

Attachment D

Air Monitoring Plan Amendment 35 (Carteret Avenue Area)

Air Monitoring Plan Amendment 35

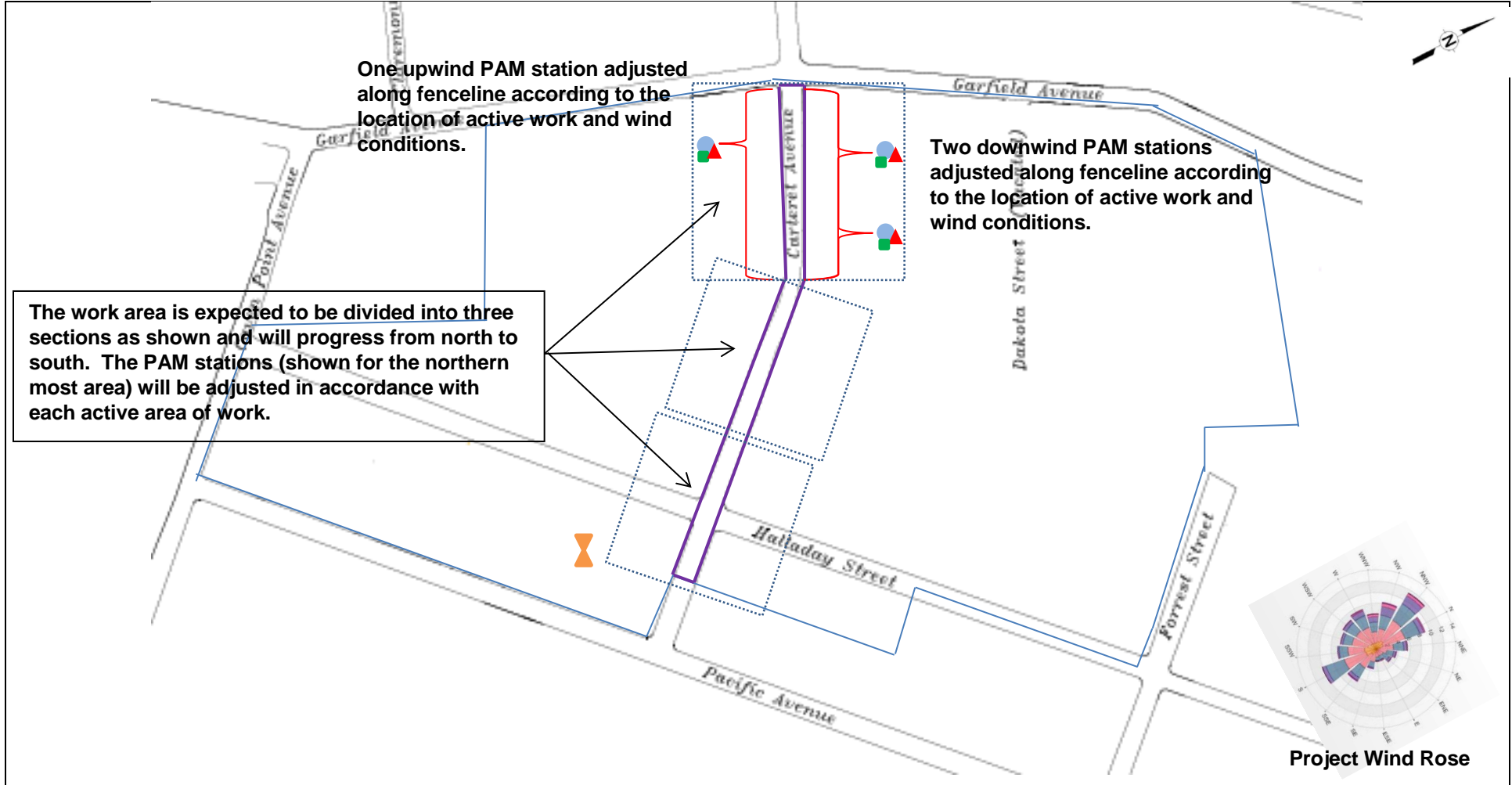
Client: PPG	Amendment No.: 35 Carteret Avenue Area
Location: Jersey City, NJ	Submittal Date: 10/16/18
<p>Amendment Description:</p> <p>This Air Monitoring Plan (AMP) Amendment describes the air monitoring and sampling to be performed during excavation and backfilling activities in the Carteret Avenue Area. Air monitoring and sampling associated with additional areas of excavation or backfilling activities (i.e., Halladay Street North Area, etc.) will be addressed under separate AMP Amendments and the required air monitoring stations (AMS) are not reflected herein.</p> <p>Air monitoring and sampling for the Carteret Avenue Area will be conducted during active periods of excavation and backfilling activities. Excavation of contaminated soils of the Carteret Avenue Area has the potential to create fugitive dust emissions. Dust generated has the potential to contain Hexavalent Chromium (Cr⁺⁶); therefore, an approach that includes both real-time monitoring and integrated sampling has been included to minimize the impact on the surrounding community. The air monitoring and sampling associated with the Carteret Avenue Area will be stopped upon completion of backfilling activities. AECOM will provide verbal notification when this milestone has been completed and will shut down air monitoring and sampling activities accordingly.</p> <p>The air monitoring and sampling associated with the Carteret Avenue Area will be conducted during active periods of work and are summarized below.</p> <p>Air Monitoring and Sampling:</p> <ul style="list-style-type: none"> • Conduct real-time fenceline PM₁₀ and TVOC monitoring and daily 8- to 10-hour integrated Cr⁺⁶ sampling at a minimum of three air monitoring stations (AMS) (1 upwind and 2 downwind) around the active work area. • Conduct real-time meteorological monitoring at a central on-Site location. • Conduct hand-held, real-time PM₁₀ and TVOC monitoring at four to six locations around the perimeter of the exclusion zone every two hours. • Conduct hand-held hydrogen sulfide (H₂S) monitoring at four to six locations around the perimeter of the exclusion zone every two hours (during the use of FerroBlack®-H only). <p>At this time it is anticipated that the work will transition from one area to the next following the completion of backfilling activities. If there is more than one area of active work the positions of the AMS will be evaluated and it will be determined if additional stations are necessary. The locations of the air monitoring stations will be adjusted daily based on ongoing activities, daily actual and forecasted wind conditions, and health and safety considerations for the air monitoring technician(s) and equipment. Work is expected to begin along Garfield Avenue and progress towards Pacific Avenue. A conceptual design of the three approximate work areas and potential locations for the AMS are included in Figure 1. Changes to the daily locations will be documented in the Weekly Air Monitoring Summaries.</p>	

Monitoring and sampling described herein will be performed in accordance with the December 2010 AMP Revision and applicable AMP Amendments. Program elements associated with, but not limited to, the following will remain the same: Action Levels, Acceptable Ambient Concentrations (AACs), and reporting requirements.

Reason for Amendment:

Excavation of contaminated soils of the Carteret Avenue Area has the potential to create fugitive dust emissions. Dust generated has the potential to contain Cr^{+6} ; therefore, an approach that includes both real-time monitoring and integrated sampling has been included to minimize the impact on the surrounding community.

Figure 1: Conceptual Site Map for the Air Monitoring and Sampling for the Carteret Avenue Area



Legend:	Definitions:	Comments:
● Fenceline Portable Air Monitoring Station	PAM – Portable Air Monitoring Station	• The locations of the PAM stations shown herein are for example only and represent wind conditions (from the north-northwest) during active work.
▲ Integrated 8- to 10-hour Cr ⁺⁶ Sampling Station	Cr ⁺⁶ – Hexavalent Chromium	• Locations of the air monitoring stations will be selected daily based on the location of the active work and actual and forecasted wind conditions. The locations of the PAM stations will be documented in the Weekly Air Monitoring Summaries.
■ Real-time PM ₁₀ and TVOC Monitoring Station	PM ₁₀ – Respirable Particulate Matter	• Wind rose represents onsite wind conditions from July 1, 2010 through September 30, 2018.
⊘ Meteorological Tower	TVOC – Total Volatile Organic Compounds	
— Site Fenceline		
— Halsted & Halladay Street North Area		
..... Approximate Work Areas		