

PROPOSAL FOR ADDITIONAL ENVIRONMENTAL SERVICES

**BAILEY ROAD YARD
END OF BAILEY ROAD
FERNANDINA BEACH, FLORIDA**

LAW PROPOSAL NO. 93-3807E

**LAW**

ENGINEERING AND ENVIRONMENTAL SERVICES

August 10, 1993

Board of County Commissioners
c/o T. J. Greeson
Ex-Officio Clerk
Nassau County Courthouse
416 Centre Street, Room 9
Fernandina Beach, Florida 32034

Subject: **Proposal for Additional Environmental Services**
Bailey Road Yard
End of Bailey Road
Fernandina Beach, Florida
FDER Request Notice No. RN93-0014 WC45-NED
LAW Proposal No. 93-3807E

Dear Gentlemen:

Law Engineering, Inc. (LAW) is pleased to submit this proposal to conduct Additional Sampling Services for the subject site located at End of Bailey Road in Fernandina Beach, Florida. This proposal has been requested by Mr. William P. Lecher, P.E. and includes our understanding of the project information and requirements as well as our proposed scope and schedule of activities, our estimated fee for performing these services and our Fee Schedule.

PROJECT INFORMATION

LAW conducted a Phase II Environmental Site Assessment on the subject site and prepared a report that was submitted to Mr. Bill Lecher, P.E., Nassau County Engineer in June 1993 under LAW Project No. 444-06965.01. In this report, concentrations of Beryllium, Chromium, Lead and Selenium were detected greater than the regulated Florida Guidance Concentration for groundwater. LAW noticed that these slightly elevated metals concentrations are likely to be attributable to the turbidity of the samples resulting in the laboratory digestion of metals contained in suspended clay particles entrained with the groundwater samples.

The report was presented to Ms. Gracie L. Kennedy, Environmental Specialist, Florida Department of Environmental Protection (FDEP) by Mr. Lecher, P.E. after she had received complaints from residents regarding the property. She requested a meeting be arranged at the subject site to inspect the locations of these wells during the Phase II work. The meeting was arranged on July 28, 1993 and included Ms. Kennedy, Mr. Lecher and Mr. Srinivas Kuchibotla from Law Engineering.

After inspection, Ms. Kennedy, requested that total metals analysis (EPA 6010) be conducted on each well (MW-1 to MW-6) as composite samples were collected earlier and the exact location of the elevated concentrations could not be determined. This request was further supported by a letter from her dated July 29, 1993 (Request Notice No. RN93-0014-WC45-NED). Based on telephone conversations with

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JACKSONVILLE, FL 32207
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904-396-5173
FAX 904-396-5703
ONE OF THE LAW COMPANIES





Ms. Kennedy on August 10, 1993, she requested that only those metals detected over the State guidance groundwater concentrations be analyzed (which include beryllium, chromium, lead and selenium).

SCOPE OF SERVICES

Based on your need, and what we understand from Ms. Kennedy's letter and conversations with her over the phone, we propose the following scope of services:

Task 1 - Groundwater Sampling and Laboratory Analysis

A LAW representative will collect six groundwater samples, one from each monitoring well location. The groundwater samples will be obtained from the wells by means of disposable teflon bailers. The samples will be placed in containers provided by the laboratory and shipped by over-night courier to Law Environmental National Laboratories in Pensacola, Florida. The groundwater samples will be analyzed for the metals, beryllium, chromium, lead and selenium by EPA Method 6010. Three to five well volumes shall be removed from each well before the samples are collected. Sample collection and laboratory analysis activities will be performed in general accordance with Law Engineering's and Law Environmental National Laboratory's Comprehensive Quality Assurance Plans.

Task 2 - Report Preparation

Upon completion of our field activities and receipt of the laboratory results, a letter report with our findings will be prepared for submittal. The data will be presented along with our findings and recommendations for the site. This report is intended for the use of Board of County Commissioners. Our services have been performed under mutually agreed terms and conditions. If other parties wish to rely on this report, please have them contact us so that a mutual understanding and agreement of the terms and conditions for our services can be established prior to their use of this information. The findings presented in this report are relevant to the dates of our site services and should not be relied upon to represent conditions at substantially later dates.

ESTIMATED FEES

Task 1 - Groundwater Sampling and Laboratory Analysis	\$800.00
Task 2 - Report Preparation	<u>\$700.00</u>
Estimated Total Fee	\$1,500.00

The actual fee for our services will be determined by the services expended in general accordance with the attached Fee Schedule. As noted earlier, we will monitor the study so as to reduce the scope from that noted above where warranted. To keep you informed of services performed, an invoice for completed services will be issued every four weeks. Invoices are due upon receipt. We will not exceed an amount of \$1,500.00 for these supplemental services without written authorization from your office.



SCHEDULE

We understand that it is necessary to complete this study as soon as possible. Based on our present schedule and laboratory turnaround time requirements, verbal results should be available within four weeks of your authorization to proceed. A written report of our findings will be submitted approximately one week thereafter. If this schedule does not meet your project deadlines, please notify our office so that a mutually agreeable schedule can be arranged to meet your requirements.

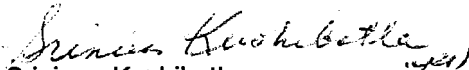
AUTHORIZATION

We assume these additional environmental services will be authorized by an extension to the existing contract with the Nassau County Board of Commissioners. Therefore, we have included below notation similar to that added in the past.

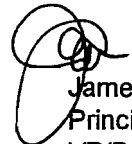
If you have any further questions on the matter, please contact us at your convenience.

Sincerely,

LAW ENGINEERING, INC.


Srinivas Kuchibotla
Project Environmental Engineer

SK/JAH:ph


James A. Horton, P.E.
Principal Engineer
VP/Branch Manager


FOR NASSAU COUNTY USE ONLY:

Approved this 23rd day of August, 1993 by the Board of County Commissioners, Nassau County, Florida.

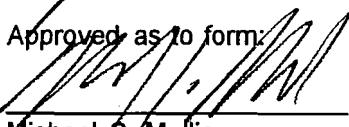
ATTEST:

BOARD OF COUNTY COMMISSIONERS


T. J. Greason, Ex-Officio Clerk


James Testone, Chairman

Approved as to form:


Michael S. Mullin
County Attorney



LAW ENGINEERING, INC.
SCHEDULE OF FEES

Bailey Road Yard
End of Bailey Road
Fernandina Beach, Florida

LAW Proposal No. 93-3807E

ENGINEERING SERVICES

\$	45.00	Environmental Technician, per hour
\$	75.00	Staff Environmental Scientist/Geologist/Engineer, per hour
\$	80.00	Project Environmental Scientist/Geologist/Engineer, per hour
\$	85.00	Senior Environmental Scientist/Geologist/Engineer, per hour
\$	95.00	Principal Environmental Scientist/Geologist/Engineer, per hour
\$	100.00	Chief Engineer, P.E., per hour
\$	110.00	Corporate Environmental Consultant, per hour
\$	30.00	Clerical Support, per hour
\$	30.00	Draftsman, per hour
\$	40.00	CADD Operator, per hour
\$	0.40	Mileage, per mile
		Reimbursable Expenses, Cost divided by 0.8
		Subcontract Services, Cost divided by 0.8

FIELD SERVICES*

\$	150.00	Organic Vapor Analyzer (OVA), rental per day
\$	10.00	Ph and Conductivity Meter, rental per day
\$	10.00	Metal Tape Depth Gage, rental per day
\$	10.00	Hand Auger, rental per day
\$	0.40	Mileage, per mile
		Reimbursable Expenses, Cost divided by 0.8
		Subcontract Services, Cost divided by 0.8

*Please add the appropriate engineering rates for execution of field services.



FEE SCHEDULE
PAGE - TWO -

DRILLING SERVICES

Mobilization and Transportation of Drilling Equipment, lump sum	\$ 350.00
Drill and Install Monitor Wells (10-foot screen)	
2-inch PVC, per foot	\$ 22.00
4-inch PVC, per foot	\$ 26.00
Split-Spoon Samples, in conjunction with well installation, each	\$ 22.00
Decontamination of Drilling Equipment, per hour	\$ 140.00
Well Cover	
Above Ground, each	\$ 175.00
Flush Mount, each	\$ 225.00
Well Development, per hour	\$ 135.00
55-Gallon Drums, each	\$ 65.00
Time Rate, per hour	\$ 130.00
Stand-by, per hour	\$ 100.00
Grouting of Borings or Wells, per foot	\$ 5.00
Piezometer Installation, per foot	\$ 12.00