



GWL, INC. ENVIRONMENTAL CONSULTANTS

Jacksonville, Florida

Pompano Beach, Florida

Charleston, South Carolina

February 13, 1991

Mr. Bill Lecher, P.E.
Nassau County Engineer
2290 South 8th Street
Fernandina Beach, Florida 32034

RE: Cost to implement Nassau County's Gas Monitoring Investigation for the Lofton Creek and Bryceville Landfills, as required by the Florida Department of Environmental Regulation (FDER)

Dear Mr. Lecher:

GWL, Inc. is pleased to submit a cost breakdown for the implementation of the Gas Migration Investigation at the Lofton Creek and Bryceville Landfills. FDER indicates that six to eight temporary gas migration wells should be installed and sampled at each site to detect the volume of gas (if any) that is generated from the landfills. This study will fulfill FDER's requirements for a gas migration investigation.

The following is the scope and costs to implement the Gas Monitoring Investigation for both sites:

<u>Work Item</u>	<u>Estimated Costs</u>
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A. Gas monitoring probe installation (6-8 wells/site)

Materials (screens, caps and valves, cement)	\$ 220
Labor (1 day/site or 2 days)	
Hydrogeologist 16hrs @\$50/hr	\$ 800
Technician 16 hrs @\$40/hr	\$ 640
Mobilization	\$ 100
Subtotal	\$ 1,760

B. Gas monitoring probe sampling

Hydrotechnician 8hr @ \$40/hr	\$ 320
Explosion Meter @ \$40/day	\$ 40
Mileage	\$ 70
Subtotal	\$ 430

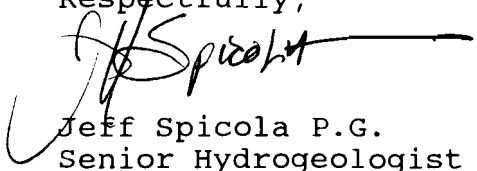
C. Reports to FDER

Chemist 4 hrs @ \$65/hr	\$	260
Typing/Reproduction	\$	40
Subtotal	\$	300
TOTAL	\$	2,490

Based on the proposed scope of work, we estimate that the total cost for both Gas Monitoring Investigation implementations will cost \$ 2,490.00. Therefore, the cost per site will be \$ 1,245.00. **Nassau County** will only be billed for actual time or expense we incur for the projects. If we find that less time is required to complete the work, **Nassau County** will be billed accordingly.

If you have any questions regarding this proposal or the Gas Monitoring Investigation, please telephone me at (904) 636-9360.

Respectfully,

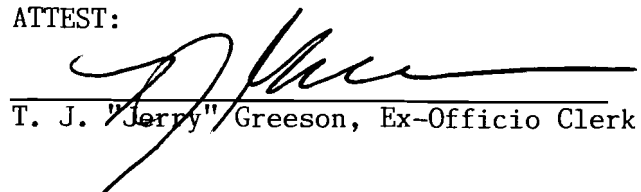

Jeff Spicola P.G.
Senior Hydrogeologist

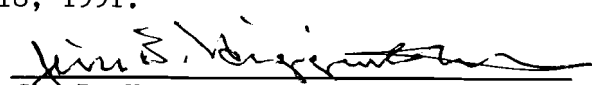
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Approved Nassau County Commission, February 18, 1991.

ATTEST:


T. J. "Jerry" Greeson, Ex-Officio Clerk


Jim B. Higginbotham, Chairman
BOARD OF COUNTY COMMISSIONERS



Nassau County Engineer

2290 SOUTH 8th STREET
FERNANDINA BEACH, FL 32034-3056

WILLIAM LECHER, P.E.
COUNTY ENGINEER

MEMORANDUM

TO: JOYCE BRADLEY, DEPUTY CLERK
FROM: *ML* MICHELE D. HATTON, ADMINISTRATIVE TECHNICIAN
DATE: APRIL 3, 1991
RE: G. W. LEVE, INC. - GAS MONITORING CONTRACT

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Attached is an original executed copy of the above contract for your files. Please contact me if you have any questions.