



DEPARTMENT OF
ECOLOGY
State of Washington

AMENDMENT NO. 1

TO

IAA NO. C1900018

BETWEEN THE

STATE OF WASHINGTON DEPARTMENT OF ECOLOGY

AND

KING COUNTY

*PROJECT TITLE: Pilot Study for Non-proprietary Dissolved Metals Treatment:
Oyster Shell Retrofits in Catch Basins*

PURPOSE: To amend the Agreement between the state of Washington, Department of Ecology, hereinafter referred to as “ECOLOGY,” and KING COUNTY, hereinafter referred to as “COUNTY”.

WHEREAS, early results of the oyster shell retrofit effectiveness monitoring (executed under the original Agreement) suggest the retrofits are not providing dissolved metals treatment as anticipated. The project team from ECOLOGY and COUNTY have agreed that the remaining monitoring scoped in the original Agreement is no longer needed and should be discontinued. The results should be reported as described in the original Agreement, but the level of effort will be reduced due to reduced data analysis requirements.

IT IS MUTUALLY AGREED the Agreement is amended as follows:

1) The Period of Performance is amended to read as follows:

The expiration date is moved from April 1, 2022 to March 31, 2021.

2) The tasks in the Scope of Work are amended to read as follows:

The following deliverables are deleted from the Scope of Work:

Task 1.0: Project Management

- D1.6 (Semi-annual Project Report) deleted

- D1.7 (Semi-annual Project Report) deleted

Task 3.0: Field Sampling and Analysis

- D3.4 (Preliminary Flow & Analytical Data) deleted

- D3.5 (Analytical Data) deleted

Task 4.0: Final Report

- D4.1 (First Season Data Validation) deleted

The following deliverables are added to the Scope of Work:

Task 3.0: Field Sampling and Analysis

- D3.6 (Sampling Equipment Tear Down) added and will consist of an email confirmation that the work is complete

The following deliverables are amended from the Scope of Work:

Task 1.0: Project Management

- D1.4 and D1.5 (Semi-annual Progress Report) are amended to consist of a simple email update

3) The Budget is amended to read as follows:

The total compensation is decreased by \$89,616, from \$273,605 to \$183,989. The budget is revised, see attached table.

All other terms and conditions of the original Agreement including any other amendments remain in full force and effect, except as expressly provided by this Amendment.

This Amendment is signed by persons who represent that they have the authority to execute this Amendment and bind their respective organizations to this Amendment.

This Amendment is effective on the signature date of Ecology.

IN WITNESS WHEREOF, the parties below, having read this Amendment in its entirety, including any attachments, do agree in each and every particular as indicated by their below signatures.

**State of Washington
Department of Ecology**

King County

By:

Signature

Date

By:

Signature

Date

Vince McGowan

Josh Baldi

Water Quality Program Manager

Division Director, WLRD, DNRP

Approved as to form only.
Assistant Attorney General

Project Budget and Schedule – Amendment No. 1

Deliverables needing ECOLOGY approval will be submitted as completed. All deliverable costs are included within the cost of each task. Target deliverable costs are estimates and do not represent a maximum allowable limit. Amounts billed above these estimates will not result in an increase in total project cost.

Table 1: Amended Target Deliverable Due Dates and Costs.

Deliverable by Task	Target Deliverable Date	Target Deliverable Cost
Task 1.0 Project Management		
D1.1 Semi-annual Progress Report	January 2019	\$ 6,219
D1.2 Semi-annual Progress Report	July 2019	\$ 3,731
D1.3 Semi-annual Progress Report	January 2020	\$ 3,731
D1.4 Semi-annual Progress Report	July 2020	-\$ 2,488 \$1,320
D1.5 Semi-annual Progress Report	January 2021	-\$ 2,488 \$1,320
D1.6 Semi-annual Progress Report	July 2021	-\$ 2,488
D1.7 Semi-annual Progress Report	January 2022	-\$ 3,731
Task 2.0 Planning		
D2.1 Draft QAPP	September 2018	\$ 17,903
D2.2 Final QAPP	November 2018	\$ 5,060
D2.3 Equipment Purchases	December 2018	\$ 4,180
Task 3.0 Field Sampling and Analysis		
D3.1 Preliminary Flow Data	January 2019	\$ 21,704
D3.2 Preliminary Flow & Analytical Data	July 2019	\$ 36,174
D3.3 Preliminary Flow & Analytical Data	January 2020	\$ 28,939
*D3.6 Sampling Equipment Tear Down	July 2020	\$ 11,000
D3.4 Preliminary Flow & Analytical Data	July 2020	-\$ 36,174
D3.5 Preliminary Analytical Data	September 2020	-\$ 21,704
Task 4.0 Final Report		
D4.1 First Season Data Validation (DV)	November 2019	-\$ 5,943
D4.2 Second Season D4.2 Complete Data Validation & Report Outline	January 2021 April 2020	-\$ 23,771 \$11,360
D4.3 Draft Report	May 2021 July 2020	-\$ 20,800 \$10,098
D4.4 Final Report	August 2021 Sept 2020	-\$ 8,914 \$3,787
Task 5.0 Communication of Findings		
D5.1 Post QAPP to website	December 2018	\$ 524
D5.2 Post Final Report to website	December 2021 Nov 2020	\$ 349
D5.3 Submit data to database	December 2021 Nov 2020	\$ 5,239
D5.4 Copies of presentations	December 2021 Nov 2020	\$ 10,478
D5.5 Draft two-page project summary	December 2021 Nov 2020	\$ 873
Total		-\$ 273,605 \$183,989

*Added deliverable