

Progress Report Form

Stormwater Action Monitoring Effectiveness Studies

Send progress report to: Brandi Lubliner, SAM Coordinator
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1. General Information

Contract Number:	C1800070
Project Title:	Bioretention Media Blends to Improve Stormwater Treatment, Final Phase of Study to Recommend New Specifications
Your Organization:	King County Water and Land Resources Division
Your Project Manager:	Jenée Colton
Reporting Period:	January 1 to June 28, 2019
Date this Form was Completed:	7/17/2019

2. Task and Milestone Achievements (for current report period only)

Task 1: Project Management

Percent of Task Completed:	75%
Deliverable	D1.1 Semi-Annual Progress Report
Description of your Achievements:	Created invoices (Herrera), reviewed and processed invoices (King County), updated Ecology on project status.

Task 2: Convene Project Partners

Percent of Task Completed:	30%
Deliverable	None
Description of your Achievements:	Scheduled 2nd meeting for July 1 to discuss results of flushing and dosing phases.

Task 3: QAPP

Percent of Task Completed:	100%
Deliverable	Completed D3.1 Draft QAPP and D3.2 Final QAPP
Description of your Achievements:	A 2018 invoice (42993) from Herrera covering work under Task 3 was previously overlooked so it is billed during this current period.

Task 4: Test Media Blends

Percent of Task Completed:	80%
Deliverable	D4.1 Lab results for flushing, dosing and conductivity tests
Description of your Achievements:	Conductivity and flushing tests are complete. Four out of five dosing tests are complete. We are attempting to collect a fifth storm but due to dry season may not be successful.

Task 5: Protect Aquatic Organisms

Percent of Task Completed:	50%
Deliverable	D5.1 Part 1 Daphnia Toxicity Test results
Description of your Achievements:	Daphnid toxicity testing completed for four out of five storms. We are attempting to collect a fifth but due to dry season may not be successful. Zebrafish toxicity tests are ongoing and will be D5.1 Part 2.

Task 6: Reporting

Percent of Task Completed:	25%
Deliverable	None
Description of your Achievements:	QC review of 80% of data and completed statistical analysis on all flushing phase data.

3. Tasks/Milestones not achieved and why:

Last winter, the US government shutdown and adjustments to the selected laboratory methods delayed field collection of stormwater for the dosing phase of study. Additional issues that have arisen and caused small delays have been 1) a significant difference in the toxicity between Day 1 and Day 2 influent (not previously experienced) and 2) the fourth storm event resulted in extremely dirty influent that slowed infiltration and potentially approached saturation. Due to these we were starting the dosing phase, starting toxicity testing and capturing the last storm event of the dosing phase (to complete Task 4). These delays have resulted in late scheduling of the second and third meetings with project partners.

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

Because we are in the dry season currently, we may not be successful in sampling the fifth storm event for the dosing phase. If we cannot collect samples for this storm by October, we may end the dosing phase with four storms instead of five to remain on schedule.

5. General Comments:

We anticipate that we will be able to meet the project end date and provide all deliverables in the scope of work.

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

One project team meeting with the project partners; agenda and meeting summary; one final QAPP; laboratory results of conductivity, flushing and dosing phase testing for 8 treatments; Daphnia toxicity test results for four storm events.