

**TASK NO. 4 TO AGREEMENT
FOR PROFESSIONAL SERVICES ON A CONTINUING BASIS**

THIS AGREEMENT is made as of the 28th day of July, 2008, between THE CITY OF LEESBURG, FLORIDA, a Florida Municipal Corporation, whose address is 501 West Meadow Street, PO Box 490630, Leesburg, Florida 34749-0630 (hereinafter referred to as the "City") and JONES EDMUNDS & ASSOCIATES, INC., whose address is 730 NE Waldo Road, Gainesville, Florida 32641 (hereinafter referred to as the "Professional").

WITNESSETH:

WHEREAS, on May 24, 2004, the City and Professional previously entered into an Agreement for Professional Services on a Continuing Basis (hereinafter referred to as the "Agreement"). The Agreement is referenced herein as though set forth in full.

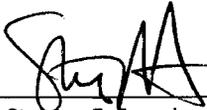
WHEREAS, the CITY and the PROFESSIONAL desire to enter into a Written Amendment for "City of Leesburg Municipal Landfill; Compliance Gas and Groundwater Monitoring Services; Evaluation Monitoring Groundwater Services; Fiscal Year 2008/2009."

NOW THEREFORE, for and in consideration of the mutual covenants and promises contained in this Agreement, the CITY and the PROFESSIONAL do hereby agree as set forth below:

1. The above recitals are true and correct and are incorporated herein.
2. The Parties agree to the scope of work and budget pursuant to the terms and conditions set forth in Exhibit A.

IN WITNESS WHEREOF, the parties have executed this Amendment on the respective dates under each signature.

JONES EDMUNDS & ASSOCIATES, INC.

By:  _____

Stanley F. Ferreira, Jr., P.E.

Its: Chief Operating Officer _____

Date: 7/29/08 _____

THE CITY OF LEESBURG

By: _____
Mayor/Commissioner

Attest: _____

Date: _____

*DRTH
7/29/08*

City of Leesburg, Florida

Work Assignment

Workscope and Budget for:

**City of Leesburg Municipal Landfill
Compliance Gas and Groundwater Monitoring Services
Evaluation Monitoring Groundwater Services
Fiscal Year 2008 / 2009**

Jones Edmunds & Associates, Inc.
730 NE Waldo Road
Gainesville, Florida 32641

Jones Edmunds Opportunity No. 95403-324-08
July 28, 2008

City of Leesburg Municipal Landfill
Compliance Gas and Groundwater Monitoring Services
Evaluation Monitoring Groundwater Services
Fiscal Year 2008 / 2009

Workscope

City of Leesburg Municipal Landfill
Compliance Gas and Groundwater Monitoring Services
Evaluation Monitoring Groundwater Services
Fiscal Year 2008 / 2009

Workscope

Overview

The scope for this work assignment is to perform compliance monitoring services for the City of Leesburg Municipal Landfill for Fiscal Year 2008 / 2009. This includes Fourth Quarter 2008, First Quarter 2009, Second Quarter 2009, and Third Quarter 2009 (October 1, 2008 through September 30, 2009). Compliance monitoring will be performed according to the requirements of Florida Department of Environmental Protection (FDEP) Permit No. SF35-0124377-01, and the requirements of the revised Monitoring Plan Implementation Schedule (MPIS) (revised June 1, 2007).

The scope of this work assignment also includes Evaluation Monitoring required by FDEP for groundwater contamination at the landfill. Additional work that may be required by FDEP outside the workscope herein is not included in the budget.

Summary of Events – Compliance Monitoring

The following compliance monitoring events will be conducted as required by the FDEP Permit:

Fiscal Year 2008 / 2009 (October 1, 2008 through September 30, 2009):

Gas Monitoring:

- Fourth Quarter 2008 – Gas Monitoring Sampling and Report
- First Quarter 2009 – Gas Monitoring Sampling and Report
- Second Quarter 2009 – Gas Monitoring Sampling and Report
- Third Quarter 2009 – Gas Monitoring Sampling and Report

Groundwater Monitoring:

- Second Semiannual 2008 – Groundwater (and Surface Water) Monitoring Sampling, Laboratory Analysis, and Report (December 2008)
- First Semiannual 2009 – Groundwater (and Surface Water) Monitoring Sampling, Laboratory Analysis, and Report (June 2009)
- Biennial Technical Summary Report – A biennial technical summary report is due in April 2009.
- Total Well Depth Measurement – as required by Condition 18. of the MPIS. These measurements were last performed during June 2006 (First Semiannual 2006), and will not be required during Fiscal Year 2008 / 2009. The next measurements are required during Fiscal Year 2010 / 2011.

Summary of Events – Evaluation Monitoring

The following is required as part of Evaluation Monitoring for the landfill:

Evaluation Monitoring (as of July 25, 2008):

- Continued quarterly sampling of compliance and assessment monitoring wells for the following events:
 - Fourth Quarter 2008 - (December 2008)
 - First Quarter 2009 - (March 2009)
 - Second Quarter 2009 - (June 2009)
 - Third Quarter 2009 - (September 2009)

- The compliance and assessment wells listed below will be sampled quarterly for a reduced list of parameters, approved in FDEP correspondence dated March 13, 2007. The reduced parameter list for these wells is *Ammonia Nitrogen, Iron, Benzene, and Vinyl Chloride*. Laboratory analysis and report preparation are included.
 - C-3 Compliance Well
 - C-5US Compliance Well
 - C-6US Assessment Well
 - C-7US Assessment Well
 - C-8US Assessment Well

- The wells listed below will be sampled annually during March 2009 for the parameters listed in *F.A.C. 62-701.510(8)(d)*.
 - B-2 Background Well
 - C-3 Compliance Well (Affected)
 - C-5US Compliance Well (Affected)

- In e-mail correspondence dated May 9, 2008, FDEP required that the well listed below at the old-dump site west of the landfill be sampled concurrently with the quarterly evaluation monitoring. This well will be sampled only for *Ammonia Nitrogen*.
 - I-2

Summary – Annual Long-Term Care Financial Assurance Cost Estimate

An annual long-term care cost estimate is due to FDEP by September 1, 2009. A short-form cost estimate will be submitted based on the 2008 estimate and the FDEP inflation-factor adjustment.

Landfill Gas Monitoring Services

Jones Edmunds will perform quarterly landfill gas monitoring services according to FDEP Permit No. SF35-0124377-001 Specific Condition 9. Ten landfill gas monitoring probes (GP-1 through GP-10) will be measured for methane (percent by volume). A report of the field-measured data will be prepared and forward to FDEP within 30 days of the measurement event.

Landfill Groundwater Monitoring Services

Jones Edmunds will perform semiannual landfill groundwater sampling, laboratory analysis, and reporting services according to FDEP Permit No. SF35-0124377-001 Specific Condition 7 and the Monitoring Plan Implementation Schedule (MPIS)(revised June 1, 2007). Eleven groundwater monitoring wells and one surface water station will be sampled for the parameters listed in the FDEP permit. Field sampling procedures will be according to FDEP Standard Operating Procedures (SOPs). A continuous-round of groundwater elevation measurements will be collected prior to sampling. Sampling points are referenced in Attachment 1.

Laboratory analyses will be performed by Environmental Conservation Laboratories, Inc. (ENCO), according to applicable FDEP SOPs. Laboratory analytical requirements are referenced in Attachment 2.

Semiannual groundwater monitoring reports will be prepared, consisting of the following items required by FDEP permit.

- 1) Completed "Groundwater Monitoring Report form" FDEP Form 62-522.900(2).
- 2) Completed "Parameter Monitoring Report forms" FDEP Form 62-522.900(2).
- 3) Groundwater elevation contour map of the surficial aquifer and tabulated groundwater elevation data.
- 4) Table of parameters exceeding groundwater and/or surface water standards or criteria.
- 5) Table of parameters detected above laboratory detection limits.
- 6) Copy of original laboratory data forms.
- 7) Copy of original field data sheets and/or "Water Sampling Log" forms.
- 8) Copy of original "Chain-of-Custody" forms.
- 9) Electronic data deliverables to FDEP in the Validator or ADaPT / WACs format.

The report will be signed-and-sealed pursuant to Florida Statute as required by the permit.

The Biennial Technical Summary Report will be prepared according to the requirements of Condition 22. of the Monitoring Plan Implementation Schedule (MPIS) attached to the FDEP permit.

Evaluation Monitoring Services

Jones Edmunds will perform quarterly groundwater sampling, laboratory analysis, and reporting services required by the FDEP for Evaluation Monitoring. Sampling and laboratory analytical requirements are referenced in Attachment 3. A letter format report will be produced to

summarize the results of the quarterly Evaluation Monitoring events.

Annual Evaluation Monitoring requirements are referenced in Attachment 4.

Annual Long-Term Care Financial Assurance Cost Estimate

A short-form cost estimate will be submitted to FDEP based on the 2008 estimate and the FDEP inflation-factor adjustment.

Contingency

Resampling or Confirmatory Sampling: Resampling or confirmatory sampling may be necessary to verify results of the groundwater or surface water monitoring events. Budget for one resampling event has been included.

Schedule

Landfill gas monitoring will be conducted during each calendar quarter as referenced above. Results of the gas monitoring event will be submitted to FDEP within 30 days of the field measurement event. Where possible, the gas monitoring events will be conducted concurrent with the groundwater monitoring events.

Compliance landfill groundwater monitoring will be conducted semiannually. The sampling events will occur in June and December of each year as referenced in the revised MPIS. Results of the groundwater monitoring events will be submitted to FDEP within 60 days of receipt of complete and final data from the laboratory.

Evaluation monitoring events will be performed quarterly and annually. Where possible, these events will be performed concurrent with the semiannual compliance monitoring events.

The City of Leesburg will be given an opportunity to review the reports prior to submittal to FDEP should the City desire to do so.

Deliverables

To FDEP Central District Office: Two report copies and electronic data deliverables.

To the City of Leesburg: Two report copies and electronic scanned report.

Attachment 1
City of Leesburg Municipal Landfill
Compliance Monitoring
Sampling Points

City of Leesburg Municipal Landfill
Sampling Points

Gas Monitoring Probes

GP-1
GP-2
GP-3
GP-4
GP-5
GP-6
GP-7
GP-8
GP-9
GP-10

Groundwater Monitoring Wells

B-1
B-2
B-3
C-1
C-2
C-3
C-5 US
C-5 LS
BP-1
BP-2
I-1

Surface Water Station

SW-1

Attachment 2
City of Leesburg Municipal Landfill
Compliance Monitoring
Laboratory Analytical Requirements

City of Leesburg Municipal Landfill
Laboratory Analytical Requirements

Gas Monitoring Probes

Combustible Vapors (% Volume) - field measured

Groundwater Monitoring Wells

Water Level - field measured
Temperature - field measured
Dissolved Oxygen - field measured
pH - field measured
Specific Conductance - field measured
Turbidity - field measured

Total Ammonia as N
Chlorides
Nitrate as N
Total Dissolved Solids
Iron
Mercury
Sodium
EPA 40 CFR Part 258 Appendix I parameters

Surface Water Station

Water Elevation - field measured
Temperature - field measured
Dissolved Oxygen - field measured
pH - field measured
Specific Conductance - field measured
Turbidity - field measured

Unionized Ammonia (NH₃)
Total Hardness as CaCO₃
Total Organic Carbon
Total Dissolved Solids
Total Suspended Solids
Biochemical Oxygen Demand (5 day)
Chemical Oxygen Demand
Total Nitrogen as N
Nitrate as N

Total Phosphates as P
Chlorophyll A
Iron
Mercury
Phenol
Sulfate
Fecal Coliform
Aluminum
EPA 40 CFR Part 258 Appendix I parameters

Attachment 3
City of Leesburg Municipal Landfill
Quarterly Evaluation Monitoring Requirements

City of Leesburg Municipal Landfill
Quarterly Evaluation Monitoring Requirements

Groundwater Monitoring Wells

C-3
C-5 US
C-6 US
C-7 US
C-8 US

Laboratory Analytical Requirements

Water Level - field measured
Temperature - field measured
Dissolved Oxygen - field measured
pH - field measured
Specific Conductance - field measured
Turbidity - field measured

Total Ammonia as N
Iron
Benzene
Vinyl Chloride

Monitoring at Old-Dump Site Concurrent with Quarterly Evaluation Monitoring

Groundwater Monitoring Wells

I-2

Laboratory Analytical Requirements

Total Ammonia as N

Attachment 4
City of Leesburg Municipal Landfill
Annual Evaluation Monitoring Requirements

City of Leesburg Municipal Landfill
Annual Evaluation Monitoring Requirements

Groundwater Monitoring Wells

B-2 (background well)
C-3 (affected well)
C-5 US (affected well)

Laboratory Analytical Requirements

Water Level - field measured
Temperature - field measured
Dissolved Oxygen - field measured
pH - field measured
Specific Conductance - field measured
Turbidity - field measured

EPA 40 CFR Part 258 Appendix II parameters

City of Leesburg Municipal Landfill
Compliance Gas and Groundwater Monitoring Services
Evaluation Monitoring Groundwater Services
Fiscal Year 2008 / 2009

Budget

City of Leesburg Municipal Landfill

Summary of Estimated Monitoring Costs

Fiscal Year 2008 / 2009 (Fourth Quarter 2008 through Third Quarter 2009)

July 28, 2008

Event	Cost Per Event	Number of Events	Estimated Total Cost
<u>Compliance Monitoring Services</u>			
Gas Monitoring			
Fourth Quarter 2008 - Gas Monitoring Event	\$ 760.00	1	\$ 760.00
First Quarter 2009 - Gas Monitoring Event	\$ 2,020.00	1	\$ 2,020.00
Second Quarter 2009 - Gas Monitoring Event	\$ 780.00	1	\$ 780.00
Third Quarter 2009 - Gas Monitoring Event	\$ 2,020.00	1	\$ 2,020.00
Groundwater Monitoring			
Second Semiannual 2008 - Groundwater and Surface Water Monitoring Event	\$15,790.00	1	\$ 15,790.00
First Semiannual 2009 - Groundwater and Surface Water Monitoring Event	\$16,060.00	1	\$ 16,060.00
Biennial Technical Summary Report (April 2009)	\$ 4,730.00	1	\$ 4,730.00
Annual Long-Term Care Financial Cost Estimate	\$ 420.00	1	\$ 420.00
Contingency			
Resampling or Confirmatory Sampling Contingency	\$ 4,330.00	1	\$ 4,330.00
Subtotal of Compliance Monitoring Services			\$ 46,910.00
<u>Evaluation Monitoring Services</u>			
Quarterly Evaluation Monitoring			
Fourth Quarter 2008 - (December 2008)	\$ 3,100.00	1	\$ 3,100.00
First Quarter 2009 - (March 2009)	\$ 4,290.00	1	\$ 4,290.00
Second Quarter 2009 - (June 2009)	\$ 3,150.00	1	\$ 3,150.00
Third Quarter 2009 - (September 2009)	\$ 4,290.00	1	\$ 4,290.00
Annual Evaluation Monitoring			
Annual 2009 - (March 2009)	\$ 4,160.00	1	\$ 4,160.00
Subtotal of Evaluation Monitoring Services			\$ 18,990.00
Total Estimated Cost - Fiscal Year 2008 / 2009			\$ 65,900.00