

RONALD J. RICCIO
SITE ADMINISTRATOR

Direct Dial: 201-874-4581
Email: riccio@mdmc-law.com

McElroy, Deutsch, Mulvaney & Carpenter
One Hovchild Plaza
4000 Route #66, 4th Floor
Tinton Falls, New Jersey 07753
Tel. 732-733-6200
Fax 732-922-2702

July 31, 2020

VIA FEDERAL EXPRESS AND EMAIL

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

Re: **PROGRESS REPORT (March 6, 2020 through the date of this Report):** New Jersey Department of Environmental Protection, et al. v. Honeywell International, Inc., et al. v. City of Jersey City, et al., Superior Court of New Jersey, Chancery Division, Hudson County, Civil Action No. HUD-C-77-05; Partial Consent Judgment Concerning the PPG Sites 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 March 6, 2020 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 ninth 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 and March 5, 2020. All of those Progress Reports have been posted to the Chromium Cleanup Partnership web site so that the public is kept apprised of the remediation activities at the PPG chromium sites. See Section VI. of this Progress Report for more information about the Chromium Cleanup Partnership web site.

In addition to serving as Site Administrator, I am also a Mediator pursuant to the February 22, 2016 “Order Referring Third-Party Complaint and Referring Certain Matters

to Mediation and Entering Stay.” A summary of my activities as Mediator is included in Section IV. of this Progress Report.

I. COVID-19 Pandemic Impact on Master Schedule Milestones

On April 1, 2020, PPG notified the other JCO Parties¹ that due to the COVID-19 pandemic it planned to suspend all field work at all of its chromium remediation sites on or before April 10, 2020. On April 8, 2020, Governor Murphy issued Executive Order 122 (“EO-122”). This order required the immediate cessation of work at all “non-essential construction projects.”

EO-122 defined “essential construction projects” to be: “(l) Any project that is ordered or contracted for by Federal, State, county, or municipal government, or any project that must be completed to meet a deadline established by the Federal government;” and “(m) Any work on a non-essential construction project that is...required to remediate a site.” Prior executive orders had established that “essential” businesses could continue to operate.²

The JCO Parties did not object to PPG’s plan to suspend field activities given the severe status of the pandemic at that time, valid concerns raised by PPG about the safety and health of its employees and contractors, and the fact that the cessation of the PPG field work would not impact public health and safety. On or about April 10, 2020, PPG suspended all field activities (except security, where required) at all of its chromium remediation sites. Data gathering, report writing and other activities that did not require field work continued without interruption.

On April 21, 2020, in response to EO-122, NJDEP posted the following statement to its web site: “construction related to site remediation projects are allowed to continue under EO 122.” In the totality of circumstances, the JCO parties continued not to object to PPG’s suspension of its field work.

On May 13, 2020, Governor Murphy issued Executive Order 142 (“EO-142”). EO-142 permitted non-essential construction projects to resume subject, however, to strict social distancing and other safety measures. EO-142 required that all businesses engaged in construction projects in the State (whether considered “essential” or “non-essential”) adopt policies that satisfied, at a minimum, fourteen specific requirements. Those requirements included such things as prohibiting non-essential visitors from entering the worksite; limiting the size of worksite meetings; requiring individuals to maintain six feet or more distance between them wherever possible; requiring workers and visitors to wear cloth face coverings; requiring infection control practices; limiting sharing of tools, equipment, and machinery; and, where running water is not available, providing portable washing stations.

On May 18, 2020, in response to EO-142, I urged PPG to promptly resume a limited aspect of its field work, i.e., the installation of deep monitoring wells at Site 114.

¹ For the purpose of this Progress Report, the “JCO Parties” are PPG, NJDEP, the City of Jersey City and the Site Administrator.

² See Executive Order 107 dated March 21, 2020.

Installation of those wells had begun prior to PPG's suspension of field work. The City of Jersey City and NJDEP supported my position. The completion of the installation of these wells³ was critical to the delineation of chromium impacts in groundwater and to the redevelopment of Site 114.

PPG objected to resuming installation of the wells. In response, I asked PPG to state its position in writing. In a letter dated May 20, 2020, PPG set forth its position that it was premature for PPG to resume the well installations, or any other field work, given PPG's interpretation of guidance issued by various health authorities and PPG's own corporate policies relative to the COVID-19 pandemic.

On May 22, 2020, I responded in a letter to PPG in which I disagreed with PPG's position. Letters were also submitted by NJDEP and the City of Jersey City setting forth their positions that PPG should immediately resume the well installations.

On June 2, 2020, PPG agreed to proceed with the installation of the wells, though noting its position that: "Delaying the drilling of the remaining...wells while we wait to see if the rate of transmission in Hudson County is in fact declining and that the other control measures being implemented by the State will effectively control the spread of the virus is the more prudent course to follow."

On June 15, 2020, PPG resumed its well installation activities. As of July 15, 2020, all of the required 18 additional deep wells had been installed. In the next two months PPG's field activities should be ramped up to nearly the same level of activity that preceded the COVID-19 work suspension. The JCO Parties continue to review PPG's work schedule to determine which field activities can be safely resumed, when they can be safely resumed and the pace of field work given the heightened requirements dictated by the many public health concerns related to COVID-19.

Before resuming its field work on June 15, 2020, PPG ensured the other JCO Parties that it had implemented health and safety measures with its employees and contractors that, at a minimum, followed the fourteen requirements set forth in EO-142. PPG has consistently taken steps to be certain that all field work is done as safely as possible, especially now during the COVID crisis. As of this writing, I am not aware of any COVID cases resulting from the field work that was performed either prior to the work suspension or after the field work resumed at the PPG chromium sites.

The more than 60-day suspension of field activities and the impact of that suspension on the timing of the remediation work going forward have negatively impacted some of the previously established Master Schedule milestones. A copy of the most recent version of the Master Schedule dated July 31, 2020 is set forth as Attachment 2. The most important Master Schedule impacts will be discussed in this Report.

II. Technical Disputes and Potential Project Delays

³ Nine wells were installed prior to the suspension of the field work; nine additional wells were required to be installed.

Below is a status update of the technical disputes/project delays.

Ten West Apparel Property (800 Garfield Avenue, Jersey City): Pursuant to a court-ordered settlement agreement dated as of February 2, 2018 between PPG, Mid-Newark, L.P. and Ten West Apparel, Inc. (“Ten West”), Ten West was required to vacate the property on or prior to March 2, 2020. As a result of various motions filed by Ten West and orders entered by the Court, the date for Ten West to vacate the property was extended until July 7, 2020. Ten West’s counsel sent a letter to the Court dated July 16, 2020 representing that Ten West would vacate the property on or before August 10, 2020. More recent communications from Ten West’s counsel indicate that that date may slip. The JCO Parties have agreed that, so long as Ten West vacates the property by the end of August, the matter regarding Ten West’s vacature from the property would be resolved. If Ten West does not vacate the property by the end of August, the Court’s involvement may be needed once again. (See Section III.C. for further discussion of the schedule for work activities at the Ten West property.)

Installation of Additional Deep Groundwater Monitoring Wells at the GAG Sites⁴: In my last Progress Report, I noted that agreement had been reached among the JCO Parties regarding the need for additional vertical delineation of the groundwater contaminant impacts at the GAG Sites, including the need for the installation of 18 additional deep groundwater wells. Technical agreement had not been reached on the quality and quantity of data to be collected during the installation of the wells. Subsequent to my last Progress Report, partial agreement was reached on that issue. As of this Report, all 18 wells have been installed. The data collected from the wells is anticipated to be distributed among the JCO Parties in September 2020, at which time a technical review of that data will be undertaken by the JCO Parties.

Site 107 (18 Chapel Avenue, Jersey City): In my last Progress Report, I noted that PPG had completed excavation and backfilling of a large portion of the chromium impacted soils at this Site, but that a technical dispute existed between PPG and NJDEP regarding the methodology for sampling and remediation of one area in the northwest corner of the Site. The owner of Site 107 is ready to begin development of the property. The owner has been in communications with the JCO parties to express concerns about the delay in the completion of the sampling and remediation of the northwest corner. I have been personally involved in attempts to resolve the technical dispute between PPG, NJDEP, and the concerns raised by the property owner. I am cautiously optimistic that, as a result of a number of recent technical communications exchanged by the parties, a resolution will be achieved. If the issues are not resolved, this dispute may result in proceedings before Your Honor.

III. Remediation Progress

Attachment 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.” Below is a summary of the remediation efforts at each of these locations.

⁴ Attachment 1 to this Progress Report defines “GAG Sites” and certain other terminology used herein.

A. Remediation of the GAG Sites

Soil Remediation:

Site 114 Approval: In my last Progress Report, I noted that the remediation of chromium and other contaminants in soils at Site 114, the former location of PPG's chromium processing plant, had been fully documented by PPG and its consultants⁵ and approved by NJDEP. On June 1, 2020, following the issuance by NJDEP of soil remedial action permits for this Site, NJDEP issued a Consent Judgment Compliance Letter.⁶ This letter is the final step in the approval process for the restricted use remedy for soils at this Site. The soils approval for Site 114 is significant because this Site is integral to redevelopment efforts by the designated redeveloper of properties located within the Canal Crossing Redevelopment Area. While groundwater remediation efforts continue at Site 114, the completion of the soil remediation is a major step toward facilitating the redevelopment of Site 114.

Other GAG Site Approvals: Since my last Progress Report, Consent Judgment Compliance Letters for Soils were also issued by NJDEP at the following sites: Site 133 East, Site 137 North and Site 143. (These sites are depicted in the figures attached to the Master Schedule). This represents significant progress.

Groundwater Remediation:

Prior to the suspension of field activities resulting from the COVID-19 pandemic, the plan was for PPG to commence operation in June 2020 of the second of a three-phase interim plan to clean up groundwater contamination in and near the GAG Sites. Due to the pandemic, the start-up of this system needed to be delayed until September 2020, as more specifically set forth in the Master Schedule. Once the system commences full operation, the Phase II wells will extract groundwater from depths ranging from 20 to 65 feet below ground surface. The water will then be conveyed to a new treatment plant constructed by PPG. It is anticipated that Phase II of the groundwater plan will include approximately one year of treatment and up to two years of post-cleanup monitoring. The groundwater plan will be coordinated with redevelopment at Site 114.

B. Remediation of the GAG Roadways:

Halladay Street South (between Carteret Avenue and Caven Point Avenue): A Consent Judgment Compliance Letter was issued by NJDEP on June 30, 2020. This is final NJDEP approval for the remediation of chromium-impacted soils in the majority of this roadway.⁷

⁵ Manufactured gas plant ("MGP") contaminants in soil and groundwater located in Site 114 and any other areas are being addressed by Public Service Electric and Gas Company.

⁶ "Consent Judgment Compliance Letter" means a letter issued by NJDEP 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.

⁷ Certain grids located in Halladay Street South will be remediated in connection with the excavation activities at the Ten West property and other properties adjacent to the Ten West property.

Halladay Street North (between Carteret Avenue and Forrest Street): PPG completed excavation of chromium-impacted soils and backfilling in this section of roadway prior to the suspension of field activities resulting from the COVID-19 pandemic. Restoration of this roadway is expected to be completed by October 2020.

Forrest Street Roadway (west of Halladay Street to the terminus of the public roadway): On November 15, 2019, NJDEP issued a conditional approval letter with respect to the soils remediation documentation submitted by PPG for this roadway. The primary pre-condition to full approval is the written consent by the City of documentation relative to certain use restrictions that are required for this roadway. Final approval is expected in 2020.

Garfield Avenue (between Carteret Avenue and the NJ Transit Line): The JCO Parties have agreed to a restricted use remedy for this roadway consisting of engineering controls (existing asphalt cap) and institutional controls (notice in lieu of deed notice). Final documentation of the remedy was postponed pending the transfer to the City of a small strip of land that is currently part of Site 114, but that will become part of the roadway. Approvals for the transfer have been obtained. This clears the way for submittal of the remedial documentation for the Garfield Avenue roadway.

Carteret Avenue (between Garfield Avenue and Pacific Avenue): The excavation of chromium impacts in this roadway commenced on June 3, 2019 and was completed by PPG ahead of schedule on January 15, 2020. Backfilling was completed in February 2020. This was a very complicated remediation project given, among other things, the presence of a 96” sewer pipe located in this roadway and the precautions required to ensure that the pipe was not damaged during the remediation work. Documentation for the remedial action is scheduled to be submitted in Spring 2021.

While PPG has completed excavation and backfilling of this roadway, the Jersey City Municipal Utilities Authority (“JCMUA”) plans to rehabilitate the 96” sewer line located in the roadway. On July 7, 2020, JCMUA published its intention to accept bids for the project. The bid notification describes the project as generally consisting of:

“the cleaning and lining of approximately 1000 linear feet of steel sanitary sewer and junction chamber and approximately 160 linear feet of new 96” centrifugally cast fiberglass reinforced polymer mortar (CCFRPM) pipe supported on piles. Also the removal of an existing siphon, bypass pumping, construction of manholes, excavation, backfill, restoration and all other associated work as contained in the Contract Documents.”

JCMUA and PPG are coordinating efforts for the completion of the sewer project. I am closely monitoring the PPG-JCMUA coordination efforts. I will assist in resolving any disputes among the various parties that may arise.

Pacific Avenue/Caven Point Avenue: CCPW⁸ and CCPW-related impacts were discovered in portions of these roadways. The proposed remedy for this roadway is a restricted use approach consisting of engineering controls (existing asphalt cap) and institutional controls (notice in lieu of deed notice). Documentation for the remedial action is scheduled to be submitted by the end of this year.

C. Remediation of the GAG Offsite Properties

Former Halsted Corporation Property (78 Halladay Street): The bulk of the contaminated soil at this Site has been removed. The Site was restored as of October 2018. Remediation of residual chromium impacted soils on the western boundary of this Site took place during the remediation of Halladay Street North. Chromium impacts that cannot be removed along the eastern boundary of this Site will be addressed via a restricted use remedy.

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. Documentation relating to the work performed exterior to the buildings is expected to be finalized in 2020.

Ten West Apparel Property (800 Garfield Avenue, Jersey City) and Adjacent Parcels: Assuming Ten West vacates the 800 Garfield Avenue Site in August 2020, PPG will commence excavation at parcels adjacent to the Ten West property in November 2020 and thereafter proceed to the Ten West property. Excavation of all of these parcels is anticipated to be completed in September 2021. Remediation of impacted soils at the Ten West property and surrounding parcels will represent the final remaining known area of significant chromium-impacted soils in and around the GAG Sites.

D. Remediation of the Non-GAG Sites

Site 156, Metropolis Towers: PPG's investigation and remediation of soils (except for soils under the boiler room) and groundwater at this Site were fully approved by NJDEP in 2019. The only remaining area of environmental concern at this Site is the boiler room floor located in one of the towers. PPG and NJDEP agreed conceptually on an approach for the boiler room floor and soils beneath the floor that involves continued regular inspections of the floor coupled with a deed restriction. Documentation of that proposed remedy is expected to be finalized in 2020.

Site 16, Linden Avenue East: I am actively involved in overseeing negotiations between PPG and the property owner with respect to a scope of work for future remediation of chromium impacted soils under the building structures located at this Site. Soils exterior to the building have been remediated. Negotiations have been slowed due to the pandemic.

⁸ "CCPW" refers to chromate chemical production waste and is more particularly defined in the JCO.

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 impacted groundwater at this Site, including Site 65.⁹ PPG’s groundwater submittals, which call for the establishment of a classification exception area/well restriction¹⁰ area and a groundwater remedial action permit, are currently under review.

Sites 107, Site 108 and the Conrail Property: These three sites are contiguous and are being grouped for purposes of discussion.

Site 107: As noted above in Section I, PPG and NJDEP appear to be nearing agreement on a technical dispute as to the methodology for sampling and remediation of a portion of Site 107.

Site 108: PPG is reviewing a restricted use remedy for this Site involving the use of institutional controls and engineering controls. Approval of submittals to document this remedy is anticipated in the Spring of 2021.

Conrail Property: PPG is reviewing a restricted use remedy for this Site involving institutional controls and engineering controls. Approval of submittals to document this remedy is anticipated in the Spring of 2021.

Site 174 – Portion of Dennis Collins Park (Bayonne): In June 2019, PPG and the City of Bayonne executed a Memorandum of Understanding (“MOU”) addressing the coordination of the City’s redevelopment of the Park with the installation by PPG of a 2 ft. clean soil cap and other required engineering controls for the remediation of soils. PPG commenced the capping and other work in January 2020, but suspended field work in early April 2020 due to the COVID-19 pandemic. PPG is expected to resume work at the Park in September 2020. There is one potential issue that potentially could cause delays in the field work. During the installation of the cap and related activities at the Park, PPG encountered chromium impacted soil in an area of revetment adjacent to the Kill Van Kull that is characteristically different than the chromium impacts that will remain under the cap to be installed in the balance of the Park. PPG submitted a separate work plan for the investigation of this area. The milestones set forth in the Master Schedule, Attachment 2, for the completion of the work at the Park may have to be revised once the investigation of this area in the vicinity of the revetment is completed.

457 Communipaw Avenue: PPG commenced remedial investigation (delineation) activities at this Site in March 2019. Those activities continue. All access issues have been resolved. The new Master Schedule calls for PPG to complete its remedial investigation work at this Site and submit a final report of its remedial investigation efforts by June 2021.

⁹ The JCO Parties have agreed that any impacted groundwater at Site 65 (which includes portions of Burma Road and Morris Pesin Drive) will be deemed to have emanated from Site 63. Therefore, no action vis-à-vis groundwater is required for Site 65.

¹⁰ A “classification exception area/well restriction area” is an administrative and institutional control to address groundwater contamination.

IV. 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 two matters.

The first mediated matter related to claims by the City of Jersey City and the Jersey City Redevelopment Agency (“JCRA”) against PPG for alleged damage to municipal infrastructure and reimbursement of same. That matter was successfully resolved through the mediation process.

The second mediated matter related to claims by 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 claims 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 intend to confer with the parties to determine whether I should continue my mediation efforts and, if so, when.

V. Issues Raised by Site 114 Property Owner/Redeveloper

900 Garfield Avenue, L.L.C. is the owner of Site 114. Hampshire Urban Renewal Redevelopment, L.L.C. and Garfield JC Partners, LLC have been designated as the Redeveloper of the Canal Crossing Redevelopment Area. For ease of reference, 900 Garfield Avenue, L.L.C., Hampshire Urban Renewal Redevelopment, L.L.C. and Garfield JC Partners, LLC shall be referred to herein as “Hampshire.”

Hampshire has closely monitored PPG’s remediation activities. Its representatives have voiced their strong concerns directly with me and the other JCO Parties on numerous occasions regarding what Hampshire believes to be the excessively slow pace of PPG’s remediation of Site 114. Site 114 is integral to the redevelopment of the Canal Crossing Redevelopment Area.

To address Hampshire’s concerns as best as I can, subject to the constraints of my authority under the JCO, I have regularly communicated with Hampshire representatives and the JCO parties. I have had several face-to-face meetings (prior to the COVID pandemic) and participated in many conference calls with Hampshire representatives. I have attended meetings at the NJDEP offices at which Hampshire representatives were present as well as representatives of Governor Murphy. I have facilitated the scheduling of weekly direct communications between Hampshire and PPG so that Hampshire’s concerns can be addressed. The COVID-19 pandemic and the resulting suspension of field activities has caused additional frustration on Hampshire’s part and exacerbated the overall situation.

The JCO Parties and I are extremely sensitive to and aware of the importance of redevelopment activities commencing as soon as feasible. It has been a high priority for me, which, as Your Honor may recall, I have discussed with Your Honor at several of our in-person conferences. It is an issue that Your Honor may wish to address directly with Hampshire's representatives in the presence of all the JCO parties. This can be done either by conference call or via video conference.

PPG believes this Section V. should not be included in this Progress Report. I disagree.

VI. 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. 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 will be posted to the web site. All prior Progress Reports have also posted on the web site. On June 10, 2020, I posted a letter to the web site to inform the public of the status of the PPG work activities.

Newsletter: A newsletter summarizing the status of activities at the PPG chromium sites will be published in the coming months. The newsletter is widely distributed throughout the community and, historically, has been published at least once per calendar year.

Public Meetings: Typically, I hold a public meeting at least once per year. Given the COVID-19 pandemic, however, I have not held such a meeting in 2020. Our postings to the Chromium Cleanup Partnership web site and our upcoming newsletter are sufficient to advise the public of the status of the remediation work. I also remain available to address public inquiries and have done so on several occasions.

PPG Employment Report: Attachment 3 includes PPG's 1Q 2020 Employment Report in which PPG reports that it has satisfied the JCO goals for the reporting period.

Court Conference: Given the various disputes/concerns among the interested parties at Site 114, Site 107, Site 174 and PPG's return to work schedule resulting from the COVID-19 suspension, Your Honor may want to have a conference call or a video conference among all interested parties to discuss these issues. If you think that is advisable, please let me know. My assistant will make arrangements consistent with Your Honor's schedule.

I am available at Your Honor's convenience to answer any questions you may have.

Respectfully submitted,

/s/ Ronald J. Riccio

Ronald J. Riccio
Site Administrator

Attachments:

- **Attachment 1**: Definitions/Descriptions
- **Attachment 2**: Master Schedule dated July 31, 2020 with figures/maps
- **Attachment 3**: PPG 1Q 2020 Employment Report

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

ATTACHMENT 1

DEFINITIONS/DESCRIPTIONS

Attached to the revised Master Schedule (Attachment 2 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 “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 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 chromium-impacted roadways surrounding the GAG Sites, including Halladay Street, Forrest Street, Carteret Avenue, Garfield Avenue (from Carteret Avenue to the Light Rail) and in the area of the intersection 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)

Revision Date: July 31, 2020

(See General Note 2 re Potential COVID-19 Impacts on the Milestones set forth in this Master Schedule)

SOILS - GARFIELD AVENUE SITES

Group/Phase or Site (See Figure 1 attached)	Property Description (Owner) (See Figure 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 IRM #1 and Phases 1A, 1B, 1C, 2A, 2B-1, 2B-2, 2B-3, and 2B-4	Site 114 (JCRA/ Hampshire)	Access Complete	12/31/2013	11/24/2014	1/21/2015	1/31/2018 (see Comments)	10/31/2019	<p>RAR Determination/RAR Conditional Approval letters were issued by the New Jersey Department of Environmental Protection ("NJDEP") on October 31, 2019 and a final RAR Approval Letter was issued on December 5, 2019 and a Consent Judgment Compliance Letter (as defined in the General Notes attached to this Master Schedule) (Restricted Use) 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 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.</p> <p>The referenced approvals also exclude AOC 114-1B (CCPW-impacted soils in portions of Grids A5B, A6B, A7B, and B7B within the Western Sliver). The City of Jersey City Planning Board approved the subdivision of a narrow strip of the western boundary of Site 114 (parallel to the eastern boundary of Garfield Avenue), including the "Western Sliver" area. The title holder of this strip of land will transfer it to the City and it will become part of the Garfield Avenue roadway. The Remedial Action Report for Garfield Avenue will include AOC 114-1B. 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.</p>
GA Group Phase 3A	Site 132 (824 Garfield) (JCRA)	Access no longer required; Remediation Complete	3/4/2014	9/5/2014	5/15/2015	1/31/2018	6/27/2019	All CCPW has been excavated and the Site restored. An RAR Determination/Approval letter was issued on June 27, 2019 and a Consent Judgment Compliance Letter (Unrestricted Use for CCPW and CCPW-related metals) was issued on November 1, 2019 for AOC 132-1.
	Site 143 (846 Garfield) (PPG)	PPG Owned	3/4/2014	9/5/2014	5/15/2015	1/31/2018	9/30/2019	All CCPW has been excavated and the Site has been restored. An RAR Determination/Approval letter was issued on September 30, 2019 and a Consent Judgment Compliance Letter (Unrestricted Use 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)	PPG Owned	7/9/2014	5/15/2015	8/3/2015	1/31/2018	9/30/2019	All CCPW has been excavated and the Site has been restored. An RAR Determination/Approval letter was issued on September 30, 2019 and a Consent Judgment Compliance Letter (Unrestricted Use 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 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 (See Comments)	September 2021	October 2021	December 2021	February 2023	<p>PPG has excavated a portion of these Sites. The remaining portions of the planned excavations at these Sites were deferred until Ten West Apparel ("Ten West") vacates 800 Garfield Avenue. It is currently anticipated that Ten West will vacate the property in August 2020. Based upon that assumption, PPG will commence the remaining portions of the planned excavations in November 2020.</p> <p>The sites included within GA Group Phase 3B South were not part of NJDEP's March 30, 2017 capillary break determination letter or the NJDEP-approved December 2017 Capillary Break Design Report. Therefore, a separate determination must be made by the Department prior to Restoration Complete as to the need for a capillary break at these sites.</p>
	Fishbein (816 Garfield Avenue) (PPG)	PPG Owned	March 2021	September 2021	October 2021	December 2021	February 2023	<p>Excavation at these Sites was deferred until Ten West vacates 800 Garfield Avenue. It is currently anticipated that Ten West will vacate the property in August 2020.</p> <p>The sites included within GA Group Phase 3B South were not part of NJDEP's March 30, 2017 capillary break determination letter</p>

Master Schedule for the NJ PPG Chrome Remediation Sites

(Exhibit 2/3)

Revision Date: July 31, 2020

(See General Note 2 re Potential COVID-19 Impacts on the Milestones set forth in this Master Schedule)

SOILS - GARFIELD AVENUE SITES

Group/Phase or Site (See Figure 1 attached)	Property Description (Owner) (See Figure 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
	Ten West Apparel (800 Garfield Avenue) (PPG)	PPG Owned						or the NJDEP-approved December 2017 Capillary Break Design Report. Therefore, a separate determination must be made by the Department prior to Restoration Complete as to the need for a capillary break at these sites.
GA Group Phase 3C	Halladay Street South (AOC HSS-1A) (Jersey City)	Road Closure In Place	4/21/2015	10/22/2015	7/29/2016	1/31/2018	5/2/2019	All CCPW has been excavated at the AOC HSS-1A portion of the Site and that portion of the Site has been restored. An RAR Determination letter for AOC HSS-1A was issued on May 2, 2019, an RAR Approval letter was issued on November 15, 2019 and a Consent Judgment Compliance Letter (Unrestricted Use 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.
	Halladay Street South (AOC HSS-1B) (Jersey City)	Road Closure In Place	November 2020	September 2021	October 2021	December 2021	February 2023	Grids in Halladay Street South adjacent to Ten West (Grid Columns 42A through 47A and partial Grid P41A) that constitute AOC HSS-1B will be excavated, backfilled, and restored in connection with the Phase 3B South remediation activities. The established milestones for AOC HSS-1B are: (1) consistent with the Phase 3B South Master Schedule milestones, and (2) subject to the assumption that Ten West will vacate the property in August 2020.
	Site 133 East (22-68 Halladay)(AOC 133E-1A) (PPG)	PPG Owned	4/21/2015	10/22/2015 (See Comments)	7/29/2016 (See Comments)	1/31/2018 (See comments)	10/11/2019	All CCPW has been excavated at the AOC 133E-1A portion of the Site and that portion of the Site has been restored. An RAR Determination/Approval letter for Site 133 East AOC 133E-1A was issued on October 11, 2019 and a Consent Judgment Compliance Letter (Unrestricted Use 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 133 East (22-68 Halladay) (AOC 133E-1B) (PPG)	PPG Owned	November 2020	September 2021	October 2021	December 2021	February 2023	Grids in Site 133 East adjacent to Halladay Street South (Grid Rows P through R plus Grids S43A and S44A)) that constitute AOC 133E-1B will be excavated, backfilled, and restored in connection with the Phase 3B South remediation activities. The established milestones for AOC 133E-1B are: (1) consistent with the Phase 3B South Master Schedule milestones, and (2) subject to the assumption that Ten West will vacate the property in August 2020.
	Site 135 North (Portion of 51-99 Pacific) (PPG)	PPG Owned	2/23/2016	5/25/2016	7/29/2016	1/31/2018	10/11/2019	All CCPW has been excavated and the Site has been restored. An RAR Determination/Approval letter for Site 135 AOC 135-1 was issued 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).
GA Group Site 135 South	Site 135 South (Remainder of 51-99 Pacific) (PPG)	PPG Owned	3/16/2016	8/23/2016	12/29/2016	1/31/2018	10/11/2019	All CCPW has been excavated and the Site has been restored. An RAR Determination/Approval letter for AOC 135-1 was issued 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).
	Halsted Corporation (78 Halladay St) (PPG)	PPG Owned	5/7/2018	8/10/2018 (See Comments)	8/24/2018 (See Comments)	October 2020	December 2021	Excavation and backfilling of this site have been completed with the exception of residual chromium-impacted soils along the eastern boundary of the site, which will remain in order to protect building structures located on adjacent properties. These impacts will be addressed via a restricted use remedy. See Soil Note 8 regarding MGP contamination. This property was not part of NJDEP's March 30, 2017 capillary break determination letter or the NJDEP-approved December 2017 Capillary Break Design Report. Therefore, a separate determination must be made by the Department as to the need for a capillary break at this Site. The restoration complete milestone assumes that PPG will submit the capillary break evaluation with all other supporting documentation by September 2020.

Master Schedule for the NJ PPG Chrome Remediation Sites

(Exhibit 2/3)

Revision Date: July 31, 2020

(See General Note 2 re Potential COVID-19 Impacts on the Milestones set forth in this Master Schedule)

SOILS - GARFIELD AVENUE SITES

Group/Phase or Site (See Figure 1 attached)	Property Description (Owner) (See Figure 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 108 Forrest St (Caragliano)	Access complete	3/27/2017	7/19/2017	8/9/2017	5/2/2018	10/29/2019	PPG, NJDEP and the property owner reached agreement regarding a remedial approach for 108 Forrest Street that called for the excavation and backfilling of impacted soils for the majority of the property exterior to the 100 Forrest Street building, and a restricted use remedy adjacent to the building where excavation was prohibited to avoid structural damage to the building. Excavation and backfilling of the agreed upon area was completed and engineering controls consistent with the property's current non-residential use were installed to address remaining impacts adjacent to the 100 Forrest Street building. PPG will conduct remedial excavation of the impacts that remain adjacent to the 100 Forrest Street building in the event the building is demolished and the remaining impacted materials become accessible. The timing of building demolition is unknown and outside of the scope of this Master Schedule. An RAR Determination letter for AOC FSP-1A and FSP-1B was issued on October 29, 2019. An RAR Conditional Approval letter was issued on November 15, 2019; final approval of the RAR is conditional upon property owner concurrence with the RAR. See Soil Note 8 regarding MGP contamination.
	Forrest Street Properties 84, 86-90, and 98-100 Forrest St (Caragliano)	Access complete	See Comments	See Comments	See Comments	See Comments	October 2022	On February 11, 2020, the property owner approved a Remedial Action Work Plan ("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. Current-use remedial action implementation is expected to be completed by July 2021 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. See Soil Note 8 regarding MGP contamination.
	Al Smith Moving (33 Pacific Avenue) (NJEDA c/o Al Smith Moving)	Access no longer required; Remediation Complete	8/16/2017	1/8/2018	1/26/2018	2/15/2018	5/28/2019	All CCPW has been excavated and the Site restored. An RAR Determination/Approval letter for soils was issued on May 28, 2019 and a Consent Judgment Compliance Letter (Unrestricted Use for CCPW and CCPW-related metals) was issued on October 11, 2019 for AOC ASM-1.
	Site 199 – Green Gray Mud in Former Morris Canal	Access to be Obtained	See Comments	See Comments	See Comments	See Comments	See Comments	PPG will propose a separate master schedule pursuant to the terms of the 2011 Consent Judgment that will establish milestones for the regulatory closure of the green gray mud in the former Morris Canal located within the NJ Transit right of way and what is also referred to as Site 199. The inclusion of Site 199 in this Master Schedule does not commit PPG to the jurisdiction of the JCO for this site.
GA Group Phase 4 Roadways	Carteret Avenue (Jersey City)	Road Closure in Place	6/3/2019	1/15/2020	2/7/2020	October 2020	August 2021	See Soil Note 8 regarding MGP contamination. This roadway was not part of NJDEP's March 30, 2017 capillary break determination letter or the NJDEP-approved December 2017 Capillary Break Design Report. Therefore, a separate determination must be made by the Department prior to the Restoration Complete milestone as to the need for a capillary break at this Site. The restoration complete milestone assumes that PPG will submit the capillary break evaluation with all other supporting documentation by September 2020.
	Halladay Street North (Jersey City)	Road Closure in Place	1/16/2020	4/2/2020	4/10/2020	October 2020	December 2021	See Soil Note 8 regarding MGP contamination. This roadway was not part of NJDEP's March 30, 2017 capillary break determination letter or the NJDEP-approved December 2017 Capillary Break Design Report. Therefore, a separate determination must be made by the Department prior to Restoration Complete as to the need for a capillary break at this Site. The restoration complete milestone assumes that PPG will submit the capillary break evaluation with all other supporting documentation by September 2020.

Master Schedule for the NJ PPG Chrome Remediation Sites

(Exhibit 2/3)

Revision Date: July 31, 2020

(See General Note 2 re Potential COVID-19 Impacts on the Milestones set forth in this Master Schedule)

SOILS - GARFIELD AVENUE SITES

Group/Phase or Site (See Figure 1 attached)	Property Description (Owner) (See Figure 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
	Forrest Street (Jersey City)	See Comments	3/27/2017	8/4/2017	9/1/2017	6/27/2018	10/29/2019 (See Comments)	<p>An RAR Determination letter for AOCs FS-1A, FS-1B, and FS-1C was issued on October 29, 2019. On November 15, 2019, NJDEP issued an RAR Conditional Approval letter. The primary condition to full approval is the written consent or full execution by the City of the Notice in Lieu of Deed Notice for this roadway.</p> <p>PPG will conduct remedial excavation of the remaining impacts in the roadway in the event the Forrest Street Properties buildings are demolished and the remaining impacted materials become accessible, consistent with the RAWP approved by NJDEP on February 19, 2020. The timing of building demolition on the Forrest Street Properties is unknown and outside of the scope of this Master Schedule.</p> <p>See Soil Note 8 regarding MGP contamination.</p>
	Garfield Avenue (Jersey City)	See Comments	See Comments	See Comments	See Comments	See Comments	August 2021	<p>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, 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. The RAWP was approved by NJDEP on December 18, 2019.</p> <p>The City of Jersey City Planning Board approved the subdivision of a narrow strip of the western boundary of Site 114 (parallel to the eastern boundary of Garfield Avenue), including the "Western Sliver" area (AOC 114-1B, where limited CCPW-impacts currently remain). The title holder of this strip of land will transfer it to the City and it will become part of the Garfield Avenue roadway. The Remedial Action Report for Garfield Avenue will include AOC 114-1B.</p> <p>This roadway was not part of NJDEP's March 30, 2017 capillary break determination letter or the NJDEP-approved December 2017 Capillary Break Design Report. A capillary break evaluation was, however, included in the RAWP for the current use scenario; the RAWP calls for a capillary break reassessment as part of any roadway modifications in connection with the Canal Crossing Redevelopment.</p>
	Pacific Avenue/ Caven Point Avenue	See Comments	See Comments	See Comments	See Comments	See Comments	June 2021	<p>CCPW-related impacts were discovered in portions of these roadways. PPG submitted a revised RIR/RAWP for soils in these roadways on June 18, 2020. The remedial alternative proposed in the RAWP for the impacted portions of these roadways consists of engineering controls (existing asphalt cap) and institutional controls (notice in lieu of deed notice).</p> <p>This roadway was not part of NJDEP's March 30, 2017 capillary break determination letter or the NJDEP-approved December 2017 Capillary Break Design Report. A capillary break evaluation was, however, included in the RIR/RAWP referenced above. A capillary break determination will be made as part of NJDEP's review of this submittal.</p>

Master Schedule for the NJ PPG Chrome Remediation Sites

(Exhibit 2/3)

Revision Date: July 31, 2020

(See General Note 2 re Potential COVID-19 Impacts on the Milestones set forth in this Master Schedule)

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)	Access agreement in place	6/16/2014 (See Comments)	See Comments	See Comments	See Comments	See Comments	PPG completed excavation and backfilling of this property exterior to the buildings in June 2015. PPG and the property owner are in negotiations regarding the remedy for the impacts under the building structure. Therefore, milestones for remediation of such impacts are on hold. Some remediation will be required in the street. That remediation will be performed concurrent with the remediation of the building. PPG will notify the City at least 90 days prior to the date that the street needs to be closed.
Site 63	Baldwin Oil (Nisan 12)	Access agreement in place	4/28/2014	5/19/2015	5/19/2015	6/13/2015	4/27/2017	All CCPW has been excavated and the Site has been restored. A Consent Judgment Compliance Letter (Unrestricted Use) with respect to soils CCPW and CCPW-related metals only was issued by NJDEP on January 30, 2018.
Site 65	Burma Road/Morris Pesin Drive (Jersey City)	See Comments	4/28/2014	See Comments	See Comments	See Comments	5/31/2019	PPG, the 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 Determination/Approval letter was issued on 5/31/19, 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) was issued on April 6, 2020.
Site 107	Fashionland (Site 107 – Ancam, LLC, aka EMI)	107 - Access agreement in place	6/13/2018	March 2021	March 2021	March 2021	April 2022	PPG has completed excavation and backfilling of a large portion of this site, with the exception of one area in the northwest corner of the site (referred to as the "MSA"). The established milestones assume that a work plan for the MSA will be submitted by PPG in August 2020, that the plan will be approved by NJDEP by October 2020 and that work will commence in November 2020.
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	April 2021	The RAR Determination milestone assumes that a restricted use remedy will be implemented.
Site 108	Albanil Dyestuff (Site 108 - American Self Storage Liberte, LLC)	Access agreement in place; will require amendment	6/13/2018	See Comments	See Comments	See Comments	April 2021	The RAR Determination milestone assumes that a restricted use remedy will be implemented.
Site 156	Metro Towers (ALMA)	Access agreement in place	3/18/2013	5/23/2014	5/30/2014	6/30/2014	Soils Area of Concern: 10/12/2018	A Consent Judgment Compliance Letter (Unrestricted Use) for CCPW and CCPW-related metals only in soil beyond AOC 3 (Boiler Room) footprint (AOC 1) was issued on June 28, 2019.
							Boiler Room: October 2020	PPG submitted a combined RIR/RAWP/RAR in March 2020 for the Boiler Room. The proposed remedy for the boiler room involves continued regular inspections by PPG under a Remedial Action Permit, coupled with a deed restriction.
Site 174	Dennis Collins Park (City of Bayonne)	Access agreement in Place (See Comments)	4/8/2013	9/30/2016	9/30/2016	February 2021	March 2022 (See Comments)	In 2016, PPG completed focused excavation, backfilling, and restoration of portions of the Park. On June 6, 2019, PPG and the City of Bayonne entered into a Memorandum of Understanding (MOU) setting forth the parties' understandings concerning the coordination of the installation of a 2 ft. clean soil cap and other required engineering controls for the remediation of soils with the City's redevelopment of the Park. In addition, PPG, the City of Bayonne, and Green Acres have negotiated an access agreement that incorporates Green Acres requirements for implementation of the final remedy. PPG commenced the installation of the cap and other required field activities in January 2020, but suspended work in early April 2020 resulting from the COVID-19 pandemic. The established milestones are based upon the resumption of field activities in September 2020. These milestones exclude any work for chromium impacts identified in the revetment area and that require further investigation. These milestones may have to be revisited once that investigation is complete.

Master Schedule for the NJ PPG Chrome Remediation Sites

(Exhibit 2/3)

Revision Date: July 31, 2020

(See General Note 2 re Potential COVID-19 Impacts on the Milestones set forth in this Master Schedule)

SOILS – NON-GARFIELD AVENUE SITES

Site 186	Garfield Avenue #1	Access no longer required; Remediation Complete	8/19/2013	11/1/2013	11/1/2013	11/20/2013	4/16/2014	All CCPW has been excavated and the Site restored. A Consent Judgment Compliance Letter (Unrestricted Use; Entire Site) for CCPW and CCPW-related metals in soil was issued July 15, 2015.
457 Communipaw	457 Communipaw Right-of-Way (285 Lincoln Avenue, LLC)	See Comments	See Comments	See Comments	See Comments	See Comments	See Comments	During the investigation of this site, it was determined that CCPW impacts exist on 457 Communipaw Avenue (privately owned), but also on several parcels owned by the Jersey City Redevelopment Authority ("JCRA"). A portion of the entrance to Berry Lane Park from Communipaw Avenue has been fully remediated. A site investigation was performed in 2017 at 457 Communipaw Avenue. PPG submitted a PA/SI/RIWP for this property in February 2018. The RI work at this site began in March 2019 and is ongoing. An access agreement has been entered with the property owner. PPG shall submit an RIR by June 2021.

Master Schedule for the NJ PPG Chrome Remediation Sites

(Exhibit 2/3)

Revision Date: July 31, 2020

(See General Note 2 re Potential COVID-19 Impacts on the Milestones set forth in this Master Schedule)

GROUNDWATER

GA GROUP GROUNDWATER MILESTONES							
Group/Phase or Site	Property Description (Owner)	IRM/RI Start	IRM Performance Monitoring Complete	Remedial Investigation Report Submitted	Remedial Action Work Plan Submitted	Remedial Action Report Submitted	Comments
GW IRM Phase I	Site 114 (JCRA/Hampshire)	12/29/2017	See Comments	N/A	N/A	N/A	The Phase I IRM system was designed to extract ground water from the areas of highest Cr concentration in the northern portion of Site 114 and make use of the treated water to support bio-precipitation in the southern portion of Site 114. For more detail, see "Groundwater Interim Remedial Measure: Phase I Design and Permit-by-Rule Authorization Request" dated June 2017, as amended. The IRM Phase I activities also included active remediation within the shallow zone groundwater to address localized exceedances of the groundwater quality standards. Phase I of the IRM called for approximately one year of active treatment and up to two years of performance monitoring after the Phase I active treatment is complete. The Phase I IRM System operated from December 2017 until April 2020, except that supplemental treatment of the Phase I IRM area near Carteret Avenue will continue for an as yet to be determined period. The JCO Parties have agreed to ongoing dialogue and collaboration around IRM performance monitoring that may result in a revisiting of the post-remediation monitoring timeframes. Quarterly reporting on the progress of the IRM has been provided by PPG.
GW IRM Phase II	Site 114 (JCRA/Hampshire)	September 2020	December 2023	N/A	N/A	N/A	Conceptually, Phase II of the IRM will implement bio-precipitation in the intermediate and upper portion of the deep water-bearing zones, with the same considerations as noted above for Phase I. For more detail, see "Groundwater Interim Remedial Measure: Phase II Design and Permit-by-Rule Authorization Request" dated February 2019. As of April 2020, PPG had installed all of the groundwater injection wells and extraction wells, conducted baseline sampling of wells in the Phase II system and substantially installed piping and other infrastructure needed for the Phase II program. PPG anticipates based on current projections that the initial start date for the Phase II system will occur in October 2020. What PPG anticipates is not accepted as a modification of the September 2020 milestone. Phase II of the IRM calls for approximately one year (or up to 14 months) of active treatment and up to two years of performance monitoring after the Phase II active treatment is complete. The JCO Parties have agreed to ongoing dialogue and collaboration around IRM performance that may result in a revisiting of the post-remediation monitoring timeframes. PPG will report quarterly on the progress of the IRM.
GW IRM Phase III	South of Carteret (PPG & JCRA)	November 2021	January 2025	N/A	N/A	N/A	Phase III is contingent on PPG Management approval. Conceptually, Phase III of the IRM will address the area south of Carteret Avenue, with the same considerations as noted above for Phase I and Phase II.
GW IRM Phase IV	Other Adjacent Properties	TBD	TBD	N/A	N/A	N/A	Phase IV (if warranted) is contingent on PPG Management approval. Adjacent properties may include but are not limited to roadways adjacent to the GAG Sites (i.e., Forrest Street, Halladay Street, Carteret Avenue and Garfield Avenue), the Forrest Street Properties, the former Halsted Corporation property and the Ten West Apparel property. Other properties/roadways may be identified by the ongoing groundwater remedial investigation. Milestone dates will need to be established at an appropriate point in the future based on information generated by the remedial investigation.
Remedial Investigation	Entire Site Group	N/A	N/A	December 2020	N/A	N/A	A draft GW RIR was submitted to NJDEP in October 2018. Review of the draft RIR indicated an uninvestigated area above bedrock that required delineation. As of July 2020, PPG had installed 19 additional deep wells designed to delineate this area. Submittal of data tables, figures, fence diagrams and other data agreed by PPG and NJDEP to be generated during the installation of the deep wells are to be provided to NJDEP by September 2020, and the revised RIR will be submitted to NJDEP in December 2020.
Remedial Action Work Plan	Entire Site Group	N/A	N/A	N/A	December 2020	N/A	PPG may submit the RAWP in advance of the date presented herein if sufficient information is obtained during IRM Phases I and/or II.
Remedial Action Report	Entire Site Group	N/A	N/A	N/A	N/A	November 2023	Areas with groundwater remediated after submittal of the groundwater RAR can be addressed through addenda to the groundwater RAR.
NON-GA GROUP GROUNDWATER MILESTONES							
Site 16	(see non-GAG Soils table)	N/A	N/A	10/28/2019	TBD	TBD	PPG rescinded a previously submitted groundwater RIR/RAWP and issued an RIR Addendum on 10/28/19. The most recent revision to the RIR Addendum was submitted by PPG on 6/9/20
Site 63	(see non-GAG Soils table)	N/A	N/A	RIR/RAWP Submittal: 5/13/2019		TBD	The most recent version of the RIR/RAWP was submitted on 1/31/20, NJDEP provided comments to the 1/31/20 submittal on 4/24/20. PPG and NJDEP are discussing the resolution of the capillary break evaluation for the site. RAR Submittal date will be determined once NJDEP approves the RIR/RAWP.
Site 65	(see non-GAG Soils table)	N/A	N/A	See Comments		See Comments	Pursuant to the settlement agreement entered by PPG, the City, JCMUA and NJDEP, impacted groundwater at Site 65 has been deemed to have emanated from Site 63. Therefore, no action vis-à-vis groundwater is required for Site 65. NJDEP issued a Consent Judgment Compliance Letter (Unrestricted Use for CCPW and CCPW-related metals) dated April 6, 2020 for groundwater at Site 65.

Master Schedule for the NJ PPG Chrome Remediation Sites

(Exhibit 2/3)

Revision Date: July 31, 2020

(See General Note 2 re Potential COVID-19 Impacts on the Milestones set forth in this Master Schedule)

GROUNDWATER

Group/Phase or Site	Property Description (Owner)	IRM/RI Start	IRM Performance Monitoring Complete	Remedial Investigation Report Submitted	Remedial Action Work Plan Submitted	Remedial Action Report Submitted	Comments
Site 107, Site 108 and Conrail Right-of-Way	(see non-GAG Soils table)	N/A	N/A	RIR/RAWP Submittal: November 2021		TBD	
Site 156	(see non-GAG Soils table)	N/A	N/A	RIR Submittal: 4/16/2018	N/A	None required, See Comments	The GW RIR demonstrated compliance with the GWQS. A Consent Judgment Compliance Letter for the groundwater AOC (AOC 2) was issued on June 28, 2019.
Site 174	(see non-GAG Soils table)	N/A	N/A	RIR/RAWP Submittal: TBD		TBD	RIR/RAWP milestone date will be established when the capping remedy is complete and there is resolution on the CCPW revetment investigation.
Site 186	(see non-GAG Soils table)	N/A	N/A	Site 186 Groundwater Remedial Investigation incorporated into GA Group RI		November 2023	Site 186 groundwater investigation/remedial action is considered part of the Garfield Avenue Group groundwater program.

Master Schedule for the NJ PPG Chrome Remediation Sites
(Exhibit 2/3)
Revision Date: July 31, 2020

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).

"Principals" means, collectively, PPG, NJDEP, the City of Jersey City and the Site Administrator.

SOILS NOTES:

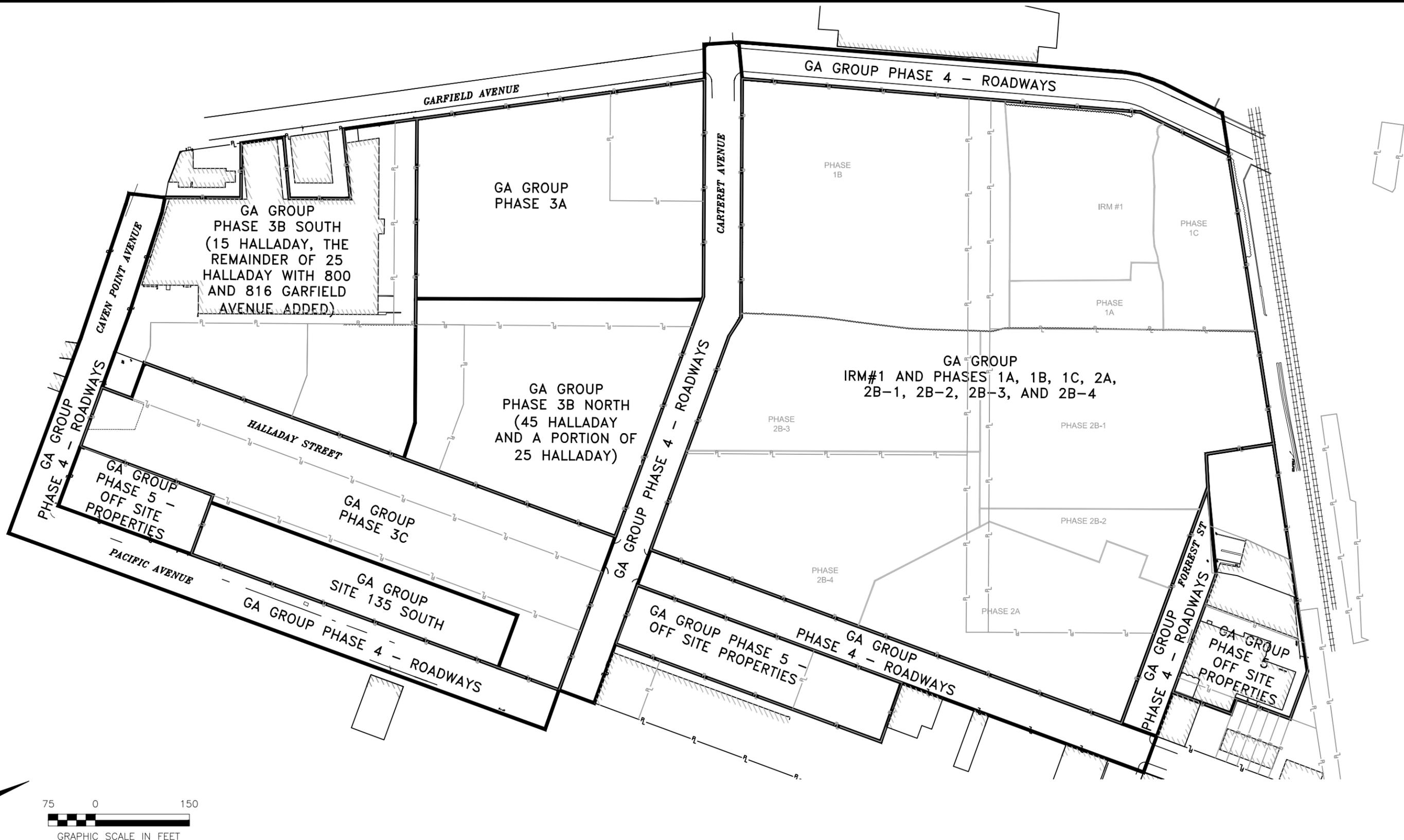
- 1) Green shading indicates that milestones have been attained. Green shading of the comments column indicates that a Consent Judgment Compliance Letter has been issued.
- 2) "Excavation Start" means access has been gained, building demolition and shoring installation, if required, have been completed, 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 the Department 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 MGP AOCs located within and emanating from Site 114 under the Licensed Site Remediation Program ("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 and would continue without interruption although litigation between JCRA and PPG is ongoing for JCRA owned properties.
- 2) "N/A" means not applicable.

FIGURES 1 and 2 ATTACHED

Piscataway on uspsw2\fp001\Data_uspsw2\fp001\Environment(J)
 User: Amy.Krayer Plotted: Feb 05, 2020 - 1:33pm
 File: P:\Jobs\Rem_Eng\Project Files\PPG Industries\Garfield Avenue\30% Design\CADD\MEETING FIGURES\2020-02-05 GAG Vicinity Ref Figure.dwg Layout: FIGURE 1



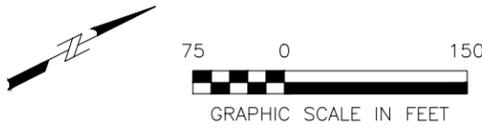
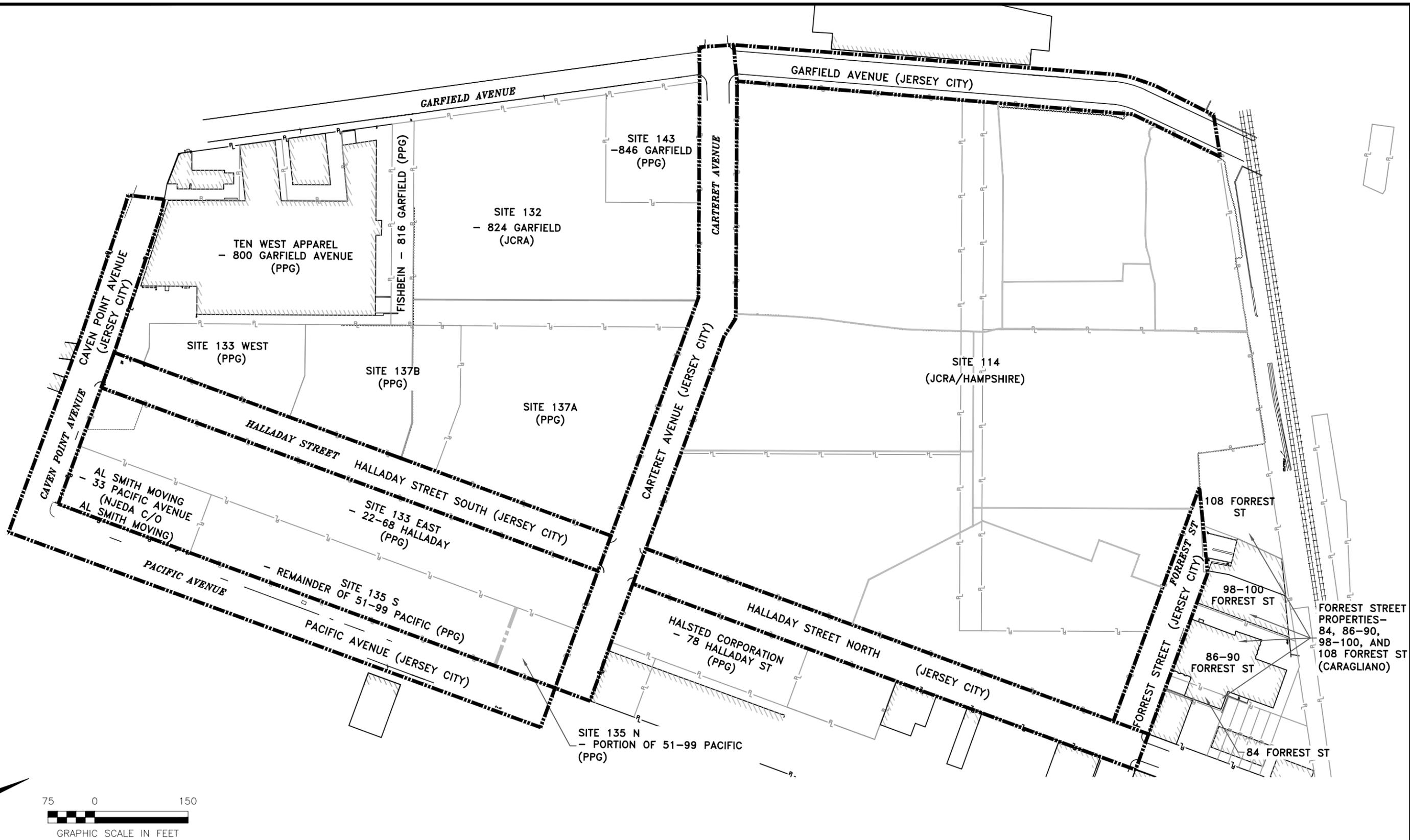
NOTES:

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		GROUP/PHASE OR SITE PLAN
DATE: 02/05/2020	DRWN: DCB	FIGURE 1

Piscataway on uspsw2\fp001\Data_uspsw2\fp001\Environment(J)
 User: Amy.Krayer Plotted: Feb 05, 2020 - 2:12pm
 File: P:\Jobs\Rem_Eng\Project Files\PPG Industries\Garfield Avenue\30% Design\CADD\MEETING FIGURES\2020-02-05 GAG Vicinity Ref Figure 2.dwg Layout: FIGURE 2



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: 02/05/2020	DRWN: DCB	

FIGURE 2

ATTACHMENT 3
PPG EMPLOYMENT REPORT
(ATTACHED)



440 College Park Drive
Monroeville, PA 15146 USA
T: 724.325.5070
M: 412.235.8881
E: overmyer@ppg.com
ppg.com

Jody Overmyer
Senior Remediation Project Manager

July 14, 2020

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
1Q20 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 2020, 12 firms provided services, including environmental consultants, for on-site activities directly related to investigation and remediation of PPG's chromium sites. One of these firms (ENTACT) maintains 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 32.2% of the manpower employed on the project. Jersey City residents accounted for a total of 7,235 manhours or 25.6% of the manpower used on the project during the first quarter, and 291,563 manhours or 29.6% of the manpower 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 that reads "Jody Overmyer" followed by a stylized flourish and the letters "es".

Jody Overmyer

Ecc:

P. Amin
P. Baker
N. Colson
D. Doyle
R. Engel
S. Faeth

R. Feinberg
C. Fiore
W. Howitz
J. Lagrotteria
D. Laguzza
J. Ray

D. Spader
N. Strasser
M. Terril
J. Worden

PPG
New Jersey Chrome Project
Garfield Avenue Group Sites
Q1 2020 Local Employment Report
July 14, 2020

	ACT Electric	Borbas Surveying	Creamer	ENTACT	Evoqua	G4S	Totals
January	0	0	0	760	0	432	1,192
	32	64	240	4,384	833	672	6,225
February				554	0	335	889
				3,304	674	672	4,650
March				662	0	423	1,085
				3,800	564	839	5,203
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	1,976	0	1,190	3,166
	32	64	240	11,488	2,070	2,183	16,077

Note: Jersey City Contractors in Red

JC Resident Hours
Total Hours

Project to Date (All Sites)	Jersey City MH's	Total MH's	% 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	7,235	28,313	25.6%
Project Totals:	291,563	985,623	29.6%

PPG
New Jersey Chrome Project
 Non-Garfield Avenue Group Sites
 Q1 2020 Local Employment Report
 July 14, 2020

	Site 107	Site 174 Dennis Collins Park			Totals
	SOS Security	ENTACT	G4S	Sklar	
January	514	480	162		1,156
	672	2,116	336		3,124
February	619	472	328		1,419
	840	2,686	672		4,198
March	598	528	368	0	1,494
	792	3,280	839	3	4,914
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:	1,731	1,480	858	0	4,069
	2,304	8,082	1,847	3	12,236

Note: Jersey City Contractors in Red

JC Resident Hours
Total Hours