

CITY COUNCIL AGENDA

ITEM

2/20/01

REQUESTED COUNCIL MEETING DATE 2/6/07

SUBJECT: Diesel Spill

DEPARTMENT: Finance

RECOMMENDED MOTION:

Approve the proposal received from Good Environmental to proceed with the Limited Site Assessment in the amount of \$20,650.00.

SUMMARY:

Good Environmental was acquired to immediately assist the City with the Diesel spill containment at Fire Station # 4. They have already performed the excavation, transportation and disposal of approximately 75 tons of soil at a cost of \$32,500, which fell under emergency conditions (see attached). Being already mobilized at the site, familiar with the event and the immediate need for site assessment, they were asked to submit a proposal for the Limited Site Assessment. The proposal for this assessment is estimated at \$20,650 (see attached). Further, depending on the results obtained from the assessment a remedial action plan (RAP) will have to be prepared. The cost for the RAP is estimated at an additional \$4,500. At that point in time the RAP will be bid out along with the additional corrective action outlined. Staff recommends waiver of bid procedure and approval of Good Environmental for an amount not to exceed \$20,650.

Funding for this action is coming from 504-1000-580-4520.

ATTACHMENTS: [] Ordinance	[] Resolution [] Budget R	Resolution
[X] Other [] Support Document Office	ts/Contracts Available for Review	in Manager's
DEPARTMENT HEAD	John A. Shelley Finance Director	Date
FINANCE DEPARTMENT	Approved as to Budget Requirements	Date /6/07
CITY ATTORNEY	Approved as to Form and Legality	Date
CITY MANAGER KUL	Approved Agenda Item For:	2/20/01

COUNCIL ACTION:

[] Approved as Recommended
[] Continued to Date Certain

[] Disapproved [] Tabled [] Approved with Modification:

MEMORANDUM

Date:

February 2, 2007

To:

John Shelley, Finance Director

From:

Bob Newell, Risk Manager

Subject:

Diesel Discharge at Fire Station #4

References:

Good Environmental Services, Inc. letters dated February 2, 2007:

SUMMARY OF ENVIRONMENTAL SERVICES and PROPOSAL FOR

LIMITED SITE ASSESSMENT

Contracted Services

Good Environmental Services, Inc. was contracted immediately following the discovery of the discharge of diesel furl at Fire Station #4 to perform the Interim Source Removal. The scope of this work included the excavation, transportation and disposal of approximately 75 tons of soil. As of today, the work is complete except for the installation of sod in the impacted area. The contracted cost of these services is \$32,500 however an adjustment may result for: (1) actual tonnage of soil disposed and (2) credit for not removing concrete curbing.

Bill Good's correspondence describes the future work that needs to be performed. These future work activities are:

Site Assessment Remedial Action Plan Active Remediation Post Active Remediation Monitoring

Of particular note, the Site Assessment must commence within 30 days of the discovery of contamination. In our case, the date of discovery was January 23, 2007.

Recommendation

I am recommending that we direct Good Environmental Services, Inc. to immediately commence work on the Site Assessment according the scope of services in Bill Good's letter dated 2/2/07 for a total cost of \$20,650. Because of Bill Good's familiarity with work services performed and the Site Assessment, it is preferred that Good Environmental Services, Inc. provide a proposal for the Remedial Action Plan and that he commence this work.

Status of Insurance Claim Actions

Notices of a potential claim were given to Brown & Brown, Inc. and Liberty International Underwriters, insurer for the City's Pollution Legal Liability Policy. The Pollution Liability policy provides \$1 Million coverage for clean-up costs resulting from a pollution condition subject to a \$25,000 deductible.



February 2, 2007

Mr. Robert Newell The City of Port Orange 1000 City Center Circle Port Orange, Florida 32129

Reference:

SUMMARY OF ENVIRONMENTAL SERVICES

Fire Station # 4, Airport Road,

Port Orange, Volusia County, Florida

Dear Mr. Newell:

Good Environmental Solutions, Incorporated (GES) is pleased to provide a Summary of the work completed and proposed scope of services for future assessment, remediaton, and post monitoring.

WORK IN PROGRESS

Interim Source Removal

(approx: \$ 32,000.00)

GES supervised the excavation, transportation, and disposal of impacted soil in the assessable areas of the petroleum discharge. Soil was not excavated below the water table, beneath petroleum tanks, dispensers, generator, building, or parking areas. Five roll-off containers (appro. 15 tons each) were removed from the subject property and transported for proper disposable. GES installed one groundwater well, collected one groundwater laboratory sample, collected OVA field samples, and collected three soil laboratory analytical samples. GES will prepare a Interim Source Removal Report documenting the work completed.

<u>Purpose:</u> Limited scope of remediation of contamination to be conducted prior to completion of the site assessment and preparation of a Remedial Action Plan (RAP). This is a useful option as it allows the amount of migration of contamination associated with the recent discharge to be reduced, which may reduce liability, health risks, and overall cleanup cost.

WORK PROPOSED					
Site Assessment (approx. \$20,000.00)	GES proposes installing ten shallow monitoring wells, one deep well, and conduct soil sampling and analysis at this facility. Investigations will also be conducted within the fire station structure.				
	<u>Purpose:</u> Within 30 days of discovery of contamination, the responsible party shall initiate a site assessment (SA). The purpose of the SA is to determine the vertical and horizontal extent of soil and groundwater contamination, determine the site geology, groundwater flow systems, and levels of impact. Must be completed before RAP.				
Remedial Action Plan (approx. \$5,000.00)	Within 90 days of approval of a Site Assessment Report, the responsible party shall submit to the Florida Department of Environmental Protection (FDEP) local program for review of a Remedial Action Plan. The RAP shall provide a design that addresses cleanup of all soil, sediment, groundwater, or surface water found to be contaminated.				
Active Remediation (Unknown until RAP Completed)	Pilot study. Completion of RAP recommendations.				
Post Active Remediation Monitoring (Unknown until Active Remediation competed)	Groundwater monitoring shall be performed following the completion of active groundwater remediation or soil remediation, unless the FDEP local office agrees that groundwater sampling is unnecessary and the site meets the "No Futher Action" criteria.				
No Further Action	Site meets criteria for "No Further Action" (no additional assessment, monitoring, or remediation needed)				

GES greatly appreciates providing our services to you on this project. Please feel free to call me at (386) 760-1208 with any questions or comments.

Respectfully submitted,

Good Environmental Solutions, Inc.

Bill W. Good, P.G.

Professional Geologist



February 2, 2007

Mr. Robert Newell The City of Port Orange 1000 City Center Circle Port Orange, Florida 32129

Reference:

PROPOSAL FOR LIMITED SITE ASSESSMENT

Fire Station # 4

Airport Road, Port Orange, Volusia County, Florida

GES Proposal No. 2007G-015

Dear Mr. Newell:

Good Environmental Solutions, Incorporated (GES) is pleased to provide our cost estimate to complete the Limited Site Assessment for the referenced property. The purpose of this investigation is to evaluate the extent of petroleum contamination in the subject property's soil and groundwater.

SCOPE OF WORK

GES proposes to complete the following scope of work as part of this investigation:

- GES will install ten shallow groundwater monitor wells (10 wells @ 13 feet) and one deep groundwater monitor well (1 well @ 30 feet) with filter packs. The wells will be installed with a truck mounted drilling rig with filter pack. One groundwater well will be installed in the interior of the fire station (by stainless steel hand auger). All wells will include man-hole covers. According to the Volusia County Health Department (VCHD) all monitoring wells must be permitted.
- GES will collect groundwater samples from the newly installed monitor wells.
 The groundwater samples will be collected in accordance with Florida Department of Environmental Protection (FDEP) protocol;
- GES will submit the groundwater samples to an FDEP approved laboratory where they will be analyzed by Environmental Protection Agency (EPA) Method 8260, 8270, Fl-Pro, and Total Lead in accordance with FDEP Chapter 62-770 FAC, "Petroleum Contamination Site Cleanup Criteria".

- GES will conduct approximately 25 soil borings throughout the impacted area, including the interior of the fire station (25 borings @ 6 feet).
- GES will collect soil samples from each boring location for screening in the field using an Organic Vapor Analyzer (OVA). The OVA is useful for detecting petroleum vapors in the headspace of a soil sample container to a lower limit of one part per million (ppm).
- GES will collect three soil analytical samples. GES will submit the soil samples to a FDEP approved laboratory where they will be analyzed for the kerosene analytical group by EPA Method 8260, 8270, and FI-Pro.
- GES will prepare a Limited Site Assessment report including the following:

A summary of the site history and operations, USGS map, vicinity map including pertinent features such as: local drainage features, land cover, property boundaries, supply wells and potential off site sources of petroleum products.

Scaled site maps to show all pertinent surface and subsurface features: tanks, integral piping, dispensers, monitoring wells, buildings, land covers, streets, utilities, storm water drains, etc.

Details on the previous interim source removal, scaled maps showing areas of excavation, description of site stratigraphy, scaled map summarizing field screening data and laboratory analysis, copies of laboratory results, well completion logs, field data sheets, calibration logs,

SCHEDULE

GES can mobilize to the site within one week of receiving authorization. Our laboratory costs are based upon a standard turn-around-time of 7 working days. Therefore, we anticipate four to six weeks for project completion and report submittal.

PROPOSAL

GES proposes to conduct the Limited Site Assessment in accordance with our General Conditions and the attached cost estimate (Exhibit I). If acceptable, please sign one copy of the attached Work Authorization/Proposal Acceptance Form and return it to our office.

Please note this proposal is presented in a phased approach and the strategy behind each task is based upon the anticipated results of the preceding tasks. If the results are greatly different than anticipated, we may revise our approach as the project progresses. If this occurs, we will meet with you to discuss any changes in scope.



EXHIBIT 1

Scope of Services Fire Station #4, Airport Rd. Port Orange, Florida GES Proposal No. 2007G-015

TAGU	OHANTEN		COST DED LINE	TOTAL 202
TASK	QUANTITY	UNIT	COST PER UNIT	TOTAL COST
FIELD WORK	<u> </u>		1	
Monitor Well Installation				
Drill Rig Mobilization	1	l.s.	\$270.00	\$270.00
Shallow monitor Wells w/filter pack (10@ 13')	130	feet	\$34.00	\$4,420.00
Deep monitor Wells w/filter pack (1@ 30')	30	feet	\$34.00	\$1,020.00
2' X 2' Concrete Pads With 8" Manhole Covers	11	each	\$200.00	\$2,200.00
Equipment Decontamination	5	hours	\$75.00	\$375.00
Well Development/ Well Permits	5	hours	\$45.00	\$225.00
Field Technician	15	hours	\$55.00	\$825.00
Soil and Groundwater Sampling, Monitor well Survey				
OVA Rental	1	each	\$255.00	\$255.00
Top of Casing Survey	1	ls	\$ 350.00	\$350.00
Field Technician	25	hours	\$55.00	\$1,375.00
Core Machine	1	each	\$200.00	\$200.00
Project Geologist	4	hours	\$65.00	\$260.00
LABORATORY ANALYSIS (Kerosene Analytical G	roup)			
Groundwater & Soil				
EPA Method 8270	13	each	\$190.00	\$2,470.00
EPA Method 8260 (BTEX, MTBE only)	13	each	\$100.00	\$1,300.00
Fi-Pro	13	each	\$90.00	\$1,170.00
Total Lead / EDB	13	each	\$125.00	\$1,625.00
REPORT PREPARATION				··-
Professional Engineer/Geologist	6	hours	\$85.00	\$510.00
Project Geologist	20	hours	\$65.00	\$1,300.00
CADD Draftsman	10	hours	\$35.00	\$350.00
Technical Secretary	5	hours	\$30.00	\$150.00
			Total:	\$20,650 Osm

GES greatly appreciates providing our services to you on this project. Please feel free to call me at (386) 760-1208 with any questions or comments.

Respectfully submitted,

Good Environmental Solutions, Inc.

Chuck Brogdon Project Geologist Bill W. Good, P.G. Professional Geologist

