

PUBLIC NOTICE
 AGENDA
 PROFESSIONAL SERVICES EVALUATION COMMITTEE MEETING
 Thursday, January 31, 2019, 10:00 a.m.
 Eighth Floor, Conference Room 851
 Jacksonville, FL 32202

Committee Members: Gregory Pease, Chairman
 Randall Barnes, Treasury
 Jeff Close, OGC

Subcommittee Members	ITEM #	TITLE & ACTION	MOTION	CONTR EXP	OUTCOME
Tammy Emmons Sarah Ladino	P-07-15	Contract Amendment No. 5 Consultant Services for the Development/Administration & Grading of Promotional Examinations Employee Services Department	That Contract No. 9482-01 between the City of Jacksonville and Ergometrics, originally executed May 22, 2015, for the Development/Administration & Grading of Promotional Examinations is amended to: exercise the fourth and final renewal option extending the period of service from April 1, 2019 to March 31, 2020. The maximum indebtedness shall remain a not-to-exceed amount of \$292,000.00. All other terms and conditions, as previously amended, shall remain the same except for such changes as the Office of General Counsel may deem appropriate to ensure compliance with the City's ordinances, Procurement policies and procedures and applicable federal and state laws.	03/31/19	
Jeff Foster Will Williams	P-30-07	Contract Amendment No. 17 Program Director for Contaminated Site Remediation Department of Public Works/Solid Waste Division	That Contract No. 6398-18 between the City of Jacksonville and England-Thims and Miller, Inc., as Program Director for Contaminated Site Remediation, be amended to: (i) incorporate the attached Scope of Services identified as Exhibit 'GG' and Contract Fee Summary identified as Exhibit 'HH'; (ii) increase the amount for Program Management and Completion Reports by \$518,471.21; QA/QC Confirmation Sampling for the Additional Parcels by \$8,490.00; and the Borrow Pit Soil Sampling and Laborator Analysis by \$93,763.00 to a new total of \$620,724.22 as identified in Exhibit "HH"; and (iii) increase the maximum indebtedness to the City by \$620,724.22 to a new not to exceed total maximum indebtedness of \$39,870,459.15. All other terms and conditions, as previously amended, shall remain the same except for such changes as the Office of General Counsel may deem appropriate to ensure compliance with the City's ordinances, Procurement policies and procedures and applicable federal and state laws.		

MEETING ADJOURNED:

CC: Council Auditor
 Subcommittee Members



City of Jacksonville, Florida

Lenny Curry, Mayor

Employee Services Department
117 West Duval Street, Suite 100
Jacksonville, Florida 32202

ONE CITY. ONE JACKSONVILLE.

Date: January 22, 2019

MEMORANDUM

To: Gregory W. Pease, Chairman
Professional Services Evaluation Committee

From: Tammy Emmons, Manager of Personnel Services
Employee Services Department 

Subject: P-07-15 Consultant Services for the Development/Administration, &
Grading of Promotional Examinations – Contract Amendment No. 5
JFRD Contract #9482-01

Contract #9482-01 between the City and Ergometrics is set to expire March 31, 2019. All work has been performed satisfactorily for the past year. Section 1.2 of the contract allows for four, one-year renewal options. Therefore, we wish to extend the contract for the 4th of the one year renewals. There is no rate increase associated with this amendment; all rates will remain the same.

Accordingly, this is to recommend that Contract #9482-01, originally executed May 22, 2015 between the City of Jacksonville and Ergometrics, for Development, Administration & Grading of Promotional Examinations, be amended to exercise the fourth of four (4) renewal options to extend the Period of Service from April 1, 2019 to March 31, 2020. All other terms and conditions of the Contract shall remain the same.

TE/

Attachments: Ergometrics agreement letter



ERGOMETRICS & APPLIED PERSONNEL RESEARCH, INC.
18720 33RD AVENUE WEST
LYNNWOOD, WA 98037

January 16, 2019

City of Jacksonville
Employee Services Department
117 W. Duval Street, Suite M175
Attn: Tammy Emmons
Manager of Personnel Services - Examining and Training

Re: Contract Extension 4 of 4 - Consultant Services for Dev/Administration, & Grading of Promotional Examinations

To Whom it May Concern:

Ergometrics and Applied Personnel Research, Inc. hereby agrees to a one (1) year extension to the above referenced contract (from April 1, 2019 to March 31, 2020); all provisions, terms and conditions of said agreement will remain the same.

Sincerely,

A handwritten signature in black ink, appearing to be "Carl Swander", written in a cursive style.

Carl Swander, Ph.D.
President



City of Jacksonville, Florida

Lenny Curry, Mayor

Department of Public Works
Solid Waste Division
1031 Superior Street
Jacksonville, FL 32254
(904) 255-7500
www.coj.net

ONE CITY. ONE JACKSONVILLE.

TO: Greg Pease, Chief, Procurement Division

THRU: John Pappas, P.E., Director, Department of Public Works

FROM: Jeffrey S. Foster, P.G., Solid Waste Environmental Engineering Manager
Will Williams, Chief, Solid Waste Division

DATE: January 25, 2019

SUBJECT: Amendment No. 17 – Program Director for Contaminated Site Remediation
City Contract No. 6398-18, RFP No. P-30-07

01/28/19 12:05:10
Procurement Division

As part of the continuing remediation activities under Project New Ground, ETM is currently working on the engineering and quality control and program management for the active remediation project called 5th and Cleveland Part 7. Approximately 25-40 new parcels including confirmation sampling need to be added to ETM's engineering oversight of the remediation construction since additional access agreements have been obtained. Also included in the scope of work is new borrow pit sampling that will certify all of the remaining soils as "certified clean backfill" for completion of the ash remediation program including upcoming work for Lonnie Miller Park, Forest Street Laydown Area and the Lonnie Miller Mission Parcel. Additional work tasks and fee summary in Amendment #17 are needed to complete the project. The project and program end date remains September 30, 2019.

Accordingly, the Solid Waste Division recommends that the contract, between the City and England-Thims and Miller, Inc. for Program Director for contaminated Site Remediation, is amended to (i) incorporate the Attached Scope of Services identified as Exhibit "GG"; and (ii) incorporating the attached Contract Fee Summary Form identified as Exhibit "HH"; by increasing the amount for Program Management and completion reports by \$518,471.21, QA/QC confirmation sampling for the additional parcels by \$8,490.00 and the borrow pit soil sampling and laboratory analysis by \$93,763.00 to a new total of \$620,724.22 as identified in Exhibit "HH"; and increase the maximum indebtedness to the City not-to-exceed total maximum indebtedness of \$39,870,459.15. All other terms and conditions, as previously amended, shall remain the same. Nothing contained herein shall be amended, modified, or otherwise revised without prior approval from PSEC and the Mayor.

Sufficient funding is available in PWCP32EVP519 ERR002 01 069505. Please notify the Solid Waste Division when this item will be placed on the agenda so a representative of Solid Waste can attend.

CC: Nickii Brookins, SWD
Ann Brackin, DPW

ab

EXHIBIT "GG"

SCOPE OF SERVICES

ASH SITE REMEDIATION

1.0 BACKGROUND

England, Thims & Miller, Inc. (ETM) has a Contract (Architectural/Engineering Services as Program Director for Contaminated Site Remediation) with the City of Jacksonville (the City) to serve as the City's Program Director for the remediation of ash contaminated sites within the City. The focus of the remediation efforts has been the four EPA-jurisdictional sites that have Records of Decision (RODs), i.e. Brown's Dump Site, 5th and Cleveland Incinerator Site, Forest Street Incinerator Site, and Lonnie Miller Park Site.

All four EPA-jurisdictional sites have undergone remediation and to date, approx. 1,650 parcels have been remediated. Remediation activities are anticipated through 2019 including 5th and Cleveland Incinerator Site - Part 7A and the remaining (Remnant) parcels within the Sites.

The current Contract is scheduled to expire on September 30, 2019 for this on-going remediation work which is being conducted by the City- and EPA-approved DB Firms.

The scope of this Amendment is to provide continued Program Director services as required by the Consent Decree and contemplated under the original contract. These services include:

- Construction Administration & Observation Services
- Completion Report Services
- Parcel Sampling
- Soil Stockpile Sampling
- City Borrow Pit Sampling

This amendment is for the continued remedial activities for the following:

- Fifth & Cleveland Parcel Remediation – Part 7A (25 to 40 additional parcels)
- Fifth & Cleveland Parcel Remediation– Part 7A Add Alternate (6 USNR parcels)

ETM will be assisted by its Team subconsultants; Aerostar Environmental Services (Aerostar) (JSEB), and CSI (JSEB) in the day-to-day construction observation and confirmation sampling activities for the EPA ash sites.

2.0 CONSTRUCTION ADMINISTRATION AND OBSERVATION (Task 1)

ETM will provide Construction Administration and Observation Services for FC Part 7A including 25 to 40 additional parcels (based upon receipt of access agreements) and the six USNR parcels. These services shall include Pre-Construction Administration services with the City and DB Firms in preparation for the remediation/construction as well as Construction Administration services during the remediation/construction to observe and document the remediation/construction.

ETM will be assisted by Team Subcontractors, Aerostar (JSEB) and CSI (JSEB) in confirmation sampling activities and density testing as well as TestAmerica for laboratory analyses.

Construction Administration Services are provided only during construction/remediation activities. The Construction Administration Services are detailed below and include confirmation sampling during construction as well as laboratory analysis and data validation for the confirmatory sampling.

This work will be provided on a Lump Sum basis assuming a 5-month schedule for FC Part 7A – 25 to 40 additional parcels and 6 USNR parcels. These schedules will run concurrently with the existing Program Management schedule thru September 30, 2019. If these schedules are exceeded, additional funds may be required.

2.1 GENERAL CONSTRUCTION ADMINISTRATION SERVICES

ETM will provide Construction Administration Services. This will include attending meetings throughout the duration of the site construction work. The project meetings shall include, but are not limited to, pre-construction meetings, weekly progress meetings, problem or work deficiency meetings and quality control meetings. In addition, Field Construction Inspectors shall attend the daily meetings conducted by the DB Firms.

2.2 PRE-CONSTRUCTION ADMINISTRATION SERVICES

2.2.1 Pre-Construction Survey and Final Design Review

Prior to the start of work on each individual parcel, the DB Firm must perform a Pre-Construction Survey with ETM, the City's Public Outreach Consultant and the property owner. During the Survey, the DB Firm will take photographs and video to document existing conditions of building foundations, paved areas, etc. Following the Survey, the DB Firm will prepare and submit the Site Property Plan, which includes the property owner's requests/agreements, as well as utility locates and exiting elevations. ETM shall attend each Pre-Construction Survey and review/approve each Site Property Plan.

EXHIBIT 'GG'

2.2.2 Operational Readiness Reviews

Prior to initiating construction and periodically thereafter, the DB Firm must complete operational readiness reviews. The purpose of an operational readiness review is to examine a checklist of construction activities to ensure that the materials and manpower required are in place to ensure a quick and efficient completion of each parcel remediation. The checklist will include staging area readiness, truck availability, clean fill availability, landscaping materials availability and manpower availability. The construction will not be allowed begin until everything on the checklist is readily available. ETM will review these reports with the objective of completing construction as rapidly as possible to minimize disruption to the property owner/tenant and minimize delays.

2.2.3 Requests for Information and Change Order Requests

When information or direction is necessary, the DB Firm shall submit requests for information (RFIs) in writing to ETM to document a specific problem, question, or concern. ETM will coordinate a written response with the City. The DB Firm is also required for change order requests to submit in writing, along with an estimate of the cost of the change, any notice of change in the scope of work prior to initiating the change. ETM will coordinate a written response with the City.

2.3 CONSTRUCTION ADMINISTRATION SERVICES

2.3.1 Construction Observation

ETM will provide periodic Construction Observation services at the sites. ETM will provide a Lead Field Construction Inspector, a City Liaison Construction Inspector (when required), and a Field Construction Inspector for the sites.

During the execution of the work, Construction Inspectors are responsible for maintaining a field activity summary for each parcel, which describes the work performed and quantities of contaminated materials removed.

2.3.2 Sampling and Laboratory Analyses

ETM Team Subcontractor, Aerostar (JSEB) will provide independent soil sampling, including confirmation sampling and TCLP sampling of excavated soil stockpiles for the sites. All laboratory analyses associated with the sampling efforts will be conducted by TestAmerica. This work will include independent data validation of TestAmerica's laboratory results. These critical sampling activities will remain independent of the DB Firms conducting the actual remediation to ensure the integrity of the sampling efforts and avoid the appearance of conflict of interest of the DB Firms. This work shall include servicing, inspection, and re-calibration of three Thermofisher XRF machines to be utilized in the confirmation sampling effort.

Exhibit 'GG'

2.3.3 Density Testing

ETM Team Subcontractor, CSI (JSEB) will provide independent density testing of compacted soil backfill at the sites. This work includes sampling and testing of the backfill material (modified proctor test) for each site as well as the density testing to ensure that the backfill is placed in accordance with the project specifications. This critical testing activity will remain independent of the DB Firms conducting the actual remediation to ensure the integrity of the sampling efforts and avoid the appearance of conflict of interest of the DB Firms.

2.4 POST-CONSTRUCTION ADMINISTRATION SERVICES

2.4.1 Post-Construction Survey

After each individual parcel is remediated, the DB Firm must perform a Post-Construction Survey with ETM, the City's Public Outreach Consultant and the property owner. The DB Firm must obtain the signature of the property owner that the work has been completed in accordance with the project specifications and the Site Property Plan. ETM will attend each Post-Construction Survey and inspect any additional work required.

3.0 Completion Report Services (Task 2)

ETM will prepare a Completion Report for each parcel that has been remediated. This report shall include the following:

- The Remediation Summary
- A copy of the Access Agreement with the Property Owner
- The Preliminary Design
- The Construction Survey Checklist
- The Site Property Plan
- The Construction and Photo Documentation
- The Contractor's Completion Report
- The Confirmation Sampling Plan (with Sampling Data) & Density Test Report
- The Institution Control Plan
- The Laboratory Report (if any)
- Truck Manifest Reports

The Completion Reports will be prepared sufficient for direct submittal to the EPA.

4.0 City Borrow Pit Sampling and Analyses (Task 3)

Aerostar (JSEB) will perform the sampling and analyses of the City Borrow Pit per the attached December 11, 2018 proposal. The City Borrow Pit Testing is based on the EPA-approved Clean Borrow Sand Sampling and Analysis Plan and Quality Assurance Project Plan; Revision 1 dated May 30, 2008. The sampling shall include three sampling increments for a total of 11 borings and 55 samples for approximately 165,000 cubic yards of clean fill at a total lump sum price increments of \$93763.00.

5.0 Contract Fund Reallocation

This Amendment includes reallocation of existing contract funds from the Construction Administration Services for areas that remediation activities have been completed, so those resources may be reallocated towards additional sampling and design activities in both OU-1 and OU-2 Areas due to the accumulation of new access agreements.

Specifically, this amendment reallocates the contract funds as follows:

5.1 OU-2 Sampling and Reporting

Additional sampling activities as originally contemplated under Amendment #3 are required. This increased sampling and reporting requirement resulted from the accumulation of additional access agreements that have been secured by the City. Funding provided for OU-2 sampling and reporting in accordance with Amendment #3 will be increased by \$39,000.

5.2 OU-1 Sampling and Reporting

Additional sampling and design activities as originally contemplated under Amendments #4 and #12 are required. This increased sampling, reporting and design requirement resulted from the accumulation of additional access agreements that have been secured by the City. Funding provided for OU-1 sampling, reporting and design in accordance with Amendments #4 and #12 will be increased by \$91,490.

5.3 Phase 2 Construction Program Management and Construction Administration

Remediation activities have been completed on areas within the project sites, so the associated construction administration services supporting those remediation efforts for those areas is no longer required or can be reduced. As such, funding provided for Construction Program Management and Construction Administration Services will be reduced by \$122,000.

This Contract Funds reallocation has a net increase of \$8,490.00 (Add \$39,000, Add \$91,490 and Reduce \$122,000).

6.0 TASK FEE SUMMARY AND BASIC ASSUMPTIONS

The following assumptions were made in developing our scope and cost estimate:

- ETM has developed these costs based on per month or per parcel pricing as requested.
- Construction Completion Reports are based upon a Lump Sum price assuming 25 - 40 additional parcels for FC Part 7A and 6 additional parcels for USNR parcels. If there more parcels, additional funds may be required.
- The additional 25 -40 parcels for FC Part 7A will include approximately 30,000 cubic yards of contaminated soil and a schedule of 5 additional months is anticipated. If this schedule is exceeded, additional funds may be required.

Task Fee Summary

FC Part 7A – Additional 25 - 40 Parcels (Table 1)

Task 1a – 1c - Construction Admin. & Observation - Lump Sum

Construction Admin. & Observation including density testing and expenses \$275,977.80
TestAmerica Laboratory Analyses (confirmation samples and TCLP)\$31,499.00
Aerostar Confirmation Sampling and Data Validation\$151,345.00
Total Lump Sum \$458,821.80

Task 4a – Completion Reports - Lump Sum

FC Part 7A – Additional 25 - 40 Parcels

Completion Reports for Additional FC Part 7 parcels \$59,649.41
Total Lump Sum . \$59,649.41

Table 1 Total \$518,471.21

City Borrow Pit Sampling and Analyses (Table 2)

Task 4 – Lump Sum (Aerostar Proposal)

FC Remaining Parcels and McCoy's Creek Project

Soil Boring Advancement, Soil Screening, and Sample Collection\$6,125.00
Laboratory Analyses (15 samples)\$17,142.00
Report Preparation\$2,115.00
Sub-total\$25,382.00

FS Park/Staging Area

Soil Boring Advancement, Soil Screening, and Sample Collection\$6,125.00
Laboratory Analyses (15 samples)\$17,142.00
Report Preparation\$2,115.00
Sub-total\$25,382.00

LM Park

Soil Boring Advancement, Soil Screening, and Sample Collection\$10,906.00
Laboratory Analyses (25 samples)\$29,593.00
Report Preparation\$2,500.00
Sub-total\$42,999.00

Table 2 Total \$93,763.00

OU-1 Parcel Sampling, Analyses and Designs (Table 3)

Task 5 – Lump Sum per Parcel)

OU-1 Sampling, Analyses and Design (Table 5) Lump Sum \$8,490.00

Table 3 Total \$8,490.00

Amendment Fee Total (Tables 1, 2, and 3) \$620,724.22

EXHIBIT 'H H'

EXHIBIT "HH"
CONTRACT FEE SUMMARY
CITY OF JACKSONVILLE, FLORIDA

PART I - GENERAL					
1. Project Overall Program Director for Contaminated Site Remediation			2. Proposal Number P-30-07 (Amendment #17)		
3. Name of Consultant England-Thims & Miller, Inc. Contract #6398-18			4. Date of Proposal 12/10/18		
PART II - LABOR RELATED COSTS					
5. Direct Labor	Hourly Rates		Estimated Hours	Estimated Cost	TOTAL
	Original	Reduced			
Principal	\$ 74.52	\$ 73.03	14	\$ 1,022.42	
Program Director	\$ 74.52	\$ 73.03	100	\$ 7,303.00	
Senior Engineer	\$ 47.58	\$ 46.63	500	\$ 23,315.00	
GIS Administrator	\$ 40.99	\$ 40.17	0	\$ 0.00	
GIS Programmer	\$ 33.13	\$ 32.47	150	\$ 4,870.50	
Lead Construction Inspector	\$ 33.59	\$ 32.92	1445	\$ 47,569.40	
Construction Inspector	\$ 27.39	\$ 26.84	870	\$ 23,350.80	
Cad Technician/GIS Analyst	\$ 22.04	\$ 21.60	170	\$ 3,672.00	
Administrative	\$ 21.73	\$ 21.30	215	\$ 4,579.50	
TOTAL DIRECT LABOR			3,464		\$ 115,682.62
6. Overhead (Combined Fringe Benefit & Administrative)			Overhead Rate		
			150 % x Total Direct Labor		\$ 173,523.93
7. SUBTOTAL: Labor + Overhead (Items 5 & 6)					\$ 289,206.55
8. PROFIT: Labor Related Costs (Item 7)			x	10%	\$ 28,920.67
TOTAL LABOR (Items 5, 6, 7 and 8)					\$ 318,127.22
PART III - OTHER COSTS					
9. Miscellaneous Direct Costs					
Expenses (Density Testing)				(Table 1)	\$5,000.00
Expenses (Vehicles, Mileage and Telephone)				(Table 1)	\$10,500.00
Completion Report Expenses (Reproduction, printing, shipping, deliveries, etc.)				(Table 1)	\$2,000.00
OU-1 Sampling, Analyses and Design (see Table 4)				(Table 3)	\$8,490.00
MISCELLANEOUS DIRECT COSTS SUB-TOTAL					\$25,990.00
10. SUBCONTRACTS (Lump Sum)					
Test America Laboratory Analyses				(Table 1)	\$31,499.00
Aerostar Confirmation Sampling and Data Validation				(Table 1)	\$151,345.00
Aerostar Borrow Pit Sampling and Analyses				(Table 2)	\$93,763.00
SUB-CONTRACT SUB-TOTAL					\$276,607.00
TOTAL LUMP SUM AMOUNT (Items 5, 6, 8, 9 and 10)					\$ 620,724.22
11. Reimbursable Costs - Limiting Amount					
SUB-TOTAL REIMBURSABLES					\$ -
PART IV - SUMMARY					
TOTAL AMOUNT OF AMENDMENT #17 (Lump Sum Plus Reimbursables)					\$ 620,724.22
12. PRIOR CONTRACT AMOUNT (Through Amendment #16)					\$39,249,734.93
AMENDED AMOUNT OF CONTRACT					\$39,870,459.15

EXHIBIT 'HH'

Table 1
Ash Site Remediation
FC Part 7A Parcels - 25 Additional Parcels Plus 6 USNR Parcels

CONSULTANT: England-Thlms & Miller, Inc. RFP NO: P-30-07 (Amendment #17) CONTRACT NO: #6399-1B		NAME OF PROJECT: Overall Program Director for Contaminated Site Remediation																					
TASK	ACTIVITY	Principal		Program Director		Senior Engineer		GIS Programmer		Lead Construction Inspector		Construction Inspector		GIS Analyst / CAD Technician		Administrative Assistant		Expenses	TOTAL				
		MAN HOURS	LABOR COST	MAN HOURS	LABOR COST	MAN HOURS	LABOR COST	MAN HOURS	LABOR COST	MAN HOURS	LABOR COST	MAN HOURS	LABOR COST	MAN HOURS	LABOR COST	MAN HOURS	LABOR COST		MAN HOURS	LABOR COST	MAN HOURS BY ACTIVITY	SALARY COST BY ACTIVITY	
1a	FC Part 7A (Per Month)																						
	Construction Administration	1	\$73.03	8	\$584.24	60	\$2,797.80	10	\$324.70	16	\$526.72			22	\$475.20	18	\$383.40			135	\$5,165.09		
	Pre-Construction Submittal Review																						
	Attend Weekly Meetings																						
	Prepare Cadd Files and Conf. Sampling Plans																						
	Pay Request and Change Order Reviews																						
	Stockpile TCLP Reviews/Coordination																						
	As-Builts Review																						
	Construction Observation	1	\$73.03							268	\$8,822.56	174	\$4,670.16					10	\$213.00			453	\$13,778.75
	Density Testing																		\$1,000.00			\$1,000.00	
	Expenses (Vehicles, Mileage, Density and Telephone)																		\$2,100.00			\$2,100.00	
	Total Monthly Lump Sum Cost	2	\$146.06	8	\$584.24	60	\$2,797.80	10	\$324.70	284	\$9,349.28	174	\$4,670.16	22	\$475.20	26	\$596.40			\$3,100.00	588	\$27,043.84	
	Total Estimated Time to Complete - 5 Months																						
	Total Estimated Lump Sum Cost	10	\$730.30	40	\$2,921.20	300	\$13,983.00	50	\$1,623.50	1420	\$46,746.40	870	\$23,350.80	110	\$2,376.00	140	\$2,982.00			\$15,500.00	2940	\$110,219.20	
1b	Aerostar Confirmation Sampling and Data Validation (assuming 5 months of confirmation sampling and administration @ \$28,950 per month and \$6,595 for data validation of 31 parcels)																			\$151,345.00		\$151,345.00	
1c	TestAmerica Laboratory Analyses (Laboratory analyses associated with 40 parcel plus 30,000 cubic yards of contaminated soil)																			\$31,499.00		\$31,499.00	
2a	Completion Reports for FC Part 7A	4	\$292.12	60	\$4,381.80	200	\$9,328.00	100	\$3,247.00	25	\$823.00			60	\$1,296.00	75	\$1,597.50			\$2,000.00	524	\$22,963.42	
	Prepare Completion Report Update																						
	Prepare Summary Reports																						
	Prepare Confirmation Sampling Plans																						
	Prepare Institution Control Plans																						
	Compile Individual Completion Reports																						
	Compile Laboratory Data																						
	Compile TCLP Data																						
	Compile Daily Reports																						
	EPA DART Preparation and Submittal																						
	TOTAL LUMP SUM COST	14	\$1,022.42	100	\$7,303.00	500	\$23,315.00	150	\$4,870.50	1445	\$47,569.40	870	\$23,350.80	170	\$3,672.00	215	\$4,579.50			\$20,344.00	3464	\$316,076.62	

Total = (Unburdened Rate + 150% Overhead + 10% Profit) + Expenses = \$518,471.21

Table 2
Borrow Pit Sampling and Analyses
City Borrow Pit
(Aerostar Environmental Services, Inc.)

FC Remaining Parcels and McCoys Creek Project (45,000 CY)	
Soil Boring Advancement, Soil Screening, and Sample Collection	\$6,125.00
Laboratory Analyses (15 samples)	\$17,142.00
Report Preparation	<u>\$2,115.00</u>
Sub-total	\$25,382.00
FS Park/Staging Area (45,000 CY)	
Soil Boring Advancement, Soil Screening, and Sample Collection	\$6,125.00
Laboratory Analyses (15 samples)	\$17,142.00
Report Preparation	<u>\$2,115.00</u>
Sub-total	\$25,382.00
Lonnie Miller Park - Phase I (75,000 CY)	
Soil Boring Advancement, Soil Screening, and Sample Collection	\$10,906.00
Laboratory Analyses (25 samples)	\$29,593.00
Report Preparation	<u>\$2,500.00</u>
Sub-total	\$42,999.00
 Total Lump Sum Fee	 \$93,763.00

Table 3
OU-1 SAMPLING, ANALYSES AND DESIGN

Project Management , Phase 3 Sampling, Database Management & Input, and Remedial Design Preparation
(ETM and Aerostar Environmental Services, Inc.)

OU-1 Sampling at Brown's Dump, 5th & Cleveland, Forest Street, and Lonnie Miller	\$1,025.00 Parcel	X	5 Parcels	=	\$	5,125.00
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Phase 3 Laboratory Analytical Services
(Test America)

Laboratory Analytical

Lead	8	tests	@	\$15.00	per Test	=	\$	120.00
Arsenic	8	tests	@	\$15.00	per Test	=	\$	120.00
PAHs	4	tests	@	\$105.00	per Test	=	\$	420.00
Dioxins	3	tests	@	\$560.00	per Test	=	\$	1,680.00
Total Estimated Cost for 86 Parcels							\$	<u>2,340.00</u>

Phase 3 Data Validation
(Aerostar Environmental Services, Inc.)

Data Validation

Lead & Arsenic	\$25.00	EA	X	8 Analyses	=	\$	200.00
PAHs	\$60.00	EA	X	4 Analyses	=	\$	240.00
Dioxins	\$195.00	EA	X	3 Analyses	=	\$	585.00
Total Estimated Cost for Sampling and Data Validation of 86 Parcels						\$	<u>1,025.00</u>

TOTAL OU-1 SAMPLING, ANALYSES AND DESIGN	=	\$	<u>8,490.00</u>
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LUMP SUM COST PER PARCEL	=	\$	1,698.00
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**Confirmation Sampling and Data Validation
FC Parts 7A Parcels**

Confirmation Sampling
(Aerostar Environmental Services, Inc.)

Part 7A - Additional 31 parcels	\$28,000.00 /Month *	X	5 Months	=	\$140,000.00
Administration / Tracking/ Reporting	\$950.00 /Month *	X	5 Months	=	\$4,750.00
Total Lump Sum Fee					\$144,750.00

Parts 7A is based upon two samplers - 9 hours per day, with 2 vehicles and equipment

Data Validation for Laboratory Analytical Services
(Aerostar Environmental Services, Inc.)

Part 7A (31 parcels)	Samples			
Lead/Arsenic:	65	@ \$20.00 per Sample	=	\$1,300.00
PAHs:	33	@ \$60.00 per Sample	=	\$1,980.00
Dioxins:	17	@ \$195.00 per Sample	=	\$3,315.00
			Subtotal	\$6,595.00

Total Lump Sum Fee for Confirmation Sampling and Data Validation \$151,345.00

**ASH SITE REMEDIATION
LABORATORY ANALYSES
FC Parts 7A and Part 7A Remnant Parcels**

CONFIRMATION SAMPLES

SITE	PARCELS	CONFIRMATION SAMPLES (estimate)	SAMPLES TO LABORATORY	LEAD/ARSENIC			OU-2 Metals			PAHs			DIOXINS			TOTAL LAB COST
				Number	Plus QC	COST	Number	Plus QC	COST	Number	Plus QC	COST	Number	Plus QC	COST	
FC Part 7A	40	2600	65	65	82	\$2,583.00	N/A			33	42	\$4,473.00	17	22	\$12,353.00	\$19,409.00
TOTAL	40	2600	65		82	\$2,583.00		0	\$0.00		42	\$4,473.00		22	\$12,353.00	\$19,409.00

Confirmation Samples: Based upon design plans

QC: Add 25% to number of samples

Samples to Laboratory: 2.5% of confirmation samples

PAHs: 50% of laboratory samples

Dioxins: 25% of laboratory samples

Lead/Arsenic: \$31.50

PAHs: \$106.50

Dioxins: \$561.50

OU-2 Metals: \$61.50

TCLP STOCKPILE SAMPLES

SITE	CUBIC YARDS	NUMBER OF STOCKPILES	NUMBER OF TCLPs	COST PER ANALYSIS	TOTAL COST
FC Part 7A	30,000	60	60	\$201.50	\$12,090.00
TOTAL	30,000	60	60		\$12,090.00

Each stockpile is 500 cubic yards

TOTAL LABORATORY COSTS

SITE	COST
FC Part 7A	\$31,499.00
TOTAL	\$31,499.00