

Appendix I

Licensed Quarry Material Documentation

**Appendix I. Licensed Quarry Material Documentation
Site 107, Garfield Avenue Group
PPG Jersey City, New Jersey**

This appendix includes a list of load reports for licensed quarry material and dense graded aggregate (DGA) that was used to backfill and restore the Majority Area Soil (AOC-1A) at the Hudson County Chrome (HCC) Site 107, Jersey City, New Jersey. The backfill of the Majority Area Soil at HCC Site 107 occurred concurrently with backfill on the adjacent HCC Site 108, the Consolidated Rail Company right-of-way and the Site 067 utility easement; therefore, a portion of backfill imported on these properties are also included in this appendix. As such, load reports are identified based on material type and licensed quarry facility (**Table 1**):

Table 1. Imported Licensed Quarry Material and DGA for HCC Site 107

Material Type	Licensed Quarry	Dates	Loads	Volume
Licensed Quarry Material	Tilcon, Broad Street, Pompton Lakes, New Jersey (Pompton Lakes)	July 24, 2018 – September 20, 2019; March 8, 2021 – March 10, 2021	2560	66,124.73 tons
Licensed Quarry Material	Tilcon, 625 Mount Hope Road, Wharton, New Jersey (Mount Hope)	July 24, 2018 – September 20, 2019	951	24,459.74 tons
DGA	Tilcon, Broad Street, Pompton Lakes, New Jersey (Pompton Lakes)	August 21, 2018 – October 4, 2019; March 9, 2021 – March 10, 2021	774	20,010.51 tons
DGA	Tilcon, 625 Mount Hope Road, Wharton, New Jersey (Mount Hope)	August 22, 2018 – October 3, 2019	109	2,789.37 tons

The licensed quarry material and DGA placed was certified by Tilcon, the licensed quarry (certification included in this Appendix), as from a virgin source. Per the 2015 Fill Material Guidance for SRP Sites (NJDEP, 2015), “Whenever licensed quarry/mine material, certified as such by the quarry/mine operator, is delivered to a property undergoing remediation, the investigator may rely on the certification for the purpose of issuing a remedial action outcome (RAO) without sampling the delivered licensed quarry/mine material.”

Additionally, portions of the backfill was amended with FerroBlack®-H (refer to Figure 4). The placement of FerroBlack®-H serves as a phase of groundwater remediation as documented in the Discharge to Groundwater Authorization - FerroBlack®-H Approval and Amendments (refer to Appendix A-10).