

Dated this \_\_\_\_\_ day of \_\_\_\_\_, 2013

**TASK ORDER No. DWF-3**

**FORT LAUDERDALE PUBLIC WORKS DEPARTMENT**

**PLANT "A" FORMER TRASH TRANSFER STATION, LINCOLN PARK AREA – DE MINIMIS SOURCE  
REMOVAL**

**PROFESSIONAL SERVICES**

EE&G Environmental Services, LLC (CONSULTANT) has prepared this task order to provide environmental consulting associated with the assessment de minimis source removal activities at the Plant "A" Former Trash transfer Station, Lincoln Park facility, located at along NW 19<sup>th</sup> Avenue and NW 6<sup>th</sup> Street, in Fort Lauderdale, Florida. The services will be provided in accordance with the rates established under the Master Agreement between EE&G and the City of Fort Lauderdale (City), RFQ 616-10632 General Environmental Engineering Consultant Services, which was approved by City Commission on June 21, 2011, extended and amended on June 5, 2012, and extended again on February 19, 2013

**PROJECT BACKGROUND**

On May 29, 2013, a small petroleum discharge occurred from a 550-gallon diesel fuel above ground storage tank (AST), which migrated onto open ground adjoining the tank.

**PROJECT DESCRIPTION**

The scope is to conduct site assessment, a de minimis source removal, followed by confirmation soil and groundwater sampling to confirm that the source removal activities were adequate in addressing the spill. The de minimis source removal will be conducted in accordance with Chapter 62-780.550 of the Florida Administrative Code.

**SCOPE OF SERVICES AND DELIVERABLES**

This task order is being authorized under Chapter 2 – Administration, Article V – Finance, Division 2 – Purchasing, Sec. 2-190 – Emergency purchases of the City of Fort Lauderdale Code of Ordinances. This section authorizes suspension of normal purchasing procedures and requirements directly related to such emergency.

This task order will cover the services required to excavate, characterize and dispose of the impacted soils (up to 44 tons), install and sample a temporary groundwater monitoring well, collect and analyze post-source removal confirmation soil samples, and prepare a summary report of the activities. The summary report will include results of the analyses, along with a summary of field activities and a site diagram. The CONSULTANT will deliver two signed and sealed original reports to the City of Fort Lauderdale.

The CONSULTANT is responsible for all work of their sub consultants/subcontractors to meet the deliverables included on this task order. Under this task order JAEE Environmental Services, Inc. will provide drilling services to collect soil samples and install a monitoring well and Florida Spectrum Environmental Services, Inc., will provide laboratory testing and analytical services. Both sub consultants are listed in the Master Agreement. The CONSULTANT shall provide quality assurance reviews for each phase of this task order.

The CONSULTANT shall provide all engineering services described on the tasks herein below:

### **Task 1 – Site Assessment**

The CONSULTANT shall coordinate staff and subcontractors required to complete the activities included in the assessment. Activities include scheduling of subcontractors and management of personnel to complete field activities. Prior to implementation of field activities, the CONSULTANT shall prepare a site-specific Health and Safety Plan (HASP) to identify risks associated with the performance of site activities.

The CONSULTANT shall contact the Sunshine State One Call utility clearance service to mark public underground utilities, for the protection of the City; however they do not assume responsibility for marking private utilities. Therefore, it is requested that any as-built plans for private utilities and underground improvements be provided. The CONSULTANT cannot accept responsibility for damage to unmarked private underground utilities that are unknown. The Project Manager and/or Project Director shall provide periodic status correspondence and e-mail summaries to document the progress of key tasks, findings and project decisions.

This task is estimated at 12 hours and Not to Exceed \$1,320.00

### **Deliverables**

The CONSULTANT shall provide the following for the CITY an email summary documenting the a timeframe to conduct the scope, progress of key tasks, findings and project decisions.

### **Task 2 – Source Removal Field Work**

The CONSULTANT shall mobilize a backhoe, backhoe operator and staff professional/field scientist to the site to excavate the impacted surficial soils. The excavation area is estimated at 30-feet by 8-feet by ~ 4-feet deep (approximately 44-tons). The excavated soils will be placed upon and covered by visqueen. Three composite soil characterization sample will be collected from the stockpiled soils for disposal approval and laboratory analyzed for the following parameters:

- 8 RCRA Metals by EPA Method 6010/7471
- Volatile Organic Compounds (VOCs) by EPA Method 8260
- Polynuclear Aromatic Hydrocarbons (PAHs) by EPA Method 8270
- Total Petroleum Hydrocarbons (TPHs) by Method FL-PRO

The CONSULTANT shall visually inspect the excavation to assess for indications of petroleum staining, unnatural discoloration or unnatural materials screen the excavation walls during source removal, and also will screen soils from the excavation walls with an organic vapor analyzer (OVA) equipped with a flame ionization detector (FID), both with and without the use of a carbon filter. Following source removal, EE&G will collect 6 confirmation soil samples from the excavation walls and they will be analyzed for the following parameters:

- Volatile Organic Aromatics (VOAs) by EPA Method 8260
- PAHs by EPA Method 8270
- TPHs by Method FL-PRO

Following excavation of the impacted soils and the collection of the confirmation soil samples, the CONSULTANT shall backfill the excavation area with an estimated 44 tons of clean, crushed limestone rock fill. The excavation area will be compacted using the weight of the backhoe.

Following the backfilling of the excavation, the CONSULTANT shall remobilize to the site and install one temporary groundwater monitoring well using direct-push technology (DPT) drilling techniques. The shallow-interval temporary monitoring well, which will be constructed of 1.5-inch PVC pipe, including 10 feet of 0.010-inch slotted well screen and five feet of solid PVC riser. The filter pack will be sealed with a layer of bentonite and the remainder of the borehole annular space will be filled with silica sand. The well

casing will be completed with a water tight cap. The total well depth is anticipated to be 15-feet below land surface.

The CONSULTANT shall collect groundwater samples from the newly installed monitoring well. In order to collect samples representative of aquifer conditions, stabilization data including pH, conductivity, turbidity, temperature and dissolved oxygen will be collected during the purging of the monitoring well. The purged water will be spread atop an impervious surface to allow for evaporation. Following stabilization, groundwater samples will be collected into pre-cleaned laboratory- provided glassware, placed on ice and transported to a laboratory for the following analyses:

- VOAs by EPA Method 8260
- PAHs by EPA Method 8270
- TPHs by Method FL-PRO

Following sample collection, the monitoring well will be removed and the bore hole filled with grout. Sampling will be conducted in accordance with FDEP's Standard Operating Procedures (SOPs), as specified in QA Rule Chapter 62-160 FAC. Samples will be transported to a National Environmental Laboratory Accreditation Conference (NELAC) certified laboratory for analysis.

Following receipt of the confirmation soil sample and groundwater results, the CONSULTANT shall remobilize to the site to load the impacted soils into dump trucks, which will transport the materials under manifest to a lined-landfill for final disposal.

This task is estimated at 67 hours and Not to Exceed \$18,892.00

#### **Deliverables**

There are no deliverables anticipated for this task.

#### **Task 3 – Data Interpretation & Report Preparation**

Upon receipt of the field and analytical data collected in Task 2, the CONSULTANT shall prepare a Summary Report in accordance with Chapter 62-762.801 FAC. The Summary Report will include a summary of field activities, assessment results (OVA and laboratory analyses), a site diagram showing sampling locations, the disposal manifests, etc.

Two original copies of the Summary Report will be signed and sealed by a Professional Geologist, and will be delivered to the City of Fort Lauderdale.

This task is estimated at 34 hours and Not to Exceed \$3,310.00

#### **Deliverables**

The CONSULTANT shall provide two Summary Reports signed and sealed by a Professional Geologist to the CITY. In addition, an electronic version in PDF shall be provided to the CITY.

***See Attachment 1 for checklist of items to be included for tasks and deliverables***

#### **PROJECT ASSUMPTIONS**

- The CONSULTANT will not start the work until provided a written Notice to Proceed from the City.
- Working hours at the site will be coordinated with the City.
- The CONSULTANT will not be considered the generator of the impacted soils, but will sign manifests as an authorized agent for the City.
- The CONSULTANT will charge any additional soils excavated beyond 44 tons, and the labor and materials required to remove and dispose of the them, at the unit rates noted within this task order.

**CITY'S RESPONSIBILITIES**

- The City's project manager, or a designated representative, will coordinate the project for the CITY.
- A city inspector will be present to observe the work at the site.
- The City will coordinate access to the site.
- Permit fees if required, will be paid by the City. A three week processing time is required for the City to provide a check for permit fees.

**ADDITIONAL SERVICES**

If authorized in writing by the City as an amendment to this Task Order, the CONSULTANT shall furnish, or obtain from others, Additional Services of the types listed in Exhibit A of the Master Agreement. The City, as indicated in the Master Agreement, will pay for these services. In the event that additional assessment or a remediation plan is required, these additional services may begin with a meeting between CONSULTANT and the City to discuss the findings presented in the Summary Report and the resultant requirements that may have to be met from regulatory agencies.

**PERFORMANCE SCHEDULE**

The CONSULTANT shall perform the services identified in Task 1 through Task 3 inclusive within 15 working days of written Notice to Proceed.

**METHOD OF COMPENSATION**

The services performed shall be accomplished using the Not to Exceed method of compensation. Reimbursable expenses associated with these services are not included in the fees and will be itemized separately, subject to an established Not to Exceed limit. A fee schedule and cost breakdown for reimbursable expenditures is included on Exhibit A.

**TERMS OF COMPENSATION**

Services shall be provided for the following Not to Exceed amounts:

Task No	Task Title	Labor Fees		Total
		Consultant	Sub consultant	
1	Site Assessment	\$1,235	\$	\$1,235
2	Source Removal Field Work	\$5,395	\$	\$5,395
3	Data Interpretation & Report Preparation	\$3,310	\$	\$3,310
All tasks				\$9,940.00
Task No	Description	Equipment and Material Costs		Total
		Consultant	Sub consultant	
1	Site Assessment	\$85	\$	\$85
2	Source Removal Field Work	\$1,440	\$12,057	\$13,497
All Equipment and Material Costs				\$13,582.00
Task No	Description	Reimbursables		Total
		Consultant	Sub consultant	
<b>TOTAL</b>				<b>\$23,522.00</b>

The total number of hours for the project is 113 for CONSULTANT and 0 for sub consultant.

### CITY CONTACTS

Requests for payments should be directed to City of Fort Lauderdale Accounts Payable via e-mail to [AcctsPayble@FortLauderdale.gov](mailto:AcctsPayble@FortLauderdale.gov). All other correspondence and submittals should be directed to the attention of Mr. Todd Hiteshew ([THiteshew@fortlauderdale.gov](mailto:THiteshew@fortlauderdale.gov)) Environmental Services Manager, Public Works Department at the address shown below. **Please be sure that all correspondence refers to the City project number and title as stated above.**

City of Fort Lauderdale  
City Hall, 4th Floor – Public Works Department  
100 North Andrews Avenue  
Fort Lauderdale, FL 33301

### CONSULTANT CONTACTS

The CONSULTANT shall designate a Project Manager to be responsible for all contractual matters and technical matters as they pertain to this task order.

EE&G Environmental Services, LLC  
5751 Miami Lakes Drive  
Miami Lakes, Florida 33014  
Adam Brosius  
[abrosius@eeandg.com](mailto:abrosius@eeandg.com)  
Cell: (305) 710-7014  
Office: (305) 374-8300  
Fax: (305) 374-9004

IN WITNESS OF THE FOREGOING, the parties have set their hands and seals the day and year first above written.

CITY OF FORT LAUDERDALE, a municipal corporation of the State of Florida:

By \_\_\_\_\_  
LEE R. FELDMAN, City Manager

(CORPORATE SEAL)

ATTEST:

\_\_\_\_\_  
JONDA K. JOSEPH, City Clerk

Approved as to form:

\_\_\_\_\_  
CARRIE L. SARVER  
Assistant City Attorney

**CONSULTANT**

WITNESSES:

*Adam Brosius*  
Signature

Adam B. Brosius – EE&G  
Print Name

*Brian Daley*  
Signature

Brian Daley  
Print Name

EE&G Environmental Services, LLC, a Florida  
Limited Liability Company

By: *[Signature]*

Name: Craig Clevenger, P.G.

Title: Manager

ATTEST:

By: *[Signature]*  
Name: Carolyn Bailey

Title: Manager

STATE OF FLORIDA:  
COUNTY OF DADE:

Mr. Craig Clevenger and Ms. Carolyn Bailey as Managers of EE&G Environmental Services, LLC acknowledged the foregoing instrument before me this 25th day of July, 2013, on behalf of the company. They are personally known to me and did not take an oath.

(SEAL)

*[Signature]*  
Notary Public, State of Florida  
(Signature of Notary taking Acknowledgement)

Herminia Moreno  
Name of Notary Typed, Printed or Stamped

My Commission Expires

Commission No.



**EXHIBIT A - - FEE SCHEDULE, REIMBURSABLES AND OTHER COSTS**

**Consultant (in accordance with Master Agreement)**

Labor Category		Fee Schedule										Total Hours	Labor Cost (\$)
		Prof. Geol./Principal		Senior Project Prof.		Staff Prof./Field Scientist		CADD Drafts person		Adm. Asst.			
Percent Utilization		14.5%		36.5%		47%		2%		0 %			
Labor Rate		\$160/hr		\$95/hr		\$75/hr		\$60/hr		\$40/hr			
Task No	Task Title	Hrs	Sub total (\$)	Hrs	Sub total (\$)	Hrs	Sub total (\$)	Hrs	Sub total (\$)	Hrs	Sub total (\$)		
1	Site Assessment	3	480	4	380	5	375					12	1,235
2	Source Removal Field Work	2	320	10	950	55	4,125					67	5,395
3	Data Int. & Report Prep.	4	640	24	2,280	2	150	4	240			34	3,310
<b>Totals</b>		<b>9</b>	<b>1,440</b>	<b>38</b>	<b>3,610</b>	<b>62</b>	<b>4,650</b>	<b>4</b>	<b>240</b>			<b>113</b>	<b>\$9,940.00</b>

**Equipment and Material Costs (in accordance with Master Agreement)**

Task No	Task Description	EE&G Equipment and Material Description	Cost (\$)
1	Site Assessment	Truck Rental/Mileage (1) at \$85 per day	\$85.00
2	Source Removal Field Work	Truck Rental/Mileage (4) at \$85 per day	\$340.00
2	Source Removal Field Work	Miscellaneous Materials (1) at \$500 per day (visquene, barricades, disposables, etc.)	\$500.00
2	Source Removal Field Work	Soil & Groundwater Sampling Equip./PPE.: (3) at \$100 per day	\$300.00
2	Source Removal Field Work	Organic Vapor Analyzer (2) at \$150 per day	\$300.00
<b>Equipment and Material Costs Subtotal</b>			<b>\$1,525.00</b>



**Sub-consultant Costs (in accordance with Master Agreement)**

<b>Task No</b>	<b>Task Description</b>	<b>Sub-consultants' Services</b>	<b>Cost (\$)</b>
2	Source Removal Field Work	Geoprobe Drill at \$1,850 per day <sup>1</sup>	\$1,850.00
		Shallow Well Installation Materials <sup>1</sup>	\$450.00
		Pre-Disposal Analysis – 8 RCRA/VOC/PAH/TPH (3) at \$481 each <sup>2</sup>	\$1,443.00
		Rental of Backhoe & Operator – (1) at \$3,000/wk	\$3,000.00
		T&D of Impacted Soils - 44 tons at \$65/ton <sup>3</sup>	\$2,860.00
		Conf. Soil Samples – VOA/PAH/TPH (6) at \$250 each <sup>2</sup>	\$1,500.00
		Import backfill 44 tons at \$16/ton <sup>4</sup>	\$704.00
		Groundwater Analysis – VOC/PAH/TPH (1) at \$250 each <sup>2</sup>	\$250.00
<b><u>Sub-consultant Costs Subtotal</u></b>			<b>\$12,057.00</b>
<b>Total For Task Order = \$23,522.00</b>			

Notes:

<sup>1</sup> This service will be performed by JAEE Environmental Services, Inc.

<sup>2</sup> This service will be performed by Florida Spectrum Environmental Services, Inc.

<sup>3</sup> This service will be performed by Waste Management Inc. of Florida

<sup>4</sup> Backfill material provided by White Rock Quarries a subsidiary of Vecellio Group Inc., and transported by Soil Tech Distributors, Inc.