

# Deliverable

## 5: Semi-Annual Project Report

### Regional Stormwater Monitoring Program: Effectiveness Studies

Send progress report to: Brandi Lubliner  
 Department of Ecology  
 PO Box 47600  
 Olympia, WA 98504-7600

#### 1. General Information

Contract / Grant Agreement Number:	C1700015
Project Title:	Effectiveness of default bioretention soil mix to reduce PCBs in highway runoff
Your Organization:	King County Water and Land Resources Division
Your Project Manager:	Richard Jack - KC; Brandi Lubliner - Ecology
Reporting Period:	2018 Q1/Q2
Date this Form was Completed:	8/2/2018

#### 2. Briefly Describe Task and Milestone Achievements (for current report period)

##### Task 1: Planning

Percent of Task Completed:	0% this period (100% cumulative)
Deliverable	
Description of your Achievements:	

##### Task 2: Water and Soil Sampling and Analysis

Percent of Task Completed:	20% this period (65% cumulative)
Deliverable	Analytical laboratory receipt for analyzed water and soil samples provided with invoice
Description of your Achievements:	10 maintenance site visits to check tubing conditions and download the flow logger, plus - <b>Soil and Water Sampling:</b> 14 soil samples collected (6 samples per quarter plus 1 replicate per quarter = 14), 9 water samples collected (7 samples in first quarter, plus 2 replicates = 9). WSU was unable to collect a 2nd quarter storm sample. Samples were held for analysis to save shipping costs; samples to be submitted for analysis in fall 2018. <b>Soil and Water Analysis:</b> Analysis complete for the 14 water and 18 soil samples collected in quarters 3 and 4 of 2017.

##### Task 3: Data Completion, database, and validation

Percent of Task Completed:	0% this period (5% cumulative)
Deliverable	None
Description of your Achievements:	No additional samples have been validated yet, results are being held to form a larger batch

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

Percent of Task Completed:	0% this period (0% cumulative)
Deliverable	None
Description of your Achievements:	No activities this period

#### Task 5: Outreach and Communications

Percent of Task Completed:	0% this period (0% cumulative)
Deliverable	None
Description of your Achievements:	No activities this period

#### 3. Tasks/Milestones not achieved and why:

WSU has been responsible for stormwater collections, this project uses split bottles from their composting for analysis. They were unable to collect a 2nd quarter storm sample due to rainfall timing and staffing issues.

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

No new issues. Pump tubing wear and tear, clogging of the inlet and distribution piping, and flow meter performance remain as ongoing maintenance challenges. WSU was unable to collect a 2nd quarter 2018 storm sample. They are going to try to collect two storms in the 3rd quarter but the summer weather may pose an additional challenge.

#### 5. General Comments:

Project is currently on target. Pump and tubing maintenance and cleaning requires ongoing maintenance

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

Cumulatively, the draft and final QAPP were completed, there have been 44 site visits, the stormwater intake, pump manifold and distribution system was designed, installed, and tested. A custom inlet screen to mitigate the debris and clogging of the pump inlet was designed and installed. Extra tubing was installed to allow for irrigation of the plants in the summer season. One blank sample was collected. 42 soil samples have been collected, 45 water samples have been collected. 14 soil and 18 water samples have been analyzed and validated.