



DEPARTMENT OF
ECOLOGY
State of Washington

AMENDMENT NO. 1

To

IAA No. C1500045

INTERAGENCY AGREEMENT (IAA)

BETWEEN

THE STATE OF WASHINGTON, DEPARTMENT OF ECOLOGY

AND

UNITED STATES FISH AND WILDLIFE SERVICE

PURPOSE: To amend the Agreement between the state of Washington, Department of Ecology, hereinafter referred to as "ECOLOGY" and UNITED STATES FISH AND WILDLIFE SERVICE, hereinafter referred to as "USFWS," or "CONTRACTOR".

WHEREAS: This Agreement is undergoing an extension of the timeline to allow for completion of the final report and presentation of findings planned under Tasks 3 and 4.

IT IS MUTUALLY AGREED the agreement is amended as follows:

- 1) The project end date is changed from December 31, 2015 to December 31, 2016. The following deliverable dates were extended accordingly.
 - a. Deliverable 3.3 due date was extended to January 30, 2016.
 - b. Deliverable 4.1 due date was extended to June 30, 2016.
 - c. Deliverable 4.2 due date was extended to September 30, 2016.

APPENDIX A Revisions

Deliverable 3.3 = Brief report on chemistry of treated effluent

Cost: \$7,455 Due Date: ~~June 30, 2015~~ January 30, 2016

For each coho exposure, water samples will be taken from each treatment. Analytes to be measured include metals (Cd, Cu, Ni, Pb, Zn, Ag, As, Cr), a suite of conventional water chemistry parameters (including nutrients), bacteria, and a suite of parent and alkylated homologue polycyclic aromatic hydrocarbons (PAHs). Tables excerpted from the final proposal appear at bottom of the Scope of Work. PAH analyses will be performed by the Environmental Chemistry Program at NOAA Fisheries' Northwest Fisheries Science Center. Additional analyses will be performed by AmTest Laboratory (Kirkland, WA). Dissolved oxygen, pH, temperature and conductivity will be measured on-site. Water chemistry measurements for PAHs will follow QA/QC established by NOAA-Fisheries (Sloan et al. 2014).

A brief report will summarize the chemistry findings and this report will be used to construct the final report summarizing the findings of the entire study.

Deliverable 4.1 = Presentation (#1) on study findings

Cost: \$2000 Due Date: ~~June 30, 2015~~ 2016

Results of this project will be presented at a minimum of two public meetings; including the SWG meeting in June 2015 (presentation #1) and at another regional stormwater forum (presentation #2); perhaps like at the 2015 WSU LID Annual Review in Puyallup, WA. The WSU LID Annual Review is widely attended and draws a mixed public, regulatory, and scientific audience.

Deliverable 4.2 = Presentation (#2) and Final, cumulative report

Cost: \$57,642 Due Date: ~~September 30, 2015~~ 2016

The final report will describe the entire study and will include all prior deliverables. Following ECOLOGY's approval, and publication of the data in a peer-reviewed scientific journal, the report will be available on the Washington Stormwater Center's website.