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January 31, 2023

VIA REGULAR MAIL AND EMAIL

The Honorable Jeffrey R. Jablonski, A.J.S.C.
Superior Court of New Jersey
Brennan Courthouse
583 Newark Avenue
Jersey City, New Jersey 07306

Re: **Progress Report (July 28, 2022 through the date of this Report)** pursuant to 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 filed June 26, 2009 (the "JCO")

Dear Judge Jablonski:

I respectfully submit this Progress Report pursuant to my responsibilities as independent Site Administrator operating under the JCO (defined above). This Report covers the period July 28, 2022 through the date of this Report.

I submit this Progress Report pursuant to paragraph 1(b)(i)1 of the "Order Administratively Dismissing This Matter Without Prejudice and Retaining Jurisdiction" entered by Judge Sarkisian on May 4, 2016. That Order requires that I provide Progress Reports to the Court twice per year. This is my fourteenth Progress Report since being appointed Site Administrator. The prior Progress Reports are dated July 29, 2016, January 27, 2017, July 28, 2017, January 30, 2018, July 31, 2018, January 24, 2019, July 31, 2019, March 5, 2020, July 31, 2020, January 29, 2021, July 30, 2021, January 31, 2022 and July 27, 2022. All of those Progress Reports have been posted to the Chromium Cleanup Partnership web site (www.chromiumcleanup.com) so that the public is kept apprised of the remediation activities at the PPG chromium sites.

In addition to serving as Site Administrator, I sometimes function as a mediator pursuant to the February 22, 2016 "Order Referring Third-Party Complaint and Referring Certain Matters to Mediation and Entering Stay" or as requested by interested parties

relative to the PPG chromium sites. Section VII. of this Report addresses the status of mediation proceedings I am handling.

I. COVID-19 Pandemic Impact on Master Schedule Milestones

The JCO Parties and I continue to monitor COVID-19 indicators to determine any future potential COVID impact on the PPG remediation activities.

II. Master Schedule Revisions

A revised Master Schedule dated January 31, 2023 is set forth as **Attachment 1** to this Progress Report. The new Master Schedule provides the most up to date remediation activity milestones.

III. Release of Sites from JCO and Transition of Some Sites to the LSRP Program.

My January 31, 2022 Progress Report explains the procedures that were agreed upon among PPG, NJDEP and the City of Jersey City for the release of a site, or portions of sites, from the JCO. Twenty (20) sites or portions of sites have been released from the JCO. Several other sites or portions of sites are expected to be released from the JCO later this year upon the approval by NJDEP of pending applications for remedial action permits.

IV. Groundwater Remediation Efforts at the GAG Sites.¹

In my January 31, 2022 Progress Report, I reported that both the Remedial Investigation Report (“RIR”) for Groundwater at the GAG Sites² and the Remedial Action Work Plan (“RAWP”) for Groundwater at the GAG Sites (the “Groundwater RAWP”) have been approved by NJDEP. My January 31, 2022 Report also included a detailed summary of PPG’s groundwater remediation strategy set forth in the Groundwater RAWP.

The Groundwater RAWP obligates PPG to submit quarterly progress reports to document the effectiveness of PPG’s groundwater remediation strategy, including whether the evidence shows that NJDEP’s applicable Groundwater Quality Standards will be achieved. If post-treatment monitoring indicates that the remediation goals set forth in the Groundwater RAWP cannot be achieved, the progress reports will explain the contingency remedies that will be implemented by PPG to address the issue.

Pursuant to the approved Groundwater RAWP, on June 2, 2022, PPG submitted for review its first quarterly progress report covering the period between January 1 through March 31, 2022 (the “Q1 Report”), followed by progress reports for Q2 and Q3 2022. The quarterly reports are intended to enhance the understanding of the overall progress and effectiveness of the

¹ All soil remediation has been substantially completed at the GAG Sites.

² **Schedule 1** to this Progress Report sets forth definitions/descriptions of the “GAG Sites,” the “GAG Roadways,” the “GAG Off-Site Properties” and the “Non-GAG Sites.” The referenced groundwater reports address groundwater that underlies portions of the GAG Sites, the GAG Roadways and GAG Off-Site Properties.

groundwater remedy approved in the RAWP. The Q4 2022 Quarterly Report is anticipated in February 2023.

PPG's activities pursuant to the Groundwater RAWP will be carefully monitored to ensure the continued protection of human health and the environment and to evaluate potential conflicts between future redevelopment activities and the PPG groundwater remediation. The groundwater in the project area is not used for potable, industrial, commercial, or private use.

V. Status of Remediation of the GAG Roadways and GAG Off-Site Properties

Garfield Avenue (between Carteret Avenue and the NJ Transit Line): In consideration of the numerous utilities located in this roadway and traffic issues, the City, PPG and NJDEP agreed upon a restricted use remedy for this roadway that was incorporated into a RAWP. The RAWP calls for, among other things, deferring excavation of shallow impacts until such time as any street widening work or other work by the City that would disrupt the asphalt surface of the roadway is commenced. The RAWP was approved by NJDEP on December 18, 2019. PPG submitted a final version of a Remedial Action Report ("RAR") for this site on December 13, 2022. NJDEP and the City's review of the final version of the RAR are expected to be completed in February 2023.

Carteret Avenue (between Garfield Avenue and Pacific Avenue): The RAR documenting the remediation of soils in this portion of roadway was approved by NJDEP on September 29, 2021. PPG submitted a Soil Remedial Action Permit ("RAP") application to NJDEP on December 14, 2022. The RAP included a Notice in Lieu of Deed Notice executed by the City of Jersey City. Once the RAP is issued, a Consent Judgment Compliance Letter will be issued and the soils at this site will be transitioned out of the JCO.

Pacific Avenue/Caven Point Avenue: The RAR documenting the remediation of soils in these roadways was approved by NJDEP on March 31, 2022. PPG applied for a Soil RAP on January 5, 2023, which included a Notice in Lieu of Deed Notice executed by the City of Jersey City. Once the RAP is issued, a Consent Judgment Compliance Letter will be issued and the soils at this site will be transitioned out of the JCO.

Former Halsted Corporation Property (78 Halladay Street): Excavation and backfilling of this site was completed in 2018 with the exception of residual chromium-impacted soils along the eastern boundary of the site. PPG completed a supplemental remedial excavation of this eastern portion of the site in November 2022 and submitted the RAR for the site on December 7, 2022. NJDEP and City review of the RAR are expected to be completed in February 2023.

Forrest Street Properties (84, 86-90 and 98-100 Forrest Street): NJDEP approved a RAWP for the referenced portions of this property by letter dated February 19, 2020. The RAWP memorialized a restricted use remedy for these properties taking into account the properties' current non-residential use and impacts that remain under and adjacent to the buildings. Current-use remedial action implementation, including installation of engineering controls in the alleyway, boiler room basement and loading dock, was completed in December 2022. PPG anticipates submitting an RAR for this site in February 2023.

Ten West Apparel Property (800 Garfield Avenue, Jersey City) and Adjacent Parcels: All field work related to excavation, backfilling and restoration of the chromium impacts on the Ten West property and adjacent parcels was completed in 2021. PPG submitted an RAR for these areas in October 2022. NJDEP and City review of the RAR is expected to be completed in February 2023.

VI. Status of Remediation of the Non-GAG Sites

Site 16, Linden Avenue East: There are three areas of concern at this Site that require additional attention.

AOC-3 (CCPW-Related Impacts Under the Building): In October 2018, PPG submitted a RAWP proposing a restricted use remedy that called for institutional and engineering controls with respect to the remaining CCPW-related impacts beneath the building (AOC-3). The property owner has approved the concept of a current use remedy. In August 2022, PPG requested that the NJDEP complete its review of the October 2018 RAWP. NJDEP issued comments on the October 2018 RAWP in October 2022. PPG anticipates submitting a revised RAWP and an RAR for AOC-3 by February 28, 2023.

AOC-4 (CCPW-Related Impacts in the Right of Way): CCPW-related impacts were identified in the Linden Avenue East right of way adjacent to Site 16. This area has been designated AOC-4. PPG submitted a RAWP/RAR for AOC-4 on June 24, 2022. The RAWP/RAR proposed a restricted use remedy calling for institutional and engineering controls for this AOC. NJDEP provided comments to the RAWP/RAR on September 2, 2022. Final approval requires confirmation of ownership of the various land parcels that will be affected by the required institutional controls and acceptance by the owner(s) of the proposed restricted use remedy.

AOC-2 (Groundwater): PPG submitted an RIR Addendum for Groundwater on June 9, 2020. The RIR Addendum was approved by letter from NJDEP dated August 13, 2020. PPG anticipates submitting a groundwater RAR by September 2023.

Site 63, Baldwin Oil (1 Burma Road): NJDEP approved PPG's remediation of the soils at this Site in 2018. PPG's efforts are now focused on groundwater at this Site, including Site 65.³ PPG submitted a Groundwater RAR on June 28, 2022. Based upon comments from NJDEP, PPG anticipates revising the RAR and re-submitting it in January 2024.

Site 107, Site 108 and the Conrail Property (Chapel Avenue Area): Because these three sites are contiguous they are grouped in this Report.

³ The JCO Parties have agreed that any impacted groundwater at Site 65 (which includes portions of Burma Road and Morris Pesin Drive and is situated adjacent to Site 63) will be deemed to have emanated from Site 63 and will be addressed in connection with the Site 63 groundwater investigation.

Site 107: All excavation, backfilling and restoration of soils at this Site have been completed and NJDEP approvals issued. PPG's efforts are now focused on groundwater at this Site. PPG submitted an RIR/RAWP for groundwater on May 3, 2022. NJDEP provided comments on July 8, 2022. Additional responses and comments were exchanged between PPG and NJDEP. Re-submittal of the RIR/RAWP is pending review of groundwater monitoring data being collected to support the remedy.

Site 108: PPG completed some excavation of CCPW-related impacts at this Site. In May 2021, PPG submitted a RAWP/RAR that called for institutional and engineering controls with respect to the remaining CCPW-related impacts. NJDEP provided its review of the RAWP/RAR in September 2021. Finalization of the RAWP/RAR has been deferred pending property owner consent to the proposed remedy. Coordination with the property owner is on-going.

Conrail Property: PPG completed some excavation of CCPW-related impacts in the Conrail right of way. PPG proposed to Conrail a restricted use remedy that called for institutional and engineering controls with respect to the remaining CCPW-related impacts in the right of way. At the request of Conrail, PPG conducted additional investigation of the right of way in August – September 2022. Based upon that investigation, PPG anticipates conducting additional excavation in the second and third quarter 2023.

Site 174 – Portion of Dennis Collins Park (Bayonne): The final soil RAR, which memorializes a restricted use remedy with engineering and institutional controls, was submitted in November 2022. NJDEP and the City of Bayonne have approved the RAR, subject to minor comments. An NJDEP approval letter is expected to be issued in February 2023. Following completion of PPG's field work at the Park in September 2021, the City of Bayonne installed new facilities, including a roller hockey rink; an amphitheater; a playground for ages 2-5; a playground for ages 5-12; basketball courts; an exercise and training area; and a gazebo. The Park was reopened on November 1, 2022. **Attachment 2** to this Report contains the most recent Chromium Cleanup Partnership newsletter. The newsletter contains an article regarding the reopening of the Park. NJDEP and the City of Bayonne are currently reviewing a Remedial Investigation Report Addendum for Groundwater and a RAWP for groundwater submitted by PPG for this Site. The RAWP proposes a remedial action for groundwater (AOC-3) that consists of the placement of an institutional control in the form of a Classification Exception Area/Well Restriction Area and RAP for Groundwater.

457 Communipaw Avenue: PPG submitted a soils RIR/RAWP/RAR (Revision 2) on November 22, 2022 that proposed a restricted use remedy with institutional and engineering controls. Review and finalization of the RIR/RAWP/RAR is currently on hold pending resolution between PPG and NJDEP regarding NJDEP's request for a limited excavation of the site by PPG. Access to the property has been an ongoing problem that has delayed PPG's work at the site. On January 20, 2023, Judge Costello, Chancery Division, Hudson County, entered an "Order Granting Access." The Order grants the property owner

and PPG the right to access the property to perform work at the site. In October 2022, PPG installed an engineering control in the basement of the 465 Communipaw Avenue building to address previously observed chromium blooms

VII. Mediation Proceedings

I function as a Court-appointed Mediator pursuant to the February 22, 2016 “Order Referring Third-Party Complaint and Referring Certain Matters to Mediation and Entering Stay.” Pursuant to that Order, I was appointed to mediate claims by the Jersey City Redevelopment Agency (“JCRA”), Hampshire Urban Renewal Redevelopment, L.L.C. and 900 Garfield Avenue, L.L.C. against PPG concerning the remediation and restoration of Site 114 (owned by Hampshire) and Site 132 (owned by JCRA), terms of a deed notice(s) for those sites and reimbursement of JCRA and Hampshire for incremental costs with respect to those sites. I have held numerous mediation proceedings on this matter. The parties have resolved the claims related to the deed notices. Hampshire and JCRA have executed deed notices for Site 114. The claims related to incremental costs remain unresolved.

The parties requested that I not declare the mediation to be at an impasse, although it was my intention to do so. Instead, the mediation proceedings have been suspended. I will continue to monitor the situation to determine whether I should resume my mediation efforts and, if so, when.

VIII. Communications with the Site 114 Property Owner/Redeveloper

Pursuant to the Court’s direction during an August 27, 2020 conference call with the Redeveloper, PPG, NJDEP and the City of Jersey City, I have filed the following reports with the Court regarding the progress of PPG’s remediation activities at Site 114 and any potential impacts on redevelopment: November 30, 2020, February 26, 2021, June 2, 2021, September 10, 2021, November 10, 2021, February 18, 2022, May 19, 2022, September 23, 2022 and January 20, 2023. Based upon recent communications with the stakeholders, I do not presently see any conflicts between PPG’s remediation activities and the proposed redevelopment schedule. The Redeveloper also recently reported that construction could commence in Q3 2023.

IX. Current and Future Activities

Web Site: My office, with the help of the JCO Parties, maintains a web site referred to as the Chromium Cleanup Partnership, which can be found at www.chromiumcleanup.com. Critical remediation reports and other important documents are posted to the web site. We are continually updating the web site to include the most recent information about the PPG chromium sites. This Progress Report with all attachments/enclosures, including the new Master Schedule, will be posted to the web site. All of my prior Progress Reports have also been posted to the web site.

Newsletter: A newsletter summarizing the status of activities at the PPG chromium sites was published in December 2022. The newsletter is widely distributed throughout the community and, historically, has been published at least once per calendar year. All newsletters are posted to the Chromium Cleanup Partnership web site. The current newsletter is **Attachment 2** to this Report.

Public Meetings: At the present time, I have not scheduled any public meetings. Our postings to the Chromium Cleanup Partnership web site (which include this Progress Report) and the newsletters that are distributed to the public will hopefully be sufficient to advise the public of the status of the remediation work. I am always available to address public inquiries via phone and email. I have done so on many occasions.

PPG Employment Reports: PPG's Q1 and Q2 2022 Employment Reports are attached as **Attachment 3** to this Report.

As is evident from this Report, good progress toward completion of my responsibilities as Site Administrator under the JCO continues to be made. All of the JCO Parties have been cooperative and are working diligently with me to complete the work required by the JCO.

Respectfully submitted,

/s/ Ronald J. Riccio

Ronald J. Riccio
Site Administrator

Attachments:

- **Schedule 1**: Definitions/Descriptions
- **Attachment 1**: Master Schedule with figures/maps
- **Attachment 2**: Newsletter
- **Attachment 3**: Q1 and Q2 2022 Employment Reports

cc: Via email: PPG, NJDEP and the City of Jersey City

SCHEDULE 1

DEFINITIONS/DESCRIPTIONS

Attached to the revised Master Schedule (Attachment 1 to this Progress Report) are Figure 1 and Figure 2. These figures depict the “Garfield Avenue Group” of sites (the “GAG Sites”), the Garfield Avenue Group Phase 4 Roadways (the “GAG Roadways”) and the Garfield Avenue Group Phase 5 – Off-Site Properties (the “GAG Off-Site Properties”). The “Non-GAG Sites” include all PPG sites that are not GAG Sites, GAG Roadways or GAG Off-Site Properties.

The “GAG Sites” include the following parcels, broken down as soil excavation “Phases,” shown on Figure 1 and Figure 2:

- IRM #1, located within Site 114;
- Phases 1A and 1B, considered the Southwest Area within Site 114;
- Phase 1C, located within Site 114;
- Phase 2A, located within Site 114;
- Phase 2B, which includes Phases 2B-1 through 2B-4, located within Site 114;
- Phase 3A, which includes Site 132 and most of Site 143;
- Phase 3B North, which includes a portion of Site 132 and a portion of Site 137;
- Phase 3B South, which includes Site 133 West, a portion of Site 137, the former Fishbein property, the former Ten West Apparel property, and a small portion of Halladay Street South; and
- Phase 3C, which includes Site 133 East, the remainder of Halladay Street South, and Site 135 North.

The “GAG Roadways” are roadways surrounding the GAG Sites where chromium-impacted soils were identified, including Halladay Street, Forrest Street, Carteret Avenue, Garfield Avenue (from Carteret Avenue to the Light Rail) and in portions of Pacific Avenue and Caven Point Avenue.

The “GAG Off-Site Properties” include chromium-impacted properties adjacent to the GAG Sites, including the following properties: former Halsted Corporation, Forrest Street Properties, Ten West Apparel, 816 Garfield Avenue (former Fishbein Parcel) and Al Smith Moving.

ATTACHMENT 1
MASTER SCHEDULE
(ATTACHED)

Master Schedule for the NJ PPG Chrome Remediation Sites

(Exhibit 2/3)

Revision Date: January 31, 2023

SOILS - GARFIELD AVENUE SITES

Group/Phase or Site (See Fig. 1 attached)	Property Description (Owner) (See Fig. 2 attached)	Access/Road Closure Plan	Excavation Start Actual OR Required	Excavation Complete Actual OR Required	Backfill Complete Actual OR Required	Restoration Complete Actual OR Required	RAR Determination	Comments
GA Group Phase 3B South (15 Halladay, the remainder of 25 Halladay with 800 and 816 Garfield Avenue added)	Site 133 West (PPG) and Site 137 South (PPG)	PPG Owned	8/29/2018	11/11/2021	11/23/2021	2/28/2022	April 2023	PPG submitted a Remedial Action Report (“RAR”) in October 2022 that addressed all noted areas. NJDEP and City review of the RAR is expected to be completed in February 2023.
	Fishbein (816 Garfield Avenue) (PPG)	PPG Owned	4/12/2021					
	Ten West Apparel (800 Garfield Avenue) (PPG)	PPG Owned						
GA Group Phase 3C	Halladay Street South (AOC HSS-1B) (Jersey City)	Road Closure in Place						
	Site 133 East (22-68 Halladay) (AOC 133E-1B) (PPG)	PPG Owned						
GA Group Phase 4 Roadways	Carteret Avenue (Jersey City)	Road Closure in Place	6/3/2019	1/15/2020	2/7/2020	12/16/2020	9/28/2021	PPG submitted a Soil Remedial Action Permit (“RAP”) application to NJDEP on December 14, 2022, which included a Notice in Lieu of Deed Notice executed by the City of Jersey City. Once the RAP is issued, a Consent Judgment Compliance Letter will be issued and the soils at this site will be transitioned out of the JCO. See Soil Note 8 regarding MGP contamination.
	Garfield Avenue (Jersey City)	See Comments	See Comments	See Comments	See Comments	See Comments	February 2023	In consideration of the numerous utilities located in this roadway and traffic issues, the City, PPG and NJDEP agreed upon a restricted use remedy for this roadway that was incorporated into a Remedial Action Work Plan (“RAWP”), which calls for, among other things, deferring excavation of shallow impacts until such time as any street widening work or other work by the City that would disrupt the asphalt surface of the roadway is commenced. The RAWP was approved by NJDEP on December 18, 2019. PPG submitted a “final” version of the RAR for this site on December 13, 2022. NJDEP and City review of the final version of the RAR are expected to be completed in February 2023.
	Pacific Avenue/Caven Point Avenue (Jersey City)	See Comments	See Comments	See Comments	See Comments	See Comments	3/31/2022	PPG submitted a Soil RAP application to NJDEP on January 5, 2023, which included a Notice in Lieu of Deed Notice executed by the City of Jersey City. Once the RAP is issued, a Consent Judgment Compliance Letter will be issued and the soils at this site will be transitioned out of the JCO.
	Halsted Corporation (78 Halladay St) (PPG)	PPG Owned	5/7/2018	8/10/2018 (See Comments)	8/24/2018 (See Comments)	2/18/2021 (See Comments)	March 2023	Excavation and backfilling of this site was completed in 2018 with the exception of residual chromium-impacted soils along the eastern boundary of the site. PPG completed a supplemental remedial excavation of this eastern portion of the site in November 2022 and submitted the RAR for the site on December 7, 2022. NJDEP and City review of the RAR are expected to be completed in February 2023.

Master Schedule for the NJ PPG Chrome Remediation Sites
(Exhibit 2/3)
Revision Date: January 31, 2023

SOILS - GARFIELD AVENUE SITES

Group/Phase or Site (See Fig. 1 attached)	Property Description (Owner) (See Fig. 2 attached)	Access/Road Closure Plan	Excavation Start Actual OR Required	Excavation Complete Actual OR Required	Backfill Complete Actual OR Required	Restoration Complete Actual OR Required	RAR Determination	Comments
GA Group Phase 5 Off Site Properties	Forrest Street Properties 84, 86-90, and 98-100 Forrest St (Halladay Forest LLC)	Access Agreement in Place	See Comments	See Comments	See Comments	See Comments	July 2023	<p>On February 11, 2020, the former property owner approved a RAWP to memorialize a restricted use remedy for these properties taking into account the properties' current non-residential use and impacts that remain under and adjacent to the buildings. NJDEP approved the RAWP by letter dated February 19, 2020.</p> <p>Current-use remedial action implementation, including installation of engineering controls in the alleyway, boiler room basement and loading dock, was completed in December 2022. PPG anticipates submitting the RAR for this site in February 2023.</p> <p>Pursuant to the RAR, PPG will conduct remedial excavation of the impacts that remain under and adjacent to the buildings in the event the buildings are demolished and the remaining impacted materials become accessible. The timing of building demolition is unknown and outside of the scope of this Master Schedule.</p> <p>See Soil Note 8 regarding MGP contamination.</p>

Master Schedule for the NJ PPG Chrome Remediation Sites
(Exhibit 2/3)
Revision Date: January 31, 2023

SOILS - NON-GARFIELD AVENUE GROUP SITES

Group/Phase or Site	Property Description (Owner)	Access/Road Closure Plan	Excavation Start Actual OR Required	Excavation Complete Actual OR Required	Backfill Complete Actual OR Required	Restoration Complete Actual OR Required	RAR Determination	Comments
Site 16	45 Linden Ave. East (Etzion) (AOC-3)	Access Agreement in Place	6/16/2014 (See Comments)	See Comments	See Comments	See Comments	December 2023	PPG completed excavation and backfilling of the portion of Site 16 exterior to the buildings (AOC-1) in June 2015. On March 3, 2021, NJDEP issued a Consent Judgment Compliance letter memorializing approvals for the remediation of this AOC. In October 2018, PPG submitted a RAWP proposing a restricted use remedy that called for institutional and engineering controls with respect to the remaining CCPW-related impacts beneath the building (AOC-3). The property owner has approved the concept of a current use remedy. In August 2022, PPG requested that the NJDEP complete its review of the October 2018 RAWP. NJDEP issued comments on the October 2018 RAWP in October 2022. PPG anticipates submitting a revised RAWP and an RAR for AOC-3 by February 28, 2023.
	Linden Ave. East (TBD) (AOC-4)	Access Agreement in Place	See Comments	See Comments	See Comments	See Comments	January 2024	CCPW-related impacts were identified in the Linden Avenue East right of way adjacent to Site 16. This area has been designated AOC-4. PPG submitted a RAWP/RAR for AOC-4 on June 24, 2022. The RAWP/RAR proposed a restricted use remedy calling for institutional and engineering controls for this AOC. NJDEP provided comments to the RAWP/RAR on September 2, 2022, but final approval requires confirmation of ownership of the various land parcels that will be affected by the required institutional controls and acceptance by the owner(s) of the proposed restricted use remedy.
Conrail Right-of-Way (AOC Adjacent to Site 107 and Site 108)	Conrail Right-of-Way (Conrail)	Access Agreement in Place	6/13/2018 (See Comments)	See Comments	See Comments	See Comments	TBD	PPG completed some excavation of CCPW-related impacts in the Conrail right of way and proposed to Conrail a restricted use remedy that called for institutional and engineering controls with respect to the remaining CCPW-related impacts in the right of way. At the request of Conrail, PPG conducted additional investigation of the right of way in August – September 2022. Based upon that investigation, at the request of Conrail, PPG anticipates conducting additional excavation in the second and third quarter 2023.
Site 108	Albanil Dyestuff (Jersey City Logistics, LLC)	Access Agreement in Place	6/13/2018 (See Comments)	See Comments	See Comments	See Comments	TBD	PPG completed some excavation of CCPW-related impacts at this Site. In May 2021, PPG submitted a RAWP/RAR that called for institutional and engineering controls with respect to the remaining CCPW-related impacts. NJDEP provided its review of the RAWP/RAR in September 2021. Finalization of the RAWP/RAR is on hold pending property owner consent to the proposed remedy. Coordination with the property owner is on-going.
Site 174	Dennis Collins Park (City of Bayonne)	Access Agreement in Place (See Comments)	4/8/2013	9/30/2016	9/30/2016	9/30/2021	February 2023	The final soil RAR, which memorializes a restricted use remedy with engineering and institutional controls, was submitted in November 2022. NJDEP and the City of Bayonne have approved the RAR, subject to minor comments. An NJDEP approval letter is expected to be issued in February 2023.
457 Communipaw	457 Communipaw Right-of-Way (285 Lincoln Avenue, LLC)	Access Agreement in Place	January 2016	See Comments	See Comments	See Comments	TBD	PPG submitted a soils RIR/RAWP/RAR (Revision 1) on November 22, 2022 that proposed a restricted use remedy with institutional and engineering controls. Review and finalization of the RIR/RAWP/RAR is currently on hold pending resolution between PPG and NJDEP regarding NJDEP's request for a limited excavation of the site by PPG. Access to the property has been an ongoing problem that has delayed PPG's work at the site. On January 20, 2023, a court order was entered granting the property owner and PPG the right to access the property to perform work at the site. In October 2022, PPG installed an engineering control in the basement of the 465 Communipaw Avenue building to address previously observed chromium blooms.

Master Schedule for the NJ PPG Chrome Remediation Sites (Exhibit 2/3)

Revision Date: January 31, 2023

GROUNDWATER

GA GROUP GROUNDWATER MILESTONES					
Group/Phase or Site	Property Description (Owner)	RIR Submittal /Anticipated Review-Approval	RAWP Submittal /Anticipated Review-Approval	RAR Submittal /Anticipated Review-Approval	Comments
Remedial Investigation Report (Overburden)	Entire Site Group	3/24/2021	N/A	N/A	
		1/7/2022			
Remedial Investigation Report/Remedial Action Work Plan (Bedrock)	Entire Site Group	9/23/2022	N/A	N/A	On September 23, 2022, PPG submitted an RIR Addendum and RAWP for the Bedrock Water Bearing Zone. NJDEP provided comments to the RIR addendum on December 20, 2022. A technical meeting between PPG and NJDEP has been scheduled for February 9, 2023 to discuss the Department's comments.
		TBD			
Remedial Action Work Plan (Overburden)	Entire Site Group	N/A	3/31/2021	N/A	Pursuant to the approved RAWP, PPG submitted for review its first quarterly progress report covering the period between January 1 through March 31, 2022 (the "Q1 Report"), followed by progress reports for Q2 and Q3 2022. The quarterly reports are intended to enhance the understanding of the overall progress and effectiveness of the remedy approved in the RAWP. The Q4 2022 Quarterly Report is anticipated in February 2023.
			1/31/2022		
Remedial Action Report (Overburden)	Entire Site Group	N/A	N/A	August 2023	Assuming submittal of an RAR in approvable form (i.e., sufficient data to document compliance with the approved RAWP and the requirements of N.J.A.C. 7:26E-5.7) in August 2023, review/approval by NJDEP would be anticipated by March 2024.
				March 2024	
Remedial Action Report (Bedrock)	Entire Site Group	N/A	N/A	April 2024	Groundwater monitoring to support a Monitoring Natural Attenuation remedy proposed by PPG for the bedrock water bearing zone is expected to be complete by Q1 2024, thus the draft RAR could be submitted in April 2024.
				October 2024	

NON-GA GROUP GROUNDWATER MILESTONES					
Group/Phase or Site	Property Description (Owner)	RIR Submittal /Anticipated Review-Approval	RAWP Submittal /Anticipated Review-Approval	RAR Submittal /Anticipated Review-Approval	Comments
Site 16	(see non-GAG Soils table)	10/28/2019	TBD	September 2023	PPG submitted an RIR Addendum for Groundwater on June 9, 2020. The RIR Addendum was approved by letter from NJDEP dated August 13, 2020. PPG anticipates submitting a groundwater RAR by September 2023.
		8/13/2020	TBD	February 2024	
Site 63	(see non-GAG Soils table)	RIRA/RAWP Submittal: 12/6/2021		RAR Submittal: 6/28/2022 (See Comments)	PPG submitted a Groundwater RAR on June 28, 2022. Based upon comments from NJDEP, PPG anticipates revising the RAR and re-submitting it in January 2024.
		RIRA/RAWP Approval: 3/31/2022		February 2024	
Site 107, Site 108 and Conrail Right-of-Way	(see non-GAG Soils table)	RIR/RAWP Submittal: 5/3/2022		June 2024	The RIR/RAWP was submitted on May 3, 2022. NJDEP provided comments on July 8, 2022. Additional responses and comments were exchanged between PPG and NJDEP. Re-submittal of the RIR/RAWP is pending review of groundwater monitoring data being collected to support the remedy.
		December 2024		December 2024	
Site 174	(see non-GAG Soils table)	RIRA/RAWP Submittal: 2/25/2022 (See Comments)		January 2024	PPG submitted an RIRA/RAWP for Groundwater on February 25, 2022 and NJDEP provided comments on May 26, 2022. PPG resubmitted the RIRA/RAWP on October 14, 2022. NJDEP review is expected in February 2023.
		February 2023		June 2024	
457 Communipaw	(see non-GAG Soils table)	August 2023	TBD	TBD	
		December 2023	TBD	TBD	

Master Schedule for the NJ PPG Chrome Remediation Sites
(Exhibit 2/3)
Revision Date: January 31, 2023

NOTES

GENERAL NOTES:

- 1) Redevelopment cannot occur until a capillary break determination has been made and capillary break installation (where required) has been completed.
- 2) Commencing on or about April 10, 2020, all field work was suspended at the PPG Chrome Remediation Sites as a result of the COVID-19 pandemic. Limited field activities restarted on June 15, 2020. As of the date of this Master Schedule, the Principals continue to monitor COVID-19 incident rates and other criteria. The milestones set forth in this Master Schedule may be affected by safety and health considerations relative to the COVID-19 pandemic.
- 3) Defined Terms:

“JCO” means the Partial Consent Judgment Concerning the PPG Sites entered in the matter captioned 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.

“JCO Stakeholders,” for the purpose of this Master Schedule, means PPG, the City of Jersey City, NJDEP and the Site Administrator (Ronald J. Riccio).

“Consent Judgment Compliance Letter” means a letter issued by the Department pursuant to the 2011 Consent Judgment. The Consent Judgment Compliance Letter is the Department’s equivalent of a No Further Action letter that is issued after all appropriate remediation documents have been finalized, an RAR Determination has been made, and after the issuance by the Department of any required remedial action permits with respect to the applicable media and areas of concern.

“2011 Consent Judgment” means the Consent Judgment in the matter captioned New Jersey Department of Environmental Protection, et al. v. Honeywell International Inc., et al., Docket No C-77-05, Superior Court of New Jersey, Chancery Division, Hudson County (filed September 7, 2011).

“LSRP” means Licensed Site Remediation Professional.

“Principals” means, collectively, PPG, NJDEP, the City of Jersey City and the Site Administrator.
- 4) PPG, NJDEP and the City of Jersey City entered into (and the Site Administrator acknowledged and accepted) that certain Memorandum of Understanding dated as of September 22, 2020 establishing detailed procedures for the removal of PPG sites, portions of sites or media from jurisdiction pursuant to the JCO and the 2011 Consent Judgment and, in certain instances, transitioning same to the LSRP Program (the “MOU”). On October 22, 2020, the Superior Court of New Jersey entered the First Consent Order Transitioning Certain PPG Sites, Portions of Sites or Media to the LSRP Program (the “First Consent Order”). The First Consent Order included an Exhibit A that identified the sites, portions of sites or media that were being removed from jurisdiction pursuant to the JCO and the 2011 Consent Judgment and, in certain instances, transitioned to the LSRP Program.

SOILS NOTES:

- 1) Green shading indicates that milestones have been attained.
- 2) “Excavation Start” means access has been gained, building demolition and shoring installation, if required, have been completed, there are no known impediments to proceeding with excavation and excavation has actually commenced.
- 3) For Garfield Avenue Group Sites, “Backfill Complete” means backfill is brought to elevations approved by NJDEP.
- 4) For the purpose of this Master Schedule, “restoration” is defined as final remediation grading in accordance with an NJDEP-approved Restoration Technical Execution Plan or other NJDEP-approved document identifying restoration requirements, and a capillary break has been installed if required. In-kind replacement of existing infrastructure (i.e., pavement and utilities) is covered under the PPG/Jersey City Infrastructure Settlement Agreement, which has been agreed to by all Parties.
- 5) Restoration within specific areas under/around infrastructure necessary to support on-going remediation may be delayed if such a delay is acceptable to NJDEP and property owners.
- 6) For the purpose of this Master Schedule, “RAR Determination” means that the Department has determined whether the Remedial Action Report (“RAR”) meets the requirements of applicable Department regulations and guidance. The Department will make this determination assuming: (i) the RAR Figures/Tables have been submitted by PPG and reviewed/approved by the Department prior to complete RAR submittal, and (ii) the initial submittal of the complete RAR (i.e., text plus figures, tables and other Department-required information) is received 26 weeks prior to the RAR Determination milestone. (The referenced 26 week time period assumes 12 weeks for the Department/Weston and the City of Jersey City to provide comments to the initial complete RAR submittal, 7 weeks thereafter for PPG to review and incorporate such comments and submit the final version of the full RAR, and 7 weeks thereafter for the Department to make the RAR Determination).
- 7) This version of the Master Schedule has combined “Exhibit 2” and “Exhibit 3” from the version of the Master Schedule dated October 13, 2015. The term Exhibits 2/3 is used here because prior orders entered by the court in NJDEP, et al. v. Honeywell International, Inc., et al. reference those exhibits as exhibits to the Master Schedule, which Master Schedule remains in effect as modified by these changes to Exhibits 2 and 3.
- 8) PSE&G will take the lead on manufactured gas plant (“MGP”) AOCs located within and emanating from Site 114 under the LSRP program. See letter from PPG and PSE&G to Wayne Howitz, NJDEP, dated July 9, 2019 confirming same.

GROUNDWATER NOTES:

- 1) For purposes of this schedule, the Garfield Avenue Group Access date is assumed to be March 2017.
- 2) “N/A” means not applicable.

Master Schedule for the NJ PPG Chrome Remediation Sites
(Exhibit 2/3)
Revision Date: January 31, 2023

			<u>Attachment 1 to Master Schedule for the NJ PPG Chrome Remediation Sites</u> <u>Revision Date: January 31, 2023</u> <u>List of Sites Released from JCO/Transitioned to LSRP Program¹</u>
Group/Phase or Site	Property Description (Owner)	Date of Issuance of Consent Judgment Compliance Letter	Comments
GA Group IRM #1 and Phases 1A, 1B, 1C, 2A, 2B-1, 2B-2, 2B-3, and 2B-4	Site 114 (JCRA/ Hampshire)	6/1/2020	An RAR Approval Letter was issued by the New Jersey Department of Environmental Protection (“NJDEP”) on December 5, 2019 and a Consent Judgment Compliance Letter (as defined in the General Notes attached to this Master Schedule) (Restricted Use - Soil) was issued on June 1, 2020 for chromate chemical production waste (“CCPW”), CCPW-related metals, historic fill, former underground storage tanks, and other historic operations Areas of Concern (“AOCs”) (114-1A, 114-3, 114-4A, 114-4B, and 114-5) at Site 114. As part of the approved remedy for Site 114 soils, deed notices were recorded in December 2019 with respect to all parcels constituting Site 114 and soil remedial action permits were issued on February 7, 2020. All of the referenced approvals exclude: (i) Soil AOC 114-1B (CCPW-impacted soils in portions of Grids A5B, A6B, A7B, and B7B within the Western Sliver), and (ii) manufactured gas plant (“MGP”) related contaminants, which are being managed by PSE&G under NJDEP’s Licensed Site Remediation Professional program. See Soil Note 8 attached to this Master Schedule regarding MGP contamination. Restoration was deemed complete for all of Site 114, except for the soil IRM #1 area where active groundwater remediation is being performed. Restoration of the soil IRM #1 area is on hold pending the referenced groundwater remediation activities.
GA Group Phase 3A	Site 132 (824 Garfield) (JCRA)	11/1/2019	An RAR Approval Letter was issued by NJDEP on June 27, 2019 and a Consent Judgment Compliance Letter (Unrestricted Use - Soil - for CCPW and CCPW-related metals) was issued on November 1, 2019 for AOC 132-1.
	Site 143 (846 Garfield) (PPG)	6/26/2020	An RAR Approval Letter was issued by NJDEP on September 30, 2019 and a Consent Judgment Compliance Letter (Unrestricted Use – Soil - for CCPW and CCPW-related metals) was issued on June 26, 2020 for AOC 143-1.
GA Group Phase 3B North (45 Halladay and a portion of 25 Halladay)	Site 137 North (PPG)	6/26/2020	An RAR Approval Letter was issued by NJDEP on September 30, 2019 and a Consent Judgment Compliance Letter (Unrestricted Use – Soil - for CCPW and CCPW-related metals) was issued on June 26, 2020 for AOC 137-1A. See Soil Note 8 regarding MGP contamination. The referenced approvals exclude MGP-related AOCs (AOC 137-2A).
GA Group Phase 3C	Halladay Street South (AOC HSS-1A) (Jersey City)	6/30/2020	An RAR Approval letter was issued by NJDEP on November 15, 2019 and a Consent Judgment Compliance Letter (Unrestricted Use – Soil - for CCPW and CCPW-related metals) was issued on June 30, 2020 for AOC HSS-1A. See Soil Note 8 regarding MGP contamination. The referenced approvals exclude MGP-related AOCs.
	Site 133 East (22-68 Halladay) (AOC 133E- 1A) (PPG)	3/24/2020	An RAR Approval letter for Site 133 East AOC 133E-1A was issued by NJDEP on October 11, 2019 and a Consent Judgment Compliance Letter (Unrestricted Use – Soil - for CCPW and CCPW-related metals) was issued on March 24, 2020 for AOC 133E-1A. See Soil Note 8 regarding MGP contamination. The referenced approvals exclude MGP-related AOCs (AOC 133E-2A).
	Site 135 North (Portion of 51-99 Pacific) (PPG)	1/15/2021	An RAR Approval Letter was issued by NJDEP for Site 135 AOC 135-1 on October 11, 2019. Antimony (a CCPW-related metal) associated with re-used fill materials remains at concentrations greater than the Residential Direct Contact Soil Remediation Standards and will be addressed by an engineering control (Clean Fill Soil Cap) and institutional control (deed notice). As part of the approved remedy for soils at this Site, a deed notice was recorded in June 2020 and a soil remedial action permit was issued on November 13, 2020. A Consent Judgment Compliance Letter (Restricted Use - Soil) was issued on January 15, 2021 for CCPW and CCPW-related metals for AOC-1 covering Site 135 North and Site 135 South.

¹ Pursuant to the MOU described in General Note 4 to this Master Schedule, the media, contaminants and AOCs referenced in the Consent Judgment Compliance Letters listed in this Attachment 1 were removed from jurisdiction pursuant to the JCO and the 2011 Consent Judgment and, in those situations involving Remedial Action Permits, were transitioned to the LSRP Program to implement the requirements of the Remedial Action Permits.

Master Schedule for the NJ PPG Chrome Remediation Sites
(Exhibit 2/3)
Revision Date: January 31, 2023

			<u>Attachment 1 to Master Schedule for the NJ PPG Chrome Remediation Sites</u> <u>Revision Date: January 31, 2023</u> <u>List of Sites Released from JCO/Transitioned to LSRP Program¹</u>
Group/Phase or Site	Property Description (Owner)	Date of Issuance of Consent Judgment Compliance Letter	Comments
GA Group Site 135 South	Site 135 South (Remainder of 51-99 Pacific) (PPG)	1/15/2021	An RAR Approval Letter was issued by NJDEP for Site 135 AOC 135-1 on October 11, 2019. Antimony (a CCPW-related metal) associated with re-used fill materials remains at concentrations greater than the Residential Direct Contact Soil Remediation Standards and will be addressed by an engineering control (Clean Fill Soil Cap) and institutional control (deed notice). As part of the approved remedy for soils at this Site, a deed notice was recorded in June 2020 and a soil remedial action permit was issued on November 13, 2020. A Consent Judgment Compliance Letter (Restricted Use - Soil) was issued on January 15, 2021 for CCPW and CCPW-related metals for AOC-1 covering Site 135 North and Site 135 South.
GA Group Phase 5 Off Site Properties	Al Smith Moving (33 Pacific Avenue) (GND Pacific Holdings LLC)	10/11/2019	An RAR Approval letter was issued by NJDEP on May 28, 2019 and a Consent Judgment Compliance Letter (Unrestricted Use – Soil - for CCPW and CCPW-related metals) was issued on October 11, 2019 for AOC ASM-1.
	Forrest Street Properties 108 Forrest St (Halladay Forest LLC)	6/23/2022	An RAR Approval/Consent Judgment Compliance Letter (Restricted Use) was issued by NJDEP on June 23, 2022 for CCPW and CCPW-Related Metals Only in Soil within a portion of the Forrest Street Properties, formerly known as the Skyways property, AOC FSP-1A and AOC FSP-1B.
GA Group Phase 4 Roadways	Halladay Street North (Jersey City)	6/23/2022	An RAR Approval/Consent Judgment Compliance Letter (Unrestricted Use) was issued by NJDEP on June 23, 2022 for CCPW and CCPW-Related Metals Only in Soil within Halladay Street North and a portion of the former Halsted Corporation Property, AOC HSN-1A and AOC HSD-1B.
	Forrest Street (Jersey City)	6/23/2022	An RAR Approval/Consent Judgment Compliance Letter (Restricted Use) was issued by NJDEP on June 23, 2022 for CCPW and CCPW Related Metals Only in Soil, AOC FS-1A, AOC FS-1B and AOC FS-1C.
Site 63	Baldwin Oil (Nisan 12)	1/30/2018	An RAR Approval/Consent Judgment Compliance Letter (Unrestricted Use – Soil – for CCPW and CCPW-related metals) was issued by NJDEP on January 30, 2018.
Site 65	Burma Road/Morris Pesin Drive (Jersey City)	4/6/2020	PPG, the City of Jersey City, JCMUA and NJDEP entered into a Settlement Agreement dated January 9, 2018 with respect to this site. Pursuant to the Settlement Agreement, the remedy for this site consists of institutional and engineering controls. An RAR Approval Letter was issued by NJDEP on May 31, 2019, a Soil Remedial Action Permit was issued on March 9, 2020 and a Consent Judgment Compliance Letter (Restricted Use for CCPW and CCPW-related metals in soil) was issued on April 6, 2020. Pursuant to the Settlement Agreement, impacted groundwater at Site 65 was deemed to have emanated from Site 63; no action vis-à-vis groundwater was required for Site 65. Therefore, the April 6, 2020 Consent Judgment Compliance Letter approved an Unrestricted Use remedy for CCPW and CCPW-related metals in groundwater.
Site 156 (AOC-1 and AOC-2)	Metro Towers (ALMA)	6/28/2019	An RAR Approval was issued by NJDEP on October 12, 2018 and a Consent Judgment Compliance Letter was issued on June 28, 2019 (Unrestricted Use) for: (1) Area of Concern 1 for CCPW and CCPW Related Metals Only in Soil Beyond AOC 3 Footprint, and (2) Area of Concern 2 for CCPW and CCPW-Related Metals Only in Groundwater.
Site 156 (AOC-3)	Metro Towers (ALMA)	6/30/2022	An RAR Approval/Consent Judgment Compliance Letter (Restricted Use – Soil) was issued by NJDEP on June 30, 2022 for CPW and CCPW-Related Metals in Building No. 2 Boiler Room Subslab Soil and Interior Concrete Surfaces (AOC 3).
Site 186	Garfield Avenue #1	7/14/2015	An RAR Approval letter was issued by NJDEP on April 16, 2014 and a Consent Judgment Compliance Letter (Unrestricted Use - Soil; Entire Site) for CCPW and CCPW-related metals in soil was issued July 15, 2015.
Site 16 (AOC-1)	45 Linden Ave. East (Etzion)	3/3/2021	An RAR Approval letter was issued by NJDEP on August 13, 2020 and a Consent Judgment Compliance Letter (Unrestricted Use) for CCPW and CCPW-related metals in exterior soils only (AOC-1) was issued on March 3, 2021.
Site 107 (AOC-1A)	18 Chapel Avenue (Ancam, LLC)	1/10/2022	An RAR Approval/Consent Judgment Compliance Letter (Unrestricted Use – Soil – for CCPW and CCPW-related metals) was issued by NJDEP on January 10, 2022 for AOC-1A: Majority Site Area Soil.

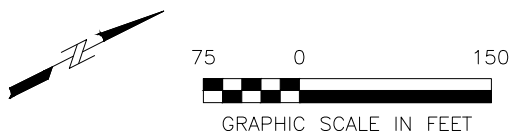
Master Schedule for the NJ PPG Chrome Remediation Sites
(Exhibit 2/3)
Revision Date: January 31, 2023

Attachment 1 to Master Schedule for the NJ PPG Chrome Remediation Sites
Revision Date: January 31, 2023
List of Sites Released from JCO/Transitioned to LSRP Program¹

Group/Phase or Site	Property Description (Owner)	Date of Issuance of Consent Judgment Compliance Letter	Comments
Site 107 (AOC-1B)	18 Chapel Avenue (Ancam, LLC)	3/25/2022	An RAR Approval/Consent Judgment Compliance Letter (Unrestricted Use – Soil – for CCPW and CCPW-related metals) was issued by NJDEP on March 5, 2022, 2022 for AOC-1B: Material Staging Area Soil.

FIGURES 1 AND 2 ATTACHED

Piscataway on uspsw2vp001\Data_uspsw2vp001\Environment(J)
User: NicholasM1 Plotted: Jan 30, 2023 - 9:40am
File: \\na.aecomnet.com\lfs\AMER\Chelmsford-USCHL1\Legacy\USCHL1FP001\Data\Projects\Jobs\Rem_Eng\Project Files\PPG Industries\Garfield Avenue\30% Design\CADD\MEETING FIGURES\2022-07-25 GA



NOTES:

1. FOR OFF SITE PROPERTIES AND ROADWAYS, PROPERTY LINES ARE ESTIMATED BASED ON TAX MAPS. LIMITS ARE INTENDED TO EXTEND TO ACTUAL PROPERTY LINES, TO BE CONFIRMED BY PROFESSIONAL SURVEY PRIOR TO START OF WORK.

AECOM

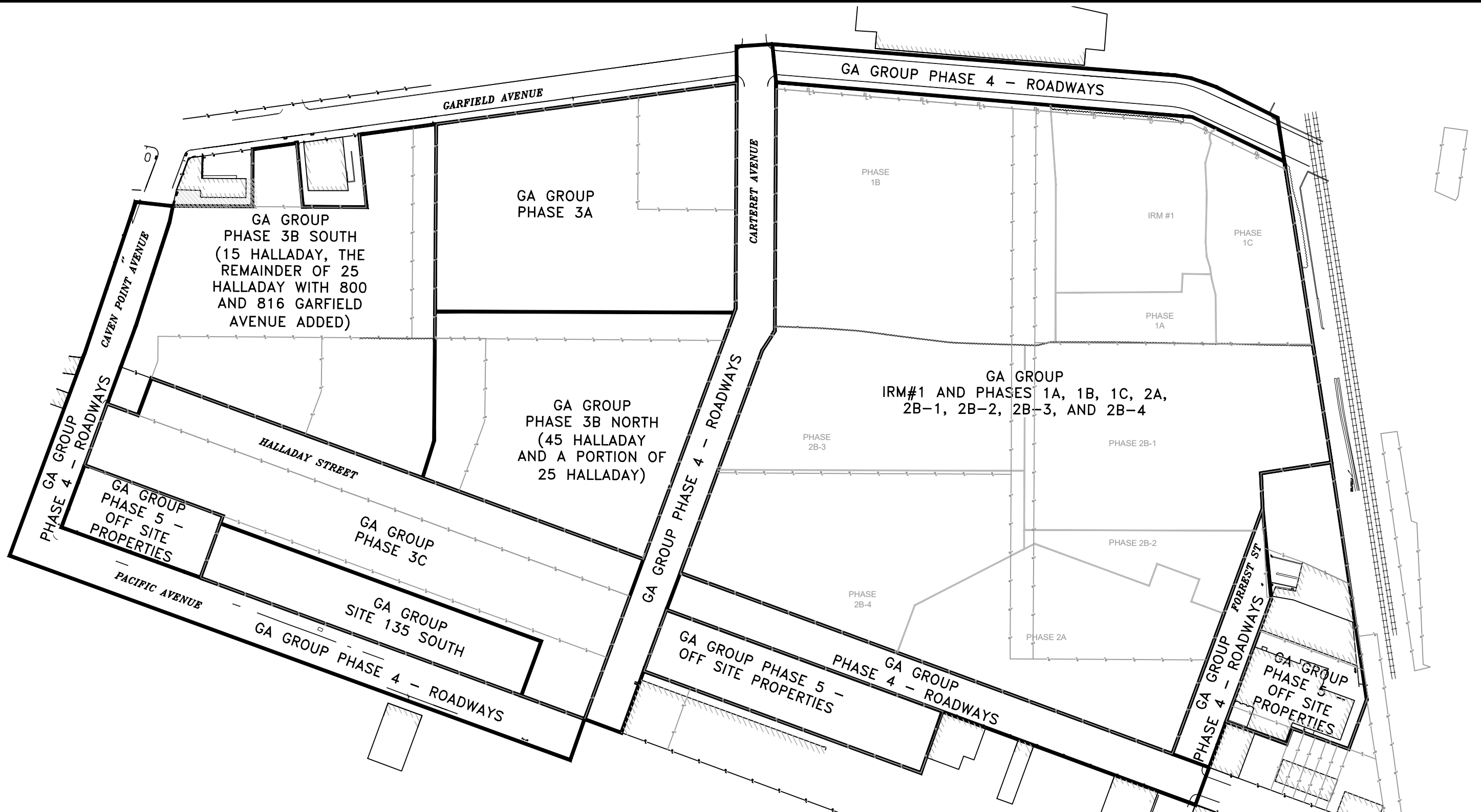
PPG
GARFIELD AVENUE GROUP
JERSEY CITY, NEW JERSEY

GROUP/PHASE OR SITE
PLAN

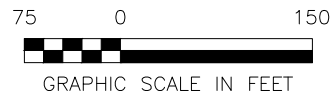
DATE: 07/25/2022

DRWN: JAG

FIGURE 1

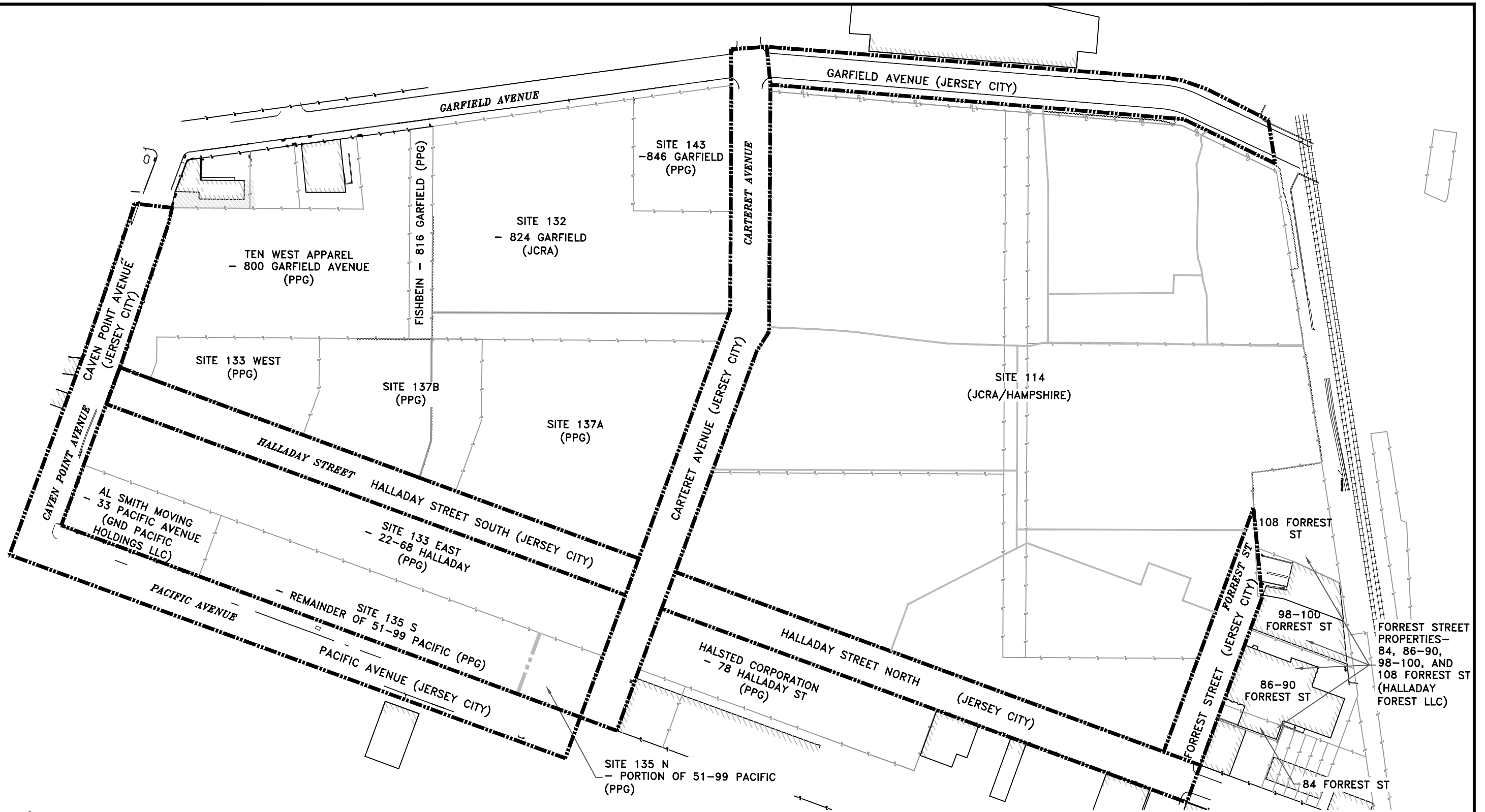


Piscataway on uspsw2vp001\Data_uspsw2vp001\Environment(J)
User: NicholasM1 Plotted: Jan 30, 2023 - 9:46am
File: \\na.aecomnet.com\lfs\AMER\Chelmsford-USCHL1\Legacy\USCHL1FP001\Data\Projects\Jobs\Rem_Eng\Project Files\PPG Industries\Garfield Avenue\30% Design\CADD\MEETING FIGURES\2022-07-25 GA



LEGEND
SITE DESCRIPTION
— ADDRESS
(OWNER)

NOTES:
1. FOR OFF SITE PROPERTIES AND ROADWAYS,
PROPERTY LINES ARE ESTIMATED BASED ON TAX
MAPS. LIMITS ARE INTENDED TO EXTEND TO ACTUAL
PROPERTY LINES, TO BE CONFIRMED BY
PROFESSIONAL SURVEY PRIOR TO START OF WORK.



PPG GARFIELD AVENUE GROUP JERSEY CITY, NEW JERSEY			PROPERTY DESCRIPTION (OWNER) PLAN	
DATE: 07/25/2022	DRWN: JAG		FIGURE 2	

ATTACHMENT 2
NEWSLETTER

Chromium Cleanup Partnership

N.J. DEPARTMENT OF ENVIRONMENTAL PROTECTION
CITY OF JERSEY CITY
PPG
COURT-APPOINTED SITE ADMINISTRATOR



An amphitheater and roller hockey rink highlight upgrades at park on banks of the Kill Van Kull.

Collaboration on PPG's chromium cleanup supports renovations at Dennis Collins Park

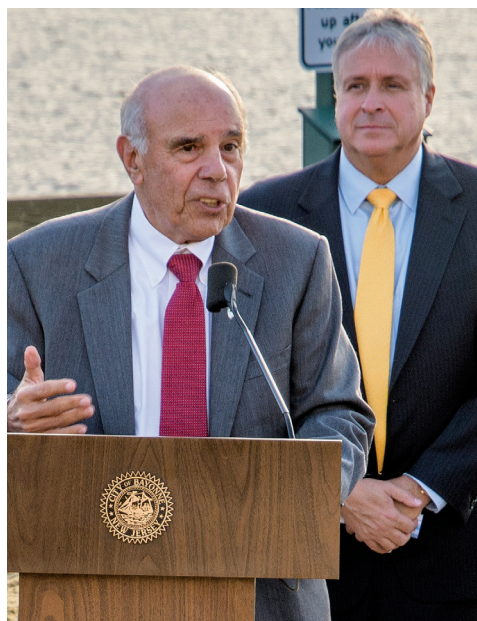
PPG's chromium cleanup played a supporting role in a series of renovations and upgrades at Dennis Collins Park that were unveiled last month in a reopening ceremony conducted by city officials.

A 5-acre portion of Bayonne's largest municipal park was closed in January of 2020. This permitted PPG to conduct the remediation of chromium waste that was deposited on the banks of the Kill Van Kull to create land that ultimately became the park.

"Everyone worked together"

To prevent contact with the waste, which is scattered in the subsurface soil at low concentrations, PPG excavated impacted material, installed a two-to-three-foot soil cap and replaced the shoreline rock revetment, according to a plan approved by the New Jersey Department of Environmental Protection.

continued on page 2



Site Administrator Ron Riccio, left, and Mayor Jimmy Davis at reopening ceremony.

Garfield Ave. groundwater cleanup continues making big impact

PPG's cleanup of chromium at the Garfield Avenue Group of Sites is making a substantial impact on the groundwater quality beneath the former manufacturing site and surrounding properties.

Thanks to digging up and hauling away more than 1 million tons of chromium-impacted soil and debris, shallow groundwater to a depth of 20 feet below ground surface is mostly in compliance with the New Jersey Department of Environmental Protection's groundwater quality standards for chromium.

Treating groundwater while in ground

The excavation at the six NJDEP-designated sites on Garfield Avenue, as well as adjacent properties and roadways, was conducted from midyear 2010 to late 2021 at an average depth of 15 to 20 feet.

Meanwhile, a separate cleanup specifically targeting groundwater has eliminated more than 100 tons of hexavalent chromium from the intermediate level of groundwater under the sites. PPG has achieved this reduction largely through a process that treats groundwater while in the ground.

During the process, municipal water mixed with reagents is injected below grade via a network of more than 300 wells. Reagents are substances that cause chemical or biological reactions. In this case, the reagents are converting hexavalent chromium into trivalent chromium, which is a more benign form of the metal that occurs naturally in the environment and is an essential dietary element. Hexavalent chromium is a component of the waste material generated at the manufacturing plant that operated at 900 Garfield Avenue for more than 50 years.

Saturating groundwater with reagents

When the injections are complete, which is scheduled to be in the fall of next year, the subsurface ground will be saturated with reagents. At this point, PPG will continue to monitor groundwater conditions until

continued on page 2

Collaboration

continued from page 1

As a part of its cleanup plan, PPG installed several features compatible with the city's renovation plan. They included:

- ADA-compliant asphalt ramps and sidewalk along West First Street;
- Additional stormwater drainage;
- An expanded parking lot; and
- A new guide rail at the top of the revetment.

In his remarks at the reopening ceremony, Ron Riccio, the site administrator for PPG's chromium cleanups in Hudson County, said the park renovations were a tribute to the cooperation among the "regulatory, public and private sectors" to "impact people in a positive way."

"Everyone worked the right way, and they worked together," Riccio said.

When its work was complete in September 2021, PPG turned over control of the site to the city.

In the following year, the city installed new facilities, including a roller hockey rink; an amphitheater; a playground for ages 2-5; a playground for ages 5-12; basketball courts; an exercise and training area; and a gazebo.

The amphitheater can be used as an outdoor classroom or seating for performances. Located between the hockey rink and the playground areas, a 50-foot-wide gazebo includes tables and seating.

The play area for the younger children contains an amusement park theme, including a "Miltyville" ticket booth, which is a tribute to Uncle Milty's, an amusement park that once stood on a portion of park property.

The park is named after Dennis P. Collins, who served four terms as Bayonne's mayor, from 1974 to 1990.

Following 28 years in elected office, Collins worked as an aide to Congressman (now Senator) Robert Menendez, Sr., and to former Mayor Joseph V. Doria, Jr.



Playground theme is tribute to Uncle Milty's amusement park that once stood on park grounds.

Dennis Collins Park Cleanup at a Glance

Timeline:

2019 – The New Jersey Department of Environmental Protection approves installation of a soil cap and a shoreline rock revetment to prevent contact with chromate chemical production waste (CCPW) in subsurface soil.

2020 (January) – Work begins at cleanup site within park.

2021 (April) – Soil cap installation is complete.

2021 (September) – Shoreline rock revetment installation is complete.

Figures:

20,000 tons – Amount of CCPW-impacted material PPG dug up and hauled away in 2020 and 2021. Material was transported for disposal at a licensed facility.

39,000 tons – Amount of clean fill PPG placed at the cleanup site to create a two-to-three-foot soil cap over the project limits.

9,300 tons – Amount of bedding and armor stone placed on the banks of the Kill Van Kull to replace former revetment.

18 inches – Increase in elevation at cleanup site created by the installation of soil cap. Retaining walls support the increased elevation.

Groundwater

continued from page 1

compliance with NJDEP cleanup standards is achieved, which could take decades. Nonetheless, the Garfield Avenue Group of Sites are ready for redevelopment because PPG designed its groundwater cleanup to be compatible with the requirements for the installation of utilities and construction of

new roads and buildings.

Reservoirs in Boonton supply Jersey City with its drinking water. No groundwater in Jersey City is used for drinking purposes.

Furthermore, NJDEP has approved a Classification Exception Area (CEA) for the chromium-impacted groundwater at the Garfield Avenue Group of Sites. A CEA forbids the installation or use of groundwater wells at impacted properties.

Chromium Cleanup Partnership

This newsletter is an information resource for PPG's chromium cleanups in Jersey City and Bayonne, New Jersey.

One Hovchild Plaza
4000 Route 66
4th Floor (MDMC)
Tinton Falls, N.J. 07753
Telephone: 201-777-2099
E-mail: info@chromiumcleanup.com
Website: www.chromiumcleanup.com

ATTACHMENT 3
EMPLOYMENT REPORTS



M: 412.235.8881
E: overmyer@ppg.com
ppg.com

Jody Overmyer
Senior Remediation Project Manager

August 8, 2022

Ronald Riccio (Via Email rriccio@mdmc-law.com)
McElroy, Deutsch, Mulvaney & Carpenter, LLP
One Hovchild Plaza
4000 Route 66
Tinton Falls, New Jersey 07753

Re: PPG New Jersey Chrome
1Q22 Employment Report

Dear Mr. Riccio:

This report describes PPG's progress on the contracting and employment goals described in the Partial Consent Judgment filed on June 26, 2009 in compliance with the requirements of Paragraph 60 of the Order.

During the first quarter of 2022, 14 firms provided services, including environmental consultants, for on-site activities directly related to investigation and remediation of PPG's chromium sites. For this quarter, none of these firms maintain a business presence in Jersey City. Note that ENTACT opened a Jersey City office January 2, 2018; ENTACT hours prior to this date do not count in the firms with operations in Jersey City total.

To date, firms with operations in Jersey City have provided 32.8% of the labor employed on the project. Jersey City residents accounted for a total of 1,489 hours or 27.9% of the labor used on the project during the first quarter, and 315,553 hours or 28.6% of the labor used for the project to date. The calculation of progress toward the local hiring goal includes all on-site labor except consulting services and over-the-road truck drivers, as was previously agreed to by the Local Employment Goals Work Group.

Sincerely,

A handwritten signature in black ink, appearing to read 'Jody Overmyer', followed by the letters 'es'.

Jody Overmyer

Ecc:

P. Amin
P. Baker
N. Colson
I. Curtis
R. Engel

S. Faeth
R. Feinberg
C. Fiore
J. Lagrotteria
D. Laguzza

J. Ray
D. Spader
I. Wilson
J. Worden

PPG
New Jersey Chrome Project
Garfield Avenue Group Sites
Q1 2022 Local Employment Report
August 8, 2022

	Allied Universal	Aquifer Drilling	Borbas Surveying	Cascade	Code	Control Services	Evoqua	Flexible Liner	Hager-Richter	SGS	TPI	Totals
January	360	0	0	0	120	8	0	0	21	0		509
	744	47	32	16	555	265	376	8	44	32		2,118
February	360		0		112	0	0		11			483
	672		32		573	8	257		39			1,580
March	352	0	0		21	120	0	0	4		0	497
	743	11	25		114	185	442	60	7		5	1,591
April												0
												0
May												0
												0
June												0
												0
July												0
												0
August												0
												0
September												0
												0
October												0
												0
November												0
												0
December												0
												0
Totals:	1,072	0	0	0	253	128	0	0	36	0	0	1,489
	2,159	58	89	16	1,242	458	1,075	68	89	32	5	5,289

Note: Jersey City Contractors in Red

JC Resident Hours
Total Hours

Project to Date (All Sites)	Jersey City Hours	Total Hours	% Jersey City Residents
2009:	1,875	5,581	33.6%
2010:	11,808	30,181	39.1%
2011:	19,449	58,741	33.1%
2012:	18,685	73,753	25.3%
2013:	39,546	165,638	23.9%
2014:	62,951	204,031	30.9%
2015:	35,784	103,123	34.7%
2016:	25,046	64,783	38.7%
2017:	21,448	70,307	30.5%
2018:	25,378	86,644	29.3%
2019:	22,359	94,528	23.7%
2020	16,705	62,233	26.8%
2021	13,030	79,035	16.5%
2022	1,489	5,330	27.9%
Project Totals:	315,553	1,103,908	28.6%

PPG
New Jersey Chrome Project
 Non-Garfield Avenue Group Sites
 Q1 2022 Local Employment Report
 August 8, 2022

	Site 107 Fashionland		Totals
	Aquifer Drilling	TPI	
January	0		0
	27		27
February			0
			0
March	0	0	0
	9	5	14
April			0
			0
May			0
			0
June			0
			0
July			0
			0
August			0
			0
September			0
			0
October			0
			0
November			0
			0
December			0
			0
Totals:	0	0	0
	36	5	41

Note: Jersey City Contractors in Red

JC Resident Hours
Total Hours



M: 412.235.8881
E: overmyer@ppg.com
ppg.com

Jody Overmyer
Senior Remediation Project Manager

August 8, 2022

Ronald Riccio (Via Email rriccio@mdmc-law.com)
McElroy, Deutsch, Mulvaney & Carpenter, LLP
One Hovchild Plaza
4000 Route 66
Tinton Falls, New Jersey 07753

Re: PPG New Jersey Chrome
2Q22 Employment Report

Dear Mr. Riccio:

This report describes PPG's progress on the contracting and employment goals described in the Partial Consent Judgment filed on June 26, 2009 in compliance with the requirements of Paragraph 60 of the Order.

During the second quarter of 2022, 12 firms provided services, including environmental consultants, for on-site activities directly related to investigation and remediation of PPG's chromium sites. For this quarter, none of these firms maintain a business presence in Jersey City. Note that ENTACT opened a Jersey City office January 2, 2018; ENTACT hours prior to this date do not count in the firms with operations in Jersey City total.

To date, firms with operations in Jersey City have provided 32.7% of the labor employed on the project. Jersey City residents accounted for a total of 1,207 hours or 27.8% of the labor used on the project during the second quarter, and 316,760 hours or 28.6% of the labor used for the project to date. The calculation of progress toward the local hiring goal includes all on-site labor except consulting services and over-the-road truck drivers, as was previously agreed to by the Local Employment Goals Work Group.

Sincerely,

A handwritten signature in black ink, appearing to read 'Jody Overmyer', followed by the letters 'es'.

Jody Overmyer

Ecc:

P. Amin
P. Baker
N. Colson
I. Curtis
R. Engel

S. Faeth
R. Feinberg
C. Fiore
J. Lagrotteria
D. Laguzza

J. Ray
D. Spader
I. Wilson
J. Worden

PPG
New Jersey Chrome Project
Garfield Avenue Group Sites
Q2 2022 Local Employment Report
August 8, 2022

	Allied Universal	Aquifer Drilling	AWT Environmental	Borbas Surveying	Cascade	Code	Control Services	Evoqua	Flexible Liner	Hager-Richter	Handex	SGS	TPI	Totals
January	360	0		0	0	120	8	0	0	21		0		509
	744	47		32	16	555	265	376	8	44		32		2,118
February	360			0		112	0	0		11				483
	672			32		573	8	257		39				1,580
March	352	0		0		21	120	0	0	4			0	497
	743	11		25		114	185	442	60	7			5	1,591
April	384	0	0	0			0	0			0			384
	720	77	9	25			107	370			18			1,326
May	415	0	0	0		0		0					0	415
	743	16	308	18		63		417					8	1,573
June	408		0	0		0		0						408
	720		274	14		145		284						1,437
July														0
														0
August														0
														0
September														0
														0
October														0
														0
November														0
														0
December														0
														0
Totals:	2,279	0	0	0	0	253	128	0	0	36	0	0	0	2,696
	4,342	151	591	145	16	1,450	565	2,147	68	89	18	32	13	9,624

Note: Jersey City Contractors in Red 0%

JC Resident Hours
Total Hours

Project to Date (All Sites)	Jersey City Hours	Total Hours	% Jersey City Residents
2009:	1,875	5,581	33.6%
2010:	11,808	30,181	39.1%
2011:	19,449	58,741	33.1%
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2015:	35,784	103,123	34.7%
2016:	25,046	64,783	38.7%
2017:	21,448	70,307	30.5%
2018:	25,378	86,644	29.3%
2019:	22,359	94,528	23.7%
2020	16,705	62,233	26.8%
2021	13,030	79,035	16.5%
2022	2,696	9,666	27.9%
Project Totals:	316,760	1,108,244	28.6%

PPG
New Jersey Chrome Project
Non-Garfield Avenue Group Sites
Q2 2022 Local Employment Report
August 8, 2022

	Site 107 Fashionland		Site 174 Dennis	Totals
	Aquifer Drilling	TPI	AWT	
January	0			0
	27			27
February				0
				0
March	0	0		0
	9	5		14
April				0
				0
May			0	0
			1	1
June				0
				0
July				0
				0
August				0
				0
September				0
				0
October				0
				0
November				0
				0
December				0
				0
Totals:	0	0	0	0
	36	5	1	42

Note: Jersey City Contractors in Red

JC Resident Hours
Total Hours