

PCB PMP Workshop Delaware Perspective



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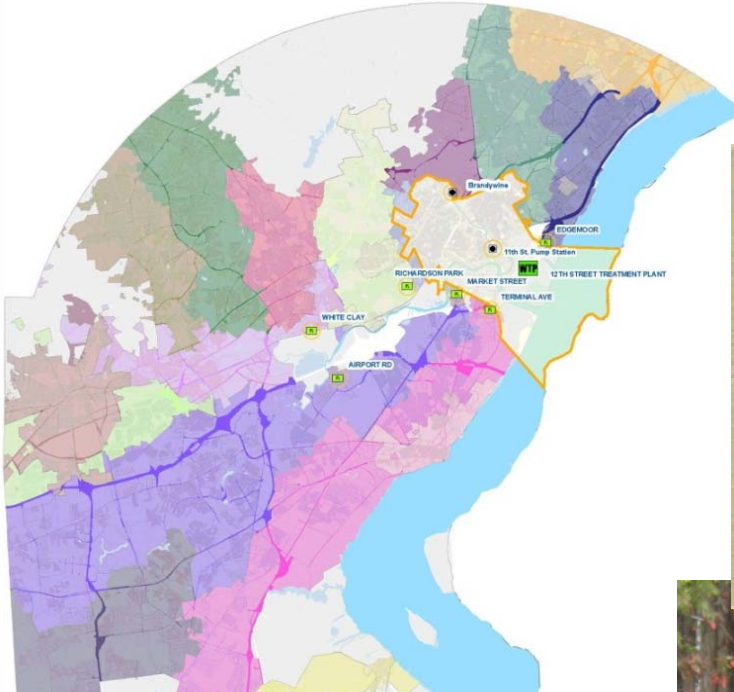
Watershed Assessment Section

Scope of PMP Activities in Delaware



- 15 NPDES point source dischargers & 1 pending MS4 stormwater permit
- 2 will be highlighted here based on size and complexity:
 - *City of Wilmington; and*
 - *AMTRAK Wilmington Yards*

City of Wilm PCB PMP Trackback



Wilm PCB Trackback



- Cooperative effort between City of Wilmington, New Castle County Special Services, several programs in DNREC & DRBC
- Technical Approach:
 - *Delineate major sewersheds;*
 - *Collect 24-hr composite samples at major pump stations, selected pre-treatment discharges and influent/effluent of Wilm WWTP under wet & dry weather;*
 - *Analyze samples for PCB congeners using 1668A; and*
 - *Summarize concentrations & mass loads: compare totals & fingerprints; perform flow and mass balances; prioritize sources & source areas.*
- 3 of 6 surveys completed so far. Important findings emerging (stay tuned...).
- Looking forward: pre-treatment framework being drafted

Amtrak Maintenance & Refueling Yards



Amtrak Maintenance & Refueling Yards



- PMP has resulted in better understanding of PCB levels, loadings, sources & effectiveness of remedial efforts.
- Data & analysis show AMTRAK's PMP is on right track – PCB release to surrounding environment falling. Good.
- However, Amtrak site alone continues to exceed allowable TMDL PCB loading for entire Delaware Estuary Zone 5.
- Mass balance, bioavailability and multiple lines of evidence were used to help focus next steps in remediation.
- RI/FFS process in place to address known sources at site. The actions implemented will become an integral part of AMTRAK's PMP per DRBC PMP Rule.

Take Home Messages



- Delaware strongly supports the PMP approach for PCBs.
- Important to be actively involved and to work together towards a common goal. Cooperation & ongoing re-evaluation are key.
- Meaningful action and progress are good; inaction is bad.
- Consider both point & nonpoint sources. For NPS, build bridges between programs.
- Quantify reductions in PCB inventories & mass loads.
- Avail yourself of technical resources
- Consider innovative technologies
- Networking & periodic workshops are useful

Thank You

