

Draft Outline for Willamette Toxics Reduction Partnership Final Report

Expected Completion: December 2018

1. Executive Summary
2. Purpose
3. Background
 - a. Portland Harbor ROD
 - b. Geographic scope (i.e. Mainstem Willamette—Sellwood Bridge to Willamette Falls—and tributaries within this reach)
 - c. Portland Harbor contaminants of concern (e.g. PAHs, PCBs, DDD/DDE/DDT, dioxins/furans, metals, etc.)
 - d. Overview of water/sediment quality in focus reaches (e.g. 303d list of impaired waters)
4. Public Collaboration
 - a. Solicitation to public
 - b. Steering committee members
 - c. Dates and general objectives of each public meeting
 - d. EPA website and materials
5. Data Assessment
 - a. Data sources
 - b. Quality assurance and quality control
 - c. Data summaries and visualizations
 - d. Gaps in knowledge
 - i. Upriver reach sediment investigation (i.e. \$100K EPA grant)
 1. Purpose
 2. Methodology and data sources
 3. Identification of potential sources of contamination
 4. Sampling locations
 5. Sampling results
 6. Conclusions and recommendations
6. Existing Efforts to Reduce Toxics
 - a. Regulatory Approach
 - i. Clean Water Act Programs
 1. Water quality standards
 - a. State adoption of more stringent human health criteria in 2011
 - b. Revised to allow Oregonians to safely consume higher amounts of fish from Oregon waterbodies
 2. NPDES permitting

- a. Individual municipal and industrial permits
 - i. Toxics monitoring requirements, developing effluent limits and TMDL wasteload allocations
 - b. Municipal stormwater (MS4) permit
 - i. Toxics monitoring requirements, developing benchmarks, TMDL wasteload allocations, and BMPs
 - ii. Highlight MS4 accomplishments—e.g. City of Portland “Big Pipe” completion (2011): Abatement of combined sewer overflows
 - c. 1200Z industrial stormwater permit
 - i. Toxics monitoring requirements and BMPs
 - d. 1200C construction site runoff permit
 - i. Erosion control
3. TMDL program
 - a. Existing TMDLs for toxics in focus reaches
 - i. Johnson Creek (DDT, dieldrin)
 - b. Future TMDLs for toxics based on 303(d) impairments
 4. Enforcement/Implementation
 5. Recommendations
- ii. Clean Up Program
 1. Site assessments to identify actions under Superfund or state law
 2. Comprehensive upland source control efforts
 3. Enforcement/Implementation
 4. Recommendations
 - iii. Materials Management
 1. Applicable regulations
 2. Enforcement/Implementation
 3. Recommendations
- b. Non-Regulatory Approach to Identify and Reduce Toxic Pollutants
 - i. DEQ Efforts/Programs
 1. Statewide toxics monitoring program
 2. Watershed Pesticide Stewardship Partnerships
e.g. [Clackamas Pesticide Stewardship Program](#)
 3. Statewide toxics reduction and materials management strategies:
e.g. *green chemistry, business initiatives, waste reduction and toxics prevention actions*
 4. Other programs
 - ii. Non-DEQ Efforts/Programs
 1. Existing efforts
 - a. EcoBiz Program—auto repair, landscapers, auto washes
 - b. Others—Clean Rivers Coalition (ACWA), etc.
 2. Identification of other needed efforts

iii. Recommendations

7. Evaluation and Recommendations for Future Efforts

- a. DEQ led
- b. Non-DEQ led

Appendix A: Pollutant Summaries