

Semi-Annual Progress Report

Regional Stormwater Monitoring Program: Effectiveness Study on Capture of PCBs by Bioretention Soil Mix

Send progress report to: Brandi Lubliner
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Instructions: Please fill out the light grey boxes

1. General Information

Contract / Grant Agreement Number:	C1700015
Project Title:	Effectiveness of the Bioretention Soil Mix to Capture and Treat PCB Contaminants
Your Organization:	King County Water and Land Resources Division
Your Project Manager:	Richard Jack
Reporting Period:	August 1, 2016 to June 30, 2017
Date this Form was Completed:	7/27/2017

2. Briefly Describe Task and Milestone Achievements (for current report period only) and check the box associated with each task to verify completion.

Task 1: Planning and Site Preparation

Percent of Task Completed:	100%
Deliverable:	Invoices for equipment, draft and final QAPP
Description of your Achievements:	Purchased and installed pump system, developed screening system to reduce pump clogging, wrote draft and final QAPP

Task 2: Data Acquisition and Compilation

Percent of Task Completed:	5%
Deliverable:	Subcontract laboratory invoices.
Description of your Achievements:	Sampled and shipped 14 soil samples and 18 storm samples. This completed quarters 1 and 2 of the study's sampling efforts.

Task 3: Data compilation, database, and validation

Percent of Task Completed:	0%
Deliverable:	
Description of your Achievements:	

Task 4: Conceptual site model, mass balance, and reporting

Percent of Task Completed:	0%
Deliverable:	
Description of your Achievements:	Equipment was accidentally billed to this task and was moved to task 1.

Task 5: Outreach and communication

Percent of Task Completed:	0%
Deliverable:	
Description of your Achievements:	

3. Tasks/Milestones not achieved and why:

Washington State University and WSDOT negotiations to secure site access and construct the mesocosms took longer than anticipated; this delayed the start of field work from quarter 4 of 2016 to quarter 1 of 2017. Pump construction proceeded as planned but pump clogging in the first few months of operation was an unexpected complication. Clogs and pump maintenance took significantly more time than planned but a new pump screen was designed, constructed and installed to hopefully reduce this burden in the future.

4. Potential Future Challenges to Performance (time delays, staff changes, etc.):

While hopefully reduced from winter of 2017, pump clogging and maintenance is likely to be an ongoing issue. This study was designed to finish at the end of the dry season (October 1), because of the delays in getting access agreements and mesocosms constructed it is likely that only 7 of the total 8 planned sampling events will be completed.

5. General Comments:

6. List the cumulative totals for all "outputs" (numerically measurable accomplishments) under this contract or grant to date:
