

**SECOND AMENDMENT TO AGREEMENT BETWEEN ALACHUA COUNTY AND
ADVANCED ENVIRONMENTAL LABORATORIES 2D AMENDMENT, RFP 20-96
NO. 11405**

THIS Second AMENDMENT (“Amendment”) is made by and between Alachua County, Florida, a political subdivision and charter county of the State of Florida, by and through its Board of County Commissioners (the “County”) and ADVANCED ENVIRONMENTAL LABS INC, a Florida for Profit Corporation which is authorized to do business in the State of Florida (“Contractor”), who are collectively referred to as the “Parties”.

WITNESSETH:

WHEREAS, the Parties previously entered into a Contractual Services Agreement dated October 8, 2019 for Laboratory Services, identified by No. 11405 (the “Agreement”); and

WHEREAS, the Parties previously entered into the First Amendment to the Agreement dated September 30, 2021, (the “First Amendment”) and

WHEREAS, the County has elected its option to renew the term of the original Agreement to allow the Contractor to furnish the goods or service to Alachua County; and

WHEREAS, the Parties desires to amend the Agreement to extend the term and to do as otherwise provided herein.

NOW, THEREFORE, the County and Contractor agree to amend the Agreement as follows:

- A. Amendment. Section #1, of the Agreement titled “Term” is amended to read as follows:

The County has elected to exercise its first option to renew the Term of the Agreement. Accordingly, this amendment shall take effect upon expiration of the original agreement and continues through September 30, 2025 (the “Second Renewal Term”) unless earlier terminated as provided herein.

The County's performance and obligation to pay under this Agreement is contingent upon a specific annual appropriation by the Alachua County Board of County Commissioners ("Board"). The Parties hereto understand that this Agreement is not a commitment of future appropriations. Therefore, the continuation of this Agreement beyond the end of any fiscal year shall be subject to both the appropriation and the availability of funds in accordance with Chapter 129, Florida Statutes, and that the failure of the; Board to do so shall not constitute a breach or default of this Agreement.

- B. Amendment. Section #4, of the Agreement titled “Method of Payment”, Sub-Section 4.1 is amended to read as follows:

4.1. The Contractor shall be paid a sum not to exceed \$150,000 annually, for the term of the Agreement.

C. Amendment. Sub-Section 5.2 of the Agreement, is hereby amended and replaced in its entirety to read:

5.2 The current required Alachua County Government Minimum Wage is \$16.00 per hour when health Benefits are provided at the equivalent value of \$2.00 per hour and \$18.00 when health benefits are not provided (collectively, the "Minimum Wage").

D. Amendment. Exhibit 2 of the Agreement titled “Rate Schedule” is deleted in its entirety and replaced with an updated Exhibit 2, attached to this Amendment

E. Effective Date. Upon and after full execution of this Amendment by the Parties, this Amendment shall be effective on October 1, 2023.

F. Original Agreement. Unless expressly amended herein, all other terms and provisions of the original Agreement between the Parties, including any prior amendments to the Agreement, shall be and remain in full force and effect. In the event any of the prior amendments to the Agreement conflict with this Amendment, the provisions of this Amendment shall prevail.

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IN WITNESS WHEREOF, the Parties have caused this Amendment to be executed on the day and year below written.

ALACHUA COUNTY, FLORIDA

By: _____

Anna Prizzia, Chair

Board of County Commissioners

Date: _____

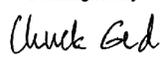
ATTEST

APPROVED AS TO FORM

J.K. "Jess" Irby, Esq., Clerk
(SEAL)

Alachua County Attorney's Office

CONTRACTOR

DocuSigned by:

By: 717927DF4AEF41C...
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Print: _____

Title: President Advanced Environmental Labs

Date: 6/23/2023

Date: _____

IF THE CONTRACTOR IS NOT A NATURAL PERSON, PLEASE PROVIDE A CERTIFICATE OF INCUMBENCY AND AUTHORITY, OR A CORPORATE RESOLUTION, LISTING THOSE AUTHORIZED TO EXECUTE AGREEMENTS ON BEHALF OF YOUR ORGANIZATION. IF ARE A NATURAL PERSON, THEN YOUR SIGNATURE MUST BE NOTARIZED.

EXHIBIT 2: RATE SCHEDULE

EXHIBIT 2: Rate Schedule

Group	Analyte	Water Matrix			
		Method	Unit Price	Alternative Method	Alternative Unit Price
General Analytes	Ammonia Nitrogen	EPA 350.1	12		
	BOD (5 Day)	SM 5210B	25		
	CBOD (5 Day)	SM 5210B	25		
	Bromide	EPA 300.0		EPA 300.1	25
	Chloride	EPA 300.0	10		
	Chlorophyll-a (corrected)	SM 10200H	25		
	Chlorophyll-a (uncorrected)	SM 10200H	25		
	Chlorophyll-a-b-c	SM 10200H	25		
	Chlorophyll-b	SM 10200H	25		
	Chlorophyll-c	SM 10200H	25		
	COD	EPA 410.4	25		
	Color	EPA 110.2		EPA 2120B	15
	Corrosivity (Langelier Index)	SM 2330	35		
	Cyanide	EPA 335.2	42		
	Fluoride	EPA 340.2	10		
	Hardness	SM 2340 B	25		
	Nitrate	EPA 353.2	10	SM 4500	10
	Nitrite	EPA 354.1/300.0	15	SM 4500	15
	Nitrate plus Nitrite	EPA 353.2	10	SM 4500	10
	Oil and Grease	EPA 413.1		SM 1664A	50
	Organic Nitrogen	EPA 351.2/350.1	15		
	Soluble Reactive Phosphate	EPA 365.2	10	SM 4500 P-E	10
	pH (Lab)	EPA 150.1	15		
	Pheophytin-a	SM 10200H	25		
	Silica	EPA 370.1	15	EPA 6010	15
	Specific conductance (Lab)	EPA 120.1	15		
	Sulfate	EPA 300.0	10		
	Sulfide	EPA 376.1	50		
	Bicarbonate Alkalinity	SM 2320B	5		
	Total Alkalinity	SM 2320B	5		
Total Dissolved (filterable) Solids (TDS)	EPA 160.1	15			
Total Kjeldahl Nitrogen (TKN)	EPA 351.2	16.5			

Total Nitrogen	SM 4500-N C	0	Calculation	0
Total Organic Carbon (TOC)	SM 5310B	30		
Total Phosphorus	EPA 365.2	13		
Total Suspended Solids (TSS)	EPA 160.2	7		
Total Volatile Solids (TVS)	EPA 160.4	35		
Turbidity	EPA 180.0	15		

Microbiology	Bacteria Species Identification	SM 9250/9260	3500		
	Fecal Streptococcus and/or Enterococcus group (membrane filter)	EPA 1600	75		
	Fecal Coliform (membrane filter)	SM 9222D	35		
	E. coli (membrane filter) After 2 pm	EPA 1603	75		
	E. coli (membrane filter) Before 2 pm	EPA 1603	50		
	E. coli (Quantitray) Anytime before 4 pm	Colilert/Quantitray	35	Not available until Fall 2020	
Metals	Aluminum	EPA 200.7/200.8	10		
	Antimony	EPA 200.7	10		
	Arsenic	EPA 200.7	10		
	Barium	EPA 200.7	10		
	Beryllium	EPA 200.7	10		
	Boron	EPA 200.7	7		
	Cadmium	EPA 200.7	10		
	Calcium	EPA 200.7	7		
	Chromium (+6)	EPA 7196	50		
	Chromium (total)	EPA 200.7	10		
	Cobalt	EPA 200.7	10		
	Copper	EPA 200.7	10		
	ICP Scan	EPA 200.7	250		
	Iron	EPA 200.7	7		
	Lead	EPA 200.7	10		
	Magnesium	EPA 200.7	7		
	Manganese	EPA 200.7	10		
	Mercury	EPA 200.8		SM 7470	25
	Molybdenum	EPA 200.7	10		
	Nickel	EPA 200.7	10		
	Potassium	EPA 200.7	7		
RCRA Metals (8)	EPA 6010 and 7471A	95			
Selenium	EPA 200.7	10			
Silver	EPA 200.7	10			

Sodium	EPA 200.7	7		
Strontium	EPA 200.7	10		
Thallium	EPA 200.7	10		
Tin	EPA 200.7	10		
Titanium	EPA 200.7	10		
Vanadium	EPA 200.7	10		
Zinc	EPA 200.7	10		

Organics	Chlorinated Pesticides/PCBs	EPA 8081 / 8082	150		
	Dioxins and Furans (full list)	EPA 1613B	675		
	Dioxins and Furans (TCDD/TCDF only)	EPA 1613B	425		
	EDB	EPA 504.1	40	8260 sim	40
	Glyphosate (Drinking Water)	EPA 547	100		
	Glyphosate	EPA 8321		547	100
	Chlorinated Herbicides	EPA 8151	125		
	Priority Pollutant Semi-volatile Organic Compounds (SVOCs)	EPA 625 or 8270	200		
	Identification of Non-priority Pollutant Organics with GC/MS > 10 PPB	EPA 625 or 8270	50		
	Nitrogen Phosphorus Pesticides	EPA 8141	125		
	Polynuclear Aromatic Hydrocarbons (PAHs)	EPA 8270 or 8310	85		
	Priority Pollutant Volatile Organic Compounds (VOCs)	EPA 624 or 8260	90		
	Total Recoverable Petroleum Hydrocarbons (TRPH)	FL-PRO	75		
	VOCs, with Acetone and Methyl ethyl ketone	EPA 8260	90		
	SPLP (price per one extraction)	EPA 1312	50		
	TCLP (price per one extraction)	EPA 1311	50		
Field Meter Calibration and Sampling	Hach 2100-Q Portable Turbidimeter	Not Applicable	100	Not Applicable	Not Applicable
	Hach Pocket Colorimeter II Chlorine Meter	Not Applicable	100	Not Applicable	Not Applicable
	Hourly field sampling rate for a crew of two persons	Not Applicable	150	Not Applicable	Not Applicable

Group	Analyte	Sediment/Soil Matrix				
		Method	Reporting Limit*	Price	Alternative Method	Alternative Price
General Analytes	Grain Size	ASTM D-422	NA		D6913/ D1140	150
	Bulk Density	Specify method	NA		D2166	150
	Oil and Grease	FL-PRO	7.2 mg/Kg	90		
	Total, Fixed, and Volatile Solids	SM2540G	10 mg/Kg	50		
	Total Kjeldahl Nitrogen (TKN)	EPA 351.2-1993 R2.0	18.75 mg/Kg	25		
	Nitrate-Nitrite (Required for TN)	EPA 353.2	1.25 mg/Kg		4500NO3	25
	Ammonia	EPA 350.1	5.6 mg/Kg	20		
	Total Nitrogen	EPA/CE 3-201, 183	20 mg/Kg		351.2/ 4500NO3	50
	Orthophosphate	EPA 9056	0.949 mg/Kg	25		
	Total Phosphorus	EPA/CE 3-213	11.4 mg/Kg		EPA 365.4	40
	Total Organic Carbon (TOC)	Walkley Black	0.05216 mg/Kg		EPA 9060A	75
	Metal	Aluminum	EPA 6010	0.54	15	
Antimony		EPA 6010	0.12	15		

Arsenic	EPA 6010	0.23	15		
Barium	EPA 6010	0.03	15		
Beryllium	EPA 6010	0.03	15		
Boron	EPA 6010	0.1	15		
Cadmium	EPA 6010	0.04	15		
Calcium	EPA 6010	0.53	15		
Chromium (+6)	EPA 7196	0.01	15		
Chromium (total)	EPA 6010	0.06	15		
Cobalt	EPA 6010	0.02	15		
Copper	EPA 6010	0.06	15		
ICP Scan	EPA 6010	Varies	275		
Iron	EPA 6010	1.6	15		
Lead	EPA 6010	0.06	15		
Magnesium	EPA 6010	0.06	15		
Manganese	EPA 6010	0.1	15		
Mercury	EPA 6020 or 7471	0.00072	30		
Molybdenum	EPA 6010	0.08	15		
Nickel	EPA 6010	0.05	15		
Potassium	EPA 6010	0.57	15		
RCRA Metals (8)	EPA 6010B and 7471A	Varies	125		
Selenium	EPA 6010	0.19	15		
Silver	EPA 6010	0.03	15		
Sodium	EPA 6010	1.53	15		
Strontium	EPA 6010	0.04	15		
Thallium	EPA 6010	0.13	15		
Tin	EPA 6010	0.11	15		
Titanium	EPA 6010	0.005	15		
Vanadium	EPA 6010	0.009	15		
Zinc	EPA 6010	0.19	15		

	Recal coliform	SM9222D	1	50		
Organics	Chlorinated Pesticides/PCBs	EPA 8081/8082	Various	150		
	Dioxins and Furans (full list)	EPA 1613B	Various	750		
	Total Volatile Solids (TVS)	SM 2540G	10 mg/Kg	35		
	Glyphosate	EPA 8321	NA		547	100
	Dioxins and Furans (TCDD/TCDF only)	EPA 1613B	1pg/g each	350		
	Chlorinated Herbicides	EPA 8151	Various	150		

Priority Pollutant Semi-volatile Organic Compounds (SVOCs)	EPA 625 or 8270	Various	275		
Identification of Non- priority Pollutant Organics with GC/MS > 10 PPB	EPA 625 or 8270	NA	50		
Organophosphorus Compounds	EPA 8141	Various	150		
Polynuclear Aromatic Hydrocarbons (PAHs)	EPA 8270 or 8310	Various	125		
Priority Pollutant Volatile Organic Compounds (VOCs)	EPA 624 or 8260	Various	125		
Total Recoverable Petroleum Hydrocarbons (TRPH)	FL-PRO	7.2 mg/Kg	90		
VOCs, with Acetone and Methyllethyl ketone	EPA 8260	Various	125		

ACEPD Annual Projected Ambient Monitoring Laboratory Expenses

Laboratory Parameter	Unit Price	OCB		Lakes		SRB (Quantity)		Hot Spots		Groundwater		Wastewater	
		Sites	Costs	Sites	Costs	Sites	Costs	Sites	Costs	Sites	Costs	Sites	Costs
Total Organic Carbon	\$ 15	19	\$ 285	2	\$ 30	7	\$ 105	0	\$ -	14	\$ 420	0	\$ -
Ammonia Nitrogen	\$ 12	19	\$ 228	2	\$ 24	7	\$ 84	0	\$ -	14	\$ 336	13	\$ 156
Nitrate Nitrogen	\$ 7	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	13	\$ 91
Nitrate plus Nitrite Nitrogen	\$ 7	19	\$ 133	2	\$ 14	7	\$ 49	0	\$ -	14	\$ 196	0	\$ -
TKN (Total Kjeldahl Nitrogen)	\$ 15	19	\$ 285	2	\$ 30	7	\$ 105	0	\$ -	14	\$ 420	13	\$ 195
Total Nitrogen (calculation)	\$ 0	19	\$ 0	2	\$ 0	7	\$ 0	0	\$ -	14	\$ 0	0	\$ -
Soluble Reactive Phosphorus	\$ 7	19	\$ 133	2	\$ 14	7	\$ 49	0	\$ -	0	\$ -	0	\$ -
Total Phosphorus	\$ 13	19	\$ 247	2	\$ 26	7	\$ 91	0	\$ -	14	\$ 364	13	\$ 169
Chlorophyll a - corrected	\$ 20	19	\$ 380	2	\$ 40	7	\$ 140	0	\$ -	0	\$ -	0	\$ -
E. Coli	\$ 100	19	\$ 1,900	2	\$ 200	8	\$ 800	18	\$ 1,800	0	\$ -	0	\$ -
Total Suspended Solids (TSS)	\$ 7	19	\$ 133	2	\$ 14	7	\$ 49	0	\$ -	0	\$ -	0	\$ -
Total Dissolved Solids (TDS)	\$ 7	19	\$ 133	2	\$ 14	7	\$ 49	0	\$ -	14	\$ 196	0	\$ -
Chloride	\$ 7	19	\$ 133	2	\$ 14	7	\$ 49	0	\$ -	14	\$ 196	0	\$ -
Sulfate	\$ 7	19	\$ 133	2	\$ 14	7	\$ 49	0	\$ -	14	\$ 196	0	\$ -
Total Alkalinity	\$ 5	19	\$ 95	2	\$ 10	7	\$ 35	0	\$ -	14	\$ 140	0	\$ -
Bicarbonate Alkalinity	\$ 5	0	\$ -	0	\$ -	0	\$ -	0	\$ -	14	\$ -	0	\$ -
Potassium	\$ 4	19	\$ 76	2	\$ 8	7	\$ 28	0	\$ -	14	\$ 112	0	\$ -
Hardness	\$ 2	19	\$ 38	2	\$ 4	7	\$ 14	0	\$ -	14	\$ 56	0	\$ -
Calcium	\$ 4	19	\$ 76	2	\$ 8	7	\$ 28	0	\$ -	14	\$ 112	0	\$ -
Magnesium	\$ 4	19	\$ 76	2	\$ 8	7	\$ 28	0	\$ -	14	\$ 112	0	\$ -
Sodium	\$ 4	19	\$ 76	2	\$ 8	7	\$ 28	0	\$ -	14	\$ 112	0	\$ -
Iron	\$ 4	19	\$ 76	2	\$ 8	7	\$ 28	0	\$ -	14	\$ 112	0	\$ -
Fluoride	\$ 7	0	\$ -	0	\$ -	0	\$ -	0	\$ -	14	\$ -	0	\$ -
Boron	\$ 4	0	\$ -	0	\$ -	0	\$ -	0	\$ -	14	\$ -	0	\$ -
Subtotal (four quarters)			\$ 18,544		\$ 976		\$ 7,232		\$ 7,200		\$ 6,160		\$ 2,556
Total	\$ 42,668												