

PCB TMDL Steering Committee

MWCOG

January 23, 2006, 1-3 p.m.

Agenda

1. Review of Load Calculations
 - a) What needs to be done, by who, when
2. Selecting a PCB Homolog
3. Status of monitoring
4. When to have a public meeting?
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AMBIENT DATA REQUIREMENTS AND GAPS

PARAMETER	WATER	SEDIMENT	BIOTA	ATMOSPHERE
Freshwater inflows	Yes	n/a	n/a	n/a
Water surface elevation (tidal heights)	Yes	n/a	n/a	n/a
Current velocity	Yes	n/a	n/a	n/a
Precipitation	n/a	n/a	n/a	Yes
Wind velocity	Yes	n/a	n/a	Yes
Temperature	Yes	n/a	n/a	Yes
Salinity	Yes	n/a	n/a	n/a
Total suspended solids (TSS)	Yes	n/a	n/a	n/a
Organic carbon (TOC, POC, DOC, lipid)	Yes	Yes ¹	Yes	n/a
Chlorophyll <i>a</i>	Yes	n/a	n/a	n/a
Algal primary production	Yes ²	n/a	Yes	n/a
PCBs (total, particulate, dissolved, gas phase)	No	Yes	n/a	Yes ³
Grain size	n/a	No ⁴	n/a	n/a
Particle density	n/a	No ⁴	n/a	n/a
Porosity	n/a	No ⁴	n/a	n/a
Bulk density	n/a	No ⁴	n/a	n/a
Sediment oxygen demand (SOD)	n/a	Yes ²	n/a	n/a
Net sediment burial rate	n/a	No	n/a	n/a

LOADING REQUIREMENTS FOR PCB TMDL MODEL
Available Information from Chesapeake Bay Program

SOURCE	FLOW	MASS LOADINGS		
		TSS	Organic Carbon	PCBs
Potomac Fall Line	WSM5	WSM5	WSM5 (tentative)	N
Anacostia NW Branch	WSM5	WSM5	WSM5 (tentative)	N
Anacostia NE Branch	WSM5	WSM5	WSM5 (tentative)	N
Tributaries (WSM5 Loading Points)	WSM5	WSM5	WSM5 (tentative)	N
Point Sources	Data	Data	Data	N
CSOs	Data (Blue Plains only)	Data (Blue Plains only)	Data (Blue Plains only)	N
MS4s	N	N	N	N
Direct NPS Runoff	WSM5	WSM5	WSM5 (tentative)	N
Algal Primary Production	N/A	N/A	CBEMP	N/A
Marsh Areas	N/A	N/A	Data	N/A
Shoreline Bank Erosion	N/A	Data	Data	N/A
Contaminated Sites	N	N	N	N
Atm Wet/Dry Deposition	N/A	N/A	N/A	N
Atm Gas Phase	N/A	N/A	N/A	N