

## **AMENDED AGREEMENT FOR SERVICES**

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This amended agreement is entered into by and between the Puget Sound Clean Air Agency, a municipal corporation of the laws of the State of Washington, (hereinafter referred to as the "Agency"), and the **University of Washington**, Office of Sponsored Programs, 1100 N.E. 45<sup>th</sup> Street, Suite 300, Seattle, WA 98105, (hereinafter referred to as the "Consultant").

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### **WITNESSETH**

**WHEREAS**, the Board of Directors of the Puget Sound Clean Air Agency deems it desirable to amend the original Agreement dated March 21, 2005, for the services of the Consultant to perform for the Agency evaluations and enhancements to new high-resolution optical remote sensing (ORS) ambient air monitoring methods that support Agency operations and the public interest; and

**WHEREAS**, the Consultant represents and warrants that it is available, experienced, and qualified to perform said amended services; and

**NOW, THEREFORE**, the Agency and the Consultant mutually agree as follows;

#### **1. Services**

The following language is added to this section:

The Consultant shall:

1. Develop methods for establishing base lined references to be incorporated into the ORS systems applications.
2. Design, install and implement a gas cell calibration bench for Agency UVDOAS systems.
3. Evaluate and report on potential use of other software application tools that may be used to reduce post processing time and increase reliability in quantification of pollutants.
4. Evaluate Cerex Sentry systems ability to detect and quantify core air toxics listed on the CEREX Sentry Website. (Benzene, Butadiene, Naphthalene, Styrene, Toluene, Xylene, Carbon disulfide, Nitric oxide, Nitrogen dioxide, Ozone, Sulfur Dioxide, Ammonia, Hydrogen sulfide, Phenol, Acetaldehyde, Acrolein, and Formaldehyde).

The term of this amended Agreement is from February 1, 2006 to September 30, 2006.

#### **2. Compensation**

This section is amended as follows:

The Agency shall retain the Consultant for the total amount of this amended Agreement, which shall not exceed \$45,000.

All other terms and conditions of the original Agreement remain in full force and effect.

**IN WITNESS HEREOF**, the Agency and the Consultant have executed this amended Agreement as to the date first above written.

**PUGET SOUND CLEAN  
AIR AGENCY**

**CONSULTANT  
UNIVERSITY OF  
WASHINGTON**

By: Bill Evans  
Bill Evans  
Board of Directors, Chair

By: Michael Yost  
Michael Yost, PhD. Professor

Date: 1/26/06

Date: 1-24-06

Attest:

By: Dennis J. McLerran  
Dennis J. McLerran  
Executive Director

By: Sinh Simmons  
Office of Sponsored Programs  
University of Washington  
SINH SIMMONS  
ASSOCIATE DIRECTOR  
ACTING FOR  
CAROL ZUICHES

Date: 1/24/06

Date: 1/31/06

Approved as to Form:

By: Laurie Halvorson  
Laurie Halvorson  
General Counsel

Date: 1/24/06

Principal Investigator:

Yost, Michael G

DETAILED BUDGET FOR INITIAL BUDGET PERIOD DIRECT COSTS ONLY					FROM 1/1/06	THROUGH 12/30/06	
PERSONNEL (Applicant organization only)		TYPE APPT. (months)	% EFFORT ON PROJ	INST. BASE SALARY	DOLLAR AMOUNT REQUESTED (omit cents)		
NAME	ROLE ON PROJECT				SALARY REQUESTED	FRINGE BENEFITS	TOTALS
Michael Yost	Principal Investigator	12	2%	\$115,722	\$2,314	\$537	\$2,851
Angela Carden	Research Scientist	12	14%	\$55,152	\$7,722	\$2,093	\$9,815
		12	0%	\$0	\$0	\$0	\$0
		12	0%	\$0	\$0	\$0	\$0
		12	0%	\$0	\$0	\$0	\$0
		12	0%	\$0	\$0	\$0	\$0
		12	0%	\$0	\$0	\$0	\$0
		12	0%	\$0	\$0	\$0	\$0
		12	0%	\$0	\$0	\$0	\$0
SUBTOTALS----					\$10,036	\$2,630	\$12,666
CONSULTANT COSTS							\$0
EQUIPMENT (Itemize) Equipment (list)							\$0
SUPPLIES (Itemize by category) Std. Gases -- NOX and SO2 \$650 Sampling supplies \$335 \$0							\$985
TRAVEL \$0							\$0
PATIENT CARE COSTS INPATIENT OUTPATIENT							\$0
ALTERATIONS AND RENOVATIONS (Itemize by category)							\$0
OTHER EXPENSES (Itemize by category) Graduate Operation Fee -- one quarter \$0 ( 100 sq ft @ \$14/sq. ft.) \$2,800 Analysis (ORS lab) \$0 Long distance charges \$0 \$0 Sample shipping&storage \$0							\$2,800
SUBTOTAL DIRECT COSTS FOR INITIAL BUDGET PERIOD							\$16,451
CONSORTIUM/CONTRACTUAL COSTS		DIRECT COSTS		\$0			\$0
		INDIRECT COSTS		\$0			\$0
TOTAL DIRECT COSTS FOR INITIAL BUDGET PERIOD (Item 7a, Face Page)							\$16,451

Indirect Cost 26.0%  
Total

\$13,651 MTDC

\$3,549  
\$20,000