

Table 1: Treatability Studies at HPNS (from Luthy et al 2005)

Development Phase	Time Frame	Project Report
Discovery of the predominant role of coal and coke on strong sorption of PAHs in sediments	1998-1999	ER-1207 In Situ Stabilization of Persistent Organic Contaminants in Marine Sediments
Discovery of low bioavailability of PAHs sorbed on coal and coke in sediments	1999-2000	
Discovery of the predominant role of coal- derived and char particles in the sorption of PCBs in Hunters Point and Milwaukee Harbor sediments	2001-2002	
Demonstration of reduced PCB aqueous availability from Hunters Point sediment treated with AC	2002-2004	
Demonstration of reduced PCB bioaccumulation in clams, polychaetes, and crustaceans from Hunters Point sediment treated with AC	2002-2004	
Demonstration of reduced PCB bioaccumulation and aq. PCB availability with increased AC dose	2003-2004	
Preliminary field test of commercial equipment's ability to mix carbon into sediment	2004	NAVFAC
Field Demonstration of AC mixing, in situ stabilization of PCBs	2005 – 2011	ER-200510 Field Testing of Activated Carbon Mixing and
Follow-on Monitoring and Modeling of Ecosystem Risk	2011 - 2013	ER-1552 Measurement and Modeling of Ecosystem Risk

Luthy et al, 2005. Demonstration Plan for Field Testing of Activated Carbon Mixing and In Situ Stabilization of PCBs in Sediment at HPNS, Parcel F.