



LAW

ENGINEERING AND ENVIRONMENTAL SERVICES

PROPOSAL FOR GROUNDWATER MONITORING SERVICES

**BAILEY ROAD MAINTENANCE CAMP
NASSAU COUNTY TRANSPORTATION DEPARTMENT
END OF BAILEY ROAD
FERNANDINA BEACH, FLORIDA**

SEPTEMBER 6, 1994

LAW ENGINEERING PROPOSAL NO. 94-4151E

**LAW**

ENGINEERING AND ENVIRONMENTAL SERVICES

September 6, 1994

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 Groundwater Monitoring Services**
Bailey Road Maintenance Camp
Nassau County Transportation Department
End of Bailey Road
Fernandina Beach, Florida
Law Engineering Proposal No. 94-4151E
FDEP Facility No. 458521115

Dear Gentlemen/Madame:

Law Engineering, Inc. (LAW) is pleased to submit this proposal to provide groundwater monitoring services for the petroleum contamination area for above referenced site located in Fernandina Beach, Florida. Included in this proposal is our understanding of the project, an outline of our proposed services, a fee estimate, and our anticipated schedule and authorization instructions.

BACKGROUND INFORMATION

Background information has been provided to LAW by Mr. William P. Lecher, P.E., Nassau County Engineer in August 1994. We understand the site is located at the end of Bailey Road in Fernandina Beach, Florida. The Florida Department of Environmental Protection (FDEP) Facility Identification Number for the site is 458521115. We have previously performed services at the site as documented in the following reports:

- Petroleum Contamination Assessment Report, LAW Project No. 444-06710.02 dated August 17, 1992.
- Initial Remedial Action Report, LAW Project No. 444-06710.06, dated August 1993.
- Contamination Assessment Report Addendum, LAW Project No. 444-06710.04, dated September 1, 1993.
- Report of Initial Remedial Action at Former Waste Oil Tank Area, LAW Project No. 444-06710.10, dated June 3, 1994.
- Report of Supplemental Environmental Services, LAW Project No. 444-06710.09, dated June 20, 1994.

LAW ENGINEERING, INC.

3901 CARMICHAEL AVENUE • P.O. BOX 5728
JACKSONVILLE, FLORIDA 32207
(904) 396-5173 • FAX (904) 396-5703

ONE OF THE LAW COMPANIES 

We have been provided a letter written by Mr. Tom Stodd, Technical Review Section of the FDEP in Tallahassee, Florida submitted through the FDEP in Jacksonville, Florida to Mr. Lecher dated August 10, 1994. The letter states based upon the above referenced reports, the FDEP has approved a monitoring only status for the subject site. The letter further outlines the required monitoring program. We also understand based on the letter that a Monitoring Only Plan Approval Order is currently being sent to Mr. Lecher. Based on our discussions with Mr. Tim Dohaney, FDEP in Jacksonville, Florida, the approval order requests quarterly reporting. We understand that the approval order also requests collection and submission of groundwater elevation data in each sampling report. Based upon your requests, we are proposing to perform the indicated monitoring program. The balance of this proposal outlines our scope of services to perform the site monitoring.

SCOPE OF SERVICES

Based upon our understanding of your needs and what we believe to be the currently applicable professional criteria and guidelines, we propose the following scope of services:

Task 1 - Groundwater Sampling and Analysis

One groundwater sample will be obtained from each of the monitoring wells MW-2B, MW-5B and MW-9B, as noted in the letter. Based upon the FDEP letter we anticipate obtaining a groundwater sample from each of the wells on a quarterly basis for one year. Groundwater samples will be obtained by means of a 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 in the laboratory for Aromatic Volatile Organics by Environmental Protection Agency (EPA) Method 602 including methyl tert butylether (MTBE). Sample collection activities will be performed in general accordance with Law Engineering's Comprehensive Quality Assurance Plan and the Health and Safety Plan included in the Contamination Assessment Report (CAR), dated August 17, 1992 (LAW Project No. 444-06710.02). Prior to each sampling event LAW will obtain groundwater depth measurements in order to ascertain groundwater flow information from the above referenced wells. A water table contour map and summary table will be generated from the information obtained.

Task 2 - Report Preparation

Upon completion of our field activities and receipt of the laboratory analysis results, quarterly written reports of our findings will be prepared for submittal to Nassau County Board of County Commissioners and the FDEP. Our fee includes six hours of professional time for project management and phone conversations with the FDEP and Nassau County, but does not include time for meetings or additional reports.

ESTIMATED FEES

Task 1 - Groundwater Sampling and Analysis	\$2800.00
Task 2 - Report Preparation	\$3400.00
Total Estimated Fee	\$6200.00

The above estimated fee is for the monitoring for a one year period (four sampling and reporting events). To keep you informed, we will invoice you for our services after each sampling event and report preparation. Invoices will be due upon receipt. We will not exceed a fee of \$6200.00 without an extension of the scope of services by your office.

Our scope of services outlined above does not include resampling, supplemental contamination assessment, or remediation services. LAW would be pleased to provide additional services related to these items as needed, under a separate scope of services.

SCHEDULE

We understand that it is necessary to complete our services as soon as possible. We plan to perform our field services portion within two weeks of the end of each quarter. Based upon a standard three week turnaround time on laboratory analysis, we anticipate issuing our initial report of our services within six to seven weeks of the end of the quarter. If this scheduling arrangement does not meet your project deadlines, please notify our office so that a mutually agreeable schedule can be arranged.

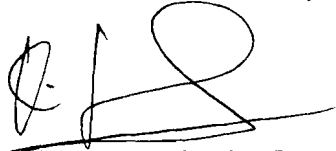
AUTHORIZATION

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

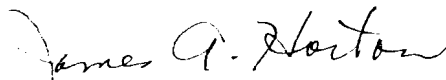
If you have any questions, please contact us at your convenience.

Sincerely,

LAW ENGINEERING, INC.



Srinivas Kuchibotla, E.I.
Project Environmental Engineer



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

BY ph WITH PERMISSION

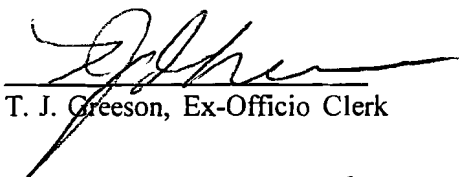
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Distribution: Nassau County Engineer (2)

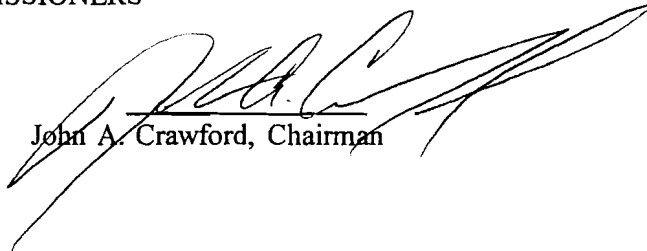
FOR NASSAU COUNTY USE ONLY:

Approved this 26th day of September 1994 by the Board of County Commissioners, Nassau County, Florida.

ATTEST: BOARD OF COUNTY COMMISSIONERS

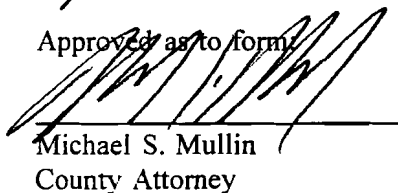


T. J. Greeson, Ex-Officio Clerk



John A. Crawford, Chairman

Approved as to form



Michael S. Mullin
County Attorney

received
May 23 1964

