Activity #:	RPC000051, RPC00001, PFR0000001																		
ase Inventory Doc	ment Version 1.5.1 02/04/21		I	1	I			1	-	1		,							
AOC ID	АОС Туре	AOC Description	Confirmed Contamination	Exclude AOC from Billing	AOC Status Achieved	Achieved	Incident Communication Center #s Managed in Case	NJDEP ID	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	Was an Order o Magnitude Evaluation Conducted?	
Garfield Avenue Group- Ground Water	Environmental media - Media Ground water	Site wide groundwater impacted by Chromate Chemical Production Waste (CCPW) metals including Chromium and other contaminations of concern (COCs) or or emanating from Site 114 associated with historical operations at Site 114	Yes		RI	03/24/2021			Ground Water	Metals	VO	Other	Remediation Standards	Ground Water		Bioremediati on	Chemical Reduction	No	Total chromium (Cr) is the primary COC in the area. Other COCs reported at concentrations off of Site 114 across Garfield Avenue, Carteret Avenue, Halladay Street, Pacific Avenue, ar Remedial Investigation of groundwater is documented in the 2021 Draft Groundwater Remediate in the shallow, intermediate, and deep water-bearing zones. Additional delineation Between 2010 and 2020, chromium-impacted soil was excavated from HCC Sites 114, 132, Corporation property), and adjacent roadways (Carteret Avenue, Halladay Street, Pacific Averestoration activities, groundwater engineering controls were installed and/or maintained, inc Two in-situ treatment technologies, including a bioprecipitation approach and an abiotic cher reducing the concentration of Cr and Cr ⁺⁶ in groundwater in the study areas. To expedite the treatment of groundwater associated with the portion of the GA Group Sites Discharge to Groundwater Permit-By-Rule Authorization Request. The Phase I IRM focused and intermediate zones has been completed and where elevated Cr ⁺⁶ is present in the grour 2019 Discharge to Groundwater Permit-By-Rule Request. The Phase II focuses on the interr treat Cr-contaminated groundwater in the shallow, intermediate, and deep water-bearing zor of demonstrated active remediation technologies including in situ anaerobic bioprecipitation in the shallow intermediate, and a request for a Historic Fill virtual CEA was submitted with the groundwater contamination related to 114. A revised CEA and a request for a Historic Fill virtual CEA was submitted with the groundwater contamination related to 114. A revised CEA and a request for a Historic Fill virtual CEA was submitted with the groundwater contamination related to 114.

Activity

ions exceeding the NJDEP GWQS include CCPW metals, other TAL metals, VOCs and SVOCs. Concentrations of Cr and CCPW metals greater than the GWQS extend e, and Forrest Street. This AOC includes both on-site and off-site impacts.

emedial Investigation Report (GW-077). Delineation of CCPW metals, which includes Cr, and other constituents identified to be on or emanating from Site 114 is ation of Cr in the bedrock water bearing zone is necessary in the southwest quadrant of Site 114.

132, 133 East, 135, 137 North, 143, and 186, from adjacent properties (AI Smith Moving & Furniture Company, Forrest Street Properties, and the former Halsted Avenue, Garfield Avenue, and Forrest Street). Excavated material was disposed of at licensed, off-site locations in accordance with applicable regulations. During , including a capillary break, amended backfill, competent meadow mat, and sheet pile.

chemical reduction process, were pilot tested at Site 114. Performance monitoring of these pilot tests have been completed, and both technologies were effective in

Sites that is impacted with Cr and Cr⁺⁶, a phased groundwater Interim Remedial Measure (IRM) approach was developed. Phase I has been implemented per the 2017 Ised primarily on the intermediate and upper portion of the deep water-bearing zones in the southwest quadrant of Site 114 in areas where source removal in the shallow proundwater. The Phase I IRM also included a small Cr-impacted area in the shallow water-bearing zone. Phase II was initiated in October 2020 in accordance with the intermediate and deep water bearing zones in the northwest and southeast quadrant of Site 114. The third phase of the groundwater IRMs (Phase III) is being planned to g zones in areas that are not targeted by the Phase I and II IRMs. Phase III IRM operations are expected to begin in September 2021. The three IRMs use a combination tion (ISAB) and in situ chemical reduction (ISCR) to achieve the remediation objectives.

d to historical operations at Site 114. A separate CEA was implemented by PSEG for this area that covers the former MGP located on the northeastern portion of Site groundwater RIR in March 2021.