



Water Quality Sampling and Laboratory Testing

Awarded by Council on: _____

ITB-019-2015

Opened September 15, 2015 @ 11:15 AM

Flowers Chemical Laboratories
PO Box 150597
Altamonte Springs, FL

Advanced Environmental Laboratories, Inc
4965 SW 41st Blvd
Gainesville, FL 32608

ALS Global
9143 Philips Hwy, Suite 200
Jacksonville, FL 32256

**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 (St. Margaret's EFA-1)
- 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
- 7. Weekly Nitrate plus Nitrite, Total Nitrogen and Phosphorous
- 8. Quarterly IPP

C. Annual IPP Analysis:

(Influent/Effluent/sludge)

	Price per sample test	Estimated Samples	Total
1. Complete set	\$745.00	4	\$2,980.00
2. % Solids before dewatering	\$10.00	4	\$40.00
1. Annual Treated Effluent Analysis (Industrial Pretreatment)	\$600.00	1	\$600.00
2. Weekly analysis (St Margarets EFA1)			
A. CBOD	\$30.00	52	\$1,560.00
B. TSS	\$15.00	52	\$780.00
C. FECAL	\$20.00	52	\$1,040.00
3. Semi-Annual (St. Margaret's EFA-1)	\$15.00	2	\$30.00
4. Bi-Weekly Analysis (Sites INF-1 & EFA1)			
A. CBOD	\$30.00	26	\$780.00
B. TSS	\$15.00	26	\$390.00
C. FECAL	\$20.00	26	\$520.00
5. Public Access Reuse (PAR) Analysis			
A. CBOD	\$30.00	365	\$10,950.00
B. TSS	\$15.00	365	\$5,475.00
C. FECAL	\$20.00	365	\$7,300.00
6. Monthly Nitrogen Series and Phosphorous	\$60.00	12	\$720.00
7. Weekly Nitrate plus Nitrite, Total Nitrogen and Phosphorous	\$50.00	52	\$2,600.00
8. Quarterly IPP	\$145.00	4	\$580.00
(Influent/Effluent/sludge)	\$675.00	3	\$2,025.00

	Price per sample test	Estimated Samples	Total
1. Complete set	\$397.00	4	\$1,588.00
2. % Solids before dewatering	\$10.00	4	\$40.00
1. Annual Treated Effluent Analysis (Industrial Pretreatment)	\$557.00	1	\$557.00
2. Weekly analysis (St Margarets EFA1)			
A. CBOD	\$16.00	52	\$832.00
B. TSS	\$10.00	52	\$520.00
C. FECAL	\$12.00	52	\$624.00
3. Semi-Annual (St. Margaret's EFA-1)	\$12.00	2	\$24.00
4. Bi-Weekly Analysis (Sites INF-1 & EFA1)			
A. CBOD	\$16.00	26	\$416.00
B. TSS	\$10.00	26	\$260.00
C. FECAL	\$12.00	26	\$312.00
5. Public Access Reuse (PAR) Analysis			
A. CBOD	\$16.00	365	\$5,840.00
B. TSS	\$10.00	365	\$3,650.00
C. FECAL	\$12.00	365	\$4,380.00
6. Monthly Nitrogen Series and Phosphorous	\$56.00	12	\$672.00
7. Weekly Nitrate plus Nitrite, Total Nitrogen and Phosphorous	\$46.00	52	\$2,392.00
8. Quarterly IPP	\$146.00	4	\$584.00
(Influent/Effluent/sludge)	\$676.00	3	\$2,028.00

	Price per sample test	Estimated Samples	Total
1. Complete set	\$622.00	4	\$2,488.00
2. % Solids before dewatering	\$10.00	4	\$40.00
1. Annual Treated Effluent Analysis (Industrial Pretreatment)	\$525.00	1	\$525.00
2. Weekly analysis (St Margarets EFA1)			
A. CBOD	\$14.95	52	\$777.40
B. TSS	\$6.95	52	\$361.40
C. FECAL	\$13.00	52	\$676.00
3. Semi-Annual (St. Margaret's EFA-1)	\$8.00	2	\$16.00
4. Bi-Weekly Analysis (Sites INF-1 & EFA1)			
A. CBOD	\$29.90	26	\$777.40
B. TSS	\$13.90	26	\$361.40
C. FECAL	\$26.00	26	\$676.00
5. Public Access Reuse (PAR) Analysis			
A. CBOD	\$44.00	365	\$16,060.00
B. TSS	\$18.00	365	\$6,570.00
C. FECAL	\$45.00	365	\$16,425.00
6. Monthly Nitrogen Series and Phosphorous	\$52.00	12	\$624.00
7. Weekly Nitrate plus Nitrite, Total Nitrogen and Phosphorous	\$38.00	52	\$1,976.00
8. Quarterly IPP	\$83.00	4	\$332.00
(Influent/Effluent/sludge)	\$792.00	3	\$2,376.00

ITEM II:

SCHEDULE OF TEST-EFFLUENT SPRAYFIELD (DEP PERMIT)

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

- 1. Quarterly (Sprayfield)
- 2. Monthly (Bio-Solid Site)

Price per sample test	Estimated Samples	Total
\$175.00	40	\$7,000.00
\$175.00	72	\$12,600.00

Price per sample test	Estimated Samples	Total
\$158.00	40	\$6,320.00
\$189.00	72	\$13,608.00

Price per sample test	Estimated Samples	Total
\$180.00	40	\$7,200.00
\$180.00	72	\$12,960.00

ITEM III:

WASTEWATER TREATMENT PLANT (EPA PERMIT)

A. EFFLUENT BY-PASS:

- 1. Complete set

Price per sample test	Estimated Samples	Total
\$95.00	9	\$855.00

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

Price per sample test	Estimated Samples	Total
\$99.00	9	\$891.00

B. DIGESTED SLUDGE:

- 1. 125 Priority Pollutants
- 2. Toxicity Characteristic
- 3. Bench Scale Test
- 4. Total Solids

\$550.00	1	\$550.00
\$750.00	1	\$750.00
\$75.00	12	\$900.00
\$15.00	12	\$180.00

\$545.00	1	\$545.00
\$450.00	1	\$450.00
\$90.00	12	\$1,080.00
\$10.00	12	\$120.00

\$632.00	1	\$632.00
\$487.00	1	\$487.00
\$39.00	12	\$468.00
\$10.00	12	\$120.00

C. REAGENT WATER:

- 1. Annual analysis

\$48.00	1	\$48.00
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\$48.00	1	\$48.00
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\$75.00	1	\$75.00
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D. BACKGROUND SURFACE WATER:

- 1. Analysis (quarterly)

\$245.00	4	\$980.00
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\$32.00	4	\$128.00 *
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\$168.00	4	\$672.00
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ITEM IV:

WASTEWATER TREATMENT PLANT (IWPP PERMIT)

A. INDUSTRIAL CUSTOMER:

- 1. Effluent
- 2. Pollutants

\$95.00	2	\$190.00
\$550.00	2	\$1,100.00 *

\$66.00	2	\$132.00
\$545.00	2	\$1,090.00

\$65.00	2	\$130.00
\$330.00	2	\$660.00

TOTAL - ITEMS I THRU IV:

\$63,523.00

\$48,627.00

\$75,356.60

* Total miscalculated. Used unit pricing.

Recommendation: Advanced Environmental Laboratories



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Environmental Conservation Laboratories Inc.

4810 Executive Park Ct, Suite 211

Jacksonville, FL 32216

**ITEM I:
WASTEWATER TREATMENT PLANT (DEP PERMIT)**

A. DIGESTED SLUDGE:

	Price per sample test	Estimated Samples	Total
1. Complete set	\$445.00	4	\$1,780.00
2. % Solids before dewatering	\$10.00	4	\$40.00

B. PLANT INFLUENT/EFFLUENT:

1. Annual Treated Effluent Analysis (Industrial Pretreatment)	\$670.00	1	\$670.00
2. Weekly analysis (St Margarets EFA1)			
A. CBOD	\$86.00	52	\$4,472.00
B. TSS	\$70.00	52	\$3,640.00
C. FECAL	\$100.00	52	\$5,200.00
3. Semi-Annual (St. Margaret's EFA-1)	\$12.00	2	\$24.00
4. Bi-Weekly Analysis (Sites INF-1 & EFA1)			
A. CBOD	\$36.00	26	\$936.00
B. TSS	\$20.00	26	\$520.00
C. FECAL	\$50.00	26	\$1,300.00
5. Public Access Reuse (PAR) Analysis			
A. CBOD	\$68.00	365	\$24,820.00
B. TSS	\$60.00	365	\$21,900.00
C. FECAL	\$75.00	365	\$27,375.00
6. Monthly Nitrogen Series and Phosphorous	\$70.00	12	\$840.00
7. Weekly Nitrate plus Nitrite, Total Nitrogen and Phosphorous	\$65.00	52	\$3,380.00
8. Quarterly IPP	\$280.00	4	\$1,120.00

C. Annual IPP Analysis:

(Influent/Effluent/sludge)			
	\$410.00	3	\$1,230.00

ITEM II:

SCHEDULE OF TEST-EFFLUENT SPRAYFIELD (DEP PERMIT)

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

- 1. Quarterly (Sprayfield)
- 2. Monthly (Bio-Solid Site)

	Price per sample test	Estimated Samples	Total
A. GROUNDWATER MONITORING WELLS & RESERVOIR - EFFLUENT SAMPLING & ANALYSIS:			
1. Quarterly (Sprayfield)	\$950.00	40	\$38,000.00
2. Monthly (Bio-Solid Site)	\$950.00	72	\$68,400.00

ITEM III:

WASTEWATER TREATMENT PLANT (EPA PERMIT)

A. EFFLUENT BY-PASS:

- 1. Complete set

	Price per sample test	Estimated Samples	Total
A. EFFLUENT BY-PASS:			
1. Complete set	\$305.00	9	\$2,745.00

B. DIGESTED SLUDGE:

- 1. 125 Priority Pollutants
- 2. Toxicity Characteristic
- 3. Bench Scale Test
- 4. Total Solids

1. 125 Priority Pollutants	\$1,000.00	1	\$1,000.00
2. Toxicity Characteristic	\$850.00	1	\$850.00
3. Bench Scale Test	**	12	**
4. Total Solids	\$60.00	12	\$720.00

C. REAGENT WATER:

- 1. Annual analysis

1. Annual analysis	**	1	**
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D. BACKGROUND SURFACE WATER:

- 1. Analysis (quarterly)

1. Analysis (quarterly)	\$315.00	4	\$1,260.00
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ITEM IV:

WASTEWATER TREATMENT PLANT (IWPP PERMIT)

A. INDUSTRIAL CUSTOMER:

- 1. Effluent
- 2. Pollutants

	Price per sample test	Estimated Samples	Total
A. INDUSTRIAL CUSTOMER:			
1. Effluent	\$95.00	2	\$190.00
2. Pollutants	\$750.00	2	\$1,500.00

TOTAL - ITEMS I THRU IV:

\$213,912.00

** Do not perform. A price per sample can be established if the parameters are defined
 NOTE: The bench scale test and reagent water test parameters were not defined or specified within the ITB. Enco can not bid a rate on these line items until they are defined.