RONALD J. RICCIO SITE ADMINISTRATOR

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July 27, 2022

VIA FEDERAL EXPRESS 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 (February 1, 2022 through the date of this Report)** pursuant to <u>New Jersey Department of Environmental Protection, et al. v. Honeywell International,</u> <u>Inc., et al. v. City of Jersey City, et al.</u>, 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 February 1, 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 thirteenth 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 and January 31, 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. <u>COVID-19 Pandemic Impact on Master Schedule Milestones</u>

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

II. <u>Master Schedule Revisions</u>

A revised Master Schedule dated July 27, 2022 is set forth as <u>Attachment 2</u> to this Progress Report. The new Master Schedule provides the most up to date activity milestones.

III. <u>Release of Sites from JCO and Transition of Some Sites to the LSRP Program</u>.

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. I am pleased to report that, in total, twenty (20) sites or portions of sites have been released from the JCO, all of which are listed in Attachment 1 to the new Master Schedule.

IV. <u>Groundwater Remediation Efforts at the GAG Sites.</u>¹

In my January 31, 2022 Progress Report, I reported that both the Remedial Investigation Report for Groundwater at the GAG Sites² and the Remedial Action Work Plan for Groundwater at the GAG Sites (the "Groundwater RAWP") have been approved by NJDEP. My January 31 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 posttreatment 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.

On June 2, 2022, PPG submitted its first progress report pursuant to the requirements of the Groundwater RAWP. That progress report is currently under review by NJDEP, the City of Jersey City and me. 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

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

² <u>Attachment 1</u> 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.

work. The groundwater in the project area is not used for potable, industrial, commercial, or private use.

V. <u>Status of Remediation of the GAG Roadways and GAG Off-Site Properties</u>

<u>Halladay Street North (between Carteret Avenue and Forrest Street)</u>: The Remedial Action Report ("RAR") documenting the remediation of soils in this portion of roadway was approved by NJDEP on December 29, 2021. A Consent Judgment Compliance Letter releasing this portion of roadway from the JCO was issued by NJDEP on June 23, 2022.

<u>Forrest Street Roadway (west of Halladay Street to the terminus of the public roadway)</u>: The RAR documenting the remediation of soils in this portion of roadway was approved by NJDEP on November 12, 2020. A Consent Judgment Compliance Letter was issued by NJDEP on June 23, 2022 releasing this portion of roadway from the JCO and transitioning it to the LSRP program under a soil remedial action permit.

<u>Garfield Avenue (between Carteret Avenue and the NJ Transit Line)</u>: The JCO Parties have agreed to a restricted use remedy for this portion of roadway consisting of engineering controls (existing asphalt cap) and institutional controls (notice in lieu of deed notice). The remedy also calls for excavation of shallow chromium impacts in the roadway in the event of the widening of the roadway in conjunction with Jersey City's Canal Crossing Redevelopment Plan that exposes soils underlying the road surface. PPG anticipates submitting a restricted use remedy RAR in September 2022.

<u>Carteret Avenue (between Garfield Avenue and Pacific Avenue)</u>: The RAR documenting the remediation of soils in this portion of roadway was approved by NJDEP on September 29, 2021. PPG anticipates submitting an application to the NJDEP Bureau of Remedial Action Permitting for a soil remedial action permit in 3Q 2022. Upon receipt of the permit, NJDEP will issue a Consent Judgment Compliance Letter releasing this portion of roadway from the JCO and transitioning it to the LSRP program under a soil remedial action permit.

<u>Pacific Avenue/Caven Point Avenue</u>: The RAR documenting the remediation of soils in this roadway was approved by NJDEP on March 31, 2022. PPG anticipates submitting an application to the NJDEP Bureau of Remedial Action Permitting for a soil remedial action permit in October 2022. Upon receipt of the permit, NJDEP will issue a Consent Judgment Compliance Letter releasing this portion of roadway from the JCO and transitioning it to the LSRP program under a soil remedial action permit.

<u>Former Halsted Corporation Property (78 Halladay Street)</u>: Excavation and backfilling of this site have been completed with the exception of residual chromiumimpacted soils along the eastern boundary of the Site that were left due to structural concerns of adjacent buildings. PPG anticipates completing additional remedial excavation of this eastern portion of the site in August 2022, prior to finalization of the RAR.

Forrest Street Properties (84, 86-90, 98-100 and 108 Forrest Street): The soil contamination at this property is being remediated under two separate approaches, one for

the exterior portions of the buildings and one for the chromium impacts that remain in place under and adjacent to building structures located at this property.

<u>Work Exterior to the Buildings</u>: NJDEP approved the RAR for the soil remediation work exterior to the buildings on December 3, 2021. A Consent Judgment Compliance Letter was issued by NJDEP on June 23, 2022 releasing this portion of the properties from the JCO and transitioning the Site to the LSRP program under a soil remedial action permit.

<u>Impacts under the Buildings</u>: Implementation of an owner-approved Remedial Action Work Plan ("RAWP") for chromium impacts under the buildings is underway, including installation of engineering controls in a basement area, alleyway and loading dock. The work in the basement area and alleyway was completed on December 8, 2021 and March 2, 2022, respectively. Installation of engineering controls in the loading dock is expected to be completed in October 2022, assuming access to the loading dock is granted in September 2022, following the end of the current tenant's lease. Due to conditions in the loading dock, PPG may request revisions to the proposed engineering controls for that area.

<u>Ten West Apparel Property (800 Garfield Avenue, Jersey City) and Adjacent</u> <u>Parcels</u>: 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 anticipates submitting the RAR for soil in these areas in October 2022.

VI. <u>Status of Remediation of the Non-GAG Sites</u>

<u>Site 156, Metropolis Towers</u>: The only remaining area of environmental concern at this Site is the boiler room floor located in one of the towers. NJDEP approved the RAR for the boiler room in October 2020 and PPG submitted the remedial action permit application to NJDEP in July 2021. A Consent Judgment Compliance Letter was issued by NJDEP on June 23, 2022 releasing the boiler room floor area from the JCO and transitioning this portion of the Site to the LSRP program under a soil remedial action permit.

Site 16, Linden Avenue East:

AOC-1 (Exterior Soils): 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.

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). Review of the October 2018 RAWP was placed on hold because the property owner objected to aspects of the proposed remedy. PPG and the property owner are in negotiations regarding the remedy for this AOC.

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, which is currently under review. The RAWP/RAR proposes a restricted use remedy calling for institutional and engineering controls for this AOC.

AOC-2 (Groundwater): PPG submitted a Groundwater Remedial Investigation Report ("RIR") Addendum in June 2020, which was approved by NJDEP in August 2020. Submittal of a RAWP for groundwater cannot occur until there is a resolution with the property owner of the soil impacts under the building structures.

<u>Site 63, Baldwin Oil (1 Burma Road)</u>: 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, which is currently under review.

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

<u>Site 107</u>: All excavation, backfilling and restoration of soils at this Site were completed in 2021. For reporting purposes, this Site was split up into a "Majority Site Area" and an "MSA Area." The RARs for the soils in each area were approved in 2021. Consent Judgment Compliance Letters were issued by NJDEP for the Majority Area and the MSA Area on January 10, 2022 and March 5, 2022, respectively. Upon issuance of the Consent Judgment Compliance Letters, all of the soils at Site 107 were released from the JCO.

<u>Site 108</u>: PPG completed some excavation of soil 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.

<u>Conrail Property</u>: 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 is planning to conduct additional investigation work in August 2022. The need for additional field activities will be determined based upon that investigation.

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.

<u>Groundwater Investigation/Remediation</u>: PPG submitted a groundwater RIR/RAWP on May 3, 2022 relating to Site 107, Site 108 and the Conrail Property. NJDEP provided comments on July 8, 2022, which are under review.

<u>Site 174 – Portion of Dennis Collins Park (Bayonne)</u>: All excavation, backfilling and restoration of the soils at this Site, including installation of engineering controls, was completed in 2021. PPG submitted a soils RAR on January 21, 2022. NJDEP provided comments to the RAR submittal on April 19, 2022. On July 15, 2022, the City of Bayonne provided comments to the draft Deed Notice and the draft Notice in Lieu of Deed Notice, but it has not provided comments on the balance of the RAR. PPG anticipates resubmitting the RAR in 3Q 2022. PPG submitted an RIRA/RAWP for groundwater on February 25, 2022 and NJDEP provided comments on May 26, 2022. The City of Bayonne has not provided comments to the RIRA/RAWP. PPG is expected to resubmit the groundwater RIRA/RAWP in 3Q 2022. Portions of Dennis Collins Park was closed during the PPG remediation work. The City of Bayonne recently began redevelopment of the Park. Attached hereto as <u>Attachment 3</u> are recent photos showing some of the redevelopment activities and progress being made to re-open the portions of the Park that were closed.

457 Communipaw Avenue: PPG submitted an RIR/RAWP/RAR on June 21, 2022 to propose a restricted use remedy for soils with institutional and engineering controls. The RIR/RAWP/RAR is currently under review. In April 2021, chromium blooming was discovered in the basement of the building located at 465 Communipaw Avenue. PPG installed an Interim Remedial Measure ("IRM") in the basement of that building⁴ to address the blooming. Monthly Inspections of the IRM were conducted from April 2021 through November 2021. The inspections were put on hold pending resolution by the property owner of building structural issues. PPG's consultants conducted a structural inspection of the building in June 2022 and resumed the monthly inspections in July 2022. In May 2021, an inspection of the basement of the building. PPG plans to initiate groundwater remedial investigation activities at this Site in the third quarter 2022.

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.

⁴ The IRM consisted of an epoxy coating applied to the basement wall to prevent human contact with the affected area.

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. <u>Communications with the Site 114 Property Owner/Redeveloper</u>

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 and May 19, 2022. I anticipate filing my next report in July 2022. Since the filing of my last report on May 19, 2022, I do not see any present conflicts between PPG's planned remediation activities and the proposed redevelopment schedule. As of the date of this Report it appears that the timeline for commencement of construction activities related to the proposed redevelopment remains uncertain.

IX. <u>Current and Future Activities</u>

Web Site: My office, with the help of the JCO Parties, maintains a web site referred the Chromium Cleanup Partnership, which can be found to as at www.chromiumcleanup.com. The web site contains extensive information including, among other things, the status of remediation at the PPG chromium sites. 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.

<u>Newsletter</u>: A newsletter summarizing the status of activities at the PPG chromium sites was published in December 2021 and one is currently anticipated to be 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.

<u>Public Meetings</u>: 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.

<u>PPG Employment Reports</u>: PPG's Q1 and Q2 2022 Employment Reports were not available as of the date of this Progress Report. The referenced Employment Reports will be supplied with my next Progress 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:

- <u>Attachment 1</u>: Definitions/Descriptions
- <u>Attachment 2</u>: Master Schedule with figures/maps
- Attachment 3: Photos of Dennis Collins Park Redevelopment Activities
- cc: <u>Via email</u>: PPG, NJDEP and the City of Jersey City

ATTACHMENT 1

DEFINITIONS/DESCRIPTIONS

Attached to the revised Master Schedule (<u>Attachment 2</u> to this Progress Report) are <u>Figure 1</u> and <u>Figure 2</u>. 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 chromiumimpacted 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 2

MASTER SCHEDULE

(ATTACHED)

Master Schedule for the NJ PPG Chrome Remediation Sites

(Exhibit 2/3) Bovision Data: July 27, 2022

Revision Date: July 27, 2022

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	Comment
GA Group Phase 3B South (15	Site 133 West (PPG) and Site 137 South (PPG)	PPG Owned	8/29/2018 4/12/2021		11/23/2021	2/28/2022	April 2023	
Halladay, the remainder of 25 Halladay	Fishbein (816 Garfield Avenue) (PPG)	PPG Owned						
with 800 and 816 Garfield Avenue added)	Ten West Apparel (800 Garfield Avenue) (PPG)	PPG Owned		11/11/2021				PPG anticipates submitting a Remedial Action Report ("RAR") in Octob AOC HSS-1B and AOC 133E-1B.
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						
	Carteret Avenue (Jersey City)	Road Closure in Place	6/3/2019	1/15/2020	2/7/2020	12/16/2020	9/28/2021	PPG anticipates applying for a Soil Remedial Action Permit in 3Q 2022 by the City of Jersey City.
GA Group Phase 4 Roadways	Garfield Avenue (Jersey City)	See Comments	See Comments	See Comments	See Comments	See Comments	January 2023	See Soil Note 8 regarding MGP contamination. In consideration of the numerous utilities located in this roadway and t use remedy for this roadway that was incorporated into a Remedial Ac deferring excavation of shallow impacts until such time as any street w asphalt surface of the roadway is commenced. The RAWP was approved a restricted use remedy RAR in September 2022. This roadway was not part of NJDEP's March 30, 2017 capillary break
								Capillary Break Design Report. A capillary break evaluation was, how RAWP calls for a capillary break reassessment as part of any roa Redevelopment.
	Pacific Avenue/ Caven Point Avenue	See Comments	See Comments	See Comments	See Comments	See Comments	3/31/2022	An RAR Determination/Approval letter was issued on March 31, 20 proposed for a portion of this roadway. PPG anticipates applying for a S a Notice in Lieu of Deed Notice executed by the City of Jersey City.
	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)	December 2022	Excavation and backfilling of this site have been completed with the exe boundary of the site. PPG anticipates completing a Supplemental Ren 2022, prior to finalization of the RAR.

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ober 2022 that will address all noted Sites/properties, as well as

22, which will include a Notice in Lieu of Deed Notice executed

d traffic issues, the City, PPG and NJDEP agreed upon a restricted Action Work Plan ("RAWP"), which calls for, among other things, widening work or other work by the City that would disrupt the ved by NJDEP on December 18, 2019. PPG anticipates submitting

ak determination letter or the NJDEP-approved December 2017 owever, included in the RAWP for the current use scenario; the oadway modifications in connection with the Canal Crossing

2022 by NJDEP for AOC ACP-1A for the restricted use remedy a Soil Remedial Action Permit in October 2022, which will include

exception of residual chromium-impacted soils along the eastern emedial Excavation of this eastern portion of the site in August

Master Schedule for the NJ PPG Chrome Remediation Sites

(Exhibit 2/3) Revision Date: July 27, 2022

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
								On February 11, 2020, the property owner approved a RAWP to memori account the properties' current non-residential use and impacts that re the RAWP by letter dated February 19, 2020.
GA Group Phase 5 Off Site Properties	Forrest Street Properties 84, 86-90, and 98-100 Forrest St (Caragliano)	Access Agreement in	See S Comments	See Comments	See Comments	See Comments	July 2023	Current-use remedial action implementation, including installation of basement, was completed on December 8, 2021 and March 2, 2022, resources to the expected to be completed in October 2022, assuming access to the end of the current tenant's lease. Due to conditions in the loading doe controls for that area.
								PPG will conduct remedial excavation of the impacts that remain under demolished and the remaining impacted materials become accessible. The scope of this Master Schedule.
								See Soil Note 8 regarding MGP contamination.

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norialize a restricted use remedy for these properties taking into t remain under and adjacent to the buildings. NJDEP approved

of engineering controls in the alleyway and the boiler room respectively. Installation of engineering controls in the loading to the loading dock is granted in September 2022, following the dock, PPG may request revisions to the proposed engineering

der and adjacent to the buildings in the event the buildings are le. The timing of building demolition is unknown and outside of

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) (A0C-3)	Access Agreement in Place	6/16/2014 (See Comments)	See Comments	See Comments	See Comments	See Comments	PPG completed excavation and backfilling of the portion of Site 16 exterior to t issued a Consent Judgment Compliance letter memorializing approvals for the re- In October 2018, PPG submitted a RAWP proposing a restricted use remedy that to the remaining CCPW-related impacts beneath the building (AOC-3). Review o consent to the proposed remedy. PPG and the property owner are in negotiation for remediation of such impacts are on hold.
	City of Jersey City (A0C-4)	Access Agreement in Place	See Comments	See Comments	See Comments	See Comments	October 2022	CCPW-related impacts were identified in the Linden Avenue East right of way a submitted a RAWP/RAR for AOC-4 on June 24, 2022, which is currently under reverse for institutional and engineering controls for this AOC.
Conrail Right- of-Way (AOC Adjacent to Site 107 and Site 108)	Conrail Right- of-Way	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 called for institutional and engineering controls with respect to the remaining Conrail, PPG is planning to conduct additional investigation in August 2022. The upon that investigation.
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 2 and engineering controls with respect to the remaining CCPW-related impacts 2021. Finalization of the RAWP/RAR is on hold pending property owner conse 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	TBD	PPG completed installation of engineering controls at this Site in Septembe provided comments on April 19, 2022. On July 15, 2022, the City of Bayon draft Notice in Lieu of Deed Notice, but it has not provided comments on RAR in 3Q 2022.
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 an RIR/RAWP/RAR on June 21, 2022 to propose a restricted. The RIR/RAWP/RAR is currently under review. In April 2021, chromium blooming was discovered in the basement of the bu an Interim Remedial Measure ("IRM") in the basement of that building to ac conducted from April 2021 through November 2021, but were put on hol property owner. PPG's consultants conducted a structural inspection o inspections in July 2022. In May 2021, an inspection of the basement of 467 identified in that building.

the buildings (AOC-1) in June 2015. On March 3, 2021, NJDEP remediation of this AOC.

hat called for institutional and engineering controls with respect v of the October 2018 RAWP is on hold pending property owner itions regarding the remedy for this AOC. Therefore, milestones

v adjacent to Site 16. This area has been designated AOC-4. PPG review. The RAWP/RAR proposes a restricted use remedy calling

nt of way and proposed to Conrail a restricted use remedy that ng CCPW-related impacts in the right of way. At the request of The need for additional field activities will be determined based

y 2021, PPG submitted a RAWP/RAR that called for institutional cts. NJDEP provided its review of the RAWP/RAR in September isent to the proposed remedy. Coordination with the property

ber 2021. An RAR was submitted on January 21, 2022. NJDEP onne provided comments to the draft Deed Notice and the on the balance of the RAR. PPG anticipates resubmitting the

ted use remedy with institutional and engineering controls.

building located at 465 Communipaw Avenue. PPG installed address the blooming. Monthly Inspections of the IRM were hold pending resolution of building structural issues by the of the building in June 2022 and resumed the monthly 67 Communipaw was conducted; no chromium impacts were

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

Revision Date: July 27, 2022

GROUNDWATER

GA GROUP GRO	UNDWATER MI	LESTONES			
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 (Overburden)	Entire Site Group	3/24/2021 1/7/2022	N/A	N/A	
Remedial Investigation (Bedrock)	Entire Site Group	December 2022 April 2023	N/A	N/A	An RIR specific to bedrock will be provided as an RIR addendum. Assuming submittal of an RIR (Bedrock) in approvable form (i.e., sufficie review and approval by NJDEP would be anticipated by April 2023. Additional investigation in the bedrock water bearing zone was condu
Remedial Action Work Plan	Entire Site Group	N/A	3/31/2021		Pursuant to the approved RAWP, on June 2, 2022, PPG submitted for review its first quarterly progress report covering the period betwee Q1 Report consolidates the groundwater Interim Remedial Measures ("IRM") reporting required under the Discharge to Groundwater Pe II, and Phase III) into one quarterly report to enhance understanding of the overall progress and effectiveness of the remedy approved in quarterly report is anticipated in August 2022.
Remedial Action Report	Entire Site Group	N/A	N/A	August 2023 March 2024	Assuming submittal of an RAR in approvable form (i.e., sufficient data to document compliance with the approved RAWP and the require by NJDEP would be anticipated by March 2024.
NON-GA GROUP	GROUNDWATE	R 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 8/13/2020	TBD TBD	TBD TBD	PPG submitted an RIR Addendum on June 9, 2020. The RIR Addendum was approved by letter from NJDEP dated August 13, 2020. Sub- resolution with the property owner of soil impacts under the building structure (AOC-3).
Site 63	(see non- GAG Soils	RIRA/RAW	P Submittal: /2021	RAR Submittal: 6/28/2022	PPG submitted a Groundwater RAR on June 28, 2022, which is currently under review.
	table)		P Approval: /2022	November 2022	
Site 107, Site	(see non-		mittal: 5/3/2022	TBD	The RIR/RAWP was submitted on May 3, 2022. NJDEP provided comments on July 8, 2022, which comments are under review. Accord
108 and ConrailGAG SoilsRight-of-Waytable)		TBD		TBD	groundwater monitoring well could delay submittal of the RAR.
Site 174	(see non- GAG Soils table)	RIRA/RAWP Submittal: 2/25/2022 TBD		December 2022 May 2023	PPG submitted an RIRA/RAWP for Groundwater on February 25, 2022 and NJDEP provided comments on May 26, 2022. PPG is expected
457 Communication	(see non- GAG Soils	RIR/RAWP Submittal: January 2023		TBD	Completion of the groundwater remedial investigation is dependent on exterior repairs by the property owner, as well as securing acces
Communipaw	table)	Мау	2023	TBD	

cient to document completion of delineation) in December 2022, ducted in spring/summer 2022 and continues.

tween January 1 through March 31, 2022 (the "Q1 Report"). The Permits-by-Rule for the three Phases of IRMs (i.e., Phase I, Phase I in the RAWP. The Q1 Report is currently under review. The next

uirements of N.J.A.C. 7:26E-5.7) in August 2023, review/approval

ubmittal of a RAWP for Groundwater cannot occur until there is a

access to an off-site property for the installation of an additional

ted to resubmit the RIRA/RAWP in 3Q 2022.

cess for the installation of an off-site groundwater monitoring well.

Master Schedule for the NJ PPG Chrome Remediation Sites

(Exhibit 2/3) Revision Date: July 27, 2022

NOTES

GENERAL NOTES:

- 1) Redevelopment cannot occur until a capillary break determination has been made and capillary break installation (where required) has been completed.
- 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 2) 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 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., 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.

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 4) 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.
- "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. 2)
- For Garfield Avenue Group Sites, "Backfill Complete" means backfill is brought to elevations approved by NJDEP. 3)
- 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 4) 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.
- 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: 6) (i) the RAR Figures/Tables have been submitted by PPG and reviewed/approved by the Department prior to 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.
- PSE&G will take the lead on 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. 8)

GROUNDWATER NOTES:

For purposes of this schedule, the Garfield Avenue Group Access date is assumed to be March 2017. 1)

2) "N/A" means not applicable.

			Attachment 1 to Master Schedule for the NJ PPG Chrome Rem Revision Date: July 27, 2022 List of Sites Released from JCO/Transitioned to LSRP Pro
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 Con Notes attached to this Master Schedule) (Restricted Use - Soil) was issued on June 1, 2020 for chromate chemical production waste ("CC 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 recorded in December 2019 with respect to all parcels constituting Site 114 and soil remedial action permits were issued on February 7, 202 (CCPW-impacted soils in portions of Grids A5B, A6B, A7B, and B7B within the Western Sliver), and (ii) manufactured gas plant ("MGP") rela NJDEP's Licensed Site Remediation Professional program. See Soil Note 8 attached to this Master Schedule regarding MGP contamination. Re the soil IRM #1 area where active groundwater remediation is being performed. Restoration of the soil IRM #1 area is on hold pending the r
GA Group	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 CCPV for AOC 132-1.
Phase 3A	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 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 2020 for AOC 137-1A. See Soil Note 8 regarding MGP contamination. The referenced approvals exclude MGP-related AOCs (AOC 137-2A).
	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 for AOC HSS-1A. See Soil Note 8 regarding MGP contamination. The referenced approvals exclude MGP-related AOCs.
GA Group Phase 3C	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 was issued on March 24, 2020 for AOC 133E-1A. See Soil Note 8 regarding MGP contamination. The referenced approvals exclude MGP-rela
	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 the Residential Direct Contact Soil Remediation Standards and will be addressed by an engineering control (Clean Fill Soil Cap) and institution 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 J on January 15, 2021 for CCPW and CCPW-related metals for AOC-1 covering Site 135 North and Site 135 South.

mediation Sites

rogram¹

Consent Judgment Compliance Letter (as defined in the General (CCPW"), CCPW-related metals, historic fill, former underground rt of the approved remedy for Site 114 soils, deed notices were 2020. All of the referenced approvals exclude: (i) Soil AOC 114-1B elated contaminants, which are being managed by PSE&G under Restoration was deemed complete for all of Site 114, except for ne referenced groundwater remediation activities.

CPW and CCPW-related metals) was issued on November 1, 2019

oil - for CCPW and CCPW-related metals) was issued on June 26,

oil - for CCPW and CCPW-related metals) was issued on June 26,

for CCPW and CCPW-related metals) was issued on June 30, 2020

ter (Unrestricted Use – Soil - for CCPW and CCPW-related metals) elated AOCs (AOC 133E-2A).

with re-used fill materials remains at concentrations greater than utional control (deed notice). As part of the approved remedy for nt Judgment Compliance Letter (Restricted Use - Soil) was issued

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.

			Attachment 1 to Master Schedule for the NJ PPG Chrome Rem
			Revision Date: July 27, 2022
			List of Sites Released from JCO/Transitioned to LSRP Pro
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 wit the Residential Direct Contact Soil Remediation Standards and will be addressed by an engineering control (Clean Fill Soil Cap) and institution 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 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	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 CCF for AOC ASM-1.
Off Site Properties	Forrest Street Properties 108 Forrest St (Caragliano)	6/23/2022	An RAR Approval/Consent Judgment Compliance Letter (Restricted Use) was issued by NJDEP on June 23, 2022 for CCPW and CCPW-Rela 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-R 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
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 NJDEF
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 of institutional and engineering controls. An RAR Approval Letter was issued by NJDEP on May 31, 2019, a Soil Remedial Action Permit was Letter (Restricted Use for CCPW and CCPW-related metals in soil) was issued on April 6, 2020. Pursuant to the Settlement Agreement, imp from Site 63; no action vis-à-vis groundwater was required for Site 65. Therefore, the April 6, 2020 Consent Judgment Compliance Letter 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 (Uni 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 CCP 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 S 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 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 NJDEF

mediation Sites

Program¹

with re-used fill materials remains at concentrations greater than utional control (deed notice). As part of the approved remedy for nt Judgment Compliance Letter (Restricted Use - Soil) was issued

CCPW and CCPW-related metals) was issued on October 11, 2019

Related Metals Only in Soil within a portion of the Forrest Street

V-Related Metals Only in Soil within Halladay Street North and a

ted Metals Only in Soil, AOC FS-1A, AOC FS-1B and AOC FS-1C.

DEP on January 30, 2018.

ant to the Settlement Agreement, the remedy for this site consists vas issued on March 9, 2020 and a Consent Judgment Compliance impacted groundwater at Site 65 was deemed to have emanated tter approved an Unrestricted Use remedy for CCPW and CCPW-

Unrestricted Use) for: (1) Area of Concern 1 for CCPW and CCPW

CPW-Related Metals in Building No. 2 Boiler Room Subslab Soil

e Site) for CCPW and CCPW-related metals in soil was issued July

and CCPW-related metals in exterior soils only (AOC-1) was issued

DEP on January 10, 2022 for AOC-1A: Majority Site Area Soil.

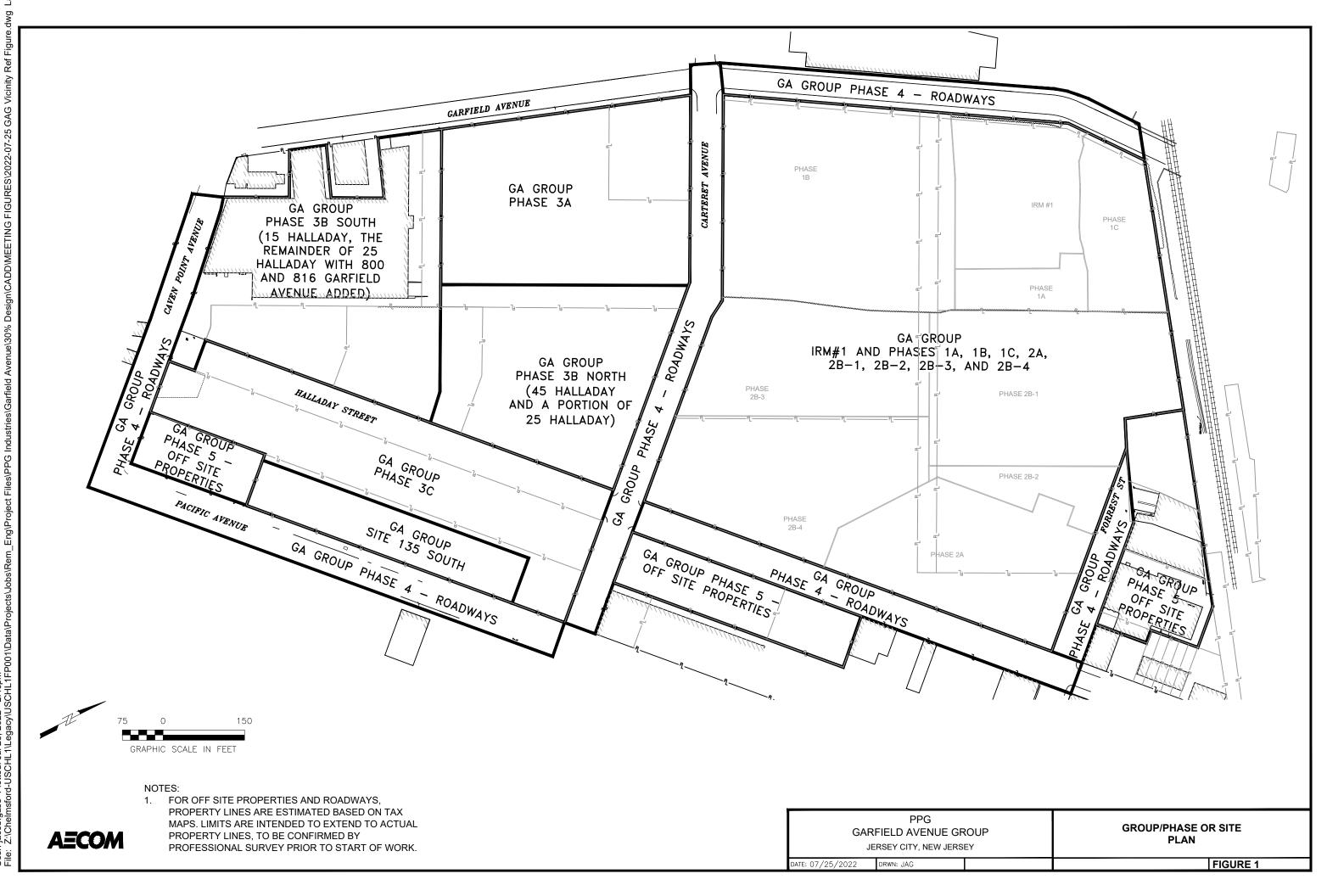
			Attachment 1 to Master Schedule for the NJ PPG Chrome Rem Revision Date: July 27, 2022 List of Sites Released from JCO/Transitioned to LSRP Pro
Group/Phase or Site	Property Description (Owner)	Date of Issuance of Consent Judgment Compliance Letter	Comments
Site 107 (AOC-1B)	18 Chapel Avenue (Ancam, LLC	3/25/2022	An RAR Approval/Consent Judgment Compliance Letter (Unrestricted Use – Soil – for CCPW and CCPW-related metals) was issued by NJDEP (

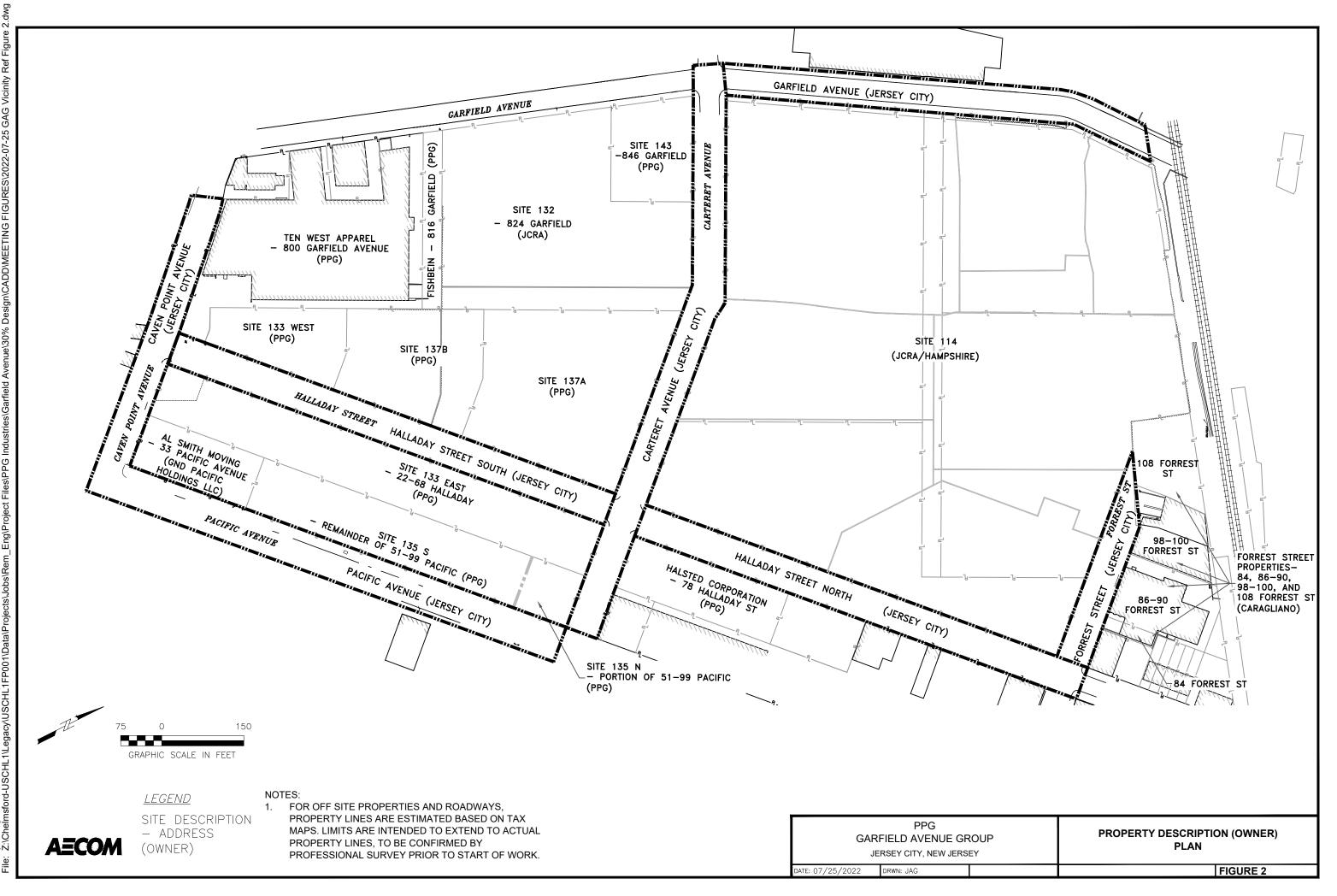
mediation Sites

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EP on March 5, 2022, 2022 for AOC-1B: Material Staging Area Soil.

FIGURES 1 AND 2 ATTACHED





ATTACHMENT 3

PHOTOS OF DENNIS COLLINS PARK REDEVELOPMENT ACTIVITIES (ATTACHED)

