Case Inventory Document

I. Area(s) of Concern, Receptor and Emergency Response Tracking	***Impacted Media***	***Contaminants of Concern***	***Exposure Route***	***Receptors***		***Current Status/Outcome***
				Existing	***Potential***	
AOC-1: Former Morris Canal [Block 1948 Lots 40, 25B, 26, 28, 29, 31, 32, 33, 34, 35, 36A, 4B, 25C, 41A, 42A, 24A, 21D and Block 2040 Lots J1, H, K, APL, E1/G1]	Soil and groundwater	**Soil** - CCPW metals (Sb,Ni, Tl, Vn, total and hexavalent chromium) **Groundwater** - Total & Hexavalent Chromium, PCE, dieldrin, TAL metals (Al, As, Fe, Pb, Na)	Soil and groundwater	None	None	**Soil** - May 2011 - Remedial Investigations delineated soil concentrations exceeding the 2008 NJDEP RDCSRS and/or NRDCSRS for the following Chromate Chemical Production Waste (CCPW) with their respective highest concentrations: Hex. chromium - 5,400ppm; total chromium - 383ppm; antimony - 0.814Jppm; nickel - 841ppm; thallium - 0.355Jppm; vanadium - 383ppm. Soil impacts of CCPW related contaminants have been horizontally and vertically delineated. Metals associated with Historic Fill have been horizontally and vertically delineated. **Groundwater** - Existing permanent monitoring wells MW-3-1, MW-3-2, MW-4-1, MW-5-1, MW-5-2, MW-6-1, MW-7-1, MW-7-2, MW-8-1, MW-9-1, MW-10-1, MW-12-1 were sampled in May and/or June 2011. Results identified groundwater concentrations exceeding the NJDEP GWQC for the following COC with their respective highest concentrations: Hex. chromium - 14,500ppb (June MW-5-2) ; total chromium - 15,100ppb (June MW-5-2); dieldrin-0.035ppb (June MW-8-1). Completion of the delineation is proposed to be conducted upon removal of the source chromium soils.
AOC-2: Chromium Site 121 [Block 1948 Lots 36A, 35, 34, 33]	Soil and groundwater	**Soil** - CCPW metals (Sb,Ni, Tl, Vn, total and hexavalent chromium) **Groundwater** - CCPW metals (Sb, Ni, Tl, Vn, total and hexavalent chromium)	Soil and groundwater	None	None	**Soil** - May 2011 - Remedial Investigations identified soil concentrations exceeding the 2008 NJDEP RDCSRS and/or NRDCSRS for the following CCPW contaminants with their respective highest concentrations: vanadium - 119ppm. Additional soil sampling is required to delineate the vanadium exceedance at 121-B1_4.5. **Groundwater** - Existing permanent monitoring wells MW-4-1 and MW-6-1 were sampled in May and/or June 2011. Results did not identify groundwater concentrations exceeding the NJDEP GWQC for any CCPW related contaminants.
AOC-3: Chromium Site 207 [Block 1948 Lots 4B, 42A, 41A]	Soil and groundwater	**Soil** - CCPW metals (Sb,Ni, Tl, Vn, total and hexavalent chromium) **Groundwater** - CCPW metals (Sb, Ni, Tl, Vn, total and hexavalent chromium)	Soil and groundwater	None	None	**Soil** - May 2011 - Remedial Investigations delineated soil concentrations exceeding the 2008 NJDEP RDCSRS and/or NRDCSRS for the following CCPW contaminants with their respective highest concentrations: thallium - 8.23ppm; vanadium - 141ppm. Additional soil sampling is required to delineate the thallium exceedance at 207-B4_5.5 and 207-B5_9.5. **Groundwater** - Existing permanent monitoring wells MW-5-1 and MW-5-2 were sampled in May and June 2011. Results identified groundwater concentrations exceeding the NJDEP GWQC for the following COC with their respective highest concentrations: Hex. chromium - 14,500ppb; total chromium - 15,100ppb. Delineation of these gw impacts is proposed to be conducted upon removal of the source chromium soils.