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Anacostia Watershed Trash TMDL

Prepared for:

Anacostia Watershed Management
Committee

December 10, 2009



TMDL Framework

- Use Los Angeles trash TMDL as a model
- Calculate baseline load through monitoring and extrapolation
 - More data, more attributes (e.g., by land use, rainfall intensity) will increase the precision.
 - Baseline may need to be modified as implementation progresses.
- TMDL = removal of 100% of baseline load



Monitoring Data Analysis

- Maryland
 - UMD performed regression analysis on 30 stream monitoring samples to calculate loads
 - Tetrattech calculated loads based on 6 storm drain traps and 2 trash nets
 - WLA Methodology chosen was storm drains, to maintain consistency with DC
- District of Columbia
 - Monitored storm drains based on land use
 - Calculated WLA loads based on these



Methodology

- WLA (Waste Load Allocation, point source)
 - Calculated based on storm drain monitoring samples
 - Consists of smaller items that can reasonably be conveyed through storm drain system (bottles, plastic bags, styrofoam, etc.)
- LA (Load Allocation, non-point source)
 - Calculated based on stream monitoring samples
 - Consists of larger items that cannot reasonably be conveyed through storm drain system (bricks, tires, wood, etc.)



Schedule

- December 18, 2009: Draft TMDL available for MD/DC/EPA review
- January 8-15, 2010: Comment period for larger TMDL Workgroup (Counties, Alice Ferguson Foundation, NRDC, etc...)
- January 25- February 23, 2010: 30-day public comment period
- February 4, 2010: Joint Public meeting (Tentative)

