevation for this Site is El. 6.9 ft NAVD88.
G9. “Depth Interval” is based on the “Location Elevation.”
G10. “Sample Start Elevation” refers to the start of the sample interval. There may be up to 0.1 ft variation between the listed Sample Start Elevation and the elevation calculated using the Location Elevation and Depth Interval due to rounding of the numbers.
G11. “Sample End Elevation” refers to the end of the sample interval. There may be up to 0.1 ft variation between the listed Sample End Elevation and the elevation calculated using the Location Elevation and Depth Interval due to rounding of the numbers.
G12. “Lab ID” refers to the identification number assigned to the sample by the analytical laboratory performing the sample analysis. “Lab SDG” refers to the delivery group number assigned to the sample by the analytical laboratory.
G13. “Date Collected” refers to the date the soil sample was collected.
G14. “Sample Status” of “remaining” indicates the soil in that interval is outside the excavation footprint, and remains in-place at that location.
G15. “Sample Type” indicates whether the sample type is normal (N) or a field duplicate (FD).
G16. “Y” indicates that a sample underwent data validation and “N” indicates that data validation was not conducted.
G17. “Result” refers to the analytical result which is reported in mg/kg. A blank entry indicates that the sample was not tested for that analyte.
G18. Bold text indicates that the result exceeds the DIGWSSL or IGWSRS. Non-bold text indicates that the result does not exceed the DIGWSSL or IGWSRS.
G19. “Qualifier” refers to the data qualifier assigned by the data validation team reviewing the data from the laboratory for validated data. For unvalidated data, it refers to the qualifier assigned by the laboratory.
G20. Non-detect results are shown on this table using the Method Detection Limit, if available; otherwise they are shown at the Reporting Limit.

SPECIFIC NOTES:

S1. In Grid A'21A, sidewall samples from location 143-A21A-SW collected from the Clean Corridor excavation along the Garfield Avenue right-of-way were used in the evaluation of compliance for the portion of this grid located within Site 132.

In addition, two samples plus a field duplicate sample were collected on May 23, 2018 from location 132-A'21A-SB to the west of this sidewall and analyzed for antimony. These samples (132-A'21A-SB-2.9-3.4, 132-A'21A-SB-4.9-5.4, and 132-A'21A-SB-4.9-5.4X) represent remaining conditions because they were collected from beyond the horizontal extent of excavation at Site 132.

Table 5-4
Field Change Notification Tracking Sheet
Site 132, Garfield Avenue Group
PPG, Jersey City, New Jersey

Field Change Notification No.	Date of Submittal	Description of Field Change Notification
1 SWTEP	4/12/2012	CCPW transportation procedures (MHF Facility)
SWTEP 1	5/7/2012	Total chromium no longer required on pit bottom samples (10% only)
SWTEP 2	5/21/2012	Termination of excavation before Meadow Mat
SWTEP 3	6/22/2012	Relocation of Soil Stockpile Area
SWTEP 4	7/9/2012	SWTEP CCPW excavation change
SWTEP 5	8/14/2012	New backfill source added: Liberty Aggregates, 50 Caven Point Avenue, Jersey City, NJ
SWTEP 7	6/19/2013	New backfill source added: Tilcon, 625 Mount Hope Rd, Wharton, NJ
SWTEP 7 (Rev 1)	7/3/2013	New backfill source added: Tilcon, Broad Street, Pompton Lakes, NJ
GA Group 8	9/13/2013	Backfill Process Improvements
GA Group 10	12/2/2013	New backfill source added: Stavola, 810 Thompson Ave Bound Brook, NJ
GA Group 11	1/8/2014	New backfill source added: Weldon, 1 New Providence Road, Watchung, NJ
GA Group 13	1/30/2014	Application of Quicklime as a soil drying agent
GA Group 14	2/27/2014	Phase 3A Excavation and Backfill Traffic Routes
GA Group 15	3/12/2014	FerroBlack®-H Dosage Option in Phase 2B-2, 3A, 3B, and 3C Areas
GA Group 16	6/27/2014	Reduction in Frequency of Virgin Backfill Sampling
GA Group 17	7/8/2014	Process to Maintain Competency of Carteret Avenue
GA Group 16A	7/24/2015	Reduction in Frequency of Quarry/Mine Backfill Sampling Requirement, Updated Fill Guidance

Notes:

CCPW - Chromate Chemical Production Waste

GA - Garfield Avenue

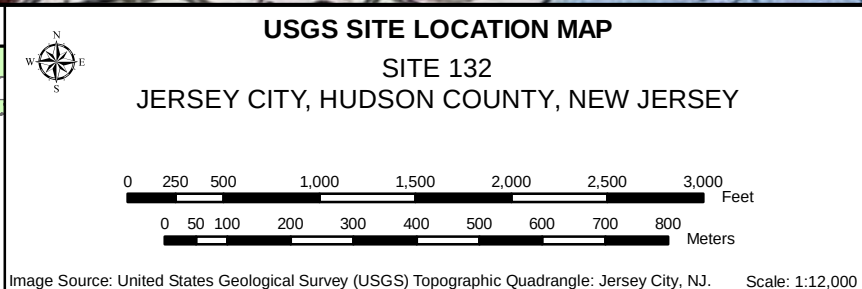
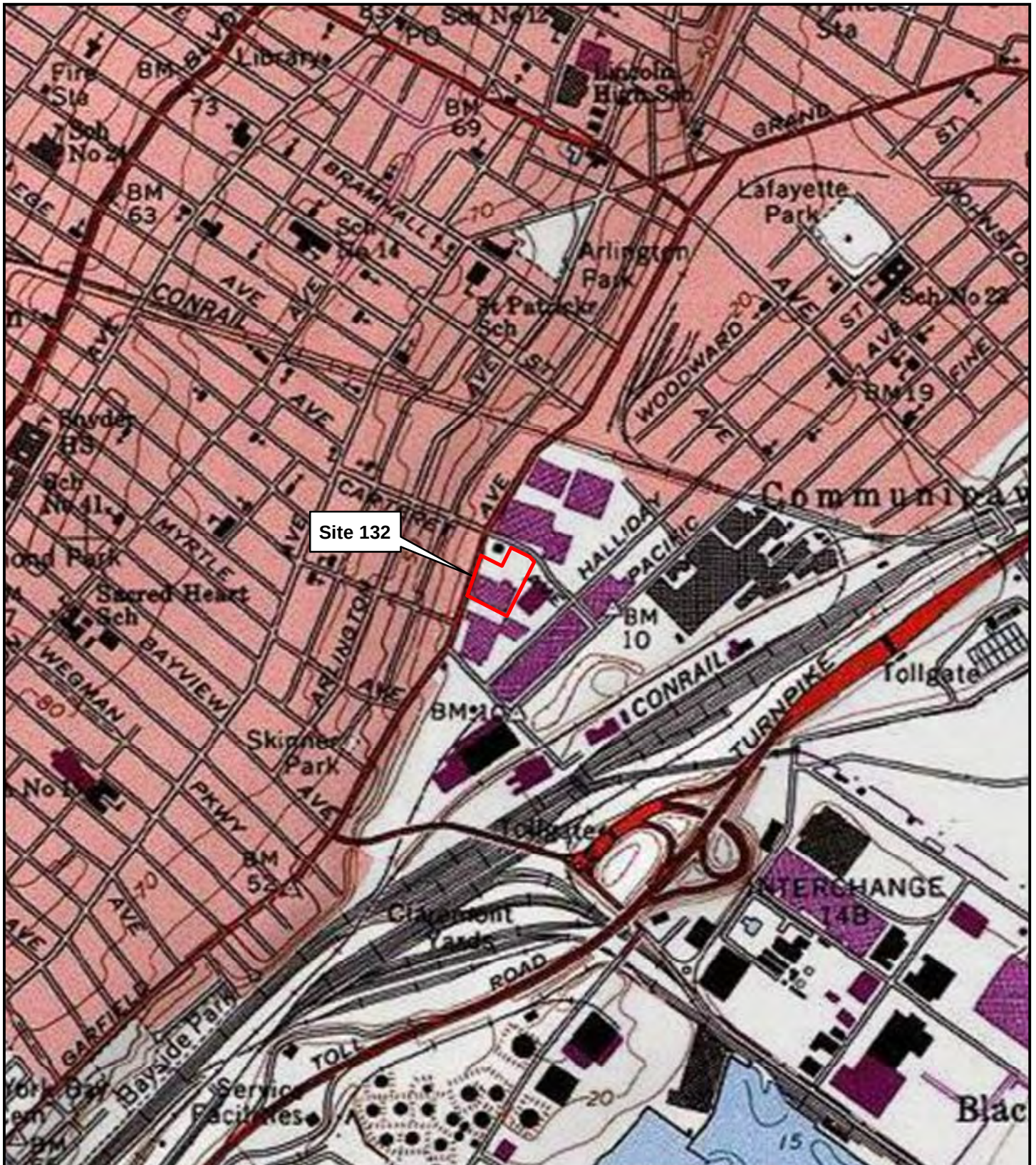
NJ - New Jersey

No. - number

Rev - revision

SWTEP - Southwest Technical Execution Plan

Figures



AECOM

Figure 1-1

Date: 09/06/2018

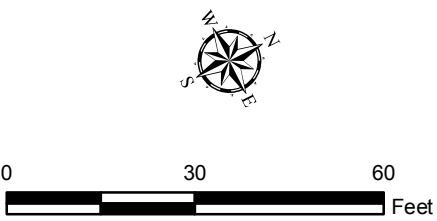
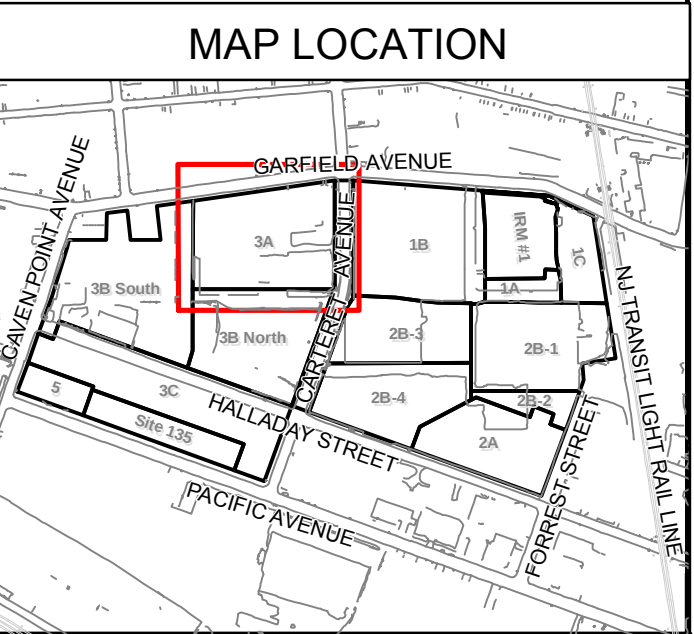
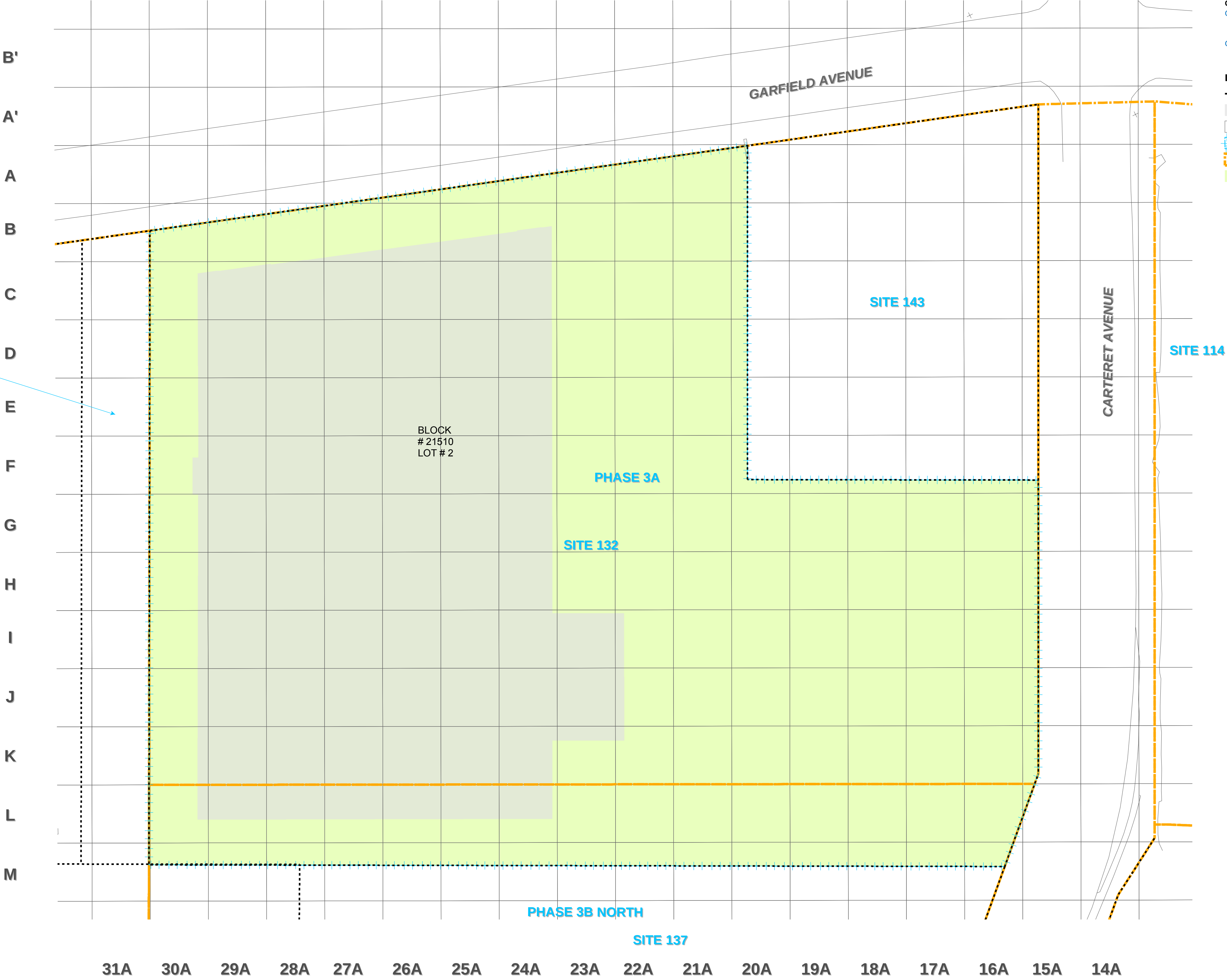
Project #: 60545281

ABBREVIATIONS:
AOC - Area of Concern
ft - feet
NAVD88 - North American Vertical Datum of 1988

GENERAL NOTES :
G1. Source of block/lot information is Jersey City Parcel Data from New Jersey Geographic Information Network (NJGIN), last updated 10/6/2015 (available at: <http://data.jerseycitynj.gov/dataset/jersey-city-parcel-polygon>).
G2. Property lines are sourced from the "Boundary & Topographical Survey, PPG Sites 132 and 143, Lots 1 and 2, Block 21510, Jersey City, Hudson County, New Jersey" prepared by Borbas Surveying and Mapping, LLC, dated September 4, 2014.

- Legend
- PROPERTY LINE
 - FORMER BUILDING SLAB (AVERAGE ELEVATION 14.6 FT NAVD88)
 - GRID LAYOUT
 - SITE 132 BOUNDARY
 - PHASE BOUNDARY
 - AOC 132-1

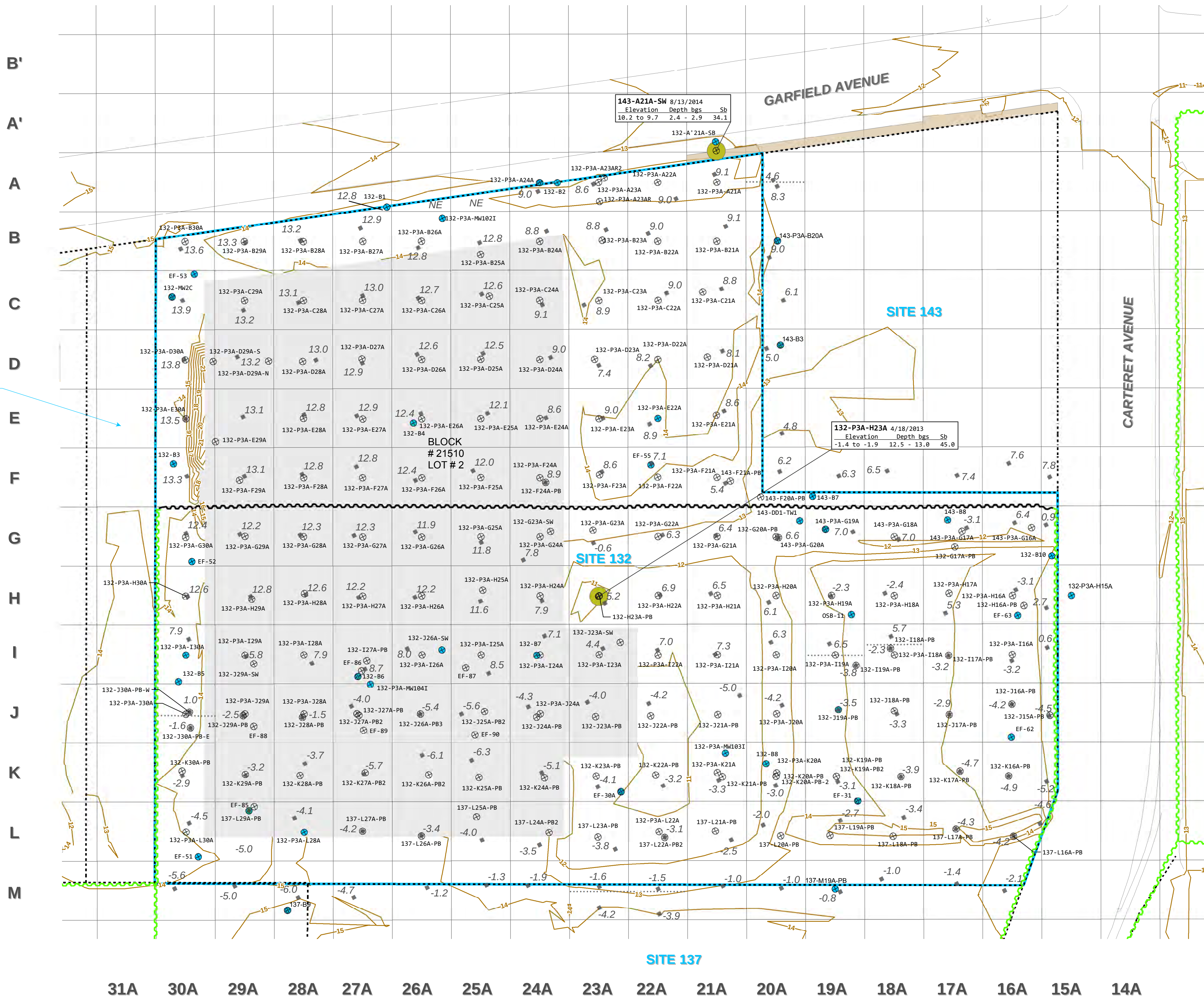
816 GARFIELD AVENUE
(FORMER FISHBEIN
PROPERTY)



PPG SITE 132 GARFIELD AVENUE GROUP JERSEY CITY, NEW JERSEY		SITE PLAN FOR SITE 132	
DATE: 10/10/2018			FIGURE 1-2

From: P:\AECOM\Environmental Remediation\Garfield Avenue\GIS\MapData\Site 132 CCPW Metals SRS.mxd

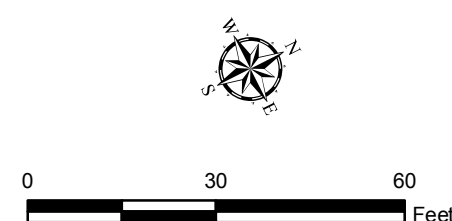
816 GARFIELD AVENUE
(FORMER FISHBEIN
PROPERTY)



Legend

- SAMPLING LOCATION (REMAINING SAMPLES)
- SAMPLING LOCATION (REMOVED SAMPLES)
- REMAINING SAMPLES NOT ANALYZED FOR CCPW METALS
- RESULTS ARE BELOW THE MOST STRINGENT STANDARD
- RESULTS EXCEED THE MOST STRINGENT STANDARD, BUT ARE IN COMPLIANCE WITH REMEDIATION OBJECTIVES
- ANTIMONY (Sb)
- POST-EXCAVATION ELEVATION SURVEY POINT REPRESENTING AS-BUILT TERMINAL EXCAVATION ELEVATION ACROSS GRID, UNLESS OTHERWISE NOTED (FT NAVD88)
- APPROXIMATE LOCATION OF GRID SPLIT
- PROPERTY LINE
- IN PLACE SHEET PILE (AS OF APRIL 2018)
- REMOVED SHEET PILE
- PRE-REMEDIATION ELEVATION CONTOUR (1-FOOT INTERVAL IN FT NAVD88)
- CLEAN CORRIDOR EXCAVATION
- FORMER BUILDING SLAB (AVERAGE ELEVATION 14.6 FT NAVD88)
- GRID LAYOUT
- SITE 132 BOUNDARY

AECOM



PPG
SITE 132
GARFIELD AVENUE GROUP
JERSEY CITY, NEW JERSEY

DATE: 10/10/2018

SAMPLE MAP FOR CCPW METALS
COMPARED TO SOIL REMEDIATION STANDARDS

FIGURE 5-2

ABBREVIATIONS:

bgs - below ground surface
CCPW - Chromate Chemical Production Waste
Cr - total chromium
Cr⁺³ - trivalent chromium
ft - feet
mg/kg - milligrams per kilogram
N/A - not applicable
NAVD88 - North American Vertical Datum of 1988
NE - not excavated
NJDEP - New Jersey Department of Environmental Protection
NRDCSRS - New Jersey Department of Environmental Protection Non-Residential Direct Contact Soil Remediation Standard
RDCSRS - New Jersey Department of Environmental Protection Residential Direct Contact Soil Remediation Standard
RDCSRS-GAG - Residential Direct Contact Soil Remediation Standard - Garfield Avenue Group (alternative remediation standard approved by the New Jersey Department of Environmental Protection on December 28, 2016)
Sb - antimony
SCC - Soil Cleanup Criteria
SRS - Soil Remediation Standard

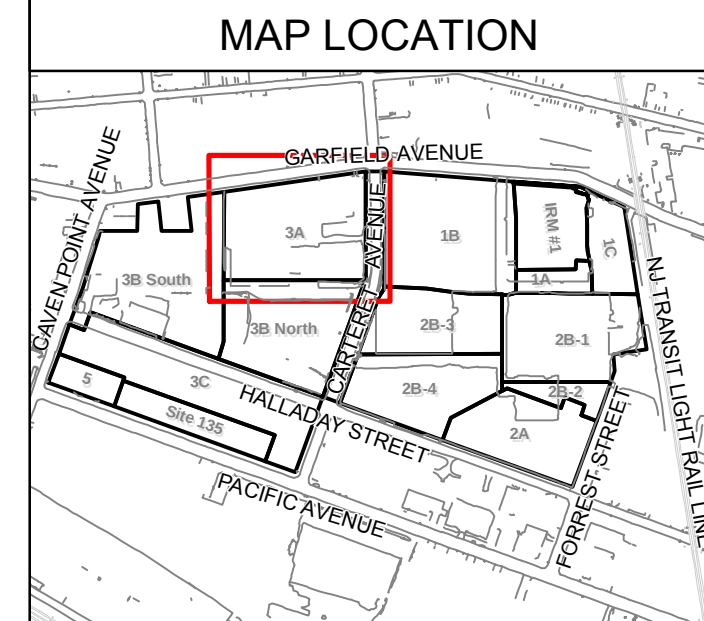
GENERAL NOTES:

- The CCPW metals data associated with the sample locations shown on this figure are provided in Table 5-2. Data presented in call out boxes on this figure are outliers (i.e., data points that require further explanation). Specific notes on how the New Jersey Department of Environmental Protection's remedial standards are being met and/or how remedial completion is being achieved/completed for each outlier sample are provided in the Specific Notes in Table 5-2.
- "Elevation" refers to the sample elevation based on the pre-remediation surface elevation for samples collected from the pit bottom, and the surface elevation of the sample location when the sample was collected via boring or test pit.
- Elevation vertical datum is NAVD88, in U.S. survey ft.
- Results are reported in mg/kg.
- Source of block/lot information is Jersey City Parcel Data from New Jersey Geographic Information Network (NJGIN), last updated 10/6/2015 (available at: <http://data.jerseycitynj.gov/dataset/jersey-city-parcel-polygon>).
- This figure presents data for locations within the Site boundary that have samples remaining in place. In addition, locations from outside the Site boundary and/or removed samples may be shown to demonstrate compliance with the remediation objectives. The Specific Notes on Table 5-2 include discussion of these situations, if necessary.
- There is currently no NJDEP SRS and no NJDEP SCC for total Cr. Therefore, total Cr results are compared to the interim NJDEP Residential SCC for Cr⁺³ of 120,000 mg/kg as the cleanup criteria for soil at the Garfield Avenue Group Sites. There is no non-residential SCC for Cr⁺³.

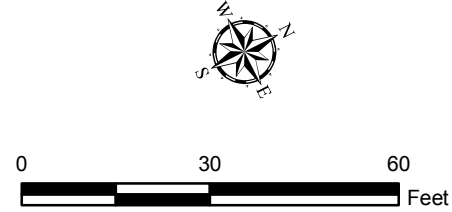
SPECIFIC NOTES:

- Property lines and pre-construction topographical contours are sourced from the "Boundary & Topographical Survey, PPG Sites 132 and 143, Lots 1 and 2, Block 21510, Jersey City, Hudson County, New Jersey" prepared by Borbas Surveying and Mapping, LLC, dated September 4, 2014.
- Post-excavation elevations were taken from the "Post Excavation Elevation Plan for ENTACT, LLC; PPG Site 132 Excavation," produced by Maser Consulting P.A. and dated 05/25/2018.
- Soil samples were not collected from Grids A25A and A26A and excavation was not required in these grids, in accordance with the Phase 3A Southwest Terminal Excavation Elevation Supplemental Submittal (AECOM, May 23, 2014) and the Response to NJDEP 6/24/14 Comments to the Phase 3A Southwest Terminal Excavation Elevation Supplemental Submittal (AECOM, July 1, 2014).
- The following grids are partially located within the Site 132 boundary, however, the as-built terminal excavation elevation applies to the entire grid: Grids A20A, B20A, C20A, D20A, E20A, F15A, F16A, F17A, F18A, F19A, F20A, M16A, M17A, M18A, M19A, M20A, M21A, M24A, M25A, M26A, M27A, M28A, M29A, and M30A.
- The following grids are partially located within the Site 132 boundary, and the as-built terminal excavation elevation applies to the portion of the grid within Site 132: Grids A22A, A23A, A24A, A25A, A26A, A27A, B28A, B29A, and B30A.
- In Grids H23A, K19A, and K20A, two sample locations are located adjacent; therefore, the sampling location symbols overlap on the figure.

Soil Remediation Standards (mg/kg)			
Analyte	RDCSRS	RDCSRS-GAG	NRDCSRS
ANTIMONY	31	N/A	450
CHROMIUM	120000	N/A	N/A
NICKEL	1600	N/A	23000
THALLIUM	N/A	N/A	N/A
VANADIUM	N/A	390	1100



Print: P:\Jobs\Site_132\Garfield Avenue\GIS\Map\Site_132\CCPW Metals\IGW alternatives.mxd
Figure 5-3: Site 132 CCPW Metals IGW alternatives.mxd



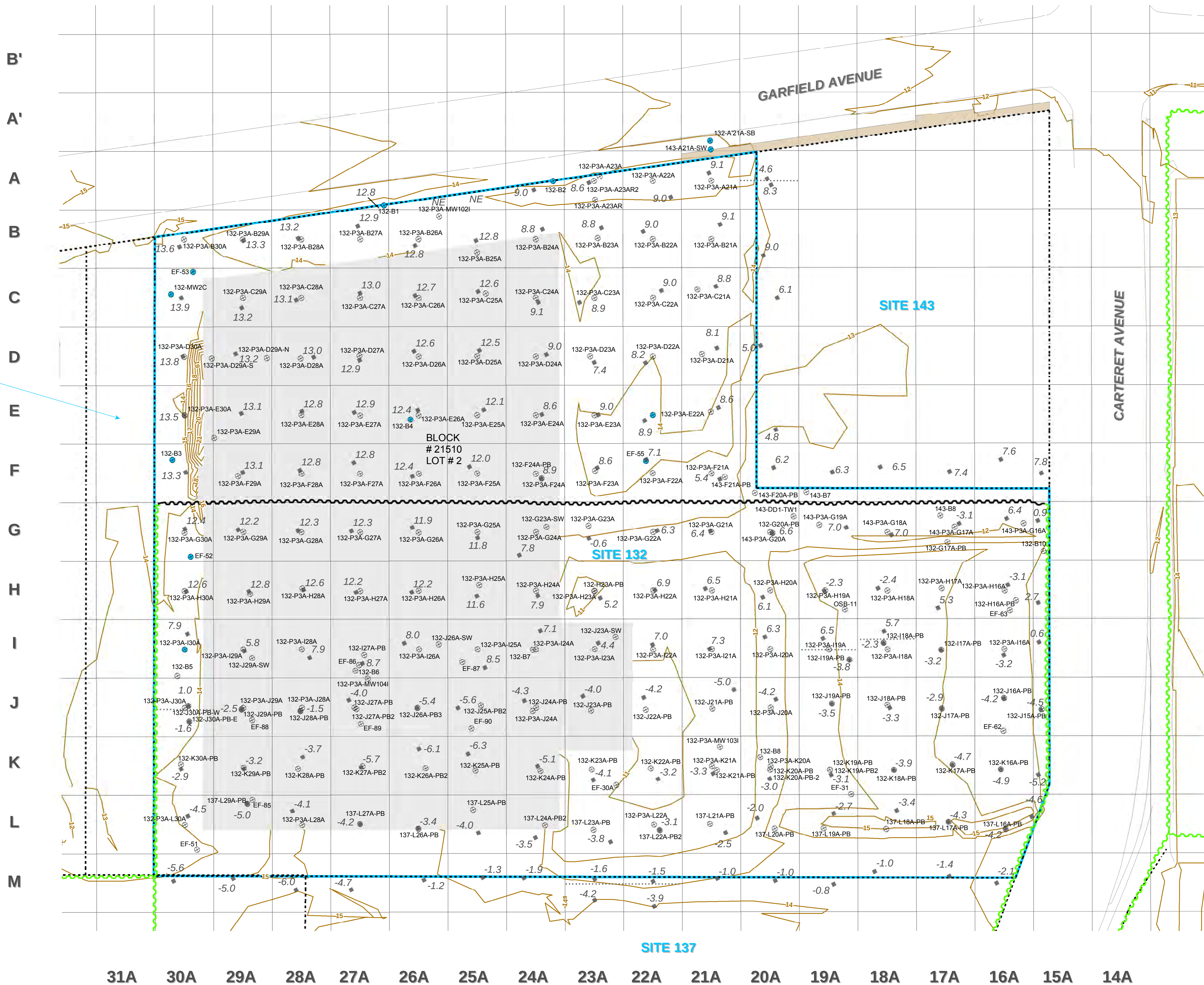
PPG
SITE 132
GARFIELD AVENUE GROUP
JERSEY CITY, NEW JERSEY

DATE: 11/12/2018

SAMPLE MAP FOR CCPW METALS
IN THE UNSATURATED SOIL ZONE
COMPARED TO IGW SOIL SCREENING
LEVEL AND SOIL REMEDIATION STANDARDS

FIGURE 5-3

816 GARFIELD AVENUE
(FORMER FISHBEIN
PROPERTY)



ABBREVIATIONS:

CCPW - Chromate Chemical Production Waste
DIGWSSL - Default Impact to Groundwater Soil Screening Level
El. - elevation
ft - feet
IGW - Impact to Groundwater
IGWSRS-GAG - Impact to Groundwater Soil Remediation Standard - Garfield Avenue Group
(alternative remediation standard as proposed in the *Supplemental Soil Remediation Investigation Report, Final Revision 1, PPG Garfield Avenue Group, Hudson County Chromium Sites, Jersey City, New Jersey*, AECOM, 08/30/18 and approved by NJDEP on 10/22/18)
mg/kg - milligrams per kilogram
N/A - not applicable
NAVD88 - North American Vertical Datum of 1988
NE - not excavated
NJDEP - New Jersey Department of Environmental Protection

GENERAL NOTES:

- G1. The CCPW metals data associated with the sample locations shown on this figure are provided in Table 5-3. None of the detected CCPW metals results exceeded the standards.
- G2. "Elevation" refers to the sample elevation based on the pre-remediation surface elevation for samples collected from the pit bottom, and the surface elevation of the sample location when the sample was collected via boring or test pit.
- G3. Elevation vertical datum is NAVD88, in U.S. survey ft.
- G4. Source of block/lot information is Jersey City Parcel Data from New Jersey Geographic Information Network (NJGIN), last updated 10/6/2015 (available at: <http://data.jerseycitynj.gov/dataset/jersey-city-parcel-polygon>).
- G5. This figure presents data for locations within the Site boundary that have samples remaining in place within the unsaturated zone. In addition, locations from outside the Site boundary may be shown to demonstrate compliance with the remediation objectives. The Specific Notes on Table 5-3 include discussion of these situations, if necessary.

SPECIFIC NOTES:

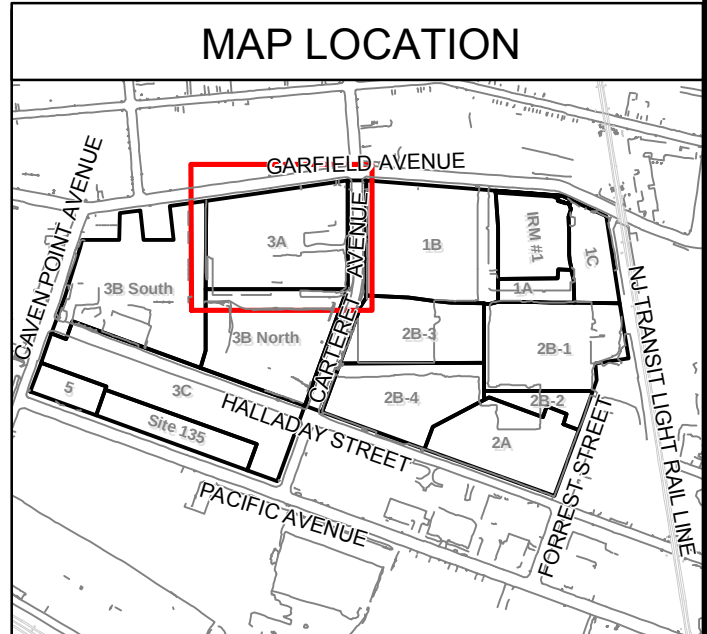
- S1. Property lines and pre-construction topographical contours are sourced from the "Boundary & Topographical Survey, PPG Sites 132 and 143, Lots 1 and 2, Block 21510, Jersey City, Hudson County, New Jersey" prepared by Borbas Surveying and Mapping, LLC, dated September 4, 2014.
- S2. Post-excavation elevations were taken from the "Post Excavation Elevation Plan for ENTACT, LLC; PPG Site 132 Excavation," produced by Maser Consulting P.A. and dated 05/25/2018.
- S3. Soil samples were not collected from Grids A25A and A26A and excavation was not required in these grids, in accordance with the *Phase 3A Southwest Terminal Excavation Elevation Supplemental Submittal* (AECOM, May 23, 2014) and the *Response to NJDEP 6/24/14 Comments to the Phase 3A Southwest Terminal Excavation Elevation Supplemental Submittal* (AECOM, July 1, 2014).
- S4. The following grids are partially located within the Site 132 boundary, however, the as-built terminal excavation elevation applies to the entire grid: Grids A20A, B20A, C20A, D20A, E20A, F15A, F16A, F17A, F18A, F19A, F20A, M16A, M17A, M18A, M19A, M20A, M21A, M24A, M25A, M26A, M27A, M28A, M29A, and M30A.
- S5. The following grids are partially located within the Site 132 boundary, and the as-built terminal excavation elevation applies to the portion of the grid within Site 132: Grids A22A, A23A, A24A, A25A, A26A, A27A, B28A, B29A, and B30A.
- S6. In Grids H23A, K19A, and K20A, two sample locations are located adjacent; therefore, the sampling location symbols overlap on the figure.
- S7. This figure shows sample results from the unsaturated zone compared to the DIGWSSL and the IGWSRS-GAG. The groundwater elevation (above which is the unsaturated zone) on this Site was estimated as the 50th percentile groundwater elevation from nine monitoring wells located on or adjacent to Site 132 gauged between May 2007 and December 2016. The monitoring well locations and data are included in Appendix A. The estimated groundwater elevation for this Site is El. 6.9 ft NAVD88.

LEGEND

- SAMPLING LOCATION (REMAINING SAMPLES)
- SAMPLES NOT ANALYZED FOR CCPW METALS
- RESULT IS BELOW THE MOST STRINGENT STANDARD
- POST-EXCAVATION ELEVATION SURVEY POINT REPRESENTING AS-BUILT TERMINAL EXCAVATION ELEVATION ACROSS GRID, UNLESS OTHERWISE NOTED (FT NAVD88)
- APPROXIMATE LOCATION OF GRID SPLIT
- IN PLACE SHEET PILE (AS OF APRIL 2018)
- REMOVED SHEET PILE
- PRE-REMEDIATION ELEVATION CONTOUR (1-FOOT INTERVAL IN FT NAVD88)
- PROPERTY LINE
- CLEAN CORRIDOR EXCAVATION
- FORMER BUILDING SLAB (AVERAGE ELEVATION 14.6 FT NAVD88)
- GRID LAYOUT
- SITE 132 BOUNDARY

Soil Screening Level & Soil Remediation Standards (mg/kg)

Analyte	DIGWSSL	IGWSRS-GAG
ANTIMONY	N/A	62.7
CHROMIUM	N/A	N/A
NICKEL	N/A	170
THALLIUM	3	N/A
VANADIUM	N/A	N/A



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