

Case Name: G000005480
 PI #: G000005480

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AOC ID	AOC Type	AOC Description	Confirmed Contamination	AOC Status	Status Date	Incident #	DEP AOC Number	Contaminated Media	Contaminants of Concern	Additional Contaminants of Concern	Additional Contaminants of Concern	Applicable Remediation Standard	Exposure Route	Additional Exposure Route	RA Type	Additional RA Type	Additional RA Type	Was an Order of Magnitude Evaluation Conducted?	Activity
HSS-1A	Environmental media - Media Soil, including soil vapor pore spaces	Chromate Chemical Production Waste (CCPW)-impacted material likely used as fill	Yes	RAR	10/7/2019			Soil	Metals			AOC Specific ARS and Remediation Standards	Ingestion/Dermal	Inhalation	Excavation				<p>This AOC covers Halladay Street South (HSS) Grid Columns 20A through 41A excluding Grid P41A where remediation was completed in 2015. Hexavalent chromium (Cr+6) and chromate chemical production waste (CCPW) metals (antimony, chromium, nickel, thallium, and vanadium) are the primary constituents of concern (COCs) in the area. Remedial investigation of HSS and adjacent properties was documented in the 2012 Remedial Investigation Report (RIR). Delineation is complete for Cr+6 and CCPW metals.</p> <p>For the Garfield Avenue (GA) Group Sites (including HSS), the New Jersey Department of Environmental Protection (NJDEP) has approved an Alternative Remedial Standard (ARS) for vanadium (V) of 390 milligram per kilogram (mg/kg) for use in place of the Residential Direct Contact Soil Remediation Standard (RDCSRS).</p> <p>The April 2012 Draft Remedial Action Work Plan (RAWP) (Soil), Revision 2, for the GA Group, presented the plan for excavation and disposal of accessible source material and impacted soil in accordance with the Chromium Policy as the selected remedial action. The Draft RAWP was conditionally approved by the NJDEP. The Final RAWP (Soil) Rev. 4 was submitted in September 2018 and approved by NJDEP on November 9, 2018. Within this AOC, target excavation elevations for the removal of CCPW and COCs in soil were presented in memoranda from PPG to NJDEP between August 2013 and October 2015.</p> <p>The excavation of chromium-impacted soil in AOC HSS-1A began in May 2015 and was completed in October 2015. Clean fill for a majority of the site was amended with FerroBlack-H. Restoration of the remediated portion of HSS was completed in January 2018.</p>
HSS-1B	Environmental media - Media Soil, including soil vapor pore spaces	CCPW-impacted material likely used as fill	Yes	RAW	10/7/2019			Soil	Metals			AOC Specific ARS and Remediation Standards	Ingestion/Dermal	Inhalation	Excavation				<p>This AOC covers HSS Grid Columns 42A through 47A and Grid P41A where remediation could not be conducted in 2015 due to access concerns. Hexavalent chromium and CCPW metals are the primary COCs in the area. Remedial investigation of HSS and adjacent properties was documented in the 2012 RIR. Delineation is complete for hexavalent chromium Cr+6 and CCPW metals.</p> <p>The vanadium ARS also applies in AOC HSS-1B.</p> <p>The April 2012 Draft RAWP (Soil), Revision 2, for the GA Group, presented the plan for excavation and disposal of accessible source material and impacted soil in accordance with the Chromium Policy as the selected remedial action. The Draft RAWP was conditionally approved by the NJDEP. The Final RAWP (Soil) Rev. 4 was submitted in September 2018 and approved by NJDEP on November 9, 2018. Within this AOC, target excavation elevations for the removal of CCPW and COCs in soil were presented in memoranda from PPG to NJDEP between August 2013 and April 2015.</p> <p>Due to access concerns, the grids in this AOC (located adjacent to Ten West Apparel) will be excavated and backfilled with the Phase 3B South remediation activities anticipated to begin in Fall 2020.</p>
AOC HSS-2A	Environmental media - Media Soil, including soil vapor pore spaces	Soil impacted from Manufactured Gas Plant (MGP)-constituents emanating from Site 114	Yes	RAR	10/7/2019			Soil	VO + PAHs			Remediation Standards	Ingestion/Dermal	Inhalation	Excavation	Capping	Institutional Control		<p>This AOC covers HSS Grid Columns 20A through 41A excluding Grid P41A. Manufactured Gas Plant (MGP)-related constituents including benzene, ethylbenzene, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, dibenzo(a,h)anthracene, indeno(1,2,3-c,d)pyrene, naphthalene, and 2-methylnaphthalene have been determined to be emanating from Site 114 onto the northern portion of Halladay Street South. Remediation of these compounds (where it has been determined that they are emanating from Site 114) are being addressed under the Administrative Consent Order (ACO) and Judicial Consent Order (JCO).</p> <p>The excavation of chromium-impacted soil between April 2015 and July 2016 removed benzene, ethylbenzene, benzo(a)anthracene, benzo(b)fluoranthene, indeno(1,2,3-c,d)pyrene, and 2-methylnaphthalene at concentrations greater than the Soil Remediation Standards (SRS). Naphthalene remains in place at concentrations greater than the SRS and is being addressed via a clean fill cap of dense-graded aggregate greater than or equal to two feet and an institutional control (notice in lieu of deed notice). Benzo(a)pyrene and dibenzo(a,h)anthracene remain in place at the southern end of the site. It has been determined that these exceedances are associated with historic fill and not MGP operations and do not fall under the purview of the ACO and JCO.</p>