



Water Quality Sampling and Laboratory Testing

ITB-021-2018

Opened September 6, 2018 @ 11:15 AM

Advanced Environmental Laboratories, Inc.

4965 SW 41st Blvd.

Gainesville, FL 32608

352 377 2349

Flowers Chemical Laboratories Inc

PO Box 150597

Altamonte Springs, FL 32715

ITEM I:

WASTEWATER TREATMENT PLANT (DEP PERMIT)

A. DIGESTED SLUDGE:

- 1. Complete set
- 2. % Solids before dewatering

B. PLANT INFLUENT/EFFLUENT:

- 1. Annual Treated Effluent Analysis (Industrial Pretreatment)
- 2. Weekly analysis (St Margarets EFA1)
 - A. CBOD
 - B. TSS
 - C. FECAL
- 3. Semi-Annual (Service Zone EFA-1) Nitrate
- 4. Bi-Weekly Analysis (Sites INF-1 & EFA1)
 - A. CBOD
 - B. TSS
 - C. FECAL
- 5. Public Access Reuse (PAR) Analysis
 - A. CBOD
 - B. TSS
 - C. FECAL
- 6. Monthly Nitrogen Series and Phosphorous

Price per sample test	Estimated Samples	Total
\$397.00	4	\$1,588.00
\$10.00	4	\$40.00
\$525.00	1	\$525.00
\$16.00	52	\$832.00
\$10.00	52	\$520.00
\$12.00	52	\$624.00
\$12.00	1	\$12.00
\$16.00	26	\$416.00
\$10.00	26	\$260.00
\$12.00	26	\$312.00
\$16.00	365	\$5,840.00
\$10.00	365	\$3,650.00
\$12.00	365	\$4,380.00
\$56.00	12	\$672.00

Price per sample test	Estimated Samples	Total
\$175.00	4	\$700.00
\$10.00	4	\$40.00
\$600.00	1	\$600.00
\$20.00	52	\$1,040.00
\$12.00	52	\$624.00
\$20.00	52	\$1,040.00
\$15.00	1	\$15.00
\$20.00	26	\$520.00
\$12.00	26	\$312.00
\$20.00	26	\$520.00
\$20.00	365	\$7,300.00
\$12.00	365	\$4,380.00
\$20.00	365	\$7,300.00
\$60.00	12	\$720.00

Page 2 ITB-021-2018 Water Quality Sampling and Laboratory Testing

7. Weekly Nitrate plus Nitrite, Total Nitrogen and Phosphorous

\$46.00	52	\$2,392.00
---------	----	------------

\$50.00	52	\$2,600.00
---------	----	------------

8. Quarterly IPP

\$135.00	4	\$540.00
----------	---	----------

\$145.00	4	\$580.00
----------	---	----------

C. Annual IPP Analysis:

(Influent/Effluent/sludge)

\$676.00	3	\$2,028.00
----------	---	------------

\$725.00	3	\$2,175.00
----------	---	------------

ITEM I TOTAL

\$24,631.00

\$30,466.00

ITEM II: SCHEDULE OF TEST-EFFLUENT SPRAYFIELD (DEP PERMIT)

A. GROUNDWATER MONITORING WELLS & RESERVOIR - EFFLUENT SAMPLING & ANALYSIS:

1. Quarterly (Sprayfield)

Price per sample test	Estimated Samples	Total
\$158.00	40	\$6,320.00

Price per sample test	Estimated Samples	Total
\$175.00	40	\$7,000.00

2. Monthly (Bio-Solid Site)

\$189.00	72	\$13,608.00
----------	----	-------------

\$175.00	72	\$12,600.00
----------	----	-------------

ITEM II TOTAL

\$19,928.00

\$19,600.00

ITEM III: WASTEWATER TREATMENT PLANT (EPA PERMIT)

A. EFFLUENT BY-PASS:

1. Complete set

Price per sample test	Estimated Samples	Total
\$43.00	9	\$387.00

\$78.00	9	\$702.00
---------	---	----------

B. DIGESTED SLUDGE:

1. 125 Priority Pollutants

\$545.00	1	\$545.00
----------	---	----------

\$650.00	1	\$650.00
----------	---	----------

2. Toxicity Characteristic

\$450.00	1	\$450.00
----------	---	----------

\$750.00	1	\$750.00
----------	---	----------

3. Bench Scale Test

\$90.00	12	\$1,080.00
---------	----	------------

\$75.00	12	\$900.00
---------	----	----------

4. Total Solids

\$10.00	12	\$120.00
---------	----	----------

\$15.00	12	\$180.00
---------	----	----------

C. REAGENT WATER:

1. Annual analysis

\$48.00	1	\$48.00
---------	---	---------

\$98.00	1	\$98.00
---------	---	---------

D. BACKGROUND SURFACE WATER:

1. Analysis (quarterly)

\$32.00	4	\$128.00
---------	---	----------

\$45.00	4	\$180.00
---------	---	----------

ITEM III TOTAL

\$2,758.00

\$3,460.00

ITEM IV:
WASTEWATER TREATMENT PLANT (IWPP PERMIT)

A. INDUSTRIAL CUSTOMER:

- 1. Effluent
- 2. Pollutants

Price per sample test	Estimated Samples	Total
\$66.00	2	\$132.00
\$545.00	2	\$1,090.00
ITEM IV TOTAL		\$1,222.00

Price per sample test	Estimated Samples	Total
\$92.00	2	\$184.00
\$650.00	2	\$1,300.00
		\$1,484.00

ITEM V:
KICKLIGHTER RECLAMATION FACILITY (DEP PERMIT)

A. DIGESTED SLUDGE

- 1. Complete Set
- 2. % Solids before dewatering

Price per Sample Test	Estimated Samples	Total
\$397.00	4	\$1,588.00
\$10.00	4	\$40.00
B. PLANT INFLUENT/EFFLUENT:		
\$550.00	1	\$550.00
2. Weekly analysis (Kicklighter Facility EFA-1)		
A. CBOD	52	\$832.00
B. TSS	52	\$520.00
C. FECAL	52	\$624.00
ITEM V TOTAL		\$4,154.00

Price per Sample Test	Estimated Samples	Total
\$175.00	4	\$700.00
\$10.00	4	\$40.00
\$600.00	1	\$600.00
\$20.00	52	\$1,040.00
\$12.00	52	\$624.00
\$20.00	52	\$1,040.00
		\$4,044.00

TOTAL - ITEMS I THRU V:

\$52,693.00

\$59,054.00

Recommendation: Advanced Environmental Laboratories Inc.