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Raiph Burger Jones, Joseph

To: Subject:

New Cassel I A - OU3 D&B WA 4446-6

It looks good to me. Please ask for the appropriate number of copies of the PMWP and 2.11 budget tables. When I get 2 hard copies I will prepare the NTP letter and get it on routing.

CC:

Bobersky, Guy

I from requested zerges.

To be sent to one, day con sign of for him. I adold for place a factorial above. R.

#### BID EVALUATION FOR DRILLING SERVICES, NEW CASSEL INDUSTRIAL AREA SITE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION SUPERFUND STANDBY CONTRACT

ITEM DESCRIPTION	UNIT QUANT		ENGINEERING COST ESTIMATE <sup>1)</sup>		Delta Well and Pump Company, Inc.		Geologic NY, Inc.		Nothnagle Drilling, Inc.		Parrat-Wolff, Inc.	
TEM DESCRIPTION	]	40/	. UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT . PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE
A MOBILIZATION/DEMOBILIZATION,	Lump Sum	1	\$44,000.00	\$44,000.00	\$12,000.00	\$12,000.00	-	-	-	-	\$44,000.00	\$44,000.
	Lump Sum	. 2	\$20,000.00	\$40,000.00	\$7,500.00	\$15,000.00	<b>∸</b>	1 -	-	i -	\$20,000,00	\$40,000.
SECURITY FOR DRILL RIG AND MUD PIT*1	Per Hour	972	\$25,00	\$24,300.00	\$40.00	\$38,880,00	<b>-</b> .	1 -	-	_	-	_
MUD ROTARY PORTABLE PIT SET UP SECURITY FOR DRILL RIG AND MUD PIT* CONSTRUCTION AND REMOVAL OF DECON PAD SOUND BARRIER FOR MUD ROTARY DRILLING*	Lump Sum	1	\$505,00	\$505,00	\$900,00	\$900.00	. \$265,00	\$265.00	\$850.00	\$850,00	\$400.00	\$400.0
	Lineal Foot	64	\$20.00	\$1,280.00	\$20.00	\$1,280.00	-	-				1
WELL/BORING SET-UP	Per Well/Boring	9	\$150,00	\$1,350.00	\$250,00	\$2,250,00	-		\$100.00	\$900.00	\$200.00	\$1,800
OLLOW STEM AUGER DRILLING				-	1							1
) 0-50 FEET IN DEPTH												
3.25" ID HOLLOW STEM AUGERS	Lineal Foot	350	\$12.25	\$4,287.50	\$18.00	\$6,300.00	\$14.75	\$5,162,50	\$10.00	\$3,500.00	\$12.00	\$4,200
) 50-100 FEET IN DEPTH	1					1						1
3,25" ID HOLLOW STEM AUGERS	Lineal Foot	350	\$15.33	\$5,366.67	\$18.00	\$6,300.00	, \$21,00	\$7,350.00	\$12,00	\$4,200,00	\$13,00	\$4,550
) 100-200 FEET IN DEPTH											,	
3.25" ID HOLLOW STEM AUGERS	Lineal Foot	· 700	\$29.00	\$20,300.00	\$22.00	\$15,400.00	\$42.00	\$29,400.00	\$16.00	\$11,200.00	-	_
200-285 FEET IN DEPTH	1		ŀ				·					
3.25" ID HOLLOW STEM AUGERS	Lineal Foot	595	\$58,00	\$34,510,00	\$40.00	\$23,800.00						
ID ROTARY									•	j		
0-50 FEET IN DEPTH	1 1			ł						******	****	***
8-INCH DIAMETER BIT	Lineal Foot	100	\$44,33	\$4,433.33	\$50.00	\$5,000.00	\$45.00	\$4,500.00	\$28.00	\$2,800.00	\$60,00	\$6,000
50-100 FEET IN DEPTH	1		1					** ***		******	*****	***
8-INCH DIAMETER BIT	Lineal Foot	100	\$50.67	\$5,066,67	\$50.00	\$5,000.00	\$55,00	\$5,500.00	. \$32.00	\$3,200.00	\$65,00	\$6,500
8-INCH DIAMETER BIT ) 50-100 FEET IN DEPTH 8-INCH DIAMETER BIT ) 100-200 FEET IN DEPTH 8-INCH DIAMETER BIT								********	*****	******	\$65.00	
8-INCH DIAMETER BIT	Lineal Foot	200	\$59.67	\$11,933.33	\$50.00	\$10,000.00	\$80.00	\$16,000.00	\$34.00	\$6,800.00	\$65.00	\$13,00
) GREATER THAN 200 FEET IN DEPTH	1					*********			\$42.00	#25 200 00	\$70.00	\$42,00
8-INCH DIAMETER BIT	Lineal Foot	600	\$56,00	\$33,600,00	\$50.00	\$30,000,00		ļ <u></u>	\$42.00	\$25,200.00	\$70,00	\$42,00
OREHOLE SAMPLING	1		Ì	· ·						l		
SHELBY TUBE SAMPLING	l l	9		1		\$3,600,00	£250.00	\$3,150.00	\$95.00	\$855.00	\$200.00	\$1,80
100-200 FOOT IN DEPTH	Per Sample		\$215.00	\$1,935,00	\$400.00		\$350.00	\$3,150.00	\$125.00	\$1,125.00	\$200.00	\$2,700
GREATER THAN 200 FOOT IN DEPTH	Per Sample	99	\$322.50	\$2,902.50	\$450.00	\$4,050.00		·····	\$125.00	\$1,125.00	\$300.00	\$2,70
OREHOLE SAMPLING	1 . 1		·	1				1		1	1	1
HYDRO PUNCH SAMPLING	1	_	l		4007.00	4450.00	\$175.00	\$350.00	\$150.00	\$300.00	\$175.00	\$350
0-50 FOOT IN DEPTH	Per Sample	2	\$166.67	\$333.33	\$225.00	\$450.00 \$1,100.00	\$262.50	\$1,050,00	\$160.00	\$640.00	\$200.00	\$800
50-100 FOOT IN DEPTH	Per Sample	4	\$207.50	\$830.00	\$275.00	\$3,000.00		\$3,500,00	\$175,00	\$1,750,00	\$250,00	\$2,500
100-200 FOOT IN DEPTH	Per Sample	10 ·	\$258.33	\$2,583.33 \$9,600,00	\$300.00 \$350.00	\$11,200.00	\$350.00	\$3,500.00	\$200.00	\$6,400.00	\$400,00	\$12,80
. GREATER THAN 200 FOOT IN DEPTH	Per Sample	32	\$300,00	29,000,00	\$350,00	311,200.00			\$200,00	40,400.00	\$400,00	#1E,00
OREHOLE GAMMA LOGGING <sup>(1)</sup>	1	_		1					•	ļ	100	
. 285- FOOT BORINGS	Lump Sum	7.	\$650.00	\$4,550.00	\$300.00	\$2,100.00	-	-	-			_
. 500-FOOT BORINGS	Lump Sum	22	\$900,00	\$1,800,00	\$500.00	\$1,000.00	<del>-</del>	<del></del>		<del></del>	·	
OREHOLE ABANDONMENT									***	*******		
4 TO 8 INCH DIAMÉTER BOREHOLE	Per Foot	1,350	\$8.67	\$11,700.00	\$10.00	\$13,500.00	\$14.00	\$18,900.00	\$6.00	\$8,100.00	\$6.00	\$8,10
ERTICAL PROFILE INSTALLATION	1	_			1	\$200.00		\$210.00	\$28.00	\$140.00	\$30,00	\$150.
2-INCH STAINLESS STEEL SCREEN (TYPE 304)	Per Foot	5	\$33.33	\$166.67	\$40.00	\$1,770.00	\$42.00	\$210.00	\$20.00	\$140.00	\$30,00	3130
2-INCH SCHEDULE 40 CARBON STEEL RISER PIPE <sup>(4)</sup>	Per Foot	295	\$10.74	\$3,168,30	\$6.00	\$1,770.00				<del></del>	<del></del>	<del> </del>
ERTICAL PROFILE GROUNDWATER SAMPLING (1)	i l		1	[*		*					i	
TEM BILLED USING WELL DEVELOPMENT HOURLY COSTS)	l l		l			******	*****	\$44,800,00	\$150.00	\$33,600.00	\$65.00	\$14.56
SUBMERSIBLE PUMP TO PURGE/COLLECT SAMPLE	Per Hour	. 224	\$138,33	\$30,986,67	\$200.00	\$44,800.00	\$200,00	. \$44,800,00	\$150,00	\$33,000.00	\$05,00	\$14,30
ACKHOE EXCAVATOR (2)	1 1	· ·		1		1		, i		J	ł	1
TRANSPORT SOIL CUTTINGS TO ROLL- OFF CONTAINER	1	_				#4 000 00	,		\$450.00	\$450.00		1
MOBILIZATION AND DEMOBILIZATION	Lump Sum	1		\$0.00	\$1,200.00	\$1,200.00	\$160.00	\$35,200.00	\$75.00	\$16,500,00	\$90.00	\$19,80
RUBBER TIRE BACKHOE	Per Hour	220	\$108.33	\$23,833,33	\$125.00	\$27,500.00	\$160,00	335,200.00	\$75.00	\$10,000,00	390.00	319,00
ATER HAULING (3)	1 .			1	· ·			1		İ	i .	
NCLUDES LABOR AND VEHICLE WITH MINIMUM OF 500 GALLON	1		*****	\$9.800.00	\$900.00	\$25,200.00		_	\$450,00	\$12,600.00	\$250.00	\$7,00
APACITY TO SUPPLY AND TRANSPORT WATER)	Per Day	28	\$350.00	\$9,800.00	\$900.00	\$25,200.00		<del></del>	\$450,00	\$12,000.00	- \$250.00	1 00
ONTAINERIZATION OF DRILLING MATERIAL AND STAGING	1 555	70	450.00	\$3,500,00	\$50.00	\$3,500,00	\$70.00	\$4,900.00	\$30,00	\$2,100,00	\$50,00	\$3,50
PROVIDE CLEAN EMPTY DOT APPROVED 55	Per 55	70	\$50.00	\$3,500.00	\$50.00	\$3,500,00	\$70,00	\$4,500.00	\$30.00	\$2,100,00	\$30.00	1
GALLON DRUMS WITH SEALS, BUNGS AND LIDS	Gallon Drum	70		\$3,675.00	\$30.00	\$2,100.00	<u> </u>	i _ :	\$30,00	\$2,100,00	\$75,00	\$5,250
FILLING, MOVING AND STAGING 55 GALLON DRUMS	Per 55	70	\$52.50	\$3,075.00	\$30.00	\$2,100.00	· <del>-</del>	-	<b>\$30.00</b>	\$2,100.00	•,	1
ON-SITE ON PALLETS	Gallon Drum Per 55	70	\$67.50	\$4,725.00	\$35.00	\$2,450.00	_	1	\$35.00	\$2,450.00	\$100,00	\$7,000
MOVE FILLED DRUMS TO SECONDARY LOCATION		/0	307.30	34,725.00	335.00	\$2,430,00	_	_	, , , , , ,	\$2,730.00	1 4100.00	1
WITHIN 1 MILE OF DRILL SITE	Gallon Drum		<del> </del>	<del> </del>	ļ	<del> </del>		<del></del>		t	<del> </del>	<del>                                     </del>
TE RESTORATION	1	5	407.50	6427.50	\$30.00	\$150.00		_	\$25.00	\$125.00	\$30.00	\$150.
TOPSOIL	Cubic Yard	. 10	\$27.50	\$137.50		\$150.00	_	1 [	\$25.00 \$15.00	\$150.00	\$15.00	\$150.
GRASS SEEDING	Square Yard		\$15.00	\$150.00	\$15.00	\$900.00	\$15.00	\$540.00	\$40.00	\$1,440,00	\$20.00	\$720
ASPHALT PAVING	Bag (60 lbs.)	36	\$25,00 \$300,00	\$900,00 \$2,700,00	\$25.00 \$300.00	\$2,700.00	\$15.00	\$540.00	340.00	\$1,440.00	\$20.00	1
PECIALTY ITEMS (Road and Hydrant Permits) <sup>(a)</sup> TANDBY TIME	Per Permit Per Hour	20	\$170,00	\$3,400.00	\$150.00	\$3,000,00	\$160.00	\$3,200.00	\$150,00	\$3,000,00	\$200.00	\$4.000
									3 100,00		1 \$200.00	₽4,00€

Notes:

(1) Estimated hours based on collection of 13 groundwater samples over a 4 day 8-hour period at each tempoary vertical profile well.

(2) Backhoe/Excavator to be used 2 hours a day for a duration of 110 days, to transport soil to roll - off containers. Within 1 mile of drill site.

(3) Water Hauling is estimated for 2 hours a day for a duration of a 110 days.

<sup>(3)</sup> Engineering cost estimate based upon average of quotes/unit prices from standby contracts excluding Delta Well and Pump Company, unless otherwise noted.

(4) Unit price for engineering cost estimate based upon RS Means.

(5) Assumed price of \$20/not of sound barrier.

(6) Assume \$150/permit, two permits per borling.

(7) Unit price for engineering cost estimated based upon vendor quote.



www.emilcott.com

466 Southern Blvd Chatham, NJ 07928 (973) 765-0991 (800) 886-3645 Fax (973) 765-0994 info@emilcott.com

#### Our firm consists of:

- \* LEED Accreditied Professionals
- \* Certified Industrial Hygenists
- \* Certified Safety Professionals
- \* Certified Hazardous Materials Managers
- \* Industrial Hygicnists

# Sample of Services:

- \* ESH Training
- \* Health & Safety Programs Review Development Implementation
- \* Exposure Monitoring
- \* Health & Safety Audits
- \* Chemical Hygiene & Lab Safety
- \* Indoor Environmental Quality Services

## Fax Transmittal Cover Sheet

Date: Tucsday, July 03, 2007

To: Mr. Frank Devita

Of: Dvirka - Woodbury

Fax 516-364-3448

Number:

From: Barbara Alves

Re: Confidential

You should receive 5 pages, including this cover sheet. If you have received this information in error, please put your fax number here and fax this page to 973-765-0994

# RICHARD J. NOECKER, CPA

63 E. Westfield Avenue PO Box 235 Roselle Park, NJ 07204 Phone: 908-241-5440 Fax: 908-241-5441 Ccll: 973-945-4173

To the Board of Directors Emileott Associates, Inc. 466 Southern Boulevard Chatham, New Jersey 07928

I have compiled the accompanying balance sheet of Emilcott Associates, Inc.(a corporation) as of December 31, 2006 and the related statements of income and retained earnings for the year then ended, in accordance with Statements on Standards for Accounting and Review Services issued by the American Institute of Certified Public Accountants.

A compilation is limited to presenting in the form of financial statements information that is the representation of management. I have not audited or reviewed the accompanying financial statements and, accordingly, do not express an opinion or any other form of assurance on them. However, I did become aware of a departure from generally accepted accounting principles that is described in the following paragraph.

A statement of cash flows for the year ended December 31, 2006, has not been presented. Generally accepted accounting principles require that such a statement be presented when financial statements purport to present financial position and results of operations.

Richard J. Noecker

June 21, 2007

# EMILCOTT ASSOCIATES, INC.

Balance Shect As Of December 31, 2006

# **ASSETS**

·	
Cash	\$ 52,568
Accounts Receivable	666,105
Deposits & Prepaid Expenses	<u>22,579</u>
Total Current Assets	741,252
Property and Equipment - Net (Note 2)	110,643
Capitalized Software-Net (Note 3)	6,000
Security Deposits	6,624
TOTAL ASSETS	\$864,519
	- 1 11
LIABILITIES & STOCKHOLDERS' EQUITY	
	•
Accounts Payable & Accrued Expenses	\$342,311
TOTAL CURRENT LIABILITIES	342,311
Bank Line of Credit (Note 4)	0
TOTAL LIABILITIES	342,311
Capital Stock	1,000
Retained Earnings	521,208
TOTAL STOCKHOLDERS' EQUITY	522,208
TOTAL LIABILITIES AND STOCKHOLDERS' EQUITY	\$864,519
	7541

(See Accountant's Compilation Report)

# EMILCOTT ASSOCIATES, INC.

Statement Of Income And Retained Earnings For The Year Ended December 31, 2006

Revenue		<b>\$2,843,957</b>
Cost of Goods Sold		1,540,505
Gross Profit		1,303,452
Selling & Administrative Expenses:	·	
Salaries & Payroll Taxes	\$434,950	
Marketing	117,487	
Auto Expenses	22,384	
Office Supplies	7,194	
Rent	91,700	
Telephone & Utilities	29,153	
Repairs & Maintenance	16,251	
Insurance	53,303	
Postage & Freight	2,312	
Professional Fees	44,958	
Employee Benefits	207,935	
Remote Office Expenses	29,594	*
Dues, Subscriptions & Publications	3,955	
Depreciation	16,750	
Amortization	30,525	
Computer Expenses	22,241	
Other Expenses	23,541	
Total Selling & Administration		1,154,233
Income Before Taxes		149,219
Provision For State Income Taxes(Note 6) Provision For Federal Income Taxes(Note 6)		0
Net Income		149,219
Retained Earnings - January 1, 2006		371,989
Retained Earnings - December 31, 2006	•	\$ 521,208
		and the particular

(See Accountant's Compilation Report)

#### EMILCOTT ASSOCIATES, INC.

Notes To Financial Statements
For The Year Ended December 31, 2006

#### NOTE 1: OPERATIONS

The Company provides environmental consulting and training services. Corporate headquarters is at 466 Southern Boulevard, Chatham, NJ 07928.

#### NOTE 2: FIXED ASSETS

The Company records fixed assets at historical cost. Depreciation of machinery and equipment is computed by applicable IRS regulations using estimated useful lives as required by The Internal Revenue Code. The Company, at its option, sometimes expenses fixed assets under IRS Code Section 179. Property and Equipment at historical cost amount to \$559,086 less an allowance for Accumulated Depreciation of \$448,443. The Company maintains a policy of expensing acquisitions under \$2,000.

# NOTE 3: CAPITALIZED SOFTWARE

The Company has capitalized software costs which are being amortized over a five-year period. At December 31, 2006, the cost of such software was \$56,100 and accumulated amortization was \$50,100.

#### NOTE 4: BANK LOANS AND NOTES PAYABLE

The Company has a \$250,000 line of credit from Union Center National Bank, which bears interest at Prime Plus. At December 31, 2006 there was no outstanding balance.

#### NOTE 5: LEASES

The Company leases office space from Fairmount Commons under a three year lease, which expires in December, 2007. Rent expense for 2006 was \$91,700. Rent for 2007 will be \$89,732.

#### NOTE 6: INCOME TAXES

The Federal and New Jersey income taxes for 2006 were covered by overpayments from prior years.

# BRUCE D. GROVES, CIH President/Project Director

#### **EDUCATION AND PROFESSIONAL BACKGROUND**

1985 - Masters in Business Administration. Finance, University of Connecticut 1975 - BA Biology, Lafayette College

#### Certifications

1982 - Board Certified in the Comprehensive Practice of Industrial Hygiene by the American Board of Industrial Hygiene (ABIH) CP-2224.

#### **EXPERIENCE AND SUMMARY**

1987 - Present	Emilcott Associates, Inc., Chatham, NJ, President and Project Director
1985 - 1987	Ebasco Services, Inc., Lyndhurst, NJ, Corp. Mgr. of Safety, IH and Training
1979 - 1985	AMAX Inc., Greenwich, CT, Corp. Mgr.of Loss Prevention, Fire Protection, Safety
	and Industrial Hygiene
1977 - 1979	US Department of Labor, Occupational Safety & Health Administration, Belle Mead,
• `	NJ, Safety and Health Compliance Officer

Mr. Groves is an Environmental, Safety and Health professional with over 29 years of industrial hygiene, safety, loss control and environmental management experience. His experience includes 18 years as President of Emilcott Associates, Inc., two years directing industrial hygiene, safety and training programs for Ebasco Services, Inc.; six years in various health, safety and loss control positions in the Corporate Loss Prevention Department of AMAX, Inc., and three years regulatory experience as an industrial hygienist/safety compliance officer for OSHA.

#### Industrial Hygiene, Safety and Environmental Project Experience

- Project Director for managing the environmental, safety and industrial hygiene program at a 30-acre Hexavalent chromium remediation/construction site in Jersey City, NJ.
- Performed numerous EHS compliance-style audits for various Exxon (Exxon/Mobil) companies. Audits
  included facilities throughout the U.S. involved in petro-chemical manufacturing, bio-medical research,
  petroleum R&D, pilot plants, administrative areas, and production facilities. Each audit required the
  project staff to meet with facility personnel, review pertinent documents, comprehensive site walkthroughs, and provide written reports of findings.
- Lead the audit and conducted a health hazard assessment for the NYPD DEA of the Health and Safety Practices at the September 11<sup>th</sup> WTC Recovery Operation at the Fresh Kills Landfill in Staten Island. Recognized by the NYC Detectives Union as being instrumental in quickly establishing high H&S standards for this recovery operation.
- Project Director and Project Manager for EH&S construction support services at Merck & Co, a major pharmaceutical company. Construction projects exceeded \$2 Billion over an 12-year period (1992-2004). As part of this project, Emilcott assisted the Merck Central Engineering group in managing and planning construction and remediation in production and R&D operations, often in areas with significant chemical contamination potential and underground construction hazards.
- · Project Director for an Indoor Environmental Quality Assessment in a 66 story office building that was

- significantly damaged from the collapse of the adjacent WTC towers. Was instrumental in assisting the client in successfully re-occupying the top 30 floors of the building within 9 months after the September 11<sup>th</sup> disaster.
- Project Director for project involving on-site Life Safety (fire) and construction health and safety
  consulting services for an major construction/renovation project at the Children's Hospital of
  Philadelphia (CHOP). Emilcott worked with CHOP on their Construction Safety Guidance Procedures,
  and correlated those procedures with the requirements of the JCAHO Interim Life Safety Measures.
  Provided health and safety oversight and monthly site audits to assure that contractor were complying
  with OSHA and ILSM requirements
- Mr. Groves has provided technical expertise for corporate and legal counsel for peer review, litigation strategy and support, and expert witness testimony. He has represented companies in legal matters involving: OSHA compliance issues, construction safety, multi-agency investigations, OSHA citations and penalties, personal injury, and Worker's Compensation issues.
- Directed several comprehensive health and safety program review projects for numerous A/E and
  engineering-construction firms. These projects required the development of corporate health and safety
  programs and standard operating procedures for business units involved in hazardous waste
  management, construction safety, waste water treatment, process design, and civil engineering.
- Managed a three-year project involving comprehensive health and safety compliance audits at the U.S.
  Department of Energy facilities at Los Alamos National Laboratories (LANL) and Idaho National
  Engineering Laboratories (INEL). Also developed a written Health and Safety Hazard Assessment
  program at LANL.
- Directed a Confined Space Program Pilot Study, Program Development and Training for the U. S. Army Area Support in Europe. Developed a computer-based training program in English and German for training US Army and German civilian personnel in the Confined Space Program requirements.
- Conducted an evaluation and provided expert opinion on the design and use of engineered systems
  used to stabilize and shore excavations and trenches for a Public utility.
- Project Director and principle auditor for several emergency response audits performed for Lucent Technologies at their facilities in New Jersey and Pennsylvania. Lead a team of 3 Emilcott Sr. Project Managers as they assessed facilities that had been converted from laboratories or administrative buildings to production /pilot plants. The audits were conducted to document the conversion of emergency response plans and procedure to meet the transformation in the facility and its operation. All findings and recommendations were documented in detailed reports.
- Managed a team of IH Specialists taking samples and implementing a hazard assessment for PCB contamination in a large building that was previously used to renovate and maintain railroad electrical locomotive engines. The building was being used for assembling vinyl windows and an expansion was desired. The sampling was done to determine if workers might be exposed to PCBs in both the new and current facility.
- Developed and implemented Occupational and Public (Residential) Health and Safety Plans for various remedial activities associated with explosive manufacturing facilities, pharmaceutical production operations, and utility manufactured gas plant (MGP) sites within New Jersey. Made presentations at public meetings on these plans.
- Project Director for a health and safety compliance project involving a NY-based construction and boiler/tank manufacturing/repair company faced with significant OSHA violations. Provided expert opinion and consult during OSHA negotiations. Working closely with the client to develop H&S programs and train employees.
- Developed and implemented a corporate TSCA compliance and auditing program (document review of all product chemicals and importing procedures) for a Japanese electronics and a pigment/ink manufacturing Company. Issues included PCB contamination in specific pigments and inks, and the appropriate labeling and TSCA restrictions that apply.
- Prepared expert testimony for a major manufacturing company in defending a health claim resulting from alleged exposure to chemicals from their products.
- · Conducted industrial hygiene air sampling at all manufacturing facilities of a pharmaceutical company

producing consumer and medical drugs and various industrial manufacturing operations.

 Managed the Environmental Program for a Japanese Electronics Corporation which includes developing a Toxic Substances Control Act (TSCA) and OSHA Compliance Program.

## **Experience in Training**

- Represented Emilcott as Project Director for a comprehensive EHS training project conducted for Consolidated-Edison of NY. Over 200 hours of course development was needed, 50 hours of training was given, and over 125 students were trained. The training covered the utility's Standard Operating Procedures for a large list of EHS topics and was directed at H&S managers and operators. Responsibilities included meeting regularly with utility personnel involved in the project, course development, budget oversight and negotiations, and instructions for several sessions.
- Provided three 40-hour Industrial Hygiene and safety-related training courses to the U.S. Army peace-keeping forces in Landstuhl, Germany between 1997 and 1999. Course topics covered HazWOPER, Advanced Respiratory Protection, Advance IH Monitoring, and Indoor Environment Contamination.
- Trained the Rocky Mountain Arsenal Program Office and the U. S. Army Corps of Engineers in Supervising and Managing Workers as part of the remediation of Basin F at Rocky Mountain Arsenal.
- Conducted an Environmental Seminar on the Toxic Substance Control Act in Osaka and Tokyo, Japan to over 400 attendees representing 100 Japanese Companies.
- Over twenty-eight years experience developing and conducting training courses in safety and health.
   Experience includes eighteen years at Emilcott, training over 15,000 people representing hundreds of companies, agencies, and organizations.

# Other Project/Work Experience

Mr. Groves directed the development and implementation of the health and safety policies, standard operating procedures and training programs for Ebasco and the EPA REM III Hazardous Waste Program. He was Ebasco's Health & Safety Manager for all waste program sites which included over 40 CERCLA, RCRA, DOD and DOE sites throughout the United States. Mr. Groves was also the project manager and lead industrial hygienist for numerous Ebasco environmental projects and safety and health audits.

Mr. Groves directed and evaluated activities in industrial hygiene, safety and loss control at production facilities worldwide for AMAX Inc., a mining and natural resources company with over 15,000 employees. In this position he managed the development and implementation of fire prevention/protection, life safety, emergency disaster plans and safety assurance studies at site locations; developed and implemented various industrial hygiene and loss control activities in the Chemical, Base Metal, Specialty Metals and Molybdenum Divisions as well as the AMAX, AIHA accredited laboratory; and developed facility programs in respiratory protection, personnel monitoring and hearing conservation.

Mr. Groves worked for the Federal Occupational Safety and Health Administration (OSHA) as a Safety and Health Compliance Officer. In this capacity Mr. Groves conducted over 125 industrial hygiene and safety investigations for OSHA compliance throughout New Jersey.

### **PUBLICATIONS AND PRESENTATIONS**

- Groves B. D., 2004 and 2003, "The Importance of Effective Negotiation Skills and Strategies in Environmental, Health and Safety Management", ASSE Conference, Presentation, Las Vegas, Nevada; AIHA Conference & Exposition, Presentation, Dallas, Texas
- Groves B. D., 2003, "Optimizing the Environmental, Health and Safety Function", 23<sup>rd</sup> Annual

#### B.D. Groves, CIH - Resume Page 4

International Liquid Terminals Association Conference, Houston, Texas

- Groves, B. D., 2002, "Confined Space Procedures and Program Development for the US Army in Europe", Tri-Service Safety Conference 2002, Frankfurt Germany
- Groves, B. D., 2002, "H&S Challenges in the Recovery Operation of the September 11<sup>th</sup> WTC terrorist disaster", AIHA Conference & Exposition, Chaired Forum and Presenter, San Diego, CA
- Groves, B. D., Burgess, T., and Adams, D. G., 2000, "Construction Health and Safety for Industrial Hygienists", AIHA Conference & Exposition, PDC, Orlando, Florida.
- Groves, B. D., 1999, "Managing Industrial Hygiene Programs: Outsourcing, Shared Services or, Business as Ususal", AIHA Conference & Exposition, Chaired Forum, Toronto, Ontario, Canada.
- Groves, B. D., 1996, "Challenges and Liabilities in Contractor Health and Safety", AIHA Conference & Exposition, Chaired Forum, Washington, DC.
- Groves, B. D., 1995, "The Challenges of Implementing Exposure Assessment Program", AIHA Conference & Exposition, Chaired Forum, Kansas City, MO.
- Groves, B. D., 1993. "The Changing Role of the Industrial Hygienist: Managing Public and Worker Health Risks at Manufactured Gas Plant Sites", AIHA Conference & Exposition, New Orleans, LA.
- Groves, B. D., 1992, 1993 & 1995, "Occupational and Environmental Air Monitoring at Hazardous Waste Sites", AlHA Conference & Exposition, Professional Development Conferences, 1992 and 1993 Boston, MA and New Orleans, LA.
- Groves, B. D., 1992, "Managing Public and Worker Health Risks at Manufactured Gas Plant Sites", AIHA Conference & Exposition, EEI/GRI MGP Task Force Meeting, South Sioux City, Nebraska.
- Groves, B. D., 1992, "The Changing Role of the Industrial Hygienist, Managing the Public and Worker Health Risks at Lead and Mercury Contaminated Remediation of 130 Residential Properties", AIHA Conference & Exposition, Boston, MA.
- Groves, B. D., 1990 & 1991. Seminars for Japanese Companies on the U.S. Toxic Substance Control Act. Osaka and Tokyo, Japan
- Groves, B. D., 1989, "Establishing Practical Hazardous Waste Action Levels for Non-Remedial Contractors", American Industrial Hygiene Conference, St. Louis, MO.

Name:

H. Dale Wilson, CIH, LEED AD

Position:

Program Director, Industrial Hygiene & Safety; Senior Project Manager

Background:

Mr. Wilson is a Certified Industrial Hygienist and LEED Accredited Professional (AP) with over fifteen years of experience in the industrial hygiene, safety and environmental fields. Prior to joining Emilcott Mr. Wilson was the Corporate Industrial Hygienist for eight years at Creanova (previously known as Hüls America, Inc.) where his responsibilities included comprehensive IH duties for domestic and international facilities.

Project Experience:

Mr. Wilson's responsibilities at Emilcott include project management for industrial hygiene assessments. indoor environmental quality investigations, accident/incident investigation, and litigation support work. Clients include specialty chemical manufactures, foundries and steel production facilities, private institutions, residential complexes and hotels, A&E firms and a variety of general manufacturing operations. He has also managed projects involving H&S oversight at hazardous waste remediation and investigations, EHS audits, chemical hygiene plan development; emergency response planning, and the development and implementation of corporate and site-specific health and safety policies and procedures. He has developed numerous health and safety plans for construction, site-investigation, and remediation work at locations including Brownfields, Superfund sites, and landfills. Other project work includes development of employee medical surveillance protocols based on exposure to various chemical and physical hazards; and construction safety oversight on projects including micro-tunneling, demolition, and building construction.

As a CIH and LEED AP, Mr. Wilson actively conducts IEQ investigations and provides oversight of remediation at commercial, industrial, and manufacturing properties focusing on operation and maintenance of building systems, structural conditions, and related issues that have resulted in occupant complaints, moisture and/or structural damage, microbial growth, chemical exposures, vapor intrusion, and accumulation of particulate. Mr. Wilson managed a comprehensive IAQ/ mold project involving a 54-story building badly damaged on September 11<sup>th</sup>. Emilcott performed preliminary and on-going IAQ testing and post construction clearance. He is currently assisting a private grammar school obtain LEED Certification for their multi-building campus.

Training Experience:

Mr. Wilson assists in the development and implementation of training courses for Emilcott's clients, including respiratory protection, SCBA usage, emergency response, and others involving plant and manufacturing safety such as hazard communication, bloodborne pathogens, hearing conservation, asbestos / lead, PPE, fall protection, excavation and trenching, and emergency response.

**Education:** 

Mr. Wilson holds a BS degree in Biology from the University of South Carolina.

Noted Accomplishments:

Mr. Wilson has provided technical expertise for corporate and legal counsel for means of peer review, litigation strategy and support, forensic analysis, and expert opinion. He has worked with both plaintiff and defendant legal representatives in matters involving: OSHA compliance issues and investigations, OSHA citations and penalties, toxic tort claims, personal injury, and Worker's Compensation issues. He is a member of the Dover Township, NJ Community Emergency Response Team (CERT).

Name:

Elise A. Franklin, CIH, CSP

Position:

Senior Project Manager

Background:

Ms. Franklin is a Certified Industrial Hygienist and Certified Safety Professional with over 20 years of experience in industrial hygiene, ergonomics, safety and EHS training. Prior to working for Emilcott, Ms. Franklin was an Assistant Director for the Department of Environmental Safety at the University of Maryland in College Park for over six years. Prior to that she was an Associate Director of EH&S at Univax Biologics and NABI, a biopharmaceutical firm in Rockville, Maryland and Boca Raton, Florida for 6 years. Ms, Franklin also worked at the Genetics Institute in Cambridge, MA as the Environmental, Health and Safety Manager for 2 years, and prior to that was an EH&S Principal Engineer for Digital Equipment Corp. in Boxboro, MA, and an Industrial Hygienist for the US Army in Germany as well as Martin Marietta.

Project Experience:

Ms. Franklin has significant experience in conducting industrial hygiene, safety, ergonomic and auditing evaluations coupled with providing appropriate design, work practice and training recommendations. Ms. Franklin's project experience includes Senior Project Management as well as the management of comprehensive occupational safety and health programs for the University of Maryland and two large biotechnology firms. Specific projects include; conducting a trend analysis to determine injury/accident causes and development of targeted program improvements and initiatives including job review, training and return to work programs to reduce rates. She developed a team to conduct design reviews and hazard assessments and controls to support high hazard R&D activities and utilized Failure Mode and Effect Analysis, as part of the hazard assessment protocols. Ms. Franklin also managed the Industrial Hygiene and Safety program for the University of Maryland 1100 laboratories which included fume hood evaluations, exposure assessments, a laboratory signage program, the implementation of Chemical Hygiene plans and a laboratory management training programs. Ms. Franklin has also conducted and developed numerous training courses.

Education:

Ms. Franklin has a BS in Environmental Health from Colorado State University in Ft. Collins, CO., a MS in Work Environment with concentration in Industrial Hygiene/Ergonomics from University of Massachusetts in Lowell, MA., and an MBA from Babson College in Wellesley, MA.

Noted Accomplishments:

Published in 2000, Ms. Franklin coauthored *Too Hot to Handle: An Unusual Exposure of HDI in Specialty Painter* (P.J. Franklin; Goldenberg, W.S.; Ducatman, A.M.; Franklin, E.A. s, American Journal of Industrial Medicine, 2000, 37, 431.)

Name:

Laurie deLaski, CIH

Position:

Senior Project Manager

Background:

Ms. deLaski is a Certified Industrial Hygienist with over 15 years of experience in training, industrial hygiene and safety. Prior to working for Emilcott, Ms. deLaski was the Corporate Safety Director for LabCorp and a Loss Control / IH Specialist with Liberty Mutual Insurance.

Project Experience:

In her current position as Senior Project Manager, Ms. deLaski manages a variety of projects such as the development of health and safety programs for industrial clients, consulting engineers and contractors. She is currently working closely with several engineering firms and biotech companies to assess their EHS compliance, prioritize gap closures, and then develop programs and implementation plans for achieving each client's compliance goals. As part of these projects she has developed comprehensive Train-the-Trainer programs to help implement the new EHS programs. Ms. deLaski also evaluates employee exposures to air contaminants in both manufacturing and commercial buildings; conducts facility industrial hygiene and safety audits; and develops/reviews health and safety plans for hazardous waste operations. She has been the key health and safety investigator for program assessment and program implementation at OSHA VPP sites.

Training
Experience:

Ms. deLaski has completed several customized training projects involving Fortune 500-companies to help them achieve regulatory compliance. Courses were directed at field, manufacturing, construction and supervisory personnel. Topics included ergonomics, LO/TO, confined space, respiratory protection, PPE, Bloodborne pathogens, HazCom, fall protection, asbestos / lead awareness, spill prevention, fire prevention / safety, and general EH&S awareness. Ms. deLaski was a key instructor for a year-long training project completed for Con-Edison of NY involving over 50 sessions covering the topics in 26 different SOPs. In 2000, She also presented the Competent Person in Lead Training for NYCT

**Education:** 

Ms. deLaski received a B.A. in Microbiology from SUNY Plattsburgh, with a minor in Chemistry.

Noted

Accomplishments:

Ms. deLaski was instrumental in assisting one of Emilcott's clients receive Merit, then Star Status under the OSHA VPP.

Name:

Paula Kaufmann, CIH

Position:

Senior Project Manager

Background:

Ms. Kaufmann is a Certified Industrial Hygienist with over 20 years experience in safety and health issues related to industrial hygiene, emergency response, hazard control, program assessment, toxic chemicals and litigation support. Prior to joining Emilcott, Ms. Kaufmann served as a Senior Staff Industrial Hygienist and Group Head for industrial hygiene and safety support for Exxon Corporation's worldwide operations. Ms. Kaufmann also has eight years experience as an environmental chemist for Stauffer Chemical.

Project Experience:

Ms. Kaufmann represents Emilcott as a Sr. Project Manager and principle instructor. She has been the key health and safety investigator for program assessment and comprehensive audits for all kinds of facilities including, laboratories, research and development, chemical storage, and manufacturing. Her work includes comprehensive EHS program assessments, review, development, and documentation supported by employee training. She provides expert EHS guidance to clients to assist them in maintaining compliance with federal, state and local regulations. Ms. Kaufmann specializes in assessing a client's EHS compliance, prioritizing gap closures, then developing programs and implementation plans for achieving compliance goals.

Her recent project experience includes working with several pharmaceutical biotech-clients-in-the-NY-regional-areas-to-assess-current-EHS program needs including overseeing IH exposure assessments. She managed a two-year long EHS project for a flavors and fragrances manufacturer in North Jersey facing facility growth issues. Ms. Kaufmann represents Emilcott in a long-term project involving program review and development related to TSCA, SARA and OSHA compliance for a Japanese specialty chemical manufacturer and importer.

Training Experience:

Ms. Kaufmann frequently develops and implements EHS programs and training for Emilcott's clients. These include such varying topics as Advanced Industrial Hygiene Monitoring, Respiratory Protection for the U.S. Army, to Competent Person in Lead training for New York City. She helped develop and conducted a "Fundamentals of Industrial Hygiene" course throughout the U.S. for the American Industrial Hygiene Association. She regularly presents the various training courses offered at Emilcott including HAZWOPER, Respiratory Protection and Laboratory Safety, the Chemistry of Hazardous Materials.

**Education:** 

Ms. Kaufmann has a B.S. in Chemistry from the University of Florida, and an M.S. in Environmental Health Science from Hunter College, City University of New York.

Noted Accomplishments:

While at Exxon she developed and utilized sub-parts per billion ambient air monitoring method for benzene.

Name:

Carrie Bettinger, ASP

Position:

Training Manager; Project Manager

Background:

Ms. Bettinger in an EHS Consultant with seven year's experience in the areas of industrial hygiene and safety in laboratories and manufacturing operations, radiation exposure, environmental investigations, and hazardous waste operation safety oversight. Prior to joining Emilcott, Ms. Bettinger was a Field Scientist with Environmental Management and Design Services working on radium exposure-related fieldwork at the U.S. Radium Superfund site in Orange New Jersey. Ms. Bettinger also spent 3 years in the environmental laboratory industry working for such companies as Columbia Analytical and Lozier Laboratory where she performed sample analysis and report preparation. Ms. Bettinger was the Quality Control / Health and Safety Officer for Upstate Laboratories, responsible for QA/QC of laboratory practices, state certifications and the laboratories' environmental program and chemical hygiene plan.

Project Experience:

Ms. Bettinger's project experience includes conducting industrial hygiene air monitoring assessments and surveys at manufacturing and construction projects using a variety of air sampling procedures and direct-reading instruments. Ms. Bettinger has also provided temporary staff support services for two pharmaceutical companies in NJ; six months as a Health and Safety/Laser Safety Officer at Novartis during their downsizing activities, and over two months at Pfizer. For these projects she assisted with manufacturing and laboratory safety oversight, and reviewed and updated procedures in Lockout Tagout, Confined Space, PPE, Respiratory Protection and other H&S areas. Ms. Bettinger participated in an H&S assessment of a medical devise manufacturing facility and helped develop the chemical hygiene program for a major generic pharmaceutical company. She recently completed a 2-year exhaust ventilation survey and development of a program to manage laboratory exhaust systems for a major pharmaceutical company in Central NJ.

**Training Experience:** 

Ms. Bettinger is the Training Manager for Emilcott responsible for scheduling the many open-enrollment and private courses Emilcott conducts throughout the year for its clients. She is instrumental in developing course materials and curriculums. She is routinely the lead instructor for HazWoper, Respiratory Protection, Environmental Regulations, Laboratory Safety and all the construction safety-related courses such as Confined Space Entry, Fall Protection and Excavation/Trenching Safety.

Education:

Ms. Bettinger has a B.S. in Environmental, Health and Safety Management from Rochester Institute of Technology.

Noted Accomplishments:

Ms. Bettinger was recently part of a team that provided modified HazWOPER courses to the US Army V Corp Division emergency team. She is an authorized OSHA Construction Standards Outreach Trainer, certified to teach the 10- and 30-Hour H&S in Construction courses.

Name:

**David Tomsey** 

Position:

**Environmental, Health & Safety Consultant** 

Background:

Mr. Tomsey has over nine years experience in the field of environmental, health and safety. Mr. Tomsey's experience includes performing hazardous materials surveys; remedial investigations; performing soil, surface water, and ground water investigations for underground storage tank projects; environmental oversight; health and safety oversight; and air monitoring. Mr. Tomsey has worked with the New Jersey School Construction Corporation to perform hazardous materials surveys, life safety improvement surveys, sampling and onsite testing, and sub contractor coordination and oversight. Mr. Tomsey has served as the principal investigator and project scientist for long term projects and has been responsible for health and safety oversight of project personnel.

Project Experience:

Mr. Tomsey has been working on a long term remediation project in Jersey City, NJ. The project duties include air monitoring, PPE assessments and contractor health & safety oversight. Mr. Tomsey performs daily site audits to insure health and safety compliance and develops corrective action measures for deficiencies.

Other services that Mr. Tomsey routinely provides include EHS Program development for hazardous waste operations and construction activities.

Training Experience:

Mr. Tomsey reutinely provides tool box trainings, project specific training, and has conducted many of the EHS courses needed to implement programs at client locations.

Education:

Mr. Tomsey has a B.S. in Environmental Resource Management from Pennsylvania State University.

Noted Accomplishments:

Mr. Tomsey participated in the Pennsylvania state program to help local and state agencies reach decisions with the public concerning PA's natural resource and environmental interface, land use, water resources, and the design and evaluation of policies and institutions for managing resources.

Name:

Michael Gfroehrer

Position:

**EHS Consultant** 

Background:

Mr. Gfroehrer is an EHS Consultant with over 5 years experience in industrial hygiene, indoor environmental quality issues, and health and safety project support. His responsibilities include safety and health program support at hazardous waste operations, manufacturing, and construction sites. He also conducts Indoor Environmental Quality (IEQ) investigations and surveys for a variety of clients including retail and entertainment, hospitals, high tech, and schools. Prior to joining Emilcott, Mr. Gfroehrer was an IH Technician with Air Consulting Services in Hightstown, NJ.

**Project** Experience:

Mr. Gfroehrer's project experience includes IEQ services, mold and asbestos surveys, sample collection and report preparation for a diverse client base in both the public and private sectors. He has conduced ventilation studies in several sensitive environments including acute care healthcare facilities, day care centers, and police stations. He has worked on high profile air quality studies for state and federal government projects as well as several large pharmaceutical firms.

Mr. Gfroehrer is currently part of a team providing Health & Safety Officer oversight services at the Peter Cooper Village / Stuyvesant Town campus which was built on a former Manufactured Gas Plant (MGP) site in NYC. The team is responsible for providing Environmental, Health & Safety (EHS) support to PCVST in conjunction with construction activities that may include replacing water valves throughout the site requiring extensive subsurface excavation at this location. In addition to the full-time EHS support, Emilcott's responsibilities include mobilization and review of the contractor's Site-Specific Health & Safety Plan (SSHASP), providing updates as needed, and conducting air sampling for worker safety and for the Community Air Monitoring Plan (CAMP).

Mr. Gfroehrer also recently completed quarterly lead exposure monitoring for a local steel manufacturer, an IEQ investigation at a premier NYC hospital, and a noise exposure survey for NJ Transit. He also routinely provides IEQ investigations and health and safety surveys at various hotels in NYC for a local union. His project responsibilities include site walk-throughs to determine health and safety issues and IEQ sampling in response to union concerns. Mr. Gfroehrer has also provided EHS staff support for two pharma/biotech firms in North Jersey.

Education:

Mr. Gfroehrer has an A.S. in Chemistry from Brookdale Community College in Lindale, NJ.

Noted

Accomplishments:

Mr. Gfroehrer is a Certified Microbial Remediation Supervisor, and an EPA AHERA Building Inspector.

Name:

**Robert Romano** 

Position:

**EHS Consultant** 

Background:

Mr. Romano is an EHS Consultant with over 5 years experience in industrial hygiene, environmental issues, and health and safety project support. His responsibilities include safety and health program support at hazardous waste, manufacturing, utility, telecommunication, construction operations, the hotel industry and wastewater treatment facilities. Mr. Romano has conducted more than 1000 loss control/safety audits for general industry and construction companies. He has also performed industrial hygiene sampling and indoor environmental quality assessments in various types of facilities including public schools.

Project Experience:

Until recently. Mr. Romano was the manager of a loss control project for a major, New York-based workers compensation provider. His responsibilities included contacting newly insured clients to perform walk-through assessments of their health and safety programs and work procedures. Mr. Romano provided comprehensive reports to the insurance company along with prioritized recommendations. He followed up with the clients to see if the recommendations were implemented. He worked closely with these clients to encourage them to take a serious approach to workplace safety as a way to reduce their Workers Compensation insurance costs. As part of the follow up, Mr. Romano may provide industrial hygiene services or safety consulting / training.

For the past year, Mr. Romano has been the project manager for a H&S Program development project at a wastewater treatment facility in Great Neck, NY. He has reviewed and updated H&S programs where needed, conducted walk-though assessments and inspection and has conducted or coordinated all H&S training on the site for various compliance topics.

Mr. Romano is also the lead industrial hygienist conducting a major exposure assessment program at a steel and iron pipe manufacturing operation. He has also collected numerous industrial hygiene air samples for solvents, acid gases and metals for industrial chemical companies, hazardous waste sites, as well as construction sites. Mr. Romano is part of a team assisting at foam manufacturing facility in North NJ with EHS compliance, performing chemical inventory updates, exposure monitoring, program review and development. Recently, Mr. Romano was also part of a team that completed a comprehensive IEQ survey at a public school system in a major NJ city.

Education:

Mr. Romano has a B.S. in Biology from College of Staten Island, an M.S. in Nutrition, from Hunter College, and an M.S. in Environmental, Occupational, Safety, and Health from Hunter College.

Noted Accomplishments:

He also was awarded a fellowship for outstanding academic achievement in environmental, health, and safety.

<FDeVita@db-eng.com>

To:

<jgjones@gw.dec.state.ny.us>

Date:

7/5/2007 2:40:08 PM

Subject:

RE: FW: New Cassel Industrial Area Operable Unit No. 3 - Final Dr aft Remedial

Design Work Plan (D&B Job No. 2564)

Joe -

Attached are responses to comments provided by Ralph Burger on the Final Draft Remedial Design Work Plan for the New Cassel Industrial Area Site:

Comment No. 1 - What are examples of "miscellaneous supplies" for the \$1,250 shown on 2.11(d)5. Add a footnote to the schedule with examples of supply items.

Response to Comment No. 1 - The "miscellaneous supplies" include items primarily required during the 30-week pre-design investigation program. Examples of such items include, but are not necessarily limited to, bailers, rope, ice, sample packing materials, scoops, garbage bags, ziplock bags, electrical tape, plastic sheeting, polypropylene cord, batteries, etc. As requested, the attached 2.11 forms (Adobe Acrobat File Name, Schedule 2.11s - Revision 1) have been revised to include examples of the miscellaneous supplies for the \$1,250 shown on 2.11(d)5.

Comment No. 2 - Emilcott Associates was budgeted in D&B WA 3600-25 for a lump sum health and safety plan for \$1,500 in 2003 on NCIA. In the current work assignment it is proposed as a cost plus fixed fee subcontractor for \$3,998. Is the work necessary and isn't it simply an update of the old work done previously? Since the indirect cost rate is proposed at 132%, the subconsultant will have to submit an audit of its indirect cost rate and resumes of the proposed staff.

Response to Comment No. 2 - The budget for Emilicott Associates originally provided for the development of a Site Specific Health and Safety Plan (SSHASP). However, upon review of the HASP previously prepared under WA 3600-25, development of a SSHASP is not necessary at this time. As such, the budget for Emilicott Associates provided in the attached schedule 2.11 forms (Adobe Acrobat File Name, Schedule 2.11s - Revision 1) has been modified to include effort for updating/modifying the existing SSHASP, in lieu of preparing a SSHASP, as well as, reviewing the Health and Safety Plan prepared and submitted by the low-bid Remedial Construction Contractor as part of their 5-day submittal requirements. With regard to the subconsultant's indirect cost rate, an audit of the subconsultants indirect cost rate (Adobe Acrobat File Name, Emilcott 2006 Financial Records) and resumes of the proposed staff (Adobe Acrobat File Name, Emilcott Resumes) are attached for your reference.

Comment No. 3 - Delta Well and Pump is proposed for drilling services for \$327,730. If no other quotes were received how does D&B know the costs are reasonable? Was an engineers estimate made prior to requesting quotes? If not, D&B will have to solicit additional quotes to justify cost reasonableness.

Response to Comment No. 3 - As discussed with Joe Jones, D&B contacted four stand-by drilling firms under our current contract with the NYSDEC in order to obtain project specific pricing to complete the drilling work associated

he such

with the New Cassel work assignment. While all four firms could complete a majority of the work, due to the depth and type of borings to be completed, only Delta Well and Pump Company replied that they had the capability to complete all of the work. In response to your comment, D&B has completed an engineers estimate to complete the work which is based mainly upon the unit prices in D&B's stand-by contracts with the other three drilling firms (excluding Delta). For items which could not be completed by the other three drilling firms, D&B used price quotations from other firms or RS Means cost estimating factors. As shown by the attached table, the engineers estimate prepared by D&B is slightly greater than the quote provided by Delta. Attached is a copy of the cost analysis (Adobe Acrobat File Name, Drilling Cost Analysis), which is intended to demonstrate cost reasonableness for Delta Well and Pump Company's quote.

Comment No. 4 - If the surveying services are too unknown at this time to get quotes, the cost will have to be addressed when the scope of work can be more accurately defined either through re-budgeting excess funds from somewhere else in the work assignment or through an amendment. Remove the \$15,000 from the budget and note in it that it will need to be addressed in the future.

Response to Comment No. 4 - The attached 2.11 forms (Adobe Acrobat File Name, Schedule 2.11s - Revision 1) have been revised to eliminate the \$15,000 allowance for surveying services. As requested, costs associated with surveying services will be addressed either through re-budgeting excess funds from somewhere else in the work assignment or through an amendment once the scope of work is more accurately defined.

Comment No. 5 - I did not see an M/WBE utilization plan in the draft work plan. This must be added to it as it is a contract requirement.

Response to Comment No. 5 - Please refer to the attached 2.11 forms (Adobe Acrobat File Name, Schedule 2.11s - Revision 1) for the M/WBE Utilization Plan (Page 25).

Based on our conversations earlier this afternoon, it is understood that you have no further comments on the submitted project management work plan. As such, upon receiving confirmation from Ralph Burger that the above responses to his comments are satisfactory, the project management work plan will be finalized and forwarded to your attention for appropriate routing. In the interim, should you need anything else please do not hesitate to contact me at (516) 364-9890. Thank you.

FRANK DEVITA
Dvirka and Bartilucci Consulting Engineers
330 Crossways Park Drive
Woodbury, New York 11797
516-364-9890;9045(Fax)
fdevita@db-eng.com

----Original Message-----

From: Joseph Jones [mailto:jgjones@gw.dec.state.ny.us]

Sent: Friday, June 15, 2007 4:39 PM

M. ra

Ralph Burger

To:

Bobersky, Guy

Subject:

Re: NCIA OU-3 WP

I need two copies. The number the PM needs varies with the project. Therefore, the PM should request the copies from the consultant so we don't waste money requesting copies that no one needs. Of the 2 copies I get, one we keep in the contract section and the other goes back to the consultant with the NTP letter. We can always request more if needed in the future plus we have the electronic copy. I will look at it tomorrow morning.

>>> Guy Bobersky 7/10/2007 3:01 PM >>> Ralph,

It is unclear who is requesting the wp copies.

If you are okay with the response, and we are supposed to request copies, please let me know when you are okay with the wp and how many copies you need.

If you are requesting the copies, we will need four copies for this office.

Please let me know who will be requesting the copies. Thanks.

#### >>> Ralph Burger 7/10/2007 2:09 PM >>>

I'll try to get to it soon so you don't have to delay your vacation. The NTP goes out under Dale's signature after several other approvals that I have to route it through. If D&B addressed my comments, they should send in 2 hard copies for my use. You should request any additional copies you might need, ie. your use, regional office, health department, etc.

#### >>> Joseph Jones 7/10/2007 1:36 PM >>>

As you know, D&B has replied to your comments on the NCIA OU-3 WP. As before, the technical aspects of the WP are approvable. Please have a look at their responses and let me know if they are adequate. I will be leaving on Vacation from July 17 to August 2, and would like to send out the NTP this week if it is possible.

CC:

Jones, Joseph

need to review

Ralph Burger

To:

Jones, Joseph

Subject:

Re: NCIA OU-3 WP

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CC:

Bobersky, Guy

Joseph Jones

To:

Burger, Ralph

Date: Subject: 7/10/2007 1:36:08 PM NCIA OU-3 WP

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CC:

Bobersky, Guy

7/5/07

To: FDeVita@db-eng.com

Subject: Re: FW: New Cassel Industrial Area Operable Unit No. 3 - Final Draft Remedial Design Work Plan (D&B Job

Attached are comments from our finance people. Please address.

>>> <FDeVita@db-eng.com> 5/21/2007 11:28 AM >>> Joe -

Hope all is well. Just wondering if you have any idea of the review status for the "Final Draft" Remedial Design Work Plan, and associated 2.11 forms, for the New Cassel Industrial Area project. Thanks.

- Frank

```
> FRANK DEVITA
> Dvirka and Bartilucci Consulting Engineers
> 330 Crossways Park Drive
> Woodbury, New York 11797
> 516-364-9890;9045(Fax)
> fdevita@db-eng.com
> ----Original Message-----
               Frank DeVita
> From:
> Sent:
               Tuesday, May 01, 2007 3:14 PM
> To:
       Joseph Jones (E-mail)
> Cc: Lisa Lewis (E-mail); Maria Wright; Project Correspondence
               New Cassel Industrial Area Operable Unit No. 3 - Final Draft
> Remedial Design Work Plan (D&B Job No. 2564)
> Joe -
> Attached please find an adobe acrobat file containing the "Final Draft"
> Remedial Design Work Plan (text only) revised to address comments provided
> in your letter dated April 2, 2007. All changes made to the attached work
> plan have been tracked for your reviewing convenience. Upon receipt of
> comments on the attached, if any, the work plan will be modified
> accordingly and final copies will be submitted to the NYSDEC.
> Please note that the associated Schedule 2.11s forms have been forwarded
> as a separate e-mail. Should you have any questions concerning the
> enclosed please do not hesitate to contact me at (516) 364-9890. Thank
> you.
> <<PMWP.pdf>>
> FRANK DEVITA
> Dvirka and Bartilucci Consulting Engineers
> 330 Crossways Park Drive
> Woodbury, New York 11797
> 516-364-9890;9045(Fax)
> fdevita@db-eng.com
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CC: eng.com>

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<FDeVita@db-eng.com>

To:

<Imlewis@gw.dec.state.ny.us>

Date:

~ 4/10/2007 2:18:59 PM

Subject:

RE: NCIA Project Management Work Plan (D&B Job No. 2648)

Lisa -

Your assumption is correct, I took over PM responsibilities for the NCIA project back in November 2006.

I received comments on the NCIA Project Management Work Plan from Joe Jones on April 6, 2007 via regular mail. With regard to Schedule 2.11s, I have your comments from February 16, 2007 and they will be addressed with the revised work plan submission. In the interim, my goal is to submit a revised work plan addressing all comments provided by the NYSDEC by the end of next week. Thanks.

#### FRANK DEVITA

Dvirka and Bartilucci Consulting Engineers 330 Crossways Park Drive Woodbury, New York 11797 516-364-9890;9045(Fax) fdevita@db-eng.com

----Original Message----

From: Lisa Lewis [mailto:lmlewis@gw.dec.state.ny.us]

Sent: Tuesday, April 10, 2007 1:54 PM

To: FDeVita@db-eng.com

Cc: MWright@db-eng.com; PCorrespondence@db-eng.com

Subject: RE: Comments on AVM Gowanda amendment budget pages (D&B Job No.

2 593)

Thanks for sending that along, Frank. I forgot to ask you on the phone earlier if you had any updates with NCIA, WA 6? (I think it's your project, but correct me if I'm wrong.) I had sent a couple of budget-related comments to Ken Wenz on 2/16/07, and I believe Joe Jones and/or DOH had quite a few comments to address. Any progress on that one?

Lisa

>>> <FDeVita@db-eng.com> 4/10/2007 1:30 PM >>> Lisa -

Following up on our conversation earlier this afternoon, below please find responses to the bulleted items in your e-mail dated March 20, 2007:

- 1. Acknowledged. Future work plans will utilize direct labor costs provided in you correspondence dated February 2, 2007.
- 2. Acknowledged. Future work plans will utilize a standard reimbursable rate of \$0.485 per mile for both Prime and Subconsultant.
- 3. As per your conversations with Maria Wright, a copy of the subcontract agreement with Om P. Popli, including price tables, will be

Maylar en sed of

forwarded to your attention upon receipt of all related information from Om P. Popli. Also, as requested, the subcontract agreement will be forwarded as an adobe acrobat file.

4. Based on a review of the available information, it appears that Centek Laboratories was directly contracted for analysis of soil vapor samples to accommodate schedule needs presented by the NYSDEC.

Should need any additional information please do not hesitate to contact me at (516) 364-9890. Thanks again!

FRANK DEVITA
Dvirka and Bartilucci Consulting Engineers
330 Crossways Park Drive
Woodbury, New York 11797
516-364-9890;9045(Fax)
fdevita@db-eng.com

----Original Message----

From: Lisa Lewis [mailto:lmlewis@gw.dec.state.ny.us]

Sent: Tuesday, March 20, 2007 1:41 PM

To: FDeVita@db-eng.com

Cc: MWright@db-eng.com; Jeffrey McCullough

Subject: Comments on AVM Gowanda amendment budget pages

#### Hi Frank-

I reviewed the budget pages for the AVM Gowanda amendment and found them to be acceptable for routing. There were a few rate adjustments which could be made (see below), but since the overall effect on the work plan budget would be minimal, I see no need for the adjustments at this point.

- \* On Schedules (b) and (b-1), the 2007 rates used are higher than what will be reimbursed. Please refer to my February 2 letter citing CPI adjustment of direct labor costs which gives the reimbursable amounts for each NSPE level. Do not bother to correct the schedules/rates for the purpose of this amendment, but do utilize them for future work plans.
- \* On Schedules (c) and (e), the incorrect mileage rates are used. Effective January 1 of this year, the standard reimbursable rate is \$0.485 per mile. Schedule (c), although not being used for this assignment, still has the old rate of \$0.445 per mile on it, and Schedule (e) has too high of a rate in place (\$0.75 per mile). Again, do not bother to adjust Schedule (e) at this point because the difference would only be approximately \$93; just realize that reimbursement will only be up to the state rate of \$0.485, both for Prime and Subconsultants.
- \* In the subcontracts recently submitted to CPS, I don't see an agreement with O.M. Popli. Please submit a copy of D&B's active contract with Popli, including price tables. (PDF would be great.)

\* Since Centek Laboratories are not a standby subcontractor with D&B (and also not M/WBE), I will need to have a minimum of 3 comparable quotes for the work they are going to do and/or already did on this assignment. (Their Schedule (f) says November and December 2006.)

I will prepare the amendment for routing as is but won't send it out until I receive the documents from you as stated above. Please let me know if you have any questions.

Thanks, Lisa

Lisa M. Lewis
Contract Manager
NYS Dept. of Environmental Conservation
Division of Environmental Remediation
Bureau of Program Management
Contracts & Payments Section
625 Broadway, 12th Floor
Albany, NY 12233-7012

Phone: (518) 402-9601 Fax: (518) 402-9722

Email: Imlewis@gw.dec.state.ny.us

CC:

<jgjones@gw.dec.state.ny.us>, <MWright@db-eng.com>, <PCorrespondence@db-

eng.com>

Lisa Lewis

To:

kwenz@db-eng.com

Date:

2/16/2007 3:23:24 PM

Subject:

Comments on NCIA budget pages - WA D004446-6

Hi Ken-

Sorry for such a delay in getting back to you about this. I actually had most of my review done in December, but then I got caught up in payment stuff.

I know: Excuses, excuses, right?

Anyway, I only have a couple of comments on the New Cassel budget pages:

- 1. I need to have comparative quotes for the work to be done by Delta Well and Pump and by Coastal Environmental.
- 2. My calculations show your direct labor cost as a little low on schedule (b). However, I wouldn't bother adjusting anything in the work plans. Just thought I'd point out that I found a discrepancy, but the overall effect on the WA budget would be around \$540 not worth the effort for NTP approval purposes. Also, the 2007 rates you used for estimation are actually higher than the CPI-adjusted rates I sent out last month, and we'll only be reimbursing you up to that amount.

That's it for NCIA. I spoke to Joe, and his comments on the technical issues will be forthcoming sometime next week.

One other question: Do you know the status of revised work plans for Jimmy's Dry Cleaner? I submitted comments to you in November (mostly asking for comparative quotes), and I believe Heide Dudek had many technical issues with the plan. Any idea when the requested info/new plan will be sent out?

Thanks, Lisa

Lisa M. Lewis
Contract Manager
NYS Dept. of Environmental Conservation
Division of Environmental Remediation
Bureau of Program Management
Contracts & Payments Section
625 Broadway, 12th Floor
Albany, NY 12233-7012

Phone: (518) 402-9601 Fax: (518) 402-9722

Email: Imlewis@gw.dec.state.ny.us

CC:

Jones, Joseph



# New York State Department of Environmental Conservation

# **MEMORANDUM**

To:	

File

From: Subject:

Lisa Lewis, Contract Manager, CPS, BPM, DER

Review of Cost Sections for CONSULTANT Work Assignment #D00XXXX-XX Final Work Plan for the

NCIA 4446-6

Site

Date:

MANA , 2006	12/20/100	2/16/07
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I have reviewed the cost sections for the above referenced WA. The cost sections appear to be reasonable and satisfactorily completed. The following checklist outlines the review process and review comments. Please see me if you have any questions.

		analiasonor agent	Process of the Articular	Zananovani di Karana za
	GENERAL COST REVIEW CHECKLIST	Yes.	No.	Comments
	Are the costs for Task 1 and the total WA within the budget on the Conceptual Approval?		X	but of it signed
	Is there a complete set of 2.11 Schedules (a) through (h)?	X		
1.	Schedule 2.11(a)			
	Do rates for indirect costs and fixed-fee match contract rates? (Are sliding rates applicable?)	X		:
	Do numbers add up?	X		
2.	Schedule 2.11(b) - Direct Labor Hours			
	Are average reimbursement rates used for each year? (Check rates in contract vs. time period of WA.)	X.		:
	Are hours segregated by year?	X		
	Is total cost for each NSPE level shown?	X		
	Does total direct labor costs match amount on Schedule 2.11(a)?	X		
	Do total hours match hours on Schedule 2.11(h)?	X		
	Is the Principal's (NSPE level 9) time less than 2% of total time?	X		
3.	Schedule 2:11(b-1) - Direct Administrative Labor Hours			
	Is breakdown of Schedule 2.11(b-1) reasonable (i.e. within the acceptable guidelines of 4% administrative hours and 2% for Principal, both out of total project hours)? If not, did Consultant submit acceptable justification?	X		
4.	Schedules 2:11(c) and (d) - Direct Non-Salary			
	Are rates listed in Schedule 2.11(c) consistent with contract?	X		
	Are rates for in-house and/or miscellaneous costs in their contract (Schedule 2.10(b))? If not, are quotes included for any item ( <u>including</u> equipment purchases & rentals; <u>excluding</u> air fare) >\$1k? (For estimated cost, not unit cost.)	X		
	Are there any unallowable costs? (e.g. Telephone and shipping cannot be reimbursed as a direct cost if included in ICR; if an item is not in ICR, it should be on 2.10(b) or 2.10(c).)		X	
-	Are appropriate lodging/per diem rates used?	X		/
	Are rates approved for consultant-owned equipment (Schedule 2.10(c))?			NA

	GENERAL COST: REVIEW CHECKEIST	-Yes	No	Comments
	Does total direct non-salary costs match amount on Schedule 2.11(a)?	×		
	Are other direct costs (# of travel days, lodging, and field equipment usage) reasonable based			7
	on field work schedule or supporting documentation from consultant? (Ask PM)	•		4
5.	Schedule 2.11(e) - Cost-plus-fixed-fee subcontracts (typically don't need quotes)			
	Is proposed subconsultant on standby? If not, does proposed subconsultant have DEC approved rates with another standby consultant?	X		rates compare to D+B5
	Is subconsultant contract active and do rates (direct salary costs, indirect costs, direct non-salary costs, and fixed-fee) match?	X		
	Is there a breakdown of direct non-salary costs (i.e. are additional Sch. 2.11's needed)?		_	NA
	Does total subcontract amount match Schedule 2.11(a)?	X		
	Has subcontractor justified/obtained adequate quotes for any further subcontracted work?			NA
6.	Schedule 2.11(1) = Unit Price Subcontracts (aka per diem, lump sum)			
	Are proposed subcontractors on standby? If not, are there quotes for subcontracts >\$1k? Bids should be comparable (quantities and items) and provide unit costs plus job total.			
	Standby Drillers (Two-step process) - Are costs from at least 3 standbys compared? If not, an additional quote from a non-standby driller may be needed. Are proper unit costs and mob/demob costs used?		X	Ned quotes for Deltawell
	Standby Lab and Data Validators (Used on a rotational basis) - Do unit cost per sample match unit cost in standby contract?	X		
	Other - Standard solicitation rules (quotes) apply for services >\$1k.		X	Nold quotes for a
	M/WBE - Are sole-source M/WBE contracts <\$10k and cost-reasonableness documented?	X		
	Is management fee calculated only on non-professional unit priced subs >\$10k? Appropriate rate? (Fee cannot be calculated on professional engineers, architects, or surveyors.)	X		
7.	Schedule 2.11(g) - Cost Control Report		,	
	Do individual 2.11(g)s equal the summary 2.11(g) and do those costs match 2.11(a)?	X		
8.	Supplemental 2.11(g) - Cost Control Report (subs)			
	Do schedules include all applicable subcontracts and management fee? (Unit price only.)	X		
9.	Schedule 2.11(h) - Summary of Labor Hours			
	Do hours on 2.11(h) match those on 2.11(b)?	$\perp X$		
10	Supplemental Supporting Cost Information			
	Has additional cost info. been supplied which has not been incorporated into WA budget documentation?			
	List:			
	82320			
<u> </u>	\\\\	<del></del>	<u> </u>	1

cc: File wa-cost-rev-chklst.wpd

76944 \$ 540 more

Page 2, Rev 1

# REMEDIAL DESIGN WORK PLAN

# NEW CASSEL INDUSTRIAL AREA SITE OPERABLE UNIT NO. 3

SITE NO. 1-30-043

TOWN OF HEMPSTEAD
NASSAU COUNTY, NEW YORK

WORK ASSIGNMENT NO D004446-6

Prepared for:

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Prepared by:

DVIRKA AND BARTILUCCI CONSULTING ENGINEERS WOODBURY, NEW YORK

**NOVEMBER 2006** 

1/2/00

# Schedule 2.11 (a)

# Summary of Work Assignment Price New Cassel Industrial Area (OU3)

# Work Assignment Number D004446-6

				· /
1.	Direct Salary Costs (Schedules 2.10 (a	) and 2.11(b))		\$82,133
2.	Indirect Costs (Schedule 2.10 (g))			\$124,020
3.	Direct Non-Salary Costs (Schedules 2.	11 (c)and (d))	.* ÷	\$18,187
	Subcontract Costs			
	Cost-Plus-Fixed-Fee Subcontracts (Scl	hedules 2.11(e))		
	Emilcott Associates, Inc.			\$3,998
4.	Total Cost-Plus-Fixed-Fee S	Subcontracts		\$3,998
	Unit Price Subcontracts (Schedules 2.1	11(f))	*	
	Name of Subcontractor	Services To Be Performed		Subcontract Price
	Delta Well and Pump (WBE) Mitkem Corporation (MBE) Jamaica Blueprint Co., Inc. (WBE) Coastal Environmental Group, Inc.(WB	Drilling Services Sample Analysis Reproduction Services E) Waste Disposal		\$326,450 \$38,504 \$9,722 \$29,475
5.	Total Unit Price Subcontracts		•	\$404,151
6.	Subcontract Management Fee			\$20,208
7.	Total Subcontract Costs (lines 4 + 5 +	6)	•	\$428,356
8.	Fixed Fee (Schedule 2.10 (h))			\$23,708 🗸
9.	Total Work Assignment Price (lines 1 +	- 2 + 3 + 7 +8)		\$676,404

# SCHEDULE 2.11 (b) SUMMARY

# New Cassel Industrial Area (OU3) WORK ASSIGNMENT NUMBER D004446-6

Average NSPE Vage Rates	IX	VIII	VII	VI	V	IV	III :	II	ı	TOTAL HOURS
as of January 1, 2006 as of January 1, 2007 as of January 1, 2008	\$61.60 \$64.06 \$66.63	\$54.95 \$57.15 \$59.43	\$51.32 \$53.37 \$55.51	\$45.44 \$47.26 \$49.15	\$36.10 \$37.54 \$39.05	\$33.51 \$34.85 \$36.24	\$29.09 \$30.25 \$31.46	\$23.13 \$24.06 \$25.02	\$18.10 \$18.82 \$19.58	
Task 1	1	1	0	12	10	12	64	. 6	0	106
Task 2	4	2	. 0	60	16	152	1,304	14	0	1,552
Task 3	4	10	0	76	. 16	0	526	88	0	720
Task 4	.4	0	0	0	8	0	38	3	0	53
Task 5	2	4	0	6	4	0	126	16	0	158
Total Hours	15	17	0	154	54	164	2,058	127	0	2,589
Subtotal 2006 Hours		ol. (60	H.95 0	12	28 10	361.50 12	402.12 64,8	61.76 6	38 78 0	106
Subtotal 2007 Hours	12 ^	168.72	685.80 O	136	,427.36 40 1	501.60 152	197,201,868 197	١.	526. <sup>30</sup> 0	2,325
Subtotal 2008 Hours	2	133.26 4	237.72 0	6	294.90 4	56.20 O			160.32 0	158
Total Hours	15	17	0	154	54	164	2,058	127	0	2,589
Fotal Direct Labor Cost	\$958	\$969	\$0	\$7,256	\$2,013	\$5,699	\$62,187	\$3,049	\$0	\$82,133

2404\WAD004446-6 - Schedule 2.11.xls\KW

# SCHEDULE 2.11 (b)-1 Direct Administrative Labor Hours Budgeted New Cassel Industrial Area (OU3) WORK ASSIGNMENT NUMBER D004446-6

Average NSPE Wage Rates	IX	VIII	VII	VI	V	IV	-	11	.	TOTAL HOURS
as of January 1, 2006 as of January 1, 2007 as of January 1, 2008	\$64.06	\$54.95 \$57.15 \$59.43	\$51.32 \$53.37 \$55.51	\$45.44 \$47.26 \$49.15	\$37.54 \$3	33.51 34.85 36.24	\$29.09 \$30.25 \$31.46	\$23.13 \$24.06 \$25.02	\$18.10 \$18.82 \$19.58	
Task 1	0.5	0	0	0	0.5	. 0	5	4	. (	0 10
Task 2	0	0	0	0	0	0	1	10	. (	0 11
Task 3	0	0	0	0	0	0	1	36	(	0: 37
Task 4	0	0	0	0	0	0	1	3	(	) 4
Task 5	0.		0	0	0	. 0	1	16		) 17
Subtotal 2006 Hours	0.5	<b>©</b> 0	0	0	0.5	5 0	5 <sub>1</sub> 4	5. <sup>US</sup> 4	52 (	) 10
Subtotal 2007 Hours	0	. 0	0	0	0	0	390			52
Subtotal 2008 Hours	0	0	0	0	0	0		ر 16 ر	^	0 17
Total Hours	0.5	0	. 0	0	0.5	0	9	69	(	79
Total Direct Labor Cost	\$31	\$0	\$0	\$0	\$18	\$0	\$266	\$1,656	\$0	\$1,971
				,			267.60	1671,7	8	(988.

#### Dvirka & Bartilucci Consulting Engineers New Cassel Industiral Area Remedial Design Work Assignment Number: D004446-6

### BREAKDOWN OF ADMINISTRATIVE LOE HOURS ON SCHEDULE 2.11(b-1)

ADMIN				V	VOR	K PL	AN [	DEVE	LOPA	IENT					REVIEW WO				WO	RK A	SSIG	NME	NT (W	A) PR	OGF	RESS		
ACTIVITY			onfli rest								e 2.1 Iules					Conduct Progress						pare l ort &						
									_						Reviews						Sched				. (			
NSPE	IX	VIII	VII	VI	V	IV	VIII	VII	VI	TV	IV	TIII	l II	T I	VIII	VII	VI	V	IV	III	VIII	VII	VI	V.	IV	III	i ii	
TASK 1	0.5											4														1		
TASK 2										·																1		
TASK 3									_									·								1		7
TASK 4																										1		
TASK 5																				·						1		
TOTAL .	0.5	0	0	0	0	Ō	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0

ADMIN		F	EVI	EW V	VOR	KAS	SIGN	MEI	VT (W	A) PR	OGF	RESS	3		CAP PREPARATION											
ACTIVITY				/IBE/ Activ							Prog nage	ram emer	ıt		Prepare Monthly Cost Control Report & CAP							Over				
NSPE	VIII	VII	VI	V	IV	III	ll l		IX	VIII	VII	VI	V	IV	VIII	VII	VI	V	IV	111	- 11		ΙX	VIII	VII	VI
TASK 1				0.5																	1					
TASK 2																					2					
TASK 3																					12					
TASK 4																					1	•				
TASK 5																					4					
TOTAL	0	0	. 0	0.5	0	0	0	0		0	0	0	0	0	. 0	0	0	0	0	0	20	0	0.0	0	0	0

ADMIN			_				N	ISCI	ELLAN	IEOU	S														
ACTIVITY		,	Upda	ate N	SPE	List				quip Use : nven	and	t	a	ınd F	Pro- Repo ratio	rt	Total Adm. LOE (hrs)								
NSPE	VIII	VII	VI	V	IV	111	II		IV	III	-11		IV	III	- II		IX	VIII	VII	VI	V	TV		l II	П
TASK 1				ľ						ļ					3		0.5	0.0	0.0	0.0	0.5	0.0	5.0	4.0	0.0
TASK 2	- I -														8		0.0	0.0	0.0	0.0	0.0	0.0	1.0	10.0	0.0
TASK 3															24		0.0	0.0	0.0	0.0	0.0	0.0	1.0	36.0	0.0
TASK 4															2		0.0	0.0	0.0	0.0	0.0	0.0	1.0	3.0	0.0
TASK 5											, .				12		0.0	0.0	0.0	0.0	0.0	0.0	1.0	16.0	0.0
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	- 0	0	49	0	0.5	0.0	0.0	0.0	0.5	0.0	9.0	69.0	0.0

## SCHEDULE 2.11 (c) DIRECT NON-SALARY COSTS SUMMARY

New Cassel Industrial Area (OU3) Work Assignment No. D004446-6

	MAXIMUM REIMBURSEMENT		ESTIMATED NUMBER	TOTAL ESTIMATED
ITEM	RATE	UNIT	OF UNITS	COSTS
<u>TRAVEL</u>				
Transportation (Personal Car) Van Rental Gas	\$0.445 \$400.00 \$50.00	mile week week	400 16 16	\$178.00 \$6,400.00 \$800.00
MISCELLANEOUS EXPENSES				
Printing Photographs/Slides* Level D Safety Equipment	\$50.00 \$200.00 \$16.62	report set \$/person/day	0 2 120	\$0.00 \$400.00 \$1,994.40
OUTSIDE SERVICES  Express Mail (Standard Package) Express Mail (Medium Package) Express Mail (Large Package) Sample Shipping	\$35.00	package package package shipment	4 3 1 30	\$60.00 \$105.00 \$250.00 \$2,250.00
TOTAL DIRECT NON-SALARY COSTS			·	\$12,437.40

<sup>\*</sup> Includes photo finishing, slides and any other costs not associated with in-house capabilities.

#### Schedule 2.11(c)1 Direct Non-Salary Costs New Cassel Industrial Area (OU3)

	'												,	
	<u>ltem</u>	Reimbursement* <u>Rate</u>	Est. No. of Units (Task 1)	Total Cost (Task 1)	Est. No. of Units (Task 2)	Total Cost (Task 2)	Est. No. of Units (Task 3)	Total Cost (Task 3)	Est. No. of Units (Task 4)	Total Cost (Task 4)	Est. No. of Units (Task 5)	Total Cost (Task 5)	Estimated No. of <u>Units</u>	Total Estimated <u>Cost</u>
Α.	Miscellaneous (Travel)					•								*
1.	Transportation	\$0,445 /mile	50	\$22.25	200	\$89.00	- 50	\$22.25	50	\$22.25	50	\$22.25	400	\$178,00
3.	Van Rental	\$400.00 /week	0	\$0.00	. 16	\$6,400.00	. 0	\$0.00	0	\$0.00	0	\$0.00	16	\$6,400.00
4	Gas	\$50.00 /week	0_	\$0.00	16	\$800.00	. 0	\$0.00	. 0_	\$0.00	. 0	* \$0.00	16 _	\$800.00
	Subtotal (Travel)		-	\$22.25		\$7,289.00		\$22.25		\$22.25		\$22.25		\$7,378.00
В.	Miscellaneous (Expenses)			•									•	
1	Express Mail (Standard Package)	\$15.00 /package		\$15.00	. 1	\$15.00	0	\$0.00	1	\$15.00	1	\$15.00	4	\$60.00
2	Express Mail (Medium Package)	\$35.00 /package	0	\$0.00	0	\$0.00	3	\$105.00	. 0	\$0.00	0	\$0.00	3	\$105.00
3	Express Mail (Large Package)	\$250.00 /package	0	\$0.00	0	\$0.00	1	\$250.00	0 ·	\$0.00	0	\$0.00	1	\$250.00
4	Sample Shipping	\$75.00 /package	. 0	\$0.00	. 30	\$2,250.00	.0	\$0.00	0	\$0.00	. 0	\$0.00	. 30	\$2,250.00
5.	Photographs/Slides	\$200.00 Lump Sum	0	\$0.00	1	\$200.00	0	\$0.00	0	\$0.00	1	\$200.00	2	\$400.00
6.	Printing	\$50.00 /report	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0.	\$0.00
7.	Level D Safety Equipment	\$16.62 \$/person/day	0	\$0.00	120	\$1,994.40	0	\$0.00	0	\$0.00	. 0	\$0.00	120	\$1,994.40
8.	Level C Safety Equipment	\$40.00 \$/person/day	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
9.	Level B Safety Equipment	\$50.00 \$/person/day	0_	\$0.00	0	\$0.00	. 0.	\$0.00	. 0_	\$0.00	. , 0,	\$0.00	. 0 _	\$0.00
	Subtotal (Misc. Expenses)			\$15.00		\$4,459.40		\$355.00		\$15.00		\$215.00		\$5,059.40
								•				•		
_	TOTAL			\$37.25		\$11,748.40		\$377.25	· · · · · · · · · · · · · · · · · · ·	\$37.25		\$237.25		\$12,437.40

<sup>·</sup> See Schedule 2.10(b) for rates.

#### SCHEDULE 2.11 (d) 1

## EQUIPMENT PURCHASED UNDER THE CONTRACT SUMMARY

New Cassel Industrial Area (OU3) Work Assignment No. D004446-6

ITEM	ESTIMATED PURCHASE PRICE	O&M RATE (\$/per month)	TERM OF USAGE (MONTHS)	ESTIMATED USAGE COST (COL. 2 + [3X4])
None				\$0
			TOTAL	\$0

#### Schedule 2.11 (d) 2 Summary

## Maximum Reimbursement Rates for Consultant/Subconsultant - Owned Equipment New Cassel Industrial Area (OU3) Work Assignment No. D004446-6

ITEM	PURCHASE PRICE X 85%	USAGE RATE (\$/day)	CAPITAL RECOVERY RATE (\$/Unit of Time)	O & M RATE (\$/Unit of Time)	ESTIMATED USAGE (days)	ESTIMATED USAGE COST (Col. 3x6)
None						\$0
		·			TOTAL	\$0

Notes:

Usage Rate = Capital Recovery Rate + O&M rate

The maximum usage rate for an item of equipment reverts to the O&M rate when the total usage reimbursement exceed 85% of the purchase price.

# SCHEDULE 2.11 (d) 3 EQUIPMENT VENDOR RENTED SUMMARY

New Cassel Industrial Area (OU3) Work Assignment No. D004446-6

ITEM	MAXIMUM REIMBURSEMENT RATE	TIME PERIOD	ESTIMATED USAGE (period of time)	ESTIMATED USAGE COST (Col. 2 X 3)
In-Situ Mini Troll Hand Held PC Horiba U22 Water Quality Meter MIE Miniram Digital Dust Indicator Generator	\$225.00 \$100.00 \$300.00 \$200.00 \$60.00	per week per week per week per week per day	1 1 7 7 5	\$225.00 \$100.00 \$2,100.00 \$1,400.00 \$300.00
			Total	\$4,125.00

# SCHEDULE 2.11 (d) 4 SUMMARY EXPENDABLE SUPPLIES New Cassel Industrial Area (OU3) Work Assignment No. D004446-6

ITEM	ESTIMATED QUANTITY	UNITS	UNIT COST	TOTAL BUDGETED COST (COL. 2 X 3)
Polyethylene tubing	1,500	feet	\$0.25	\$375.00
			TOTAL	\$375.00

#### SCHEDULE 2.11 (d) 5 CONSUMABLE SUPPLIES SUMMARY

#### New Cassel Industrial Area (OU3)

Work Assignment No. D004446-6

ITEM	ESTIMATED QUANTITY	UNITS	UNIT COST	TOTAL BUDGETED COST (COL. 2 X 3)
Miscellaneous Supplies	5	L.S.	\$250.00	\$1,250.00
			TOTAL	\$1,250.00

### Schedule 2.11 (e) Cost-Plus-Fixed Fee Subcontracts

#### Work Assignment Number D004446-6

Name of Subcontractor: Emilcott Associates, Inc.

Services to be Performed: Develop SSHASP, Review Contractor's SSHASP for

conformance with Contract Documents

Subcontract Price: \$3,998.00

#### A. Direct Salary Costs

Professional Responsibility	Labor Classification		Maximum Reimbursement	Estimated No. of	Total Estimated
Level		t Rate (\$/hr)	Rate (\$/hr)	Hours	Direct Salary
Senior PM	II <	\$45.00	\$45.00	33,3	\$1,498.50
EH&S Consultant	VIZ	\$24.00	\$24.00	0	\$0.00
Total Direct Salary Costs			<u>'                                    </u>		\$1,498.50

#### Footnotes:

- 1) These rates will be held firm until December 31, 2006
- 2) Reimbursement will be limited to the lesser of either the individual's actual hourly rate
- 3) Reimbursement will be limited to the maximum reimbursement rate for the professional responsibility level of the actual work performed.
- 4) Only those labor classifications indicated with an asterisk (\*) will be entitled to overtime.
- Reimbursement for technical time of principals, owners and officers will be limited to the maximum reimbursement rate of that labor category, the actual hourly rate paid,
- 6) The maximum rates in each labor category can be modified only by mutual agreement

#### B. Indirect Salary Costs

Indirect costs shall be paid on a percentage of direct salary costs incurred which shall not of 132 % or the actual rate calculated in accordance with 48 Federal Acquisition Regulation, whichever is lower.

Amount budgeted for indirect costs is

\$ 1,978.02

#### C. Maximum Reimbursement Rates for Direct Non-Salary Costs

Item	Maximum	Est. No. of Units Total Estim	ated Cost
	Reimbursement Rates		
	(specify unit)		
Travel	\$0.375 /mile	\$0	0.00
Field equipment	\$40 /day	\$(	0.00
Total Direct Non-Sal	ary Costs	\$0.00	

# SCHEDULE 2.11 (f) 1 UNIT PRICE SUBCONTRACTS SUMMARY New Cassel Industrial Area (OU3) Work Assignment No. D004446-6

NAME OF SUBCONTRACTOR	SERVICES TO BE PERFORMED		SUBCONTRACT PRICE	MANAGEMENT FEE
Mitkem Corporation	Sample Analysis	·	\$38,504	\$1,925
<u>ltem</u>	<u>Method</u>	Maximum Reimbursement <u>Rate</u>	Estimated <u>Units</u>	Total Estimated <u>Cost</u>
<u>Soil</u> Hydrometer and Grain Size Analysis	ASTM D422	\$150.00 per sample	18	\$2,700.00
<u>Groundwater</u>		• • •		•
Volatile Organic Compounds Manganese Magnesium Ferrous Iron Calcium Total Organic Carbon Alkalinity Chlorides Nitrates Sulfates Carbon Dioxide Methane	EPA SOW OLM04.2 (6/00 ASP) 6/00 ASP 243.2 6/00 ASP 242.1 SM 3500 6/00 ASP 215.1 6/00 ASP 310.1 6/00 ASP 352.3 6/00 ASP 352.1 6/00 ASP 375.4 SM 4500 RSK 175	\$74.00 per sample \$14.00 per sample \$14.00 per sample \$50.00 per sample \$14.00 per sample \$15.00 per sample \$15.00 per sample \$15.00 per sample \$20.00 per sample \$20.00 per sample \$20.00 per sample \$15.00 per sample	152 139 139 152 139 13 152 13 13 13	\$11,248.00 \$1,946.00 \$1,946.00 \$7,600.00 \$1,946.00 \$390.00 \$2,280.00 \$195.00 \$195.00 \$260.00 \$715.00
QA/QC Samples Groundwater Matrix Spike/Matrix Spike Duplicate/N	Matrix Spike Blank		•	
Volatile Organic Compounds Manganese Magnesium Ferrous Iron Calcium Total Organic Carbon Alkalinity Chlorides Nitrates Sulfates Carbon Dioxide Methane Trip Blank	EPA SOW OLM04.2 (6/00 ASP) 6/00 ASP 243.2 6/00 ASP 242.1 SM 3500 6/00 ASP 215.1 6/00 ASP 415.1 6/00 ASP 310.1 6/00 ASP 352.3 6/00 ASP 352.1 6/00 ASP 375.4 SM 4500 RSK 175	\$74.00 per sample \$14.00 per sample \$14.00 per sample \$50.00 per sample \$14.00 per sample \$30.00 per sample \$15.00 per sample \$15.00 per sample \$20.00 per sample \$55.00 per sample	24 21 24 21 3 24 3 3 3 3	\$60.00 \$45.00 \$165.00
Volatile Organic Compounds	EPA SOW OLM04.2 (6/00 ASP)	\$74.00 per sample SUBTOTAL SUBCONTRACT MANAGE TOTAL		\$2,220.00 \$38,504.00 \$1,925 \$40,429.20

## SCHEDULE 2.11 (f) 2 UNIT PRICE SUBCONTRACTS SUMMARY New Cassel Industrial Area Work Assignment Number: D004446-6

NAME OF SUBCONTRACTOR
Delta Well and Pump Company, inc.

Drilling, Temporary Well Sampling and Gamma Logging

SERVICES TO BE PERFORMED

SUBCONTRACT PRICE

MANAGEMENT FEE

\$326,450

\$16,323

<u>item</u>		Maximum Reimbursement <u>Rate</u>	Estimated No. of Units	Total Estimate Costs
A. MOBILIZATION/DEMOBILIZATION,	Lump Sum	\$12,000.00	1	\$12,000.
B. MUD ROTARY PORTABLE PIT SET UP	Lump Sum	\$7,500.00	2	\$15,000.0
C. SECURITY FOR DRILL RIG AND MUD PIT	Per Hour	\$40.00	972	\$38,880.0
D. CONSTRUCTION AND REMOVAL OF DECON PAD	Lump Sum	\$900.00	1	\$900.
E WELL/BORING SET-UP	Per Well/Boring	\$250.00	9	\$2,250.
HOLLOW STEM AUGER DRILLING	•			
(1) 0-50 FEET IN DEPTH				1
C. 3.25" ID HOLLOW STEM AUGERS	Lineal Foot	. \$18.00	350	\$6,300.0
(2) 50-100 FEET IN DEPTH				
B. 3.25" ID HOLLOW STEM AUGERS	Lineal Foot	\$18.00	350	\$6,300.
(3) 100-200 FEET IN DEPTH		l		
B. 3.25" ID HOLLOW STEM AUGERS	Lineal Foot	\$22.00	700	\$15,400.
(4) 200-285 FEET IN DEPTH B. 3.25" ID HOLLOW STEM AUGERS	1:154	\$40.00	505	
B. 3.25" ID HOLLOW STEM AUGERS MUD ROTARY	Lineal Foot	\$40.00	595	\$23,800.0
				İ
(2) 0-50 FEET IN DEPTH C. 8-INCH DIAMETER BIT	Lineal Foot	\$50.00	100	\$5,000.0
(2) 50-100 FEET IN DEPTH	Cilibai Foot	\$30.00	100	\$5,000.
C. 8-INCH DIAMETER BIT	Lineal Foot	\$50.00	100	\$5,000.
(2) 100-200 FEET IN DEPTH	Linear Foot	\$30,00	100	\$3,000.
C. 8-INCH DIAMETER BIT	Lineal Foot	\$50.00	200	\$10,000.
(2) GREATER THAN 200 FEET IN DEPTH	Ciloan Cor		200	410,000.
C. 8-INCH DIAMETER BIT	Lineal Foot	\$50.00	600	\$30,000
BOREHOLE SAMPLING	Gileari cot	450.00	000	430,000.
SHELBY TUBE SAMPLING				
C. 100-200 FOOT IN DEPTH	Per Sample	\$400.00	9	\$3,600
D. GREATER THAN 200 FOOT IN DEPTH	Per Sample	\$450.00	ğ	\$4,050
BOREHOLE SAMPLING				
HYDRO PUNCH SAMPLING				
A. 0-50 FOOT IN DEPTH	Per Sample	\$225.00	2	\$450.
B. 50-100 FOOT IN DEPTH	Per Sample	\$275.00	4	\$1,100
C. 100-200 FOOT IN DEPTH	Per Sample	\$300.00	10	\$3,000
D. GREATER THAN 200 FOOT IN DEPTH	Per Sample	\$350.00	32	\$11,200.
BOREHOLE GAMMA LOGGING				
A. 285 FOOT BORINGS	Lump Sum	\$300.00	7	\$2,100
B. 500-FOOT BORINGS	Lump Sum	\$500.00	2	\$1,000
BOREHOLE ABANDONMENT				
A. 4 TO 8 INCH DIAMETER BOREHOLE	Per Foot	\$10.00	1,350	\$13,500
VERTICAL PROFILE INSTALLATION			_	
A. 2-INCH STAINLESS STEEL SCREEN (TYPE 304)	Per Foot	\$40.00	5	\$200
B. 2-INCH SCHEDULE STEEL	Per Foot	\$6.00	295	\$1,770
VERTICAL PROFILE GROUNDWATER SAMPLING (1)				
(ITEM BILLED USING WELL DEVELOPMENT HOURLY COSTS)	S			****
SUBMERSIBLE PUMP TO PURGE/COLLECT SAMPLE	Per Hour	\$200.00	224	\$44,800
BACKHOE EXCAVATOR (2)			i	
TO TRANSPORT SOIL CUTTINGS TO ROLL- OFF CONTAINER				64.000
A. MOBILIZATION AND DEMOBILIZATION B. RUBBER TIRE BACKHOE	Lump Sum Per Hour	\$1,200.00 \$125.00	220	\$1,200 \$27,500
WATER HAULING (3)	Pernour	\$125,00	220	\$27,500
(INCLUDES LABOR AND VEHICLE WITH MINIMUM OF 500 GALLO	] 381		ļ	i
CAPACITY TO SUPPLY AND TRANSPORT WATER)	Per Day	\$900.00	28	\$25,200
CONTAINERIZATION OF DRILLING MATERIAL AND STAGING	Per Day	\$500.00	20	\$23,200
A. PROVIDE CLEAN EMPTY DOT APPROVED 55	Per 55	\$50.00	70	\$3,500
GALLON DRUMS WITH SEALS, BUNGS AND LIDS	Gallon Drum		۰۰ ا	45,500
B. FILLING, MOVING AND STAGING 55 GALLON DRUMS	Per 55 .	\$30.00	70	\$2,100
ON-SITE ON PALLETS	Gallon Drum	455.55	,,,	1 42,100
C. MOVE FILLED DRUMS TO SECONDARY LOCATION	Per 55	\$35.00	70	\$2,450
WITHIN 1 MILE OF DRILL SITE	Gallon Drum		,,,	J 42,730
SITE RESTORATION		<del>                                     </del>	<del> </del>	<b>-</b>
A. TOPSOIL	Cubic Yard	\$30.00	5	\$150
B. GRASS SEEDING	Square Yard	\$15.00	10	\$150
C. ASPHALT PAVING	Bag (60 lbs.)	\$25.00	36	\$900
B SPECIALTY ITEMS (Road and Hydrant Permits)	Per Permit	\$300.00	9	\$2,700
STANDBY TIME	Per Hour	\$150.00	20	\$3,000
·	SUBTOTAL			\$326,450.
		MANAGEMENT F	EE	\$16,3
	TOTAL			\$342,772

<sup>(1)</sup> Estimated hours based on collection of 13 groundwater samples over a 4 day 8-hour period at each tempoary vertical profile well.
(2) Backhoe/Excavator to be used 2 hours a day for a duration of 110 days, to transport soil to roll - off containers. Within 1 mile of drill site.
(3) Water Hauling is estimated for 2 hours a day for a duration of a 110 days.

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# SCHEDULE 2.11 (f) 3 UNIT PRICE SUBCONTRACTS SUMMARY NEW CASSEL INDUSTRIAL AREA Work Assignment Number D004446-6

NAME OF SUBCONTRACTOR	SERVICES TO BE PERFORMED	SUBCONTRACT PRICE	MANAGEMENT <u>FEE</u>	
Coastal Environmental Group, Inc.	Waste Disposal	\$29,475	\$1,474	
<u>ltem</u>	Maximum Reimbursement <u>Rate</u>	Estimated No. of Units	Total Estimated <u>Costs</u>	
15 cubic yard container - Delivery	\$625.00 Per event	3 Events	\$1 <u>,</u> 875	
15 cubic yard container - Rental	\$25.00 Per day	154 Days	\$3,850	
15 cubic yard container - Removal	\$750.00 Per event	3 Events	\$2,250	
Disposal of non-hazardous drill cuttings	\$130.00 Per ton	80 Tons	\$10,400	
Disposal of non-hazardous drill cuttings	\$120.00 Per drum	70 Drums	\$8,400	
Disposal characterization sampling and analysis	\$675.00 Per sample	4 Samples	\$2,700	-
	SUBTOTAL SUBCONTRACT MANAGEN	IENT FEE	\$29,475 \$1,473.75 \$30.949	/

# SCHEDULE 2.11 (f) 4 UNIT PRICE SUBCONTRACTS SUMMARY New Cassel Industrial Area (OU3)

OK

New Cassel Industrial Area (OU3)
Work Assignment No. D004446-6

NAME OF SUBCONTRACTOR	SERVICES TO BE	SUBCONTRACT	MANAGEMENT
	PERFORMED	PRICE	FEE
Jamaica Blueprint Company, Inc.	Printing	\$9,722	\$486
Item  Proff Plans and Specifications (20%)	Maximum Reimbursement <u>Rate</u>	Estimated No. <u>of Units</u>	Total Estimated <u>Costs</u>
Draft Plans and Specifications (30%) Specifications, 1,000 double-sided sheets each Drawing Sets, 10 drawings each	\$105 per set	7 sets	\$735
	\$14 per set 3.90	7 sets	\$95 94,50
Draft Plans and Specifications (60%) Specifications, 1,000 double-sided sheets each Drawing Sets, 10 drawings each	\$105 per set	7 sets	\$735
	\$14 per set 13.50	7 sets	\$95 94.50
Draft Final Plans and Specifications Specifications, 1,000 double-sided sheets each Drawing Sets, 10 drawings each	\$105 per set \$14 per set \(\gamma\).50	7 sets 7 sets	\$735 \$95 94,50
Draft Plans and Specifications Specifications, 1,000 double-sided sheets each Drawing Sets, 10 drawings each	\$85 per set 84.95	77 sets	\$6,541
	\$9 per set	77 sets	\$693

SUBTOTAL
SUBCONTRACT MANAGEMENT FEE
TOTAL

\$9,722 \$486 \$10,208

Work Assignment No.: D004446-6

Task No./Name: All Tasks Complete: 0.00%

#### SCHEDULE 2.11 (g) SUMMARY

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Date Prepared:
Billing Period:
Invoice No.:

#### MONTHLY COST CONTROL REPORT SUMMARY OF FISCAL INFORMATION

	Α	В	C ·	D	I E	F	G	Н	1
·	Costs	Paid	Total	Total Costs	Estimated	Total Work		Estimated	1
Expenditure	Claimed	То	Disallowed	Incurred To	Costs To	Assignment	Approved	Under/(Over)	
Category	This Period	Date	To Date	Date (A+B+B1)	Completion	Price (A+B+E)	Budget	(G-F)	1
Calegory	THIS I CHOU	·	- TO Dute	Date (11-21)	Completion	11100 (111012)	Duaget	(01)	,
1. Direct Salary	0.00	0.00	0.00	0.00	0.00	0.00	\$82,133	0.00	<b> </b>
Costs						• •			1
	•		·						/
2. Indirect	0.00	0.00	0.00	0.00	0.00	0.00	\$124,020	0.00	√
							,	٠.,	1
							[	[ .       [	/
3. Subtotal Direct	0.00	0.00	0.00	0.00	0.00	0.00	\$206,153	0.00	$\lor$
Salary Costs							-		
and Indirect Costs									
				,		•	1		/
4. Travel	0.00	0.00	0.00	0.00	00.00	0.00	\$7,378	0.00	<b>'</b>
		•						. 1	
5. Other Non-	0.00	0.00	0.00	. 0.00	0.00	0.00	\$10,809	0.00	<b>V</b>
Salary Costs		*		e* -					Ι,
						0.00	<b>0</b> 40.40 <b>7</b>		/
6. Subtotal Direct	0.00	0.00	0.00	0.00	0.00	0.00	\$18,187	0.00	۱۷
Non-Salary Costs				*.			-		l ,
7 0 1 1 1	0.00		0.00	0.00	0.00	0.00	\$408,149	0.00	1./
7. Subcontractors	0.00	0.00		0.00	1	0.00		1 1	
7a. Management Fee	0.00	0.00	0.00	0.00	0.00	0.00	\$20,208	0.00	$ \vee $
8. Total Work	0.00	0.00	0.00	0.00	0.00	0.00	\$652,696	0.00	1./
Assignment Cost	0.00	0.00	0.00	0.00	0.00	0.00	\$032,030	0.00	
Assignment Cost		•							/
9. Fixed Fee	0.00	0.00	0.00	0.00	0.00	0.00	\$23,708	0.00	$  \bigvee \rangle$
3. I IAGU I GG	0.00	. 3.00	3.00	3.00	3.00	3.00	Ψ	5.50	
10. Total Work	0.00	0.00	0.00	0.00	0.00	0.00	\$676,404	0.00	1./
Assignment Price	5.00		3.00	,,,,			, ,		\

Project Manager (Engineer)	•	•	Date	

Work Assignment No.: D004446-6

Task No./Name: 1/Work Plan Development

Complete: 0.00%

SCHEDULE 2.11 (g)

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Date Prepared:
Billing Period:
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### MONTHLY COST CONTROL REPORT SUMMARY OF FISCAL INFORMATION

	<del></del>		SUMMART OF FISCAL INFORMATION					
:	Α	В	С	D	E	F	G	. Н
	Costs	Paid	Total	Total Costs	Estimated	Total Work		Estimated
Expenditure	Claimed	То	Disallowed	Incurred To	Costs To	Assignment	Approved	Under/(Over)
Category	This Period	Date	To Date	Date (A+B+B1)	Completion	Price (A+B+E)	Budget	(G-F)
	·							
1. Direct Salary	0.00	0.00	0.00	0.00	0.00	0.00	\$3,425	0.00
Costs								~
					*-			
2. Indirect	0.00	0.00	0.00	0.00	0.00	0.00	\$5,172	0.00
, .								
	1			·				
3. Subtotal Direct	0.00	. 0.00	0.00	0.00	0.00	0.00	\$8,598	0.00
Salary Costs	·							
and Indirect Costs					* + .		i ·	
4. Travel	0.00	0.00	0.00	0.00	0.00	0.00	\$22	0.00
5. Other Non-	0.00	0.00	0.00	0.00	0.00	0.00	\$15	0.00
Salary Costs	0.00	0.00	0.00		, , , , ,			,
Calary Costs						·		
6. Subtotal Direct	0.00	0.00	0.00	0.00	0.00	0.00	\$37	0.00
Non-Salary Costs	0.00	0.00	, 0.00	0.00	0.00	0.00		0.00
Non-Salary Costs								·
7. Subcontractors	0.00	0.00	0.00	0.00	0.00	0.00	\$2,998	0.00
7a. Management Fee	0.00	0.00	0.00	0.00	0.00	0.00	\$0	0.00
7a. Management ree	0.00	0.00	0.00	0.00	0.00	0.00		3.00
8. Total Work	0.00	0.00	0.00	0.00	0.00	0.00	\$11,634	- 0.00
Assignment Cost	0.00	0.00	0.00	0.00	0.00	0.00	<b>411,00</b> 1	0.00
Assignment Cost								
O. Fired Fac	0.00	0.00	0.00	0.00	0.00	0.00	\$989	0.00
9. Fixed Fee	0.00	0.00	0.00	0.00	0.00	0.00	1 4909	0.00
10.5		0.00			0.00	0.00	640.600	0.00
10. Total Work	0.00	0.00	0.00	0.00	0.00	0.00	\$12,622	0.00
Assignment Price	1						I	

Project Manager (Engineer)	Date	. *	

Work Assignment No.: D004446-6

Task No./Name: 2/Pre-Design Investigations

Complete: 0.00%

SCHEDULE 2.11 (g)

Page 3 of 7 Date Prepared: Billing Period: Invoice No.:

### MONTHLY COST CONTROL REPORT SUMMARY OF FISCAL INFORMATION

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	A	В	С	D	Е .	·F	G	н
	Costs	Paid	Total	Total Costs	Estimated	Total Work		Estimated
Expenditure	Claimed	То	Disallowed	Incurred To	Costs To	Assignment	Approved	Under/(Over)
Category	This Period	Date	To Date	Date (A+B+B1)	Completion	Price (A+B+E)	Budget	(G-F)
1. Direct Salary	0.00	0.00	0.00	0.00	0.00	0.00	\$48,891	0.00
Costs					. • .			
	<b>j</b>					·		
2. Indirect	0.00	0.00	0.00	0.00	0.00	0.00	\$73,826	0.00
		,			·			
		·		·				
3. Subtotal Direct	0.00	0.00	0.00	0.00	0.00	0.00	\$122,718	0.00
Salary Costs								
and Indirect Costs								
4. Travel	0.00	0.00	0.00	0.00	0.00	0.00	\$7,289	0.00
•			:				·	
5. Other Non-	0.00	0.00	0.00	0.00	0.00	0.00	\$10,209	0.00
Salary Costs	<u> </u>						·	
						:	}	
6. Subtotal Direct	0.00	0.00	0.00	0.00	0.00	0.00	\$17,498	0.00
Non-Salary Costs			*	*				·
7. Subcontractors	0.00	0.00	. 0.00	0.00	0.00	0.00	\$404,151	0.00
7a. Management Fee	0.00	0.00	0.00	0.00	0.00	0.00	\$20,208	0.00
, a. management ee							,	
8. Total Work	0.00	0.00	0.00	0.00	0.00	0.00	\$564,574	0.00
Assignment Cost	3.50	. 0,20				,	· · ·	
Assignment Cost		•			•			
9. Fixed Fee	0.00	0.00	0.00	0.00	0.00	0.00	\$14,113	0.00
9. Fixeu Fee	0.00	3.00		]	3.00	3.00	. ,,,,,	
10. Total Work	0.00	0.00	0.00	0.00	0.00	0.00	\$578,687	0.00
Assignment Price	0.00	0.00	3.00	3.00	]	3.00		
Assignment Frice:	l			L	L		L	

•				
Project Manager (Engineer)	•		Date	
, reject memeg - (		•		

Work Assignment No.: D004446-6

Task No./Name: 3/Performance Specifications

Complete: 0.00%

SCHEDULE 2.11 (g)

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Date Prepared:
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Invoice No.:

#### MONTHLY COST CONTROL REPORT SUMMARY OF FISCAL INFORMATION

	SUMMART OF FISCAL INI CRIMATION							
	Α	В	С	D	E	F	: G	Н
	Costs	Paid	Total	Total Costs	Estimated	Total Work		Estimated
Expenditure	Claimed	То	Disallowed	Incurred To	Costs To	Assignment	Approved	Under/(Over)
Category	This Period	Date	To Date	Date (A+B+B1)	Completion	Price (A+B+E)	Budget	(G-F)
Category	11		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					` ,
Direct Salary	0.00	0.00	0.00	0.00	0.00	0.00	\$23,050	0.00
Costs				•				
2. Indirect	0.00	0.00	0.00	0.00	0.00	0.00	\$34,806	0.00
2. manost					ļ ·	•		
	1 1					•		•
3. Subtotal Direct	0.00	0.00	0.00	0.00	0.00	0.00	\$57,856	0.00
Salary Costs		0.00					, ,	
and Indirect Costs							·	
and indirect costs								
4. Travel	0.00	0.00	0.00	0.00	0.00	0.00	\$22	0.00
4. Havei	0.00	0.00	0.00	0.00		0.00	¥22	
5. Other Non-	0.00	0.00	0.00	0.00	0.00	0.00	\$355	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	<b>4000</b>	0.50
Salary Costs						•		
O Outstated Discout	0.00	0.00	0.00	0.00	0.00	0.00	\$377	0.00
6. Subtotal Direct	0.00	0.00	0.00	0.00	1	0.00	Ψ317	0.00
Non-Salary Costs		•		·	·			
7. Subcontractors	0.00	0.00	0.00	0.00	0.00	0.00	\$0	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	\$0	0.00
7a. Management Fee	0.00	0.00	0.00	0.00	. 0.00	0.00	. 40	0.00
8. Total Work	0.00	0.00	0.00	0.00	0.00	0.00	\$58,233	0.00
	0.00	]	. 0.00	5.00	1 3.00	3.00	Ψ00,200	3.50
Assignment Cost				[	ĺ		,	
9. Fixed Fee	0.00	0.00	0.00	0.00	0.00	0.00	\$6,653	0.00
9. Fixed Fee	0.00	0.00	0.00	]	]	5.00	45,000	3.00
40 T-4-138/a-l-	0.00	0.00	0.00	0.00	0.00	0.00	\$64,887	0.00
10. Total Work	0.00	. 0.00	0.00	0.00	]	0.00	Ψ04,007	0.00
Assignment Price	1	i		1 .	L		l	

Project Manager (Engineer)		Date
roject manager (Engineer)		

Work Assignment No.: D004446-6
Task No./Name: 4/Citizen Participation

Complete: 0.00%

SCHEDULE 2.11 (g)

Page 5 of 7
Date Prepared:
Billing Period:
Invoice No.:

### MONTHLY COST CONTROL REPORT SUMMARY OF FISCAL INFORMATION

	T		C	D	E	F	G	Н
	Α	В			4	'	9	* *
	Costs	Paid	Total	Total Costs	Estimated	Total Work		Estimated
Expenditure	Claimed	То	Disallowed	Incurred To	Costs To	Assignment	Approved	Under/(Over)
Category	This Period	Date	To Date	Date (A+B+B1)	Completion	Price (A+B+E)	Budget	(G-F)
					,			
Direct Salary	0.00	0.00	0.00	0.00	0.00	0.00	\$1,778	0.00
Costs		•				<i>'</i>	•	
		. ~	•					
2. Indirect	0.00	0.00	0.00	0.00	0.00	0.00	\$2,685	0.00
	1			. *				
	•		•					
3. Subtotal Direct	0.00	0.00	0.00	0.00	0.00	0.00	\$4,464	0.00
Salary Costs		,						
and Indirect Costs		•						
				•				
4. Travel	0.00	0.00	0.00	0.00	0.00	0.00	\$22	0.00
4. Havei	0.00	5.55						
5. Other Non-	0.00	0.00	0.00	0.00	0.00	0.00	\$15	0.00
Salary Costs	0.00	. 0.00	0.50	0.00				
Salary Costs			0			·		
6. Subtotal Direct	0.00	0.00	0.00	0.00	0.00	0.00	\$37	0.00
II .	0.00	0.00	0.00	0.00	0.00	0.00		
Non-Salary Costs	•							
7. Subcontractors	0.00	0.00	0.00	0.00	0.00	0.00	\$0	0.00
li .	0.00	0.00	0.00	0.00	0.00	0.00	\$0	0.00
7a. Management Fee	1 . 0.00	0.00	0.00	0.00	. 0.00		•	0.00
0.71.114	0.00	0.00	0.00	0.00	0.00	0.00	\$4,501	0.00
8. Total Work	0.00	0.00	0.00	0.00	0.00	0.00	Ψ+,501	0.00
Assignment Cost							·	-
	1					0.00	\$513	0.00
9. Fixed Fee	0.00	0.00	0.00	0.00	0.00	. 0.00	ا ما عوا	0.00
. <b>  </b>	**						05.044	0.00
10. Total Work	0.00	0.00	0.00	0.00	0.00	0.00	\$5,014	0.00
Assignment Price		· .			L	<u> </u>	l	

Project Manager (Engineer)	<u> </u>	Date	

Work Assignment No.: D004446-6
Task No./Name: 5/Pre-Award Services

Complete: 0.00%

SCHEDULE 2.11 (g)

Page 6 of 7 Date Prepared: Billing Period: Invoice No.:

MONTHLY COST CONTROL REPORT
SUMMARY OF FISCAL INFORMATION

•				SUMMARY	Y OF FISCAL INFO	JRMATION			
	<u></u>	A	В	С	D	E	F	G	Н
		Costs	Paid	Total	Total Costs	Estimated	Total Work		Estimated
Expenditu	re	Claimed '	То	Disallowed	Incurred To	Costs To	Assignment	Approved	Under/(Over)
Category	. • .	This Period	Date	To Date	Date (A+B+B1)	Completion	Price (A+B+E)	Budget	(G-F)
Calcyony		111101 01100	54.6	10000			,	J	, ,
1. Direct Sal	ary	0.00	0.00	0.00	0.00	0.00	0.00	\$4,987	0.00
Costs									
2. Indirect	ı	0.00	0.00	0.00	0.00	0.00	0.00	\$7,530	0.00
							•		,
*							` .		
3. Subtotal [	Direct	0.00	0.00	0.00	0.00	0.00	0.00	\$12,517	0.00
Salary Co						,			
and Indire		,						٠	
4. Travel	•	0.00	0.00	0.00	. 0.00	0.00	0.00	\$22	0.00
	•	,						•	
5. Other Nor	1 <del>-</del>	0.00	0.00	0.00	0.00	. 0.00	0.00	\$215	0.00
Salary Co	-					•			,
•								·	
6. Subtotal [	Direct	0.00	0.00	0.00	0.00	0.00	0.00	\$237	0.00
Non-Sala	y Costs	,			'	· ·			
	•						•		
7. Subcontra	ectors	0.00	0.00	0.00	0.00	0,00	0.00	\$999	. 0.00
7a. Managem	ent Fee	0.00	0.00	0.00	0.00	0.00	0.00	\$0	0.00
<b>3</b>									
8. Total Wor	k .	0.00	0.00	0.00	0.00	0.00	0.00	\$13,75 <b>4</b>	0.00
Assignme									
,				*					
9. Fixed Fee		0.00	0.00	0.00	0.00	0.00	0.00	\$1,439	0.00
/ .					'				
10. Total Wor	k .	0.00	0.00	0.00	. 0.00	0.00	0.00	\$15,194	0.00
Assignme		'					-		

Project Manager (Engineer)	•	Date	and the second s
Project Manager (Engineer)		Duic	

Work Assignment No.: D004446-6

#### SCHEDULE 2.11 (g) SUPPLEMENTAL MONTHLY COST CONTROL REPORT SUBCONTRACTS

Page 7 of 7
Date Prepared:
Billing Period:
Invoice No.:

	Subcontract Name	Subcontract Costs Claimed This Application Incl. Resubmittals	Subcontract Costs Approved for Payment on Previous Application	Total Subcontract costs to Date (A plus B)	Subcontract Approved <u>Budget</u>	Management Fee <u>Budget</u>	Management Fee <u>Paid</u>	Total Costs <u>To Date</u>
1.	Delta Well and Pump (WBE)	\$0	\$0	\$0	\$326,450	\$16,322.50	\$0	\$0
2.	Mitkem Corporation (MBE)	\$0	\$0	\$0	\$38,504	\$1,925.20	\$0	\$0
3.	Jamaica Blueprint Co., Inc. (WBE)	\$0	\$0	\$0	\$9,722	\$486.08	\$0	\$0
4.	Coastal Environmental Group, Inc. (WBE	\$0	\$0	\$0	\$29,475	\$1,473.75	\$0	\$0 /
5.	Emilcott Associates Inc.	\$0	\$0	\$0	\$3,998	\$0	\$0	\$0
•	Total				\$408,149	\$20,208		

#### Schedule 2.11 (h)

Project Name: New Cassel Industrial Area (OU3)

Work Assignment No.: D004446-6

Date Prepared: Billing Period Invoice No.

Monthly Cost Control Report
Summary of Labor Hours

Expended to Date/Estimated To Completion

																			TOTAL NU	MBER
												·							OF DII	RECT
NSPE Labor	ΙX		VII	1	VII	.	٧	l	V	,	l I∖	IV		, III		II .	ADM	IN/	LABOR	HOURS
Classification	EXP/E	ST	EXP/I	EST	EXP/E	ST	EXP/	EST	EXP/	EST	EXP/	EST	EXP	EST	EXP/	EST	SUPPO	ORT	EXP/	EST.
														•	•					
Task 1	0/	1	0/	1	0/	0	0/	12	0/	10	0/	12	0/	64	0/	- 6	0/	. 10	0/	106
Task 2	0/	4	0/	. 2	0/	0	0/	60	0/	16	0/	152	0/	1,304	0/	14	0/	11	0/	1,552
Task 3	0/	4	0/	10	. 0/	0	0/	76	0/	16	0/	0	0/	526	0/	88	0/	37	. 0/	720
Task 4	0/	4	0/	0	0/	0	0/	Ó	. 0/	8	0/	0	0/	38	0/	3	- 0/	4	0/	53
Task 5	0/	2	0/	4	0/	0	0/	6	0/	4	0/	0	0/	126	0/	16	0/	17	0/	158
TOTAL HOURS	0/	15	0/	17	0/	0	0/	154	0/	54	0/	164	0/	2,058	0/	127	0/	79	0/	2,589













#### MBE/WBE UTILIZATION PLAN SUMMARY

#### New Cassel Industrial Area Work Assignment No. D004446-66

Areas to be Subcontracted	Subcontractor Name	MBE/WBE	Total Subcontract <u>Value</u>	% MBE/WBE <u>Utilization</u>
<ol> <li>Mitkem</li> <li>Delta Well and Pump (WBE)</li> <li>Reproduction Services</li> <li>Coastal Environmental Group</li> </ol>	Laboratory Services Drilling Services Jamaica Blueprint Co., Inc. WasteDisposal	MBE WBE WBE WBE	\$38,504 \$326,450 \$9,722 \$29,475.00	5.7% 48.3% 1.4% 4.4%
Total MBE Utilization	MBE Subcontract Value Total Contract Value	=	<u>\$38,504</u> \$676,404	5.7%
Total WBE Utilization	WBE Subcontract Value Total Contract Value	=	<u>\$365,647</u> \$676,404	54.1%
Total MBE/WBE Utilization	MBE/WBE Subcontract Value Total Contract Value	= .	\$404,151 \$676,404	59.7%

From:

Ralph Burger

To:

Jones, Joseph

Date:

6/13/2007 8:11:43 AM

Subject:

D&B Work Assignment 4446-6 New Cassel Industrial Area OU #3

I reviewed the May 1st submittal and have the following comments:

- 1) What are examples of "miscellaneous supplies" for the \$1,250 shown on 2.11(d)5. Add a footnote to the schedule with examples of supply items.
- 2) Emilcott Associates was budgeted in D&B WA 3600-25 for a lump sum health and safety plan for \$1,500 in 2003 on NCIA. In the current work assignment it is proposed as a cost plus fixed fee subcontractor for \$3,998. Is the work necessary and isn't it simply an update of the old work done previously? Since the indirect cost rate is proposed at 132%, the subconsultant will have to submit an audit of its indirect cost rate and resumes of the proposed staff.
- 3) Delta Well and Pump is proposed for drilling services for \$327,730. If no other quotes were received how does D&B know the costs are reasonable? Was an engineers estimate made prior to requesting quotes? If not, D&B will have to solicit additional quotes to justify cost reasonableness.
- 4) If the surveying services are too unknown at this time to get quotes, the cost will have to be addressed when the scope of work can be more accurately defined either through re-budgeting excess funds from somewhere else in the work assignment or through an amendment. Remove the \$15,000 from the budget and note in it that it will need to be addressed in the future.
- 5) I did not see an M/WBE utilization plan in the draft work plan. This must be added to it as it is a contract requirement.

1) what might be the "miscelleneous supplies"? 1,250? examples of?

2) Emiliott Asso., Inc. - 12.668 multiplin - used before hump sum on old as tract for \$1,500.

3) If moster but were recieved for drilling services how tres D&B know the west are reasonable? Did they do on engineers estemble prior to I requestry questes?

4) If surveying services are unknown at this time, remove the \$15,000. Its can be addressed withen through re-budgeting or a WA amendment.

From:

Lisa Lewis

To:

Jones, Joseph

Date:

4/19/2007 4:42:48 PM

Subject:

Re: D&B overbudget on NCIA work plan costs

Thanks for the update.

>>> Joseph Jones 4/19/2007 4:15 PM >>>

I am attempting to obtain more infor from the consultant. Talk to you next week. Enjoy.

>>> Lisa Lewis 04/18/07 10:27 AM >>>

Joe-

Frank DeVita just called to speak with me about the NCIA work plan. He said that the work plan development cost went overbudget by about \$8.000.

If you have the specific info for WHY the cost was increased so much, please forward it to Mike Cruden (and copying me) so that he can approve the higher budget amount. Then the e-mail with approval can be routed around as justification with the final work plan.

Let me know if you need any further information.

Lisa

From:

Lisa Lewis

To:

KWenz@db-eng.com

Date:

2/16/2007 4:12:53 PM

Subject:

RE: Comments on NCIA budget pages - WA D004446-6

Oops, sorry. Yes, I got the signed amendment requests from Rich. They are on routing along with a few others. Hopefully they will all go through, but I've been told we won't hear back for about two months. Thanks for the info on Jimmy's. Have a great weekend! (We're out on Monday, by the way.)

#### Lisa

>>> <KWenz@db-eng.com> 2/16/2007 3:35 PM >>>

Thanks! I will forward your comments to Frank DeVita, who is managing the NCIA work assignment. Regarding Jimmy's, we received Heidi's okay on the revised pilot test scope of work on Monday afternoon and are working on revising the work plan accordingly. I am hoping to have something to you in a week or two.

Did you ever receive the signed CAP increase requests from Rich? I thought that they were signed but did not receive a copy of any transmittal to you.

#### Ken

Kenneth P. Wenz, Jr., CPG Dvirka and Bartilucci Consulting Engineers 330 Crossways Park Drive Woodbury, NY 11797 Telephone: (516) 364-9890 Fax: (516) 364-9045 kwenz@db-eng.com

----Original Message-----

From: Lisa Lewis [mailto:lmlewis@gw.dec.state.ny.us]

Sent: Friday, February 16, 2007 3:23 PM

To: KWenz@db-eng.com

Cc: Joseph Jones

Subject: Comments on NCIA budget pages - WA D004446-6

#### Hi Ken-

Sorry for such a delay in getting back to you about this. I actually had most of my review done in December, but then I got caught up in payment stuff.

I know: Excuses, excuses, right?

Anyway, I only have a couple of comments on the New Cassel budget pages:

- 1. I need to have comparative quotes for the work to be done by Delta Well and Pump and by Coastal Environmental.
- 2. My calculations show your direct labor cost as a little low on schedule (b). However, I wouldn't bother adjusting anything in the work plans. Just thought I'd point out that I found a discrepancy, but the overall effect on the WA budget would be around \$540 - not worth the effort for NTP approval

purposes. Also, the 2007 rates you used for estimation are actually higher than the CPI-adjusted rates I sent out last month, and we'll only be reimbursing you up to that amount.

That's it for NCIA. I spoke to Joe, and his comments on the technical issues will be forthcoming sometime next week.

One other question: Do you know the status of revised work plans for Jimmy's Dry Cleaner? I submitted comments to you in November (mostly asking for comparative quotes), and I believe Heide Dudek had many technical issues with the plan. Any idea when the requested info/new plan will be sent out?

Thanks, Lisa

Lisa M. Lewis
Contract Manager
NYS Dept. of Environmental Conservation
Division of Environmental Remediation
Bureau of Program Management
Contracts & Payments Section
625 Broadway, 12th Floor
Albany, NY 12233-7012

Phone: (518) 402-9601 Fax: (518) 402-9722

Email: Imlewis@gw.dec.state.ny.us

From:

<FDeVita@db-eng.com>

To:

<jgjones@gw.dec.state.ny.us>

Date:

5/1/2007 3:20:42 PM

Subject:

New Cassel Industrial Area Operable Unit No. 3 - Final Draft Reme dial Design Work

Plan (D&B Job No. 2564)

Joe -

Attached please find the revised Schedule 2.11 forms for the above referenced work plan. Below please find a summary of the major changes to the forms as previously submitted:

- \* 2.11 (a), Total Work Assignment Price increased from \$676,404 to \$698,418. This is primarily due to an increase in labor for Task 1 given the level of effort required to prepare the project management work plan (PMWP) as a result of the project complexity, as well as, the addition of a \$15,000 allowance for surveying costs associated with pre-design investigation activities.
- \* 2.11 (c) and 2.11(c)1, Mileage reimbursement rate increased to \$ 0.485.
- \* 2.11 (d)3, total budget decreased to \$3,710 as a result of obtaining competitive quotes for vendor rented equipment.
- \* 2.11 (f)2, Drilling costs increased to \$344,116.50 to accommodate for the installation of temporary sound barriers surrounding the mud rotary drill rig, as per the contractor's recommendation, to attenuate noise pollution generated as a result of the work.
- \* 2.11 (f)2, Please note that of all the drilling contractors contacted for the purposes of soliciting competitive quotes for performance of the work, Delta Well and Pump Company, Inc. was the only firm to submit a bid. All other firms elected not to bid.
- \* 2.11 (f)3, total costs for waste disposal decreased to \$21,023 as a result of obtaining competitive quotes for performance of the work. Brookside Environmental Inc. was determined to be the lowest competent firm capable of performing the work required.
- \* 2.11 (f)5, An allowance of \$15,000 has been added to the work assignment budget for surveying costs associated with pre-design investigation activities. The allowance has been included given that the scope of surveying services required is dependant upon the results of the pre-design investigation. Upon soliciting costs for performance of the required services, a bid tabulation will be forwarded to the NYSDEC for approval recommending the lowest bidder qualified to perform the work.
- \* 2.11 (g), These forms have been modified accordingly to reflect the changes noted above.

Attached please also find an adobe acrobat file containing the NYSDEC Cost Review For Work Plan Check List (includes cost comparison spreadsheets for equipment and subcontractors) for your files. Should you have any comments/questions concerning the enclosed please do not hesitate to contact me at (516) 364-9890. Thank you.

<<Schdeule 2.11s.pdf>> <<Cost Review for Work Plan Checklist.pdf>>

- > FRANK DEVITA
- > Dvirka and Bartilucci Consulting Engineers
- > 330 Crossways Park Drive
- > Woodbury, New York 11797



- > 516-364-9890;9045(Fax)
- > fdevita@db-eng.com

CC: eng.com> </mlewis@gw.dec.state.ny.us>, <MWright@db-eng.com>, <PCorrespondence@db-</pre>

#### Schedule 2.11 (a)

#### Summary of Work Assignment Price New Cassel Industrial Area (OU3)

#### Work Assignment Number D004446-6

1.	Direct Salary Costs (Schedules 2.10 (a) and	i 2.11(b))		\$87,580	
2.	Indirect Costs (Schedule 2.10 (g))			\$132,245	
3.	Direct Non-Salary Costs (Schedules 2.11 (c	and (d))		\$17,788	×
,	Subcontract Costs				
	Cost-Plus-Fixed-Fee Subcontracts (Schedu	lles 2.11(e))			Ć
	Emilcott Associates, Inc.			\$3,998	ŗ
					_
4.	Total Cost-Plus-Fixed-Fee Subc	ontracts		\$3,998	
	Unit Price Subcontracts (Schedules 2.11(f))	), ),			
	Name of Subcontractor Se	ervices To Be Performed	Subcor	tract Price	
	Mitkem Corporation (MBE)  Jamaica Blueprint Co., Inc. (WBE)  Brookside Environmental Inc.	rilling Services ample Analysis eproduction Services /aste Disposal urveying Services		\$327,730 \$38,504 \$9,722 \$20,022 \$15,000	Egypt .
5.	Total Unit Price Subcontracts			\$410,978	
6.	Subcontract Management Fee			\$20,549	
7.	Total Subcontract Costs (lines 4 + 5 + 6)			\$435,524	
8.	Fixed Fee (Schedule 2.10 (h))			\$25,280	
9.	Total Work Assignment Price (lines 1 + 2 +	3 + 7 +8)		\$698,418	}

SCHEDULE 2.11 (b)
SUMMARY
New Cassel Industrial Area (OU3)
WORK ASSIGNMENT NUMBER D004446-6

Average NSPE Wage Rates	IX	VIII	VII	VI	V	IV	III	<u> II</u>	1	TOTAL HOURS
as of January 1, 2006 as of January 1, 2007 as of January 1, 2008	\$61.60 \$63.45 \$65.99	\$54.95 \$56.60 \$58.86	\$52.86 \$46.80		\$36.10 \$37.18 \$38.67	\$33.51 \$34.52 \$35.90	\$29.09 \$29.96 \$31.16	\$23.13 \$23.82 \$24.78	\$18.10 \$18.64 \$19.39	
Task 1	2	2	0	36	14	20	170	10	0	254
Task 2	4	2	0	60	16	160	1,332	18	0	1,592
Task 3		10	0	76	16	0	526	88	0	716
Task 4	4	0	0	0	8	0	38	3	0	53
Task 5	2	4	0	6	4	0	126	16	0	158
Total Hours	12	18	0	178	58	180	2,192	135	0	2,773
Subtotal 2006 Hours	2	2	0	36	. 14	20	170	10	0	254
Subtotal 2007 Hours	8	12	0	136	40	160	1,896	109	0	2,361
Subtotal 2008 Hours	2	4	0	6	4	0	126	16	0	158
Total Hours	12	18	0	178	58	180	2,192	135	0	2,773
Total Direct Labor Cost	\$763	\$1,025	\$0	\$8,293	\$2,147	\$6,193	\$65,681	\$3,225	\$0	\$87,326

SCHEDULE 2.11 (b)-1
Direct Administrative Labor Hours Budgeted
New Cassel Industrial Area (OU3)
WORK ASSIGNMENT NUMBER D004446-6

Average NSPE Wage Rates	IX	VIII	VII	VI	V	IV	111	II .	1	TOTAL HOURS
as of January 1, 2006 as of January 1, 2007 as of January 1, 2008	\$61.60 \$63.45 \$65.99	\$54.95 \$56.60 \$58.86	\$51.32 \$52.86 \$54.97	\$45.44 \$46.80 \$48.68	\$36.10 \$37.18 \$38.67	\$33.51 \$34.52 \$35.90	\$29.09 \$29.96 \$31.16	\$23.13 \$23.82 \$24.78	\$18.10 \$18.64 \$19.39	
Task 1	0.5	0	0	0	0.5	0	5	8	0	14
Task 2	0	0	0	0	. 0	0	1	12	0	13
Task 3	0	0	0	0	0	0	1	36	0	37
Task 4	0	0	. 0	0	0	0	1	3	0	. 4
Task 5	0	0	0	0	. 0	0	1	16	0	17
Subtotal 2006 Hours	0.5	0	0	0	0.5	0	5	8	0	14
Subtotal 2007 Hours	0	0	0	0	. 0	0	3	51	0	54
Subtotal 2008 Hours	O	0	0	0	0	0	1	16	0	17
Total Hours	0.5	0	0	0	0.5	0	9	75	0	<b>8</b> 5
Total Direct Labor Cost	\$31	\$0	\$0	\$0	\$18	\$0	\$265	\$1,781	\$0	\$2,095

#### Dvirka & Bartilucci Consulting Engineers New Cassel Industiral Area Remedial Design Work Assignment Number: D004446-6

## BREAKDOWN OF ADMINISTRATIVE LOE HOURS ON SCHEDULE 2.11(b-1)

ADMIN	WORK PLAN DEVEL				N DEVELOPMENT					REVIEW WORK ASSIGNMENT (WA) PROGRESS								;										
ACTIVITY	Interest Checks				Prepare 2.11 Schedules							Conduct Progress Reviews				Prepare Monthly Report & Update Schedules												
NSPE	IX	VIII	VII	VI	V	IV	VIII	VII	VI	V	IV.	III	-11	ŀ	VIII	VII	VI	V	IV	111	VIII	VII	VI	V	T IV	111	11	
TASK 1	0.5											4														1		
TASK 2																										1		
TASK 3																										1		
TASK 4		·																								1		
TASK 5																										1		
TOTAL .	0.5	0	0	0			0	0	0	0	0	4	0	0	0	0	. 0	0	0	0	0	0	0	C	0	5	0	0

ADMIN	T	F	REVII	EW V	VOR	K AS	SIGN	MEI	W TV	A) PF	ROGE	RESS	3						CAF	PR	PARA	ATIO	N			
ACTIVITY	MBE/WBE Activities								Prog	ram emer	nt		Prepare Monthly Overs Cost Control CAF Report & CAP													
NSPE	VIII	VII	VI	V	IV	111		1.	IX	VIII	VII	VI	V	IV	VIII	VII	VI	V	IV		II		IX	VIII	VII	VI
TASK 1				0.5																	2					
TASK 2			·																		2					
TASK 3																					12					
TASK 4																					1					
TASK 5																					4					
TOTAL	. 0	0	0	0.5	0	0	0	0	O	0	0	0	0	0	. 0	0	0	0	0	0	21	. 0	0.0	0	0	. 0

ADMIN		MISCELLANEOUS																							
ACTIVITY	Update NSPE List							Equipment Use and Inventory			Word Proc. and Report Preparation			Total Adm. LOE (hrs)											
NSPE	VIII	VII	VI	V	IV	III		T	IV	III	11	1	IV	III	II	I	IX	VIII	VII	VI	V	IV	III	- []	I
TASK 1															6		0.5	0.0	0.0	0.0	0.5	0.0	5.0	8.0	0.0
TASK 2			,												10		0.0	0.0	0.0	0.0	0.0	0.0	1.0	12.0	
TASK 3															24		0.0	0.0	0.0	0.0	0.0	0.0	1.0	36.0	
TASK 4															2		0.0	0.0	0.0	0.0	0.0	0.0	1.0	3.0	0.0
TASK 5															12		0.0	0.0	0.0	0.0	0.0	0.0	1.0		0.0
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	54	0	0.5	0.0	0.0	0.0	0.5	0.0	9.0	75.0	0,0

# SCHEDULE 2.11 (c) DIRECT NON-SALARY COSTS SUMMARY

New Cassel Industrial Area (OU3) Work Assignment No. D004446-6

<del></del>			
MAXIMUM	·	ESTIMATED	TOTAL
REIMBURSEMENT		1	ESTIMATED
RATE	UNIT	OF UNITS	COSTS
		·	
\$0.485	mile	400	\$194.00
\$400.00	week	16	\$6,400.00
i .	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	i	\$800.00
,			<b>,</b>
\$50.00	report	0	\$0.00
\$200.00	set	2	\$400.00
\$16.62	\$/person/day	120	\$1,994.40
\$15.00	package	4	\$60.00
\$35.00	package	3	\$105.00
\$250.00	package	1	\$250.00
\$75.00	shipment	30	\$2,250.00
			\$12,453.40
	\$0.485 \$400.00 \$50.00 \$50.00 \$16.62 \$15.00 \$35.00 \$250.00	### REIMBURSEMENT RATE UNIT    \$0.485	REIMBURSEMENT RATE         UNIT         NUMBER OF UNITS           \$0.485         mile week         400           \$400.00         week         16           \$50.00         report set         2           \$200.00         set         2           \$16.62         \$/person/day         120           \$35.00         package         3           \$250.00         package         3           \$250.00         package         1

<sup>\*</sup> Includes photo finishing, slides and any other costs not associated with in-house capabilities.

#### Schedule 2.11(c)1 Direct Non-Salary Costs New Cassel Industrial Area (OU3)

	<u>ltem</u>	Reimbursement* <u>Rate</u>	Est. No. of Units (Task 1)	Total Cost (Task 1)	Est. No. of Units (Task 2)	Total Cost (Task 2)	Est. No. of Units (Task 3)	Total Cost (Task 3)	Est. No. of Units (Task 4)	Total Cost (Task 4)	Est. No. of Units (Task 5)	Total Cost (Task 5)	Estimated No. of <u>Units</u>	Total Estimated <u>Cost</u>
A.	Miscellaneous (Travel)													
1.	Transportation	\$0.485 /mile	50	\$24.25	200	\$97.00	50	\$24.25	50	\$24.25	50	\$24.25	400	\$194.00
2.		\$400.00 /week	0	\$0.00	. 16	\$6,400.00	0	\$0.00	. 0	\$0.00	0		16	\$6,400.00
3.	Gas	\$50.00 /week	o_	\$0.00	16_	\$800.00	0_	\$0.00	0_	\$0.00	0	\$0.00	16 _	\$800.00
	Subtotal (Travel)			\$24.25	•	\$7,297.00		\$24.25		\$24.25		\$24.25	.•	\$7,394.00
В.	Miscellaneous (Expenses)												•	•
1	Express Mail (Standard Package)	\$15.00 /package	1	\$15.00	1	\$15.00	. 0	\$0.00	` 1	\$15.00	1	\$15.00	4	\$60.00
2	Express Mail (Medium Package)	\$35.00 /package	. 0	\$0.00	0	\$0.00	3	\$105.00	0	\$0.00	0	\$0.00	3	\$105.00
3	Express Mail (Large Package)	\$250.00 /package	0	\$0.00	0	\$0.00	1	\$250.00	0	\$0.00	0	\$0.00	1	\$250.00
4	Sample Shipping	\$75.00 /package	0	\$0.00	30	\$2,250.00	. 0	\$0.00	0	\$0.00	.0	\$0.00	. 30	\$2,250.00
	Photographs/Slides	\$200.00 Lump Sum	0	\$0.00	1	\$200.00	. 0	\$0.00	. 0	\$0.00	1	\$200.00	2	\$400.00
	Printing	\$50.00 /report	0	\$0.00	0	\$0.00	. 0	\$0.00	0	\$0.00	. 0	\$0.00	0	\$0.00
	Level D Safety Equipment	\$16.62 \$/person/day		\$0.00	120	\$1,994.40	0	\$0.00	0	\$0.00	0	\$0.00	120	\$1,994.40
	Level C Safety Equipment	\$40.00 \$/person/day		\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
9.	Level B Safety Equipment	\$50.00 \$/person/day	0_	\$0.00	0_	\$0.00	0_	\$0.00	0_	\$0.00	. 0_	\$0.00	0_	\$0.00
	Subtotal (Misc. Expenses)			\$15.00		\$4,459.40		\$355.00		\$15.00		\$215.00		\$5,059.40
	٠.												•	
	TOTAL			\$39.25		\$11,756.40		\$379.25	···········	\$39.25		\$239.25		\$12,453.40

<sup>\*</sup> See Schedule 2.10(b) for rates.

#### SCHEDULE 2.11 (d) 1

## EQUIPMENT PURCHASED UNDER THE CONTRACT SUMMARY

New Cassel Industrial Area (OU3) Work Assignment No. D004446-6

ITEM	ESTIMATED PURCHASE PRICE	O&M RATE (\$/per month)	TERM OF USAGE (MONTHS)	ESTIMATED USAGE COST (COL. 2 + [3X4])
None				\$0
			TOTAL	\$0

#### Schedule 2.11 (d) 2 Summary

## Maximum Reimbursement Rates for Consultant/Subconsultant - Owned Equipment New Cassel Industrial Area (OU3) Work Assignment No. D004446-6

ITEM	PURCHASE PRICE X 85%	USAGE RATE (\$/day)	O & M RATE (\$/Unit of Time)	ESTIMATED USAGE (days)	ESTIMATED USAGE COST (Col. 3x6)
None					\$0
			 	TOTAL	\$0

Notes:

Usage Rate = Capital Recovery Rate + O&M rate

The maximum usage rate for an item of equipment reverts to the O&M rate when the total usage reimbursement exceed 85% of the purchase price.

#### SCHEDULE 2.11 (d) 3 EQUIPMENT VENDOR RENTED SUMMARY

New Cassel Industrial Area (OU3) Work Assignment No. D004446-6

ITEM	MAXIMUM REIMBURSEMENT RATE	TIME PERIOD	ESTIMATED USAGE (period of time)	ESTIMATED USAGE COST (Col. 2 X 3)
In-Situ Mini Troll Hand Held PC Horiba U22 Water Quality Meter MIE Miniram Digital Dust Indicator Generator	\$200.00 \$200.00 \$250.00 \$180.00 \$60.00	per week per week per week per week per day	1 1 7 7 5	\$200.00 \$200.00 \$1,750.00 \$1,260.00 \$300.00
			Total	\$3,710.00

# SCHEDULE 2.11 (d) 4 SUMMARY EXPENDABLE SUPPLIES New Cassel Industrial Area (OU3) Work Assignment No. D004446-6

ITEM	ESTIMATED QUANTITY	UNITS	UNIT COST	TOTAL BUDGETED COST (COL. 2 X 3)
Polyethylene tubing	1,500	feet	\$0.25	\$375.00
			TOTAL	\$375.00

#### SCHEDULE 2.11 (d) 5 CONSUMABLE SUPPLIES SUMMARY

New Cassel Industrial Area (OU3) Work Assignment No. D004446-6

ITEM	ESTIMATED QUANTITY	UNITS	UNIT COST	TOTAL BUDGETED COST (COL. 2 X 3)
Miscellaneous Supplies	5	L.S.	\$250.00	\$1,250.00
			TOTAL	\$1,250.00

#### Schedule 2.11 (e) Cost-Plus-Fixed Fee Subcontracts

#### Work Assignment Number D004446-6

Name of Subcontractor: Emilcott Associates, Inc.

Services to be Performed: Develop SSHASP, Review Contractor's SSHASP for

conformance with Contract Documents

Subcontract Price: \$3,998.00

#### A. Direct Salary Costs

Professional	Labor	Average	Maximum	Estimated	Total
Responsibility	Classification	Reimbursemen	Reimbursement	No. of	Estimated
Level	Ì	t Rate (\$/hr)	Rate (\$/hr)	Hours	Direct Salary
Senior PM	VI	\$45.00	\$45.00	33.3	\$1,498.50
EH&S Consultant	II	\$24.00	\$24.00	0	\$0.00
Total Direct Salary Costs				•	\$1,498.50

#### Footnotes:

- 1) These rates will be held firm until December 31, 2006
- 2) Reimbursement will be limited to the lesser of either the individual's actual hourly rate
- 3) Reimbursement will be limited to the maximum reimbursement rate for the professional responsibility level of the actual work performed.
- 4) Only those labor classifications indicated with an asterisk (\*) will be entitled to o
- Reimbursement for technical time of principals, owners and officers will be limited to the maximum reimbursement rate of that labor category, the actual hourly rate paid,
- 6) The maximum rates in each labor category can be modified only by mutual agreement

#### B. Indirect Salary Costs

Indirect costs shall be paid on a percentage of direct salary costs incurred which shall not of 132 % or the actual rate calculated in accordance with 48 Federal Acquisition Regulation, whichever is lower.

Amount budgeted for indirect costs is

\$1,978.02

#### C. Maximum Reimbursement Rates for Direct Non-Salary Costs

Item	Maximum Reimbursement Rates (specify unit)	Est. No. of Units Total Estimated Co	ost
Travel	\$0.375 /mile	\$0.00	
Field equipment	\$40 /day	\$0.00	
Total Direct Non-Sa	lary Costs	\$0.00	

# SCHEDULE 2.11 (f) 1 UNIT PRICE SUBCONTRACTS SUMMARY New Cassel Industrial Area (OU3) Work Assignment No. D004446-6

NAME OF SUBCONTRACTOR	SERVICES TO BE PERFORMED		SUBCONTRACT PRICE	MANAGEMENT FEE
Mitkem Corporation	Sample Analysis	•	\$38,504	\$1,925
<u>ltem</u>	<u>Method</u>	Maximum Reimbursement <u>Rate</u>	Estimated <u>Units</u>	Total Estimated <u>Cost</u>
Soil			• •	
Hydrometer and Grain Size Analysis	ASTM D422	\$150.00 per sample	e 18	\$2,700.00
Groundwater	•	•	. بم	
Volatile Organic Compounds	EPA SOW OLM04.2 (6/00 ASP)	\$74.00 per sample	9 € 152	\$11,248.00
Manganese	6/00 ASP 243.2	\$14.00 per sample	139	\$1,946.00
Magnesium	6/00 ASP 242.1	\$14.00 per sample	9 139	\$1,946.00
Ferrous iron	SM 3500	\$50.00 per sample		\$7,600.00
Calcium	6/00 ASP 215.1	\$14.00 per sample		\$1,946.00
Total Organic Carbon	6/00 ASP 415.1	\$30.00 per sample		\$390.00
Alkalinity	6/00 ASP 310.1	\$15.00 per sample	152	\$2,280.00
Chlorides	6/00 ASP 325.3	\$15.00 per sample		
Nitrates	6/00 ASP 352.1	\$15.00 per sample		\$195.00
Sulfates	6/00 ASP 375.4	\$20.00 per sample		• • • • • • •
Carbon Dioxide	SM 4500	\$15.00 per sample		
Methane	RSK 175	\$55.00 per sample		•
QA/QC Samples				
Groundwater	•			
Matrix Spike/Matrix Spike Duplicate/M	Natrix Spike Blank	•		
Volatile Organic Compounds	EPA SOW OLM04.2 (6/00 ASP)	\$74.00 per sampl	e <b>√</b> . 24	\$1,776.00
Manganese	6/00 ASP 243.2	\$14.00 per sampl		\$294.00
Magnesium	6/00 ASP 242.1	\$14.00 per sample	e √ 21	
Ferrous Iron	SM 3500	\$50.00 per sampl		
Calcium	6/00 ASP 215.1	\$14.00 per sampl	e 🗸 21	4 . ,
Total Organic Carbon	6/00 ASP 415.1	\$30.00 per sampl		
Alkalinity	6/00 ASP 310.1	\$15.00 per sampl	e / 24	• • • • •
Chlorides	6/00 ASP 325,3	\$15.00 per sampl	e 🗸	
Nitrates	6/00 ASP 352.1	\$15.00 per sampl	e V	
Sulfates	6/00 ASP 375.4	\$20.00 per sampl		
Carbon Dioxide	SM 4500	\$15.00 per sampl		
Methane	RSK 175	\$55.00 per sampl		•
MAICHIGHE	NON ITO	φουίου hei sailibi	<del>.</del>	, \$100.00
Trip Blank				
Volatile Organic Compounds	EPA SOW OLM04.2 (6/00 ASP)	\$74.00 per sample	e 30	\$2,220.00
		SUBTOTAL SUBCONTRACT MAN TOTAL	AGEMENT FEE	\$38,504.00 \$1,925 \$40,429.20

## SCHEDULE 2.11 (f) 2 UNIT PRICE SUBCONTRACTS SUMMARY New Cassel Industrial Area

#### Work Assignment Number: D004446-6

NAME OF SUBCONTRACTOR Delta Well and Pump Company, Inc.

SERVICES TO BE PERFORMED

SUBCONTRACT

MANAGEMENT FEE

PRICE

Drilling, Temporary Well Sampling and Gamma Logging

\$327,730

\$16,387

\$16,387

\$344,116.50

	<u>Item</u>		Maximum Reimbursement <u>Rate</u>	Estimated No. of Units	Total Estimated Costs
1.	A. MOBILIZATION/DEMOBILIZATION,	Lump Sum	\$12,000.00	. 1	\$12,000.00
	B. MUD ROTARY PORTABLE PIT SET UP	Lump Sum	\$7,500.00	2	\$15,000.00
	C. SECURITY FOR DRILL RIG AND MUD PIT	Per Hour	\$40.00	972	\$38,880.00
- 1	D. CONSTRUCTION AND REMOVAL OF DECON PAD	Lump Sum	\$900.00	. 1	\$900.00
	E. SOUND BARRIER FOR MUD ROTARY DRILLING	Linear Foot	\$20.00	64	\$1,280.00
	F. WELL/BORING SET-UP	Per Well/Boring	\$250.00	9	\$2,250.00
2	HOLLOW STEM AUGER DRILLING				
	(1) 0-50 FEET IN DEPTH C. 3.25" ID HOLLOW STEM AUGERS	Lineal Foot	\$18.00	350	\$6,300.00
	(2) 50-100 FEET IN DEPTH B. 3.25" ID HOLLOW STEM AUGERS	Lineal Foot	\$18.00	350	\$6,300.00
	(3) 100-200 FEET IN DEPTH B. 3.25" ID HOLLOW STEM AUGERS	Lineal Foot	\$22.00	700	\$15,400.00
	(4) 200-285 FEET IN DEPTH				
	MUD ROTARY	Lineal Foot	\$40.00	595	\$23,800.00
	(2) 0-50 FEET IN DEPTH C. 8-INCH DIAMETER BIT (2) 50-100 FEET IN DEPTH	Lineal Foot	. \$50.00	100	\$5,000.00
	(2) 30-100 FEET IN DEFTH  C. 8-INCH DIAMETER BIT  (2) 100-200 FEET IN DEPTH	Lineal Foot	\$50.00	100	\$5,000.00
	C. 8-INCH DIAMETER BIT	Lineal Foot	\$50.00	200	\$10,000.00
	(2) GREATER THAN 200 FEET IN DEPTH C. 8-INCH DIAMETER BIT	Lineal Foot	\$50.00	600	\$30,000.00
	BOREHOLE SAMPLING SHELBY TUBE SAMPLING				
.	C. 100-200 FOOT IN DEPTH	Per Sample	\$400.00	, 9	\$3,600.00
	D. GREATER THAN 200 FOOT IN DEPTH	Per Sample	\$450.00	9	\$4,050.00
.	BOREHOLE SAMPLING HYDRO PUNCH SAMPLING				
	A. 0-50 FOOT IN DEPTH	Per Sample	\$225.00	2	\$450.00
	B. 50-100 FOOT IN DEPTH	Per Sample	\$275.00		\$1,100.00
	C. 100-200 FOOT IN DEPTH	Per Sample	\$300.00		\$3,000.00
	D. GREATER THAN 200 FOOT IN DEPTH	Per Sample	\$350.00	32	\$11,200.00
	BOREHOLE GAMMA LOGGING	r el Gample	\$ \$550.00	<u> </u>	Ψ11,200.00
	A. 285- FOOT BORINGS	Lump Sum	\$300.00	7	\$2,100.00
	B. 500-FOOT BORINGS	Lump Sum	\$500.00	2	\$1,000.00
7.	BOREHOLE ABANDONMENT	Lump Sum	Ψ500.00		Ψ1,000.00
۲٠	A. 4 TO 8 INCH DIAMETER BOREHOLE	Per Foot	\$10.00	1,350	\$13,500.00
8.	VERTICAL PROFILE INSTALLATION	reiroot	\$10.00	1,330	\$13,300.00
٥.	A. 2-INCH STAINLESS STEEL SCREEN (TYPE 304)	Per Foot	\$40.00	5	\$200.00
	B. 2-INCH SCHEDULE STEEL	Per Foot	\$6.00		\$1,770.00
16.	VERTICAL PROFILE GROUNDWATER SAMPLING (1)				
	(ITEM BILLED USING WELL DEVELOPMENT HOURLY COSTS)				
	SUBMERSIBLE PUMP TO PURGE/COLLECT SAMPLE	Per Hour	\$200.00	224	\$44,800.00
19.	BACKHOE EXCAVATOR (2)				
	TO TRANSPORT SOIL CUTTINGS TO ROLL- OFF CONTAINER				
	A. MOBILIZATION AND DEMOBILIZATION	Lump Sum	\$1,200.00	1	\$1,200.00
	B. RUBBER TIRE BACKHOE	Per Hour	\$125.00	220	\$27,500.00
21.	WATER HAULING (3) (INCLUDES LABOR AND VEHICLE WITH MINIMUM OF 500 GALL)	ON ·			
	CAPACITY TO SUPPLY AND TRANSPORT WATER)	Per Day	\$900,00	28	\$25,200.00
15.	CONTAINERIZATION OF DRILLING MATERIAL AND STAGING A. PROVIDE CLEAN EMPTY DOT APPROVED 55	Per 55	\$50.00		\$3,500.00
	GALLON DRUMS WITH SEALS, BUNGS AND LIDS	Gallon Drum	1	l '-	1
	B. FILLING, MOVING AND STAGING 55 GALLON DRUMS	Per 55	\$30.00	70	\$2,100.00
	ON-SITE ON PALLETS	Gallon Drum			
	C. MOVE FILLED DRUMS TO SECONDARY LOCATION WITHIN 1 MILE OF DRILL SITE	Per 55	\$35.00	70	\$2,450.00
20	SITE RESTORATION	Gallon Drum		<del></del>	<del> </del>
_5.	A. TOPSOIL	Cubic Yard	\$30.00	5	\$150.00
	B. GRASS SEEDING	Square Yard	\$15.00		\$150.00
	C. ASPHALT PAVING	Bag (60 lbs.)	\$25.00		\$900.00
21	SPECIALTY ITEMS (Road and Hydrant Permits)	Per Permit	\$300.00		\$2,700.00
	STANDBY TIME	Per Hour	\$150.00		\$3,000.00
	TOTAL TIME	SUBTOTAL	<u>Ψ130.00</u>		\$327,730.00
			MANAGEMENT E		\$327,730.00 \$16.387

SUBCONTRACT MANAGEMENT FEE

TOTAL

K.Robins Public/2564/WAD004446-6 - Schedule 2.11

<sup>(1)</sup> Estimated hours based on collection of 13 groundwater

samples over a 4 day 8-hour period at each tempoary vertical profile well

<sup>(2)</sup> Backhoe/Excavator to be used 2 hours a day for a duration of 110 days to transport soil to roll - off containers. Within 1 mile of drill site.

<sup>(3)</sup> Water Hauling is estimated for 2 hours a day for a duration of a 110 days.

# SCHEDULE 2.11 (f) 3 UNIT PRICE SUBCONTRACTS SUMMARY NEW CASSEL INDUSTRIAL AREA Work Assignment Number D004446-6

NAME OF SUBCONTRACTOR	SERVICES TO BE PERFORMED	SUBCONTRACT PRICE	MANAGEMEN <u>FEE</u>
Brookside Environmental Inc.	Waste Disposal	\$20,022	\$1,001
<u>ltem</u>	Maximum Reimbursement <u>Rate</u>	Estimated No. of Units	Total Estimate Costs
15 cubic yard container - Delivery	\$600.00 Per event	3 Events	\$1,800
15 cubic yard container - Rental	\$18.00 Per day	154 Days	\$2,772
15 cubic yard container - Removal	\$1,100.00 Per event	3 Events	\$3,300
Disposal of non-hazardous drill cuttings	\$60.00 Per ton	80 Tons	\$4,800
Disposal of non-hazardous drill cuttings	\$85.00 Per drum	70 Drums	\$5,950
Disposal characterization sampling and analysis	\$350.00 Per sample	4 Samples	\$1,400
	SUBTOTAL SUBCONTRACT MANAGEMI TOTAL	ENT FEE	\$20,022 \$1,001.10 \$21,023

# SCHEDULE 2.11 (f) 4 UNIT PRICE SUBCONTRACTS SUMMARY New Cassel Industrial Area (OU3) Work Assignment No. D004446-6

NAME OF SUBCONTRACTOR		ES TO BE	SUBCONTRACT PRICE	MANAGEMENT <u>FEE</u>
Jamaica Blueprint Company, Inc.	Printing		\$9,722	\$486
<u>ltem</u>	Reimb	simum ursement Rate	Estimated No. of Units	Total Estimated Costs
Draft Plans and Specifications (30%) Specifications, 1,000 double-sided sheets each Drawing Sets, 10 drawings each	\$105 p \$14 p		7 sets 7 sets	\$735 \$95
Draft Plans and Specifications (60%) Specifications, 1,000 double-sided sheets each Drawing Sets, 10 drawings each	\$105 p \$14 p		7 sets 7 sets	\$735 \$95
Draft Final Plans and Specifications Specifications, 1,000 double-sided sheets each Drawing Sets, 10 drawings each	\$105 p \$14 p		7 sets 7 sets	\$735 \$95
Draft Plans and Specifications Specifications, 1,000 double-sided sheets each Drawing Sets, 10 drawings each	•	per set per set	77 sets 77 sets	\$6,541 \$693
	SUBTOTAL SUBCONTRA TOTAL	ACT MANAGEM	ENT FEE	\$9,722 \$486 \$10,208

SCHEDULE 2.11 (f) 5 UNIT PRICE SUBCONTRACTS SUMMARY New Cassel Industrial Area (OU3) Work Assignment No. D004446-6

NAME OF SUBCONTRACTOR

To Be Determined

SERVICES TO BE

SUBCONTRACT MANAGEMENT PRICE FEE

PERFORMED

Suveyor

\$15,000

\$750

SUBTOTAL SUBCONTRACT MANAGEMENT FEE

\$15,000.00 \$750 \$15,750.00

TOTAL

Work Assignment No.: D004446-6

Task No./Name: All Tasks Complete: 0.00% SCHEDULE 2.11 (g) SUMMARY Page 1 of 7
Date Prepared:
Billing Period:
Invoice No.:

#### MONTHLY COST CONTROL REPORT SUMMARY OF FISCAL INFORMATION

	I A I	В	С	D	E	F	G	Н
	Costs	Paid	Total	Total Costs	Estimated	Total Work		Estimated
Expenditure	Claimed	To	Disallowed	Incurred To	Costs To	Assignment	Approved	Under/(Over)
	This Period	Date	To Date	Date (A+B+B1)	Completion	Price (A+B+E)	Budget	(G-F)
Category	Ims Period	Date	10 Date	Date (A+B+B+)	Completion	Tilloe (A.B.L)	Duoget	(0-1)
1. Direct Salary	0.00	0.00	0.00	0.00	0.00	0.00	\$87,580	0.00
Costs								
2. Indirect	0.00	0.00	0.00	0.00	0.00	0.00	\$132,245	0.00
				·				
3. Subtotal Direct	0.00	0.00	0.00	0.00	0.00	0.00	\$219,825	0.00
Salary Costs	1							'
and Indirect Costs								
4. Travel	. 0.00	0.00	0.00	0.00	0.00	0.00	\$7,394	0.00
5. Other Non-	0.00	0.00	0.00	0.00	0.00	0.00	\$10,394	0.00
Salary Costs								
6. Subtotal Direct	0.00	0.00	0.00	0.00	0.00	0.00	\$17,788	0.00
Non-Salary Costs	• .							
7. Subcontractors	0.00	0.00	0.00	0.00	0.00	0.00	\$414,976	0.00
7a. Management Fee	0.00	0.00	0.00	0.00	0.00	0.00	\$20,549	0.00
					•			
8. Total Work	0.00	0.00	0.00	0.00	0.00	0.00	\$673,138	0.00
Assignment Cost		·						
9. Fixed Fee	0.00	0.00	0.00	0.00	0.00	0.00	\$25,280	0.00
10. Total Work	0.00	0.00	0.00	0.00	0.00	0.00	\$698,418	0.00
Assignment Price	1							

	•	
Project Manager (Engineer)		Date

Work Assignment No.: D004446-6

Task No./Name: 1/Work Plan Development

Complete: 0.00%

SCHEDULE 2.11 (g)

Page 2 of 7
Date Prepared:
Billing Period:
Invoice No.:

#### MONTHLY COST CONTROL REPORT SUMMARY OF FISCAL INFORMATION

				OF FISCAL INCO					
	A	В	C	D	E	F	G	Н	
	Costs	Paid	Total	Total Costs	Estimated	Total Work		Estimated	
Expenditure	Claimed	То	Disallowed	Incurred To	Costs To	Assignment	Approved	Under/(Over)	
Category	This Period	Date	To Date	Date (A+B+B1)	Completion	Price (A+B+E)	Budget	(G-F)	
			,			<u> </u>			
Direct Salary	0.00	0.00	0.00	0.00	0.00	0.00	\$8,221	0.00	
Costs								· I	
	j	·-		:.					
2. Indirect	0.00	0.00	0.00	0.00	0.00	0.00	\$12,414	0.00	
							***		
3. Subtotal Direct	0.00	0.00	0.00	0.00	0.00	0.00	\$20,635	0.00	
Salary Costs		•.				,			
and Indirect Costs	1								
4. Travel	0.00	0.00	0.00	0.00	. 0.00	0.00	\$24	0.00	
•	1	-					***		
5. Other Non-	0.00	0.00	0.00	0.00	0.00	0.00	\$15	0.00	
Salary Costs								·	
·				0.00	0.00	0.00	\$39	0.00	
6. Subtotal Direct	0.00	0.00	0.00	. 0.00	0.00	. 0.00	φυσ	0.00	
Non-Salary Costs	·								
7 0 1	0.00	0.00	0.00	0.00	0.00	0.00	\$2,998	0.00	
7. Subcontractors	0.00	0.00	0.00	0.00	0.00	0.00	\$0	0.00	
7a. Management Fee	0.00		0.00						
8. Total Work	0.00	0.00	0.00	0.00	0.00	0.00	\$23,673	0.00	
	0.00	. 0.00	0.00						
Assignment Cost					·				
O. Fixed For	0.00	0.00	0.00	0.00	0.00	0.00	\$2,373	0.00	
9. Fixed Fee	0.00	0.00	3.00						
10. Total Work	0.00	0.00	0.00	0.00	0.00	0.00	\$26,046	0.00	
10. Total vvork Assignment Price	0.00	0.00	5.00	3.00					
Assignment Frice				<u> </u>					

niect Manager (Engineer)	· ·	Date	
niect Ivianager (Engineer)			

Work Assignment No.: D004446-6

Task No./Name: 2/Pre-Design Investigations

Complete: 0.00%

SCHEDULE 2.11 (g)

Page 3 of 7
Date Prepared:
Billing Period:
Invoice No.:

#### MONTHLY COST CONTROL REPORT SUMMARY OF FISCAL INFORMATION

· · · · · · · · · · · · · · · · · · ·			001111111111111111111111111111111111111	OF FISCAL INFO					
	A	В	С	D	E	F	G	Н	
	Costs	Paid	Total	Total Costs	Estimated	Total Work		Estimated	
Expenditure	Claimed	То	Disallowed	Incurred To	Costs To	Assignment	Approved	Under/(Over)	
Category	This Period	Date	To Date	Date (A+B+B1)	Completion	Price (A+B+E)	Budget	(G-F)	
Direct Salary	0.00	0.00	0.00	0.00	0.00	0.00	\$49,632	0.00	
Costs							•		
	. [			•					
2. Indirect	0.00	0.00	0.00	0.00	0.00	0.00	\$74,944	0.00	
3. Subtotal Direct	0.00	0.00	0.00	0.00	. 0.00	0.00	\$124,576	0.00	
Salary Costs									
and Indirect Costs			·	· ·					
							<u> </u>		
4. Travel	0.00	0.00	0.00	0.00	0.00	0.00	\$7,297	0.00	
						0.00	¢0.704	0.00	
5. Other Non-	0.00	0.00	0.00	0.00	0.00	0.00	\$9,794	0.00	
Salary Costs							·	•	
			0.00	0.00	0.00	0.00	\$17,091	0.00	
6. Subtotal Direct	0.00	0.00	0.00	0.00	0.00	0.00	\$17,091	. 0.00	
Non-Salary Costs							-	•	
<b>7</b> Out	0.00	0.00	0.00	0.00	0.00	0.00	\$401,256	0.00	
7. Subcontractors	0.00	0.00	0.00	0.00	0.00	0.00	\$20,063	0.00	
7a. Management Fee	0.00	0.00	. 0.00	0.00		0.00	420,000		
O Takal Mark	0.00	0.00	0.00	0.00	0.00	0.00	\$562,986	0.00	
8. Total Work	0.00	0.00	5.00	. 5.66		3.00			
Assignment Cost	1	·							
9. Fixed Fee	0.00	0.00	0.00	0.00	0.00	. 0.00	\$14,326	0.00	
a. rixed ree	0.00	. 0.00	3.45					•	
10. Total Work	0.00	0.00	0.00	0.00	0.00	0.00	\$577,312	0.00	
Assignment Price									

	the state of the s	
Project Manager (Engineer)	 Date	

Work Assignment No.: D004446-6

Task No./Name: 3/Performance Specifications

Complete: 0.00%

SCHEDULE 2.11 (g)

Page 4 of 7
Date Prepared:
Billing Period:
Invoice No.:

#### MONTHLY COST CONTROL REPORT SUMMARY OF FISCAL INFORMATION

			COMMUNIC	OFFISOALIN					
	Α	В	С	D	E	F	G	· H	
	Costs	Paid	Total	Total Costs	Estimated	Total Work		Estimated	
Expenditure	Claimed	То	Disallowed	Incurred To	Costs To	Assignment	Approved	Under/(Over)	
Category	This Period	Date	To Date	Date (A+B+B1)	Completion	Price (A+B+E)	Budget	(G-F)	
Galegory	, mo , one	20.0	, , , , , , , ,	,				· ` `	
Direct Salary	0.00	0.00	0.00	0.00	0.00	0.00	\$22,829	0.00	
Costs									
		1	*						
2. Indirect	0.00	0.00	0.00	0.00	0.00	0.00	\$34,471	0.00	
				·					
					0.00	0.00	057.000	0.00	
3. Subtotal Direct	0.00	0.00	0.00	0.00	0.00	0.00	/ \$57,300	0.00	
Salary Costs	-								
and Indirect Costs	l				·				
	0.00	0.00	0.00	0.00	0.00	0.00	\$24	0.00	
4. Travel	0.00	0.00	0.00	0.00	, 0.00	0.00		0.00	
5. Other Non-	0.00	0.00	0.00	0.00	0.00	0.00	\$355	0.00	
Salary Costs		<b>5.22</b>		. i	·				
Salary Costs									
6. Subtotal Direct	0.00	0.00	0.00	0.00	0.00	0.00	\$379	0.00	
Non-Salary Costs									
Non-Calary Costs				• •					
7. Subcontractors	0.00	0.00	0.00	0.00	0.00	0.00	\$9,722	0.00	
7a. Management Fee	0.00	0.00	0.00	0.00	0.00	0.00	\$486	0.00	
					,				
8. Total Work	0.00	0.00	0.00	0.00	0.00	0.00	\$67,887	0.00	
Assignment Cost									
9. Fixed Fee	0,00	0.00	0.00	0.00	0.00	0.00	\$6,589	0.00	
10. Total Work	0.00	0.00	0.00	0.00	0.00	0.00	\$74,476	0.00	
Assignment Price									

•	•	
Project Manager (Engineer)		Date
rniect Manadel (Endineer)		

Work Assignment No.: D004446-6
Task No./Name: 4/Citizen Participation

Complete: 0.00%

SCHEDULE 2.11 (g)

Page 5 of 7 Date Prepared: Billing Period: Invoice No.:

#### MONTHLY COST CONTROL REPORT SUMMARY OF FISCAL INFORMATION

<u> </u>				OF FISCAL INFO					
l l	A	В	C	D	E	F	G	Н	
	Costs	Paid	Total	Total Costs	Estimated	Total Work		Estimated	
Expenditure	Claimed	To	Disallowed	Incurred To	Costs To	Assignment	Approved	Under/(Over)	
•	This Period	Date	To Date	Date (A+B+B1)	Completion	Price (A+B+E)	Budget	(G-F)	
Category	i nis Penod	Date	TO Date	Date (A.D.D.)	Compicação	11.00 (11.01)	Buogot	(0.)	
1. Direct Salary	0.00	0.00	0.00	0.00	0.00	0.00	\$1,761	0.00	
Costs	****								
Costs							, '		
2. Indirect	0.00	0.00	0.00	0.00	0.00	0.00	\$2,660	0.00	
z. manoc.					:	,			
			•						
3. Subtotal Direct	0.00	0.00	0.00	0.00	0.00	0.00	\$4,421	0.00	
Salary Costs						-			
and Indirect Costs				*-		•			
<u>.</u>									
4. Travel	0.00	0.00	0.00	0.00	0.00	0.00	\$24	0.00	
				0.00	0.00	0.00	\$15	0.00	
5. Other Non-	0.00	0.00	0.00	0.00	0.00	0.00	<b>ຈ</b> ເວ	0.00	
Salary Costs						,			
			0.00	0.00	0.00	0.00	\$39	0.00	
6. Subtotal Direct	0.00	0.00	0.00	0.00	0.00	0.00	Ψ39	0.00	
Non-Salary Costs	•						* -	i.	
7. Subcontractors	0.00	0.00	0.00	0.00	0.00	0.00	\$0	0.00	
	0.00	0.00	0.00	0.00	0.00	0.00	\$0	0.00	
7a. Management Fee	0.50	0.00						•	
8. Total Work	0.00	0.00	0.00	0.00	0.00	0.00	\$4,460	0.00	
Assignment Cost							•		
Assignment Cost		. [			,		4	•	
9. Fixed Fee	0.00	0.00	0.00	0.00	0.00	0.00	\$508	0.00	
S. Fixed Fee	3.30								
10. Total Work	0.00	0.00	0.00	0.00	0.00	0.00	\$4,969	0.00	
Assignment Price									

•		
		Data
- 1 1 1 1 1 1 (Fi)		Date
Project Manager (Engineer)	· · · · · · · · · · · · · · · · · · ·	

Work Assignment No.: D004446-6
Task No./Name: 5/Pre-Award Services

Complete: 0.00%

SCHEDULE 2.11 (g)

Page 6 of 7 Date Prepared: Billing Period: Invoice No.:

#### MONTHLY COST CONTROL REPORT SUMMARY OF FISCAL INFORMATION

			SUMINARY OF FISCAL INFORMATION			L		
	A	В	С	D	E	F	G	H
	Costs	Paid	Total	Total Costs	Estimated	Total Work	,	Estimated
Expenditure	Claimed	То	Disallowed	Incurred To	Costs To	Assignment	Approved	Under/(Over)
Category	This Period	Date	To Date	Date (A+B+B1)	Completion	Price (A+B+E)	Budget	(G-F)
Jakogory		20.0	1000.0	54.5 (1.5.51)	- Completion	1 1.00 (1 ( 1.2)		(01)
Direct Salary	0.00	0.00	0.00	0.00	0.00	0.00	\$5,137	0.00
Costs		· .						
. 2. Indirect	0.00	0.00	0.00	0.00	0.00	0.00	\$7,757	0.00
		·				,		,
		·				•	·	
3. Subtotal Direct	0.00	0.00	0.00	0.00	0.00	0.00	\$12,894	0.00
Salary Costs							,,	
and Indirect Costs								
and munect oosts								
4. Travel	0.00	0.00	0.00	0.00	0.00	0.00	\$24	0.00
4. Havei	0.00	0.00	0.00	0.00	0.00	0.00	*- '	0.00
5. Other Non-	0.00	0.00	0.00	. 0.00	0.00	0.00	\$215	0.00
Salary Costs	0.00	0.00	0.00	, 0.00	0,00	0.00	V2.10	0.00
Salary Costs			*					
6. Subtotal Direct	0.00	0.00	0.00	0.00	0.00	0.00	\$239	0.00
Non-Salary Costs	0.00	0.00	0.00		0.00	. 0.00	<b>\$200</b>	0.00
Non-Salary Costs								,
7. Subcontractors	0.00	0.00	0.00	0.00	0.00	0.00	\$999	0.00
7a. Management Fee	0.00	0.00	0.00	0.00	0.00	0.00	\$0	0.00
7a. Managementi ec	0.00	0.00	0.00	0.00	0.00	0.00	•	
8. Total Work	0.00	0.00	0.00	0.00	0.00	0.00	\$14,132	0.00
	0.00	0.00	0.00			0.00	\$11,102	0.00
Assignment Cost				·		•		
9. Fixed Fee	0.00	0.00	0.00	0.00	0.00	0.00	\$1,483	0.00
y. rixed ree	0.00	0.00	0.00	0.00	0.00	. 0.00	Ψ1,400	0.00
10. Total Work	0.00	0.00	0.00	0.00	0.00	0.00	\$15,615	0.00
Assignment Price	0.00	0.00	3.00	0.00	3.55	3.00	4.0,010	3.00
Assignment Frice	1							

<b>5</b> 1 194	•	Date
Project Manager (Engineer)		Date

Work Assignment No.: D004446-6

#### SCHEDULE 2.11 (g) SUPPLEMENTAL MONTHLY COST CONTROL REPORT SUBCONTRACTS

Page 7 of 7
Date Prepared:
Billing Period:
Invoice No.:

	<u>Subcontract Name</u>	Subcontract Costs Claimed This Application Incl. Resubmittals	Subcontract Costs Approved for Payment on Previous Application	Total Subcontract costs to Date (A plus B)	Subcontract Approved <u>Budget</u>	Management Fee <u>Budget</u>	Management Fee <u>Paid</u>	Total Costs <u>To Date</u>
1.	Delta Well and Pump (WBE)	\$0	\$0	\$0	\$327,730	\$16,386.50	\$0	\$0
2.	Mitkem Corporation (MBE)	<b>\$0</b> .	\$0	\$0	\$38,504	\$1,925.20	\$0	\$0
3.	Jamaica Blueprint Co., Inc. (WBE)	\$0	\$0	\$0	\$9,722	\$486.08	\$0	\$0
4.	Brookside Environmental Inc.	\$0	\$0	\$0	\$20,022	\$1,001.10	\$0	\$0
5.	Emilcott Associates Inc.	\$0	\$0	<b>\$0</b>	\$3,998	\$0	\$0	\$0
6	To Be Determined	\$0	\$0	\$0	\$15,000	\$750.00	\$0	\$0
	Total				\$414,976	\$20,549		

#### Schedule 2.11 (h)

Project Name: New Cassel Industrial Area (OU3)

Work Assignment No.: D004446-6

Date Prepared: Billing Period Invoice No.

Monthly Cost Control Report
Summary of Labor Hours
Expended to Date/Estimated To Completion

	•				-														TOTAL	NUME	
NSPE Labor	IX		VIII		VII	l	٧	ı	l v		· 1/	/	1	H	-1&	11	ADM	IN/	Í	OR HO	
Classification	EXP/E	ST	EXP/E	ST	EXP/E	ST	EXP/	EST	EXP/	EST	EXP/	EST	EXP	/EST	EXP/	EST	SUPPO	ORT_	E	XP/ES	;T
Task 1	0/	2	0/	2	0/	0	0/	36	0/	14	0/	20	0/	170	0/	10	0/	14	:	0/	254
Task 2	.0/	4	0/	2	0/	0	0/	60	0/	16	0/	160	0/	1,332	0/	18	0/	13		0/	1,592
Task 3	0/		0/	10	0/	0	0/	76	0/	16	0/	0	0/	526	0/	88	0/	37		0/	716
Task 4	0/	4	0/	0	0/	0	0/	0	0/	8	0/	0	0/	38	0/	3	0/	4		0/	53
Task 5	0/	2	0/	4	0/	0	0/	6	0/	4	0/	0	0/	126	0/	16	0/	17		0/	158
TOTAL HOURS	0/	12	0/	18	0/	0	. 0/	178	0/	58	0/	180	0/	2,192	0/	135	0/	85		0/	2,773

#### MBE/WBE UTILIZATION PLAN SUMMARY

#### New Cassel Industrial Area Work Assignment No. D004446-66

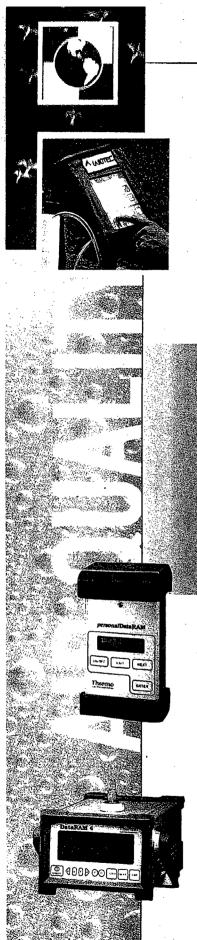
Areas to be Subcontracted	Subcontractor Name	MBE/WBE	Total Subcontract <u>Value</u>	% MBE/WBE Utilization
<ol> <li>Mitkem</li> <li>Delta Well and Pump</li> <li>Reproduction Services</li> </ol>	Laboratory Services Drilling Services Jamaica Blueprint Co., Inc.	MBE WBE WBE	\$38,504 \$327,730 \$9,722	5.5% 46.9% 1.4%
Total MBE Utilization	MBE Subcontract Value Total Contract Value	=	<u>\$38,504</u> \$698,418	5.5%
Total WBE Utilization	WBE Subcontract Value Total Contract Value	· =	<u>\$337,452</u> \$698,418	48.3%
Total MBE/WBE Utilization	MBE/WBE Subcontract Value Total Contract Value	=	<u>\$375,956</u> \$698,418	53.8%

#### Cost Review for Work Plan or Amendment

**WA #: D004446-6 Date:** April 2007

WA i	#: <b>D004446-6</b>			
	GENERAL COST REVIEW CHECKLIST	Yes	No	Comments
	A complete set of 2.11 Schedules (a) through (h) is attached.	×		·
	For multi-site work assignments, schedule 2.11's are broken down by site.		,	N/A
1.	Schedule 2.11(a)			
	Rates for indirect and fixed fee match contract rates.	×		
	All numbers rolled up into Schedule 2.11(a) add up.	×		
2.	Schedule 2.11(b) - Direct Labor			
	Average reimbursement rates are used for each year. For future years, an escalation factor of 3% has been used.		×	4 % escalation factor used (2008)
	Hours are segregated by year.	×	·	
	Total cost for each NSPE level is shown.	×.		
	Total direct labor costs match amounts on Schedule 2.11(a).	×		
	Total labor hours match hours on Schedule 2.11(h).	×		
	The Principal's (NSPE level 9) labor hours charged to WA is less than 2% of the total time.	×		Overall 0.58 %
3.	Schedule 2.11(b-1) - Direct Administrative Labor Hours			
-	Breakdown of Schedule 2.11(b-1) is reasonable, i.e., within acceptable guideline of <4% of overall WA LOE. Justification is attached for any exceedance.	×		Overall 3.72 %
4.	Schedules 2.11(c) and (d) Direct Non-Salary.			
	Rates listed in Schedule 2.11(c) are consistent with contract.	×		
	Rates for in-house and/or miscellaneous costs match contract Schedule 2.10(b).	×		
	Quotes are included for any non-contract item ( <u>including</u> equipment purchases & rentals; <u>excluding</u> air fare) >\$1k.	×		See Attached Cost Comparisons
	All costs are allowable, e.g., office telephone and office shipping cannot be reimbursed as a direct cost if included in ICR. If not in ICR, they are included in 2.10(b) or 2.10 (c). Field costs must be receipted.	×		
	Appropriate lodging/per diem/mileage rates are used.	×		·
	Rates are approved for consultant-owned equipment Schedule 2.10 (c).	×		
	Total direct non-salary costs match amounts on Schedule 2.11(a).	×		
	Other direct costs (no. of field days, lodging, and field equipment and usage) are reasonable based on field work schedule or supporting documentation.	×		
5.	Schedule 2.11(e) - Cost-plus-fixed-fee subcontracts	Yes	No	Comments
	Proposed subconsultant is on standby, or has DEC-approved rates with another standby consultant.		×	Working on this

Standby subcontract is active and rates (salary, direct and indirect costs and fixed fee) match.	-	×	Working on this
A breakdown of direct non-salary costs in the form of additional Schedule 2.11's is attached if appropriate.			N/A
Total subcontract amount matches Schedule 2.11(a).	×		
Subcontractor has justified/obtained adequate quotes for any further subcontracted work.			N/A
Subcontractor certification(s) have been submitted.		×	Working on this
6. Schedule 2.11(f) - Unit Price Subcontracts			
There are quotes for non-standby subcontracts >\$1k. Bids are comparable (quantities and items) and provide unit costs plus job total.	×		See Attached Cost Comparisons
Standby Drillers (Two phase process) - Costs from at least 3 standbys (or additional quotes from non-standby drillers) are attached. Proper unit costs and mobilization/demobilization costs are used.	×		See Attached Cost Comparisons
Standby Labs and Data Validators (Used on a rotational basis) - Unit cost per sample match unit cost in their standby contract.	×		
M/WBE - cost reasonableness of sole source M/WBE contracts <\$10K and are documented.		,	N/A
Correct management fee is calculated only on non-professional unit priced subs > \$10k and M/WBE firms from \$1. (Management fee is not allowed on professional engineering firms, architects, or surveyors, unless the contract specifically allows it.)	×		
Subcontractor certification(s) have been submitted.		×	Working on this
Justification is attached for any subcontracts >\$100,000 supporting a determination not to design and competitively bid the work through DEC's Remedial Bureau E. Response-type activities (drum removals, soil excavation, and other construction-type activities) typically must be competitively bid.			N/A
7. Schedule 2.11(g) - Cost Control Report			
Individual 2.11(g)s equal summary 2.11(g) and costs match 2.11(a).	×		
PMWP or amendment development costs are within 5% of the total WA or amendment costs. Acceptable justification has been submitted if the percentage exceeds 5%.	×		Overall 3.3%
PMWP or amendment development costs are limited to preparing a PMWP or amendment. Additional subtasks, if included, have been conceptually approved.	×		
8. Schedule 2:11(g): Supplemental - Cost Control Report (subs)			
Schedules include all applicable subcontracts and management fee (for unit price only).	×		
9. Additional Cost Information/Comments			
			ļ



### 

1 Day 3 Day

\$100

\$100

Week

\$250

\$250

Month

\$950

\$950

#### **Landfill Gas Monitors**

LANDTEC GA-90
CH <sub>4</sub> (0-100%), LEL, CO <sub>2</sub> , Temperature
Static Pressure 0–100" Water Column
LANDTEC GEM-500

CH<sub>4</sub> (0–100%), LEL, CO<sub>2</sub>, Temperature Static Pressure 0–100" Water Column Differential Pressure 0–10" Water Column

\$175

\$175

LANDTEC GEM-2000 CH<sub>4</sub> (0–100%), LEL, CO<sub>2</sub>, Temperature Static Pressure 0–100" Water Column

Differential Pressure 0-10" Water Column

\$100 \$175 \$250 \$950

LANDTEC Hydrogen Sulfide POD

0-200 ppm \$25 \$50 \$75 -\$225

LANDTEC Carbon Monoxide POD

0-1,000 ppm \$25 \$50 \$75 \$225

POD: wailable unit all total

Landfill Monitoring Calibration Gas

Hydrogen Sulfide: 581/1031, 25 ppm, Balance Nitrogen, Disposable

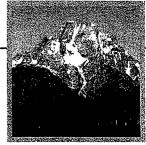
Melhane/CO; 171/1031 50%/35%; Balance Nitrogen; Disposable 171/1031\_15%/35%; Balance Nitrogen; Disposable

Carbon Monoxide 17/1/341/1031, 50 ppm, Balance Air, Disposable

#### **Aerosol Monitors**

Thermo pDR-1000AN			<b>V</b>	<b>/</b> 
Personal DataRAM™	\$60	\$120	\$180	\$500
Battery Pack Module	\$20	\$40	\$60	\$180
Thermo pDR-1200				
Personal DataRAM™ with Cyclone and Air Pump	\$100	\$200	\$300	\$900
Battery Pack Module	\$20	\$40	\$60	\$180
Thermo DataRAM 4 <sup>TM</sup> Model DR-2000/DR-4000				
Real-Time Area Aerosol Monitor	\$200	\$350	\$500	\$1,500
Includes omni-directional sample inlet.				
Thermo DR-AMB				
Ambient Sampling Inlet Set	\$30	\$60	\$90	\$270
Individual Accessories	\$20	\$40	\$60	\$180
For use with Thermo DR-2000 or DR-4000. Includes temperature and 2.5/10 $\mu$ in-line impact head.	conditionii	ng heater,	,	

## 🚳 In-Situ Inc.



			No.		
		1 Day	3 Day	Week	Month
In-Situ Multi-Parameter	TROLL 9000			•	
Data Logger, Pressure Tran	sducer, Water Quality Meter			•	•
13/4" Diameter Probe; 30, 1					
pH, ORP	0–14, ±1400 mV				•
Conductivity, Temp	0–200 mS/cm, -5°– +50°C				
Dissolved Oxygen	0-20 mg/L, 0-200%	£150	#2F0	¢400	¢1 200
Turbidity	0–2,000 NTU	\$150	\$250	\$400	\$1,200
incluaes RuggeaReaaer ····, comr	nunication cable and software; 15',	2), )0 0	r 100 caoie.		
In-Situ Cables				•	
Additional Cables Less Tha	n 100'	\$25	\$50	\$75	\$225
150' – 350'		\$30	\$60	\$90	\$300
500' 600'		\$50	<b>\$</b> 100	\$150	\$500
T C'. D ID I TM					
In-Situ RuggedReader <sup>TM</sup>		475	6150	£200	<b>\$</b> <00
MiniTROLL Display		\$75	\$150	\$200	\$600
Dell					
Laptop Computer		\$75	\$150	\$200	\$600
Includes inverter for use with ca	r lighter.	•			
TT 11 TT DO SULTE.	C 11			-	
Horiba U-22 with Flow					
pH, ORP	0–14, ±999 mV 0–100 mS/cm, -5°– +50°C			/	:
Dissolved Oxygen	0–100 ms/cm, -3 – +30 C 0–20 mg/L, 0–100%		•	✓	
Turbidity	0–1,000 NTU	\$100	\$175	<b>\$</b> 250	\$750
-	•			**************************************	i
Horiba U-10					
pH, Conductivity, Tempera		<b>#</b> E <b>O</b>	£100	¢1.50	£450
Dissolved Oxygen, Salinity	, lurbidity	<b>\$50</b>	\$100	\$150	\$450
<b>YSECalibration Kits</b>					
Small		\$50			
Large		\$90			
			The second		
Small: 3 pH4, 500 ml	<b>darge</b>	2 pH4;	500 ml		
1 6H7, 500 ml		2 pH/s	CHARLES AND AND AND AND AND AND AND AND AND AND		
4 of 100-500 ml		Z TEN HOLLEN TO CONTRACT	500 mil		
Fig. 1: Conductivity 4:00		THE CONTRACTOR OF THE PERSON OF	uctivity I t	AND DESCRIPTION OF THE PARTY OF	ı, suu mi
2 ORP Standard Pa	ckets		standard # ation Cup	Market State of the Control of the C	
<ul> <li>4 Campration Gups</li> </ul>		a Caudi	anone do		
YSI GRP/Zobell Solution	ofi				
125 mi (each)		195			
Turbidity Solution					
100 NTU: 250 ml (each)		\$35			





#### **Data Loggers**

Includes communication cable and software; 15', 25', 50' or 100' cable.

#### In-Situ MiniTROLL

Data Logger and Pressure Transducer

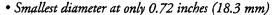
3/4" Diameter Probe

30, 100, or 300 psi

\$75

\$200

\$600



Powerful on-board data logger – up to 1MB (440,000 data points)

Linear, linear average, logarithmic and event logging modes

User-replaceable AA batteries — no need to return to the factory!

High-quality vented Quick-Connect cable (FEP or Polyurethane) — Fully detachable!

Ultimate 4-way level compensation including auto barometric compensation

Vented cable, Direct-Read cables OR suspension by low-cost wire

Networking and telemetry capable

#### In-Situ TROLL SP-4000

Data Logger and Pressure Transducer

11/2" Diameter Probe

30, 100 or 250 psi

\$50 \$100 \$150

\$450

#### In-Situ Multi-Parameter TROLL 9000

Data Logger, Pressure Transducer, Water Quality Meter

13/4" Diameter Probe;

30, 100 or 250 psi

pH, ORP

0-14, ±1400 mV 0-200 mS/cm, -5°- +50°C

Conductivity, Temp Dissolved Oxygen

Includes RuggedReader™

0-20 mg/L, 0-200%

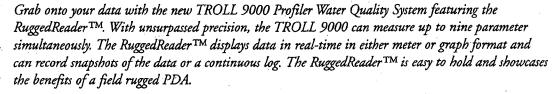
Turbidity

0-2,000 NTU

\$150 \$250

\$1,200 \$400





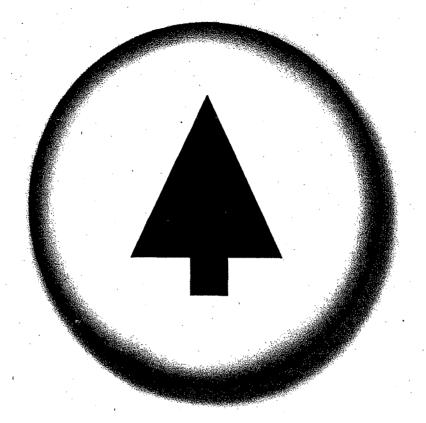
In-Situ announces the release of the NEW Rugged Dissolved Oxygen Sensor or "RDO" exclusively for the Multi-Parameter TROLL 9000. The new RDO sensor utilizes recent advances in lifetime-based optical fluorescence sensor technology to provide an extremely stable, precise and low-maintenance dissolved oxygen sensor. This technology stands to revolutionize the current methods of water quality monitoring by eliminating the need for membranes, stirring, and cleaning while allowing deployment for many months without need for re-calibration.

In-Situ RuggedReader <sup>TM</sup> MiniTROLL Display	\$75	\$150	\$200	\$600
In-Situ Cables				
Additional Cables Less Than 100'	\$25	\$50	<b>\$75</b>	\$225
150' – 350'	\$30	\$60	\$90	\$300
500' – 600'	\$50	\$1.00	\$150	\$500



## PINE ENVIRONMENTAL

SERVICES, INC.



## Sales & Rental Catalog

Volume 4 2003











The Environmental Supply & Support People

Rentals • Sales • Repairs

		÷		
	Aerosol Monitor	Dally	Weekly	Monthly
	Thermo MIE DR-4000 Data RAM Real-Time Aerosol Monitor	\$150.00	\$450.00	\$1200.00
	Range: 0001 - 400 mg/m <sup>3</sup> .08 to 10 µm Particle Size		÷	
	Thermo MIE DR-2000 Data RAM Real-Time Aerosol Monitor	\$150.00	\$450.00	\$1200.00
	Range: .1- 999.9 µg/m³ 1.0- 39.99 mg/m³ 40.0 - 399.9 mg/m³ .1 - 10 um Particle Size			
l <b>o</b> n	Temperature Conditioning Heater, 115 V	\$10.00	\$30.00	\$90.00
on .	In-Line Impactor Head (10 &2.5 um)	\$10.00	\$30.00	\$90.00
lon	Omni Directional Sampling Inlet	\$0.00	\$0.00	\$0.00
W	TSI DustTRAK Aerosol Monitor Range: .001 - 100 mg/m³ 0.1 - 10 µm Particle Size	\$100.00	\$300.00	\$900.00
n	TSI DustTrak Environmental Enclosure Model 8520-1	\$15.00	\$45.00	\$135.00
<u></u>	Thermo MIE pDR-1000 Personal Data Ram Range: .001- 400 mg/m3 0.1 - 10 µm Particle Size	\$75.00	\$190.00	\$570.00
o <b>n</b>	Rechargeable battery	\$15.00	\$45.00	\$135.00
	Amblent Panticulate High.	Paílÿ	Weekly	Mommy
	Thermo Andersen PM-10 High Volume Sampler	\$125.00	\$375.00	\$925.00
W	Thermo Andersen (PUF) Polyurethane Foam Sampling System	\$75.00	\$250.00	\$750.00
	Andersen TSP High Volume Air Sampler	\$125.00	\$375.00	\$1125.00

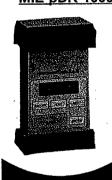
MIE DR-2000



TSI DustTRAK



MIE pDR-1000



Andersen (PUF)



Pine Bivironmental Services, Inc.
The Environmental Supply & Support People

# ISCO 6700 Solinst Discrete Sampler In-Situ MiniTROLL

## **Water Sampling**

Composité Samplers	a Daily	Weekly	Monthly
ISCO 6700 Composite Sampler	\$50.00	\$150.00	\$450.00
ISCO 6712 Composite Sampler	\$50.00	\$150.00	\$450.00
ISCO 3710 Composite Sampler	\$50.00	\$150.00	\$450.00
Sigma Composite Sampler Model 900	\$50.00	\$150.00	\$450.00

Suction line/ strainer and bottle configuration sold separately.

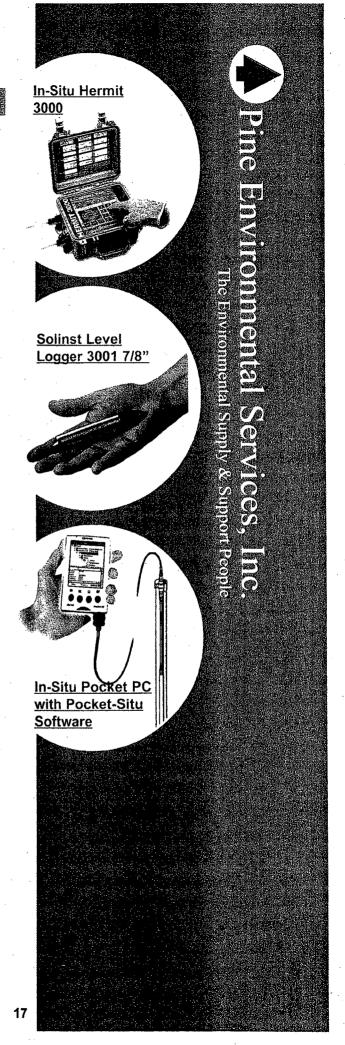
	Suction line/ strainer and bottle configuration sold separately								
	Samplers	<b>L</b> Daily	Weekly	Monthly					
	Solinst Discrete Sampler	\$35.00	\$105.00	\$300.00					
	Wildco Gravity Corer	\$30.00	\$120.00	\$360.00					
٠	Eckman Dredge Sampler	\$30.00	\$120.00	\$360.00					
	Ponar Dredge Sampler	\$30.00	\$120.00	\$360.00					
IEW	Global SS101 Storm Water Sampler	\$40.00	\$120.00	\$360.00					
Harasharah	Stream Flow Probes	Daily	Weekly	Memtaly					
NEW	Marsh-McBirney Flo-Mate Portable Flowmeter- Model 2000	\$70.00	\$210.00	\$630.00					
· ·	Global FP101 Water Flow Probe	\$35.00	\$105.00	\$315.00					
	Global FP201 Water Flow Probe	\$35.00	\$105.00	\$315.00					
100.57	Bataloggers and Transduce	rsDaily	Weekly	Monthly					
	<b>Dataloggers and Transduce</b>	ers	_						
			engagagameng kalang Propinsi	4					

Dataloggers and Transducers	Daily	Weekly	Monthly
<b>Dataloggers and Transducers</b>		1	•
In-Situ MiniTROLL Datalogger, Professional- 0.72" OD	\$85.00	\$225.00	\$650.00
In-Situ MiniTROLL Datalogger, Standard A- 0.72" OD	\$85.00	\$225.00	\$650.00

Dataloggers and Transducers	Daily	Weekly	Monthly
<b>Dataloggers and Transducers</b>	<u> </u>	<i>:</i>	
In-Situ MiniTROLL Datalogger, BaroTROLL- 0.72" OD	\$35.00	\$105.00	\$315.00
In-Situ TROLL4000 Datalogger- 1.5" OD	\$85.00	<b>\$225.00</b>	\$650.00
In-Situ Hermit 3000 8-channel Datalogger	\$125.00	\$375.000	\$1,000.00
Solinst Level Logger 3001 7/8" OD - MiniLT	\$85.00	\$195.00	\$585.00
Solinst Level Logger 3001 7/8" OD - Barologger	\$35.00	\$105.00	\$315.00
Solinst Level Logger 3 001 7/8" OD -LTC Conductivity	\$50.00	\$150.00	\$450.00
In-Situ Submersible Transducers Model PXD-261	\$35.00	\$105.00	\$315.00

Specify PSI and Cable Length when ordering. Standard Poly Cable Lengths available are 25', 50', 75' or 100'.

Communication Kits				
In-Situ Pocket PC with Pocket-Situ Software	\$25.00	\$100.00	\$300.00	
Laptop Computer	\$50.00	\$150.00	\$450.00	



MultiaRasameter Water. Orality with Flow Cell

**YSI 650 MDS** Option

Included with YSI 6-Series Rental.

**Multiparameter Display** 

System

YSI Flow Cell. Option

Included with YSI 6-Series Rental.

600 XL/ XLM

YSI Flow Cell. Option

Included with YSI 6-Series Rental.

6820, 6920

Horiba U-22 Water Quality \$100.00 \$300.00 \$900.00 **Monitoring System with Flow** 

Cell with 2 meter cable

(longer cable lengths available)

Range: 0-14 pH + 1999 mV ORP

0 - 9.99 S/m Conductivity

0 - 55 C Temperature

0 - 4 % Salinity

0 - 800 NTU Turbidity

0 - 19.9 mg/L Dissolved Oxygen

Horiba Flow Cell, Option

Included with Horiba U-22 Rental.

U-22

**QED Micropurge Basics** MP20 Flow Cell

\$100.00 \$900.00 \$300.00

Range: 0-14 pH

± 999 mV ORP

0 - 100 mS/cm Conductivity

-5 - 50 C Temperature

0 - 70 pss Salinity

0 - 20 mg/L Dissolved Oxygen

**QED Micropurge Basics** 

\$125.00 \$375.00 \$1125.00

MP20 DT Flow Cell

Range: 0-14 pH ± 999 mV ORP

0 - 100 mS/cm Conductivity

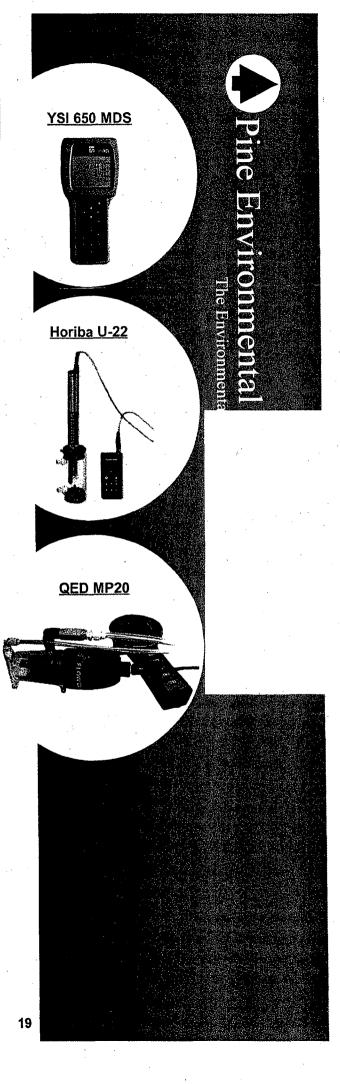
-5 - 50 C Temperature

0 - 70 pss Salinity

0 - 1000 NTU Turbidity

0 - 20 mg/L Dissolved Oxygen

**Includes Calibration Solutions** 



## Field Environmental Instruments, Inc.

◊ Rentals ◊ Supplies ◊ Sales ◊ Service

#### Instrument Rental Rates

Vol. 4-04



Air Monitoring & Air Quality



Water Quality & Analysis



Groundwater
Monitoring & Sampling



Surveying & Measuring

99 Miller Avenue Braddock, Pa 15104 www.fieldenvironmental.com

Phone: 800-393-4009

Fax: 412-271-5083

## Environmental Equipment & Field Supplies ◊ Rentals ◊ Supplies ◊ Sales ◊ Service



Landtec Model GA-90 (%LEL, %vol CH4, CO2, O2) \$150.00 \$325.00 \$900.00 Landtec Model GEM-500 (%LEL, %vol CH4, CO2, O2) \$175.00 \$450.00 \$1,200.00 \$1					
Landlec Model GEM-500	LANDFILLGAS METERS -	DETECTION :	DAYLY	WIERRY	MONTHLY
DECIDION   STORY   S	Landtec Model GA-90	(%LEL,%voi CH4, CO2, O2)	\$150.00	\$325.00	\$900.00
TSI Model 8340 Veloci Check  (Air Velocity - Intrinsically Safe)  TSI Model 8385 Veloci Calc  (Temp, Velocity, Volumetric Flowrate)  \$35.00  \$105.00  \$315.00  \$300.0	Landtec Model GEM-500	(%LEL,%vol CH4, CO2, O2)	\$175.00	\$450.00	\$1,200.00
TSI Model 8340 Veloci Check  (Air Velocity - Intrinsically Safe)  \$25.00  \$75.00  \$225.00  \$75.00  \$225.00  \$75.00  \$225.00  \$315.00  \$300	INDOORAIR QUALITY	DETECTION	DAILY	: Wierkly	MONTHLY
TSI Model 8385 Veloci Calc  (Temp, Velocity, Volumetric Flowrate)  \$35.00 \$105.00 \$315.00  \$315.00 \$315.00	TSI Model 8340 Veloci Check		\$25.00	\$75.00	
TSI Model 8385A Veloci Calc			•	,	
TSI Model 8551 Q-Track	·		\$35.00	\$105.00	\$315.00
Alnor Thermo-Anemometer (Air Velocity) (Air Velocit	TSI Model 8551 Q-Track	•	\$75.00	\$225.00	\$675.00
Ainor Velometer 6000AP  (Air Velocity)  (CO2, CO, VOC, Temp & Humidity)  (CO2, CO)  (CO2	Alnor Thermo-Anemometer		\$25.00	\$50.00	\$150.00
RAE Systems IAQRAE (CO2, CO, VOC, Temp & Humidity) \$100.00 \$250.00 \$75		•	* *	\$100.00	\$300.00
Casella Microdust Pro         1 mg/m3 - 2,500 mg/m3 (datalogging unit)         \$85.00         \$190.00         \$570.00           Casella Microdust Pro Environmental Enclosure         \$25.00         \$75.00         \$225.00           MIE personal DataRAM (PDR-1000)         .4 - 400 mg/m3 (datalogging unit)         \$85.00         \$190.00         \$570.00           MIE Miniram Model PDM-3         .1 - 100 mg/m3         \$50.00         \$150.00         \$300.00           MIE PDR-1000 Rechargeable Battery Pack         \$15.00         \$45.00         \$135.00           AIR SAMPLING & HAND PUMPS         **FANGE         **DAILY         **WEFKLY         MONTHL           Apex Sampling Pump         (.005 - 5 lpm)         \$25.00         \$50.00         \$150.00           Blos Dry-Cal DC-1 Calibrator         (5 low flow ranges available)         \$25.00         \$50.00         \$150.00           Gilian Air Sampling Pump         (LFS=1 - 350 cc) (HFS= .5 - 3.5 LPM)         \$25.00         \$50.00         \$160.00           Gast/Thomas Air Sampling Pump         (Drager Tubes Available - Call)         \$10.00         \$50.00         \$150.00           Drager Hand Pump         (Orager Tubes Available - Call)         \$10.00         \$75.00         \$75.00         \$75.00           MERCURY VAPOR ANALYZER         RANGE         DAILY         WEEK	RAE Systems IAQRAE	•	\$100.00	\$250.00	\$750.00
Casella Microdust Pro Environmental Enclosure         \$25.00         \$75.00         \$225.00           MIE personal DataRAM (PDR-1000)         .4 - 400 mg/m3 (datalogging unit)         \$85.00         \$190.00         \$570.00           MIE Miniram Model PDM-3         .1 - 100 mg/m3         \$50.00         \$150.00         \$300.00           MIE PDR-1000 Rechargeable Battery Pack         \$150.00         \$45.00         \$135.00           AIR SAMPEING & HAND PUMPS         RANGE         **DAILY**         WEEKLY**         MONTHL           Apex Sampling Pump         (.005 - 5 lpm)         \$25.00         \$50.00         \$150.00           Blos Dry-Cal DC-1 Calibrator         (5 low flow ranges available)         \$25.00         \$50.00         \$150.00           Gilian Air Sampling Pump (HFS/LFS)         (LFS= 1 - 350 cc) (HFS= .5 - 3.5 LPM)         \$25.00         \$50.00         \$150.00           Gast/Thomas Air Sampling Pump         (Drager Tubes Available - Call)         \$10.00         \$25.00         \$75.00         \$150.00           Drager Hand Pump         (Drager Tubes Available - Call)         \$10.00         \$25.00         \$75.00         \$75.00           Paper Holder - 47mm w/ 3/8" male disconnect         \$5.00         \$15.00         \$30.00         \$30.00           MERCURY VAPOR ANALYZER         RANGE         DAILY<	AEROSOLMONITORS	RANGE	e iDAILY.	: - WEEKLY:	MONTHLY
MIE personal DataRAM (PDR-1000)         4 - 400 mg/m3 (datalogging unit)         \$85.00         \$190.00         \$570.00           MIE Miniram Model PDM-3         .1 - 100 mg/m3         \$50.00         \$150.00         \$300.00           MIE PDR-1000 Rechargeable Battery Pack         \$15.00         \$45.00         \$135.00           AIR SAMPL'ING, & HAND PUMPS         RANGE         *DAILY         WEEKLY         MONTH           Apex Sampling Pump         (.005 - 5 lpm)         \$25.00         \$50.00         \$150.00           Blos Dry-Cal DC-1 Calibrator         (5 low flow ranges available)         \$25.00         \$75.00         \$225.00           Glilan Air Sampling Pump (HFS/LFS)         (LFS= 1 - 350 cc) (HFS= .5 - 3.5 LPM)         \$25.00         \$50.00         \$150.00           Gais/Thomas Air Sampling Pump         (2 - 5,000 cc)         \$25.00         \$50.00         \$150.00           Gast/Thomas Air Sampling Pump         (Drager Tubes Available - Call)         \$10.00         \$25.00         \$75.00           Drager Hand Pump         (Drager Tubes Available - Call)         \$10.00         \$25.00         \$75.00           Hi-Q Hi Volume Sampling Pump         (0 - 4.5 cm3)         \$35.00         \$75.00         \$200.00           Paper Holder - 47mm w/ 376* male disconnect         \$5.00         \$15.00         \$300.0	Casella Microdust Pro	1 mg/m3 - 2,500 mg/m3 (datalogging unit)	\$85.00	\$190.00	\$570.00
MIE Miniram Model PDM-3         .1 - 100 mg/m3         \$50.00         \$150.00         \$300.00           MIE PDR-1000 Rechargeable Battery Pack         \$15.00         \$45.00         \$135.00           AIR SAMPLING & HAND PUMPS         firance         DAILY         WEEKLY         MONTHUM           Apex Sampling Pump         (.005 - 5 lpm)         \$25.00         \$50.00         \$150.00           Blos Dry-Cal DC-1 Calibrator         (5 low flow ranges available)         \$25.00         \$75.00         \$225.00           Gilian Air Sampling Pump (HFS/LFS)         (LFS=1 - 350 cc) (HFS= .5 - 3.5 LPM)         \$25.00         \$50.00         \$150.00           Gast/Thomas Air Sampling Pump (Drager Tubes Available - Call)         \$25.00         \$50.00         \$150.00           Drager Hand Pump (Drager Tubes Available - Call)         \$10.00         \$25.00         \$75.00           Hi-Q Hi Volume Sampling Pump (Drager Tubes Available - Call)         \$10.00         \$25.00         \$75.00           Paper Holder - 47mm w/ 376" male disconnect         \$5.00         \$15.00         \$30.00           MERCURY VAPOR/ANALYZER         RANGE         DAILY         WEEKLY         MONTH           Jerome Model 411 or Model 431         (0.000 to 1.999 mg/ m3 Hg)         \$150.00         \$325.00         \$975.00           CEL-254 Sound Level Me	Casella Microdust Pro Environmental Enclo	sure	\$25.00	\$75.00	\$225.00
### ANGE PDR-1000 Rechargeable Battery Pack  ### ANGE ### DAILY WEEKLY MONTHLE  Apex Sampling Pump (.005 - 5 lpm) \$25.00 \$50.00 \$150.00  ### Blos Dry-Cal DC-1 Calibrator (5 low flow ranges available) \$25.00 \$75.00 \$225.00  ### Glilian Air Sampling Pump (HFS/LFS) (LFS = 1 - 350 cc) (HFS = .5 - 3.5 LPM) \$25.00 \$50.00 \$150.00  ### Glilian Gilibrator Calibration Unit (2 - 5,000 cc) \$25.00 \$50.00 \$150.00  ### Glilian Gilibrator Calibration Unit (2 - 5,000 cc) \$25.00 \$50.00 \$150.00  ### Gast/Thomas Air Sampling Pump \$25.00 \$50.00 \$150.00  ### Grager Tubes Available - Cali) \$10.00 \$25.00 \$75.00  ### Grager Hand Pump (Drager Tubes Available - Cali) \$10.00 \$25.00 \$75.00  ### Glilian Gilibrator - 47mm w/ 3/8* male disconnect \$5.00 \$150.00  ### FANCE DAILY WEEKLY MONTH  ### Jerome Model 411 or Model 431 (0.000 to 1.999 mg/ m3 Hg) \$150.00 \$325.00 \$975.00  ### NOISE DOSIMETERS & SOUND LEVEL METIERS  ### DAILY WEEKLY MONTH  ### CEL-254 Sound Level Meter \$35.00 \$105.00 \$300.00  ### CEL-360 Noise Dosimeter \$45.00 \$120.00 \$325.00  ### CEL-254 Sound Level Meter \$35.00 \$105.00 \$300.00  ### CEL-254 Sound Level Meter \$35.00 \$105.00	MIE personal DataRAM (PDR-1000)	.4 - 400 mg/m3 (datalogging unit)	\$85.00	\$190.00 V	\$570.00
AIR SAMPLING & HAND PUMPS RANGE \$\text{DAILY} 5  WEEKLY MONTHED Representation of the policy o	MIE Miniram Model PDM-3	.1 - 100 mg/m3	\$50.00	\$150.00	\$300,00
Apex Sampling Pump (.005 - 5 lpm) \$25.00 \$50.00 \$150.00  Blos Dry-Cal DC-1 Calibrator (5 low flow ranges available) \$25.00 \$75.00 \$225.00  Gilian Air Sampling Pump (HFS/LFS) (LFS = 1 - 350 cc) (HFS = .5 - 3.5 LPM) \$25.00 \$50.00 \$150.00  Gilian Gilibrator Calibration Unit (2 - 5,000 cc) \$25.00 \$50.00 \$150.00  Gast/Thomas Air Sampling Pump (Drager Tubes Available - Call) \$10.00 \$25.00 \$75.00  Drager Hand Pump (Drager Tubes Available - Call) \$10.00 \$25.00 \$75.00  Paper Holder - 47mm w/ 3/8* male disconnect \$5.00 \$150.00 \$30.00  MERCURY VAPOR ANALYZER RANGE DAILY WEEKLY MONTHL  Jerome Model 411 or Model 431 (0.000 to 1.999 mg/ m3 Hg) \$150.00 \$325.00 \$975.00  NOISE DOSIMETERS & SOUND LEVEL METIERS DAILY WEEKLY MONTHL  CEL-254 Sound Level Meter \$35.00 \$105.00 \$300.00  CEL-320 Noise Dosimeter \$35.00 \$105.00 \$300.00  CEL-320 Noise Dosimeter \$45.00 \$120.00 \$325.00  HEAT STRESS INSTRUMENTS  Casella Heat Stress Monitor \$75.00 \$175.00 \$425.00	MIE PDR-1000 Rechargeable Battery Pack		\$15.00	\$45.00	\$135.00
Blos Dry-Cal DC-1 Calibrator	air sampung & hand pumps	# SRANGE	DAILY	: AMBEKEA	MONTHLY
Blos Dry-Cal DC-1 Calibrator   (5 low flow ranges available)   \$25.00   \$75.00   \$225.00	Apex Sampling Pump	(.005 - 5 lpm)	\$25.00 ·	\$50.00	\$150.00
Gilian Air Sampling Pump (HFS/LFS)			\$25.00	\$75.00	\$225,00
Selian Gilibrator Calibration Unit   (2 - 5,000 cc)   \$25.00   \$50.00   \$150.00			\$25.00	\$50.00	\$150.00
Drager Hand Pump         (Drager Tubes Available - Call)         \$10.00         \$25.00         \$75.00           Hi-Q Hi Volume Sampling Pump         (0 - 4.5 cm3)         \$35.00         \$75.00         \$200.00           Paper Holder - 47mm w/ 3/8" male disconnect         \$5.00         \$15.00         \$30.00           MERCURY VAPOR ANALYZER         RANGE         BAILY         WEEKLY         MONTH           Jerome Model 411 or Model 431         (0.000 to 1,999 mg/ m3 Hg)         \$150.00         \$325.00         \$975.00           NOISE DOSIMETERS & SOUND LEVEL METIERS         DAILY         WEEKLY         MONTH           CEL-254 Sound Level Meter         \$35.00         \$105.00         \$300.00           CEL-320 Noise Dosimeter         \$35.00         \$105.00         \$300.00           CEL-360 Noise Dosimeter         \$45.00         \$120.00         \$325.00           CEL Acoustical Calibrator         \$15.00         \$25.00         \$75.00           HEAT STRESS INSTRUMENTS         BAILY         WEEKLY         MONTH           Casella Heat Stress Monitor         \$75.00         \$425.00	Gilian Gilibrator Calibration Unit	(2 - 5,000 cc)	\$25.00	\$50.00	\$150.00
Drager Hand Pump         (Drager Tubes Available - Call)         \$10.00         \$25.00         \$75.00           Hi-Q Hi Volume Sampling Pump         (0 - 4.5 cm3)         \$35.00         \$75.00         \$200.00           Paper Holder - 47mm w/ 3/8* male disconnect         \$5.00         \$15.00         \$30.00           MERCURY VAPOR ANALYZER         RANGE         DAILY         WEEKLY         MONTH           Jerome Model 411 or Model 431         (0.000 to 1.999 mg/ m3 Hg)         \$150.00         \$325.00         \$975.00           NOISE DOSIMETERS & SOUND EVEL METERS         DAILY         WEEKLY         MONTH           CEL-254 Sound Level Meter         \$35.00         \$105.00         \$300.00           CEL-320 Noise Dosimeter         \$35.00         \$105.00         \$300.00           CEL-360 Noise Dosimeter         \$45.00         \$120.00         \$325.00           CEL Acoustical Calibrator         \$15.00         \$25.00         \$75.00           HEAT STRESS INSTRUMENTS         BAILY         WEEKLY         MONTH           Casella Heat Stress Monitor         \$75.00         \$175.00         \$425.00	Gast/Thomas Air Sampling Pump		\$25.00	\$50.00	\$150.00
Hi-Q Hi Volume Sampling Pump   (0 - 4.5 cm3)   \$35.00   \$75.00   \$200.00     Paper Holder - 47mm w/ 3/8" male disconnect   \$5.00   \$15.00   \$30.00     MERCURY VAPOR ANALYZER   RANGE   DAILY   WEEKLY   MONTH!   Jerome Model 411 or Model 431   (0.000 to 1.999 mg/ m3 Hg)   \$150.00   \$325.00   \$975.00     NOISE DOSIMETERS   DAILY   WEEKLY   MONTH!   CEL-254 Sound Level Meter   \$35.00   \$105.00   \$300.00     CEL-320 Noise Dosimeter   \$35.00   \$105.00   \$300.00     CEL-360 Noise Dosimeter   \$45.00   \$120.00   \$325.00     CEL-360 Noise Dosimeter   \$45.00   \$120.00   \$325.00     CEL Acoustical Calibrator   \$15.00   \$25.00   \$75.00     HEAT STRESSINSTRUMENTS   DAILY   WEEKLY   MONTH!   Casella Heat Stress Monitor   \$75.00   \$175.00   \$425.00		(Drager Tubes Available - Call)	\$10.00	\$25.00	\$75.00
Paper Holder - 47mm w/ 3/8" male disconnect   \$5.00	•		\$35.00	\$75.00	\$200.00
Jerome Model 411 or Model 431         (0.000 to 1.999 mg/ m3 Hg)         \$150.00         \$325.00         \$975.00           NGISE DOSIMETERS & SQUNDILEVEL METERS ****         DAILY         WEEKLY (*** MONTHI           CEL-254 Sound Level Meter         \$35.00         \$105.00         \$300.00           CEL-320 Noise Dosimeter         \$35.00         \$105.00         \$300.00           CEL-360 Noise Dosimeter         \$45.00         \$120.00         \$325.00           CEL Acoustical Calibrator         \$15.00         \$25.00         \$75.00           HEAT STRESS INSTRUMENTS         DAILY         WEEKLY         MONTHI           Casella Heat Stress Monitor         \$75.00         \$175.00         \$425.00			\$5.00	\$15.00	\$30.00
NOISE DOSIMETERS & SOUNDILEVEL METIERS         DAILY         WEEKLY         MONTH I           CEL-254 Sound Level Meter         \$35.00         \$105.00         \$300.00           CEL-320 Noise Dosimeter         \$35.00         \$105.00         \$300.00           CEL-360 Noise Dosimeter         \$45.00         \$120.00         \$325.00           CEL Acoustical Calibrator         \$15.00         \$25.00         \$75.00           HEAT STRESS INSTRUMENTS         DAILY         WEEKLY         MONTHI           Casella Heat Stress Monitor         \$75.00         \$175.00         \$425.00	MERCURY VAPORANALYZER	RANGE	DAJLY	MEEKLY	MONTHLY
CEL-254 Sound Level Meter         \$35.00         \$105.00         \$300.00           CEL-320 Noise Dosimeter         \$35.00         \$105.00         \$300.00           CEL-360 Noise Dosimeter         \$45.00         \$120.00         \$325.00           CEL Acoustical Calibrator         \$15.00         \$25.00         \$75.00           HEAT STRESS INSTRUMENTS         DAILY         WEEKLY         MONTH           Casella Heat Stress Monitor         \$75.00         \$175.00         \$425.00	Jerome Model 411 or Model 431	(0.000 to 1.999 mg/ m3 Hg)	\$150.00	\$325.00	\$975.00
CEL-320 Noise Dosimeter         \$35.00         \$105.00         \$300.00           CEL-360 Noise Dosimeter         \$45.00         \$120.00         \$325.00           CEL Acoustical Calibrator         \$15.00         \$25.00         \$75.00           HEAT STRESS INSTRUMENTS         DAILY WEEKLY & MONTHI           Casella Heat Stress Monitor         \$75.00         \$175.00         \$425.00	NOISEDOSIMETERS & SOUNDIL	EVELMETERS	DAILY	Waakiya	MONTELY
CEL-360 Noise Dosimeter         \$45.00         \$120.00         \$325.00           CEL Acoustical Calibrator         \$15.00         \$25.00         \$75.00           HEAT STRESS INSTRUMENTS         DAILY - WEEKLY - MONTHI           Casella Heat Stress Monitor         \$75.00         \$175.00         \$425.00	CEL-254 Sound Level Meter		\$35.00	All and the second seco	\$300.00
CEL-360 Noise Dosimeter         \$45.00         \$120.00         \$325.00           CEL Acoustical Calibrator         \$15.00         \$25.00         \$75.00           HEAT/STRESS/INSTRUMENTS         DAILY - WEEKLY - MONTHI           Casella Heat Stress Monitor         \$75.00         \$175.00         \$425.00	CEL-320 Noise Dosimeter		\$35.00	\$105.00	\$300.00
CEL Acoustical Calibrator \$15.00 \$25.00 \$75.00  HEAT STRESS INSTRUMENTS \$2 DAILY WEEKLY MONTHS  Casella Heat Stress Monitor \$75.00 \$175.00 \$425.00					\$325.00
Casella Heat Stress Monitor \$75.00 \$175.00 \$425.00			·		
Casella Heat Stress Monitor \$75.00 \$175.00 \$425.00	HEATSTRESSINGTERIMENTS		ADVIII V		MONTELLY
					\$425.00
Phone: 800-393-4009 www.fieldenvironmental.com Fax: 412-271-508		www.fieldenvironmental.c			12-271-5083

# FIELD ENVIRONMENTAL INSTRUMENTS, INC. 1-800-393-4009 www.fieldenvironmental.com

## WATER MONITORING EQUIPMENT RENTAL RATES

Phone: 800-393-4009



Fax: 412-271-5083

MULTERARAMETER WIFE FROW GELCH.	DPARAMETERS IN LETT AND	DAILY "	WEEKLY	MONTHLY
Horiba Model U-10	(pH-DO-C-T-S-Turb.)	\$60.00	\$175.00	\$500.00
Horiba Model U-22-2 meter cable	(pH-DO-C-T-S-ORP-TDS-Turb.)	\$125.00	\$300.00 V	\$900.00
Horiba Model U-22-10 meter cable	(pH-DO-C-T-S-ORP-TDS-Turb.)	\$135.00	\$325.00	\$925.00
Horiba Model U-22-30 meter cable	(pH-DO-C-T-S-ORP-TDS-Turb.)	\$150.00	\$375.00	\$950.00
Horiba Model U-22-100 meter cable	(pH-DO-C-T-S-ORP-TDS-Turb.)	\$175.00	\$400.00	\$1,000.00
Horiba Model U-22 Flow-thru Cell		\$10.00	\$20.00	\$60.00
Horiba U-22 Extension Adapter Software		\$10.00	\$20.00	\$60.00
YSI Model 556 MPS	(pH-DO-C-T-ORP)	\$125.00	\$300.00	\$900.00
YSI Model 556 MPS-10	(pH-DO-C-T-ORP)	\$135.00	\$325.00	\$950.00
YSI Model 556 MPS-20	(DO,pH,C,T,ORP.)	\$150.00	\$350.00	\$975.00
YSI Model 600XL w/650D & Flow thru cell	(pH,C,ORP,T, DO, S)	\$125.00	\$300.00	\$900.00
YSI Model 6820 w/650D & Flow thru cell	(pH,C,ORP,T,DO,S,TURB)	\$150.00	\$450.00	\$1,100.00
YSI Field Cables: Model 600 & 6800 Series-50	& 100' Available	\$25.00	\$50.00	\$150.00
WATERQUALITY INSTRUMENTS -	PARAMETERS 1220	DAILY	-Waakibk	MONTHLY
Myron L Ultrameter Model 6P	(pH,Cond,TDS,R,ORP,T)	\$35.00	\$75.00	\$225.00
Oakton Model 310	((pH or ORP, Temp.)	\$25.00	\$50.00	\$150.00
Oakton Model 10	(pH, Cond,Temp.)	\$25.00	\$50.00	\$150.00
Oakton Model 300	(pH, DO, Temp)	\$50.00	\$125.00	\$300.00
Oakton Model DO Meter-Up to 50' Cable	(DO Only)	\$35.00	\$75.00	\$225.00
Horiba D-24-1	(pH-T-Cond)	\$35.00	\$75.00	\$225.00
Horiba D-24-2	(ORP, T, Cond)	\$35.00	\$75.00	\$225.00
Horiba D-25-1	(pH, T, DO)	\$50.00	\$125.00	\$300.00
Horiba D-25-2	(ORP, T, DO)	\$50.00	\$125.00	\$300.00
YSI 50 Series DO Meter (up to 100' cable)	(DO Only)	\$35.00	\$75.00	\$225.00
Lamotte Turbidity Meter Model 2020		\$35.00	\$75.00	\$225.00
Oakton Turbidity Meter		\$35.00	\$75.00	\$225.00
WATER ANALYSIS INSTRUMENTS	REAGENTS	DAILY	- Waakily	MONTHLY
HACH Spectrophotometer Model DR/2010	Call	\$65.00	\$175.00	\$450.00
Lamotte Smart 2 Colorimeter	Call	\$35.00	\$75.00	\$225.00
Royce Total Suspended Solids Analyzer		\$50.00	\$125.00	\$375.00

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Environmental Equipment & Field Supplies

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	er Court	V-094	•
WATER LEVEL & OULWATER INTERFACE METERS	-MEYATLY **	Magkily	MONTHLY
Water Level Meters: up to 400' (Heron, Solinst, Slope, Testwell)	\$25.00	\$50.00	\$150.00
Water Level Meters: 400' - 500' (Heron, Solinst, Slope, Testwell)	\$35.00	\$60.00	\$175.00
Water Level Meter with Temperature Gauge (Heron 300')	\$35.00	\$60.00	\$175.00
Interface Meters: up to 300' ( Heron, Solinst, Keck, GeoTech and Testwell)	\$45.00	\$135.00	\$325.00
Interface Meters: 400'+ (Heron)	\$50.00	\$150.00	\$400.00
DATALOGGERS; TRANSDUCERS & COMPUTIERS 12	DAILY	Maskey	MONTHLY
Mini Troll Professional W/ 50' Quick-Connect Cable (Levels and Temp)	\$100.00	\$225.00	\$650.00
Mini Troll Professional W/ 100 Quick-Connect Cable (Levels and Temp)	\$125.00	\$250.00	\$700.00
Mini Troli Professional W/ 200' + Quick Connect Cable (Levels and Temp)	\$150.00	\$275.00	\$750.00
In-Situ Quad Box W/Communication Cables	\$25.00	\$100.00	\$300.00
Solinst Barologger	\$25.00	\$50.00	\$150.00
Solinst Levelogger Model 3001 LT W/O Cable	\$50.00	\$145.00	\$435.00
Solinst Levelogger Model 3001 LT W/ 50' Cable	\$55.00	\$150.00	\$450.00
Solinst Levelogger Model 3001 LT W/100' Cable	\$60.00	\$155.00	\$465.00
Solinst Levelogger Model 3001 LT W/ 200' Cable	\$65.00	\$160.00	\$470.00
Laptop Computer	\$50.00	\$125.00	<b>\$300.00</b>
Compaq Pocket PC with Win-Situ Software and Cables	\$25.00	<b>\$</b> 100.00 √	.\$300.00
GELOWPROBES & GEOWMETERS 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	DAILY TO	Maakey.	MONIGHEY
Global Water Flow Probe (3' to 6')	\$35.00	\$75.00	\$225.00
GPI Digital Flow Meter	\$25.00	\$50.00	\$150.00

#### ATTACHMENT B

DRILLER COST COMPARISON

#### BID EVALUATION FOR DRILLING SERVICES, NEW CASSEL INDUSTRIAL AREA SITE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION SUPERFUND STANDBY CONTRACT

ITEM DESCRIPTION U		UNIT QUANT.		Delta Well and Pump Company, Inc.		Geologic NY, Inc.		Nothnagle Drilling, Inc.		Parrat-Wolff, Inc.	
TER DESCRIPTION	, old	WOANT.	UNIT PRICE	TOTAL PRICE	UNIT	T	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT	TOTAL PRICE
A. MOBILIZATION/DEMOBILIZATION,     B. MUD ROTARY PORTABLE PIT SET UP     C. SECURITY FOR DRILL RIG AND MUD PIT     D. CONSTRUCTION AND REMOVAL OF DECON PAD     E. SOUND BARRIER FOR MUD ROTARY DRILLING	Lump Sum Lump Sum Per Hour Lump Sum Lineal Foot Per Well/Boring	1 2 972 1 64	\$12,000.00 \$7,500.00 \$40.00 \$900.00 \$20.00 \$250.00	\$12,000.00 \$15,000.00 \$38,880.00 \$900.00 \$1,280.00 \$2,250.00	-ELECTE	D NOT			D NOT TO BID-		NOT TO BID-
F. WELL/BORING SET-UP 2 HOLLOW STEM AUGER DRILLING	Per Weil/Boring	у	\$250.00	\$2,250.00	1		•				
(1) 0-50 FEET IN DEPTH C. 3.25" ID HOLLOW STEM AUGERS (2) 50-100 FEET IN DEPTH	Lineal Foot	350	\$18.00	\$6,300.00			•		•		• •
B. 3.25" ID HOLLOW STEM AUGERS  (3) 100-200 FEET IN DEPTH  B. 3.25" ID HOLLOW STEM AUGERS	Lineal Foot	350 700	\$18.00 \$22.00	\$6,300.00							
(4) 200-285 FEET IN DEPTH				\$15,400.00				,			
B. 3.25" ID HOLLOW STEM AUGERS MUD ROTARY	Lineal Foot	595	\$40.00	\$23,800.00	4						
(2) 0-50 FEET IN DEPTH C. 8-INCH DIAMETER BIT (2) 50-100 FEET IN DEPTH	Lineal Foot	100	\$50.00	\$5,000.00							
C. 8-INCH DIAMETER BIT (2) 100-200 FEET IN DEPTH	Lineal Foot	100	\$50.00	\$5,000.00	1		•				
C. 8-INCH DIAMETER BIT (2) GREATER THAN 200 FEET IN DEPTH	Lineal Foot	200	\$50.00	\$10,000.00							
C. 8-INCH DIAMETER BIT	Lineal Foot	600	\$50.00	\$30,000.00						· I	<b>V</b>
6. BOREHOLE SAMPLING SHELBY TUBE SAMPLING C. 100-200 FOOT IN DEPTH D. GREATER THAN 200 FOOT IN DEPTH	Per Sample Per Sample	9	\$400.00 \$450.00	\$3,600.00 \$4,050.00	\$		•				
BOREHOLE SAMPLING HYDRO PUNCH SAMPLING A. 0-50 FOOT IN DEPTH B. 50-100 FOOT IN DEPTH C. 100-200 FOOT IN DEPTH D. GREATER THAN 200 FOOT IN DEPTH	Per Sample Per Sample Per Sample Per Sample	2 4 10 32	\$225.00 \$275.00 \$300.00 \$350.00	\$450.00 \$1,100.00 \$3,000.00 \$11,200.00	٠.						
BOREHOLE GAMMA LOGGING A. 285-FOOT BORINGS B. 500-FOOT BORINGS	Lump Sum Lump Sum	7 2	\$300.00 \$500.00	\$2,100.00 \$1,000.00							
7. BOREHOLE ABANDONMENT A. 4 TO 8 INCH DIAMETER BOREHOLE	Per Foot	1,350	\$10.00	\$13,500.00	· .						
VERTICAL PROFILE INSTALLATION     A. 2-INCH STAINLESS STEEL SCREEN (TYPE 304)     B. 2-INCH SCHEDULE 40 CARBON STEEL RISER PIPE	Per Foot Per Foot	5 295	\$40.00 \$6.00	\$200.00 \$1,770.00							
16. VERTICAL PROFILE GROUNDWATER SAMPLING (1) (ITEM BILLED USING WELL DEVELOPMENT HOURLY COSTS) SUBMERSIBLE PUMP TO PURGE/COLLECT SAMPLE	Per Hour	224	\$200.00	\$44,800.00							
19. BACKHOE EXCAVATOR (2) TO TRANSPORT SOIL CUTTINGS TO ROLL- OFF CONTAINER A. MOBILIZATION AND DEMOBILIZATION B. RUBBER TIRE BACKHOE	Lump Sum Per Hour	1 220	\$1,200.00 \$125.00	\$1,200.00 \$27,500.00					·		•
21. WATER HAULING (3) (INCLUDES LABOR AND VEHICLE WITH MINIMUM OF 500 GALLON CAPACITY TO SUPPLY AND TRANSPORT WATER)		28	\$900.00	\$25,200.00							
15. CONTAINERIZATION OF DRILLING MATERIAL AND STAGING A. PROVIDE CLEAN EMPTY DOT APPROVED 55	Per 55 Gallon Drum	70 -	\$50.00	\$3,500.00					•		
GALLON DRUMS WITH SEALS, BUNGS AND LIDS B. FILLING, MOVING AND STAGING 55 GALLON DRUMS	Per 55 Gallon Drum	70	\$30.00	\$2,100.00							
ON-SITE ON PALLETS C. MOVE FILLED DRUMS TO SECONDARY LOCATION WITHIN 1 MILE OF DRILL SITE	Per 55. Gallon Drum	70	\$35.00	\$2,450.00	·						
20. SITE RESTORATION A. TOPSOIL B. GRASS SEEDING C. ASPHALT PAVING	Cubic Yard Square Yard Bag (60 lbs.)	5 10 36	\$30.00 \$15.00 \$25.00	\$150.00 \$150.00 \$900.00							
21. SPECIALTY ITEMS (Road and Hydrant Permits)	Per Permit	9	\$300.00 \$150.00	\$2,700.00 \$3,000.00							•
22. STANDBY TIME	Per Hour	20	3 (30.00	\$3,000.00	1		\$0.00	L	\$0.00	<u> </u>	\$0.00

Notes:

(1) Estimated hours based on collection of 13 groundwater samples over a 4 day 8-hour period at each tempoary vertical profile well.

(2) Backhoe/Excavator to be used 2 hours a day for a duration of 110 days, to transport soil to roll - off containers. Within 1 mile of drill site.

(3) Water Hauling is estimated for 2 hours a day for a duration of a 110 days.

### **Matt DeVinney**

From:

chris@deltawell.com

Sent:

Wednesday, April 25, 2007 4:39 PM

To:

MDeVinney@db-eng.com

Subject:

Re: 2564: New Cassel Industrial Area

Matt - it all looks good to me. Re the sound barriers. They may be necessary on the mud rotary holes as that rig can be loudere than the HSA rig. Really should only need them if we are right in front of someone's house. Again I don't know the setbacks of the houses to the curbs. Hopefully we can be offset somewhat rather than right in front of a house. If we did need them we'd typically need to do about a 32 foot run along the rig between it and the house so if you wanted u could figure a cost of 64 feet at 20.00 per foot as a contingency item.

Quoting MDeVinney@db-eng.com:

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> Chris,
> Please see our responses below. If you disagree, or believe that the costs
> need to be revised, please give us a call to discuss. Hopefully we can all
 get on the same page again after the long break in this project. Thank you,
> MATT DEVINNEY
> Dvirka and Bartilucci Consulting Engineers
> 330 Crossways Park Drive
> Woodbury, New York 11797
> 516-364-9890;9045(Fax)
> mdevinney@db-eng.com
> ----Original Message----
> From: chris@deltawell.com [mailto:chris@deltawell.com]
> Sent: Tuesday, April 24, 2007 11:42 AM
> To: MDeVinney@db-eng.com
> Subject: Re: 2564: New Cassel Industrial Area
> Sorry - I couldn't find my original notes but the only thing I want to
> clarify is the time under Item 16 the hourly rate needs to cover the
> time it takes to prepare the 2" pipe and then install it to the
> initial depth as well as remove it from the hole after the last sample
> is obtained. It also covers the time to pull the temp well up and
> install and remove the 2" pump. Basically It needs to vover all the
> work for the day associated with the sampling. Other items can cover
> any decontamination or IDW handling.
> D&B Response: Based upon your discussions with Keith last fall, you
> indicated that the 13 samples from each boring could be completed in 3-4
> days. As a result, we have assumed 4 days per boring, 8-hrs per day and 7
> borings, for 224 hours.
> Wanted to confirm the permits as well - if road opening they are all
> Town of Hempstead?
  D&B Response: Road opening permits could also be Town of North Hempstead or
  Nassau County, depending upon the final selection of the locations.
> You bunched in Hydrant and Road wrok permits. I would obtain them
  separately on a site by site as needed basis but not knowing the sites
  I would have 9 road and 9 hydrant for 18 total.
> D&B Response: We understand that these permits would be obtained
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> separately. Based upon your discussions with Keith last fall, the road
> opening permits were approximately $100 per permit, and we assigned
> approximately $200 per hydrant. As a result, a total cost of $300 per
> boring has been allotted for permitting (total $2,700).
> If nearby hydrants are available that would help decrease the water
> hauling item.
> D&B Response: Acknowledged. We will leave these costs as is for now since
> we do not know the final locations of the borings.
> Finally this pricing did not include any applicable sales tax. I do
> not know if the project is taxable.
> D&B Response: The costs of services provided by Delta to D&B for this
> project should not include tax related to the work, as the work is being
> conducted as part of our Standby Contract with the NYSDEC which, as a State
> agency, is exempt from tax.
> Also we will obtain any available One-Call-Center markouts but have to
> exclude any sites where the one call center will not/can not mark.
> D&B Response: Locations of the borings will generally be within public
> rights-of-way. Delta will be responsible for all utility clearance required
> to conduct the work.
> Restoration is also a wild card.
> D&B Response: It is our understanding that the provisions included for site
> restoration will be sufficient given the work to be completed.
> understand that unforeseen conditions may warrant additional site
> restoration. Should additional work be required, payment for such work will
> be resolved at that time.
> The locations may require the installation of a sound barrier - again
> I don't know the sites. We typically install an 8' high barrier at a
> cost of 20.00 per foot. You may want to pút in a line item for that.
> D&B Response: We do not have any experience with the requirement to install
> sound barriers for drilling. Have you had some recent experiences where
> this has been required? The locations will likely be in
> residential/commercial areas, and work will be completed during normal
> business hours. If it is absolutely necessary, based upon your experience,
> we will need an estimate to provide the sound barriers at each location.
> Quoting MDeVinney@db-eng.com:
>> Chris,
>>
>> When do you think you will be able to take a look at the information I
>> e-mailed yesterday? We are trying to get our revised work plan to the DEC
>> as soon as possible. Thanks a lot,
>>
>> MATT DEVINNEY
>> Dvirka and Bartilucci Consulting Engineers
>> 330 Crossways Park Drive
>> Woodbury, New York 11797
>> 516-364-9890;9045(Fax)
>> mdevinney@db-eng.com
>>
>>> ----Original Message----
            Matt DeVinney
>>> From:
          Monday, April 23, 2007 9:20 AM
>>> Sent:
>>> To:
            'chris@deltawell.com'
                  2564: New Cassel Industrial Area
>>> Subject:
>>>
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>>> Chris,

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>>> As discussed, attached please find a description of the scope of work
>>> our work plan and the 2.11 form previously submitted to the DEC. Can you
>>> please verify that these costs are those agreed upon between you and
> Keith
>>> back in November before we re-submit for final approval? Thanks a lot,
>>> and please contact me with any questions and/or comments. Thank you,
>>>
>>> << File: Delta Drilling Costs.xls >> << File: Drilling Services Scope
> of
>>> Work.pdf >>
>>>
>>> MATT DEVINNEY
>>> Dvirka and Bartilucci Consulting Engineers
>>> 330 Crossways Park Drive
>>> Woodbury, New York 11797
>>> 516-364-9890; 9045 (Fax)
>>> mdevinney@db-eng.com
>>>
>>
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>



# RECORD OF TELEPHONE CONVERSATION

CALL PLACED TO: GOODS IC NY IX. CALL PLACED FROM: D+B
DATE: 4/30/07  SUBJECT: New Casel Industrial Area  TIME: 2:15  TELEPHONE: 607-749-5000  JOB NO.: 8564
Geologic Indicated that they will not be providing a quote for the New Cassel Inductrial Area project. The work cannot be completed with their in-truse
equipment, and wall need to be done with somic drilling. As a result, they are electing not to bid after further raisew.
cc:

#### Matt DeVinney

From:

Steve Dilaura [steved@nothnagledrilling.com]

Sent:

Monday, April 23, 2007 11:06 AM

To: Subject: MDeVinney@db-eng.com RE: 2564: New Cassel Industrial Area

Matt,

Sorry I haven't got back to you sooner. Given the project size, distance from our office and present commitments we will not be submitting a bid. Please give me a call if I can help further with your bidding process.

Thanks Steve

----Original Message----

From: MDeVinney@db-eng.com [mailto:MDeVinney@db-eng.com]

Sent: Friday, April 20, 2007 1:59 PM To: steved@nothnagledrilling.com

Subject: 2564: New Cassel Industrial Area

Steve,

Sorry for the short notice, but I just found out that we need to get some information back today if possible. Can you let me know what you can provide? Even if the numbers are preliminary, it would still be helpful. Thanks a lot, and please call me if you would like to discuss.

MATT DEVINNEY

Dvirka and Bartilucci Consulting Engineers 330 Crossways Park Drive Woodbury, New York 11797 516-364-9890;9045(Fax) mdevinney@db-eng.com

```
----Original Message-
           Matt DeVinney
            Friday, April 20, 2007 10:08 AM
> To: 'steved@nothnagledrilling.com'
> Subject: 2564: New Cassel Industrial Area
> Steve,
> As discussed, we have an upcoming project in New Cassel, Long Island that
> will involve the installation of temporary wells and hydropunch sampling,
> borings, shelby tube sampling, gamma logging, etc. I have attached a
> brief summary of the work and a 2.11 form with your unit prices already
> included. We would like Nothnagle to provide a site-specific quote for
> the remaining items.
> One thing to note is that we have, for now, inserted your unit price for
> SCH 40 PVC Riser Pipe for the temporary wells. This may not be > appropriate, and we may need to go with a steel or iron pipe to get more
> strength. Let us know what you think. Please do not hesitate to contact
> me with any questions and/or comments, or to discuss the scope of work.
> Thank you,
  << File: Nothnagle Drilling Costs.xls >> << File: Drilling Services
> Scope of Work.pdf >>
```

- > MATT DEVINNEY
  > Dvirka and Bartilucci Consulting Engineers
- > Dvirka and Bartilucci Con > 330 Crossways Park Drive > Woodbury, New York 11797 > 516-364-9890;9045(Fax) > mdevinney@db-eng.com >

#### Matt DeVinney

From: Sent: Bill Morrow [wmorrow@pwinc.com] Friday, April 20, 2007 12:01 PM MDeVinney@db-eng.com

To: Subject:

RE: 2564: New Cassel Industrial Area

#### Matt -

Just confirm, Parratt-Wolff, Inc. does not currently have the capabilities to execute your proposed work scope.

Thank you for your consideration.

Bill

> Bill,

Bill Morrow Parratt-Wolff, Inc. PO Box 56, 5879 Fisher Road East Syracuse, NY 13057 (800) 782-7260 (315) 437-1429 (315) 437-1770 fax www.pwinc.com

----Original Message----

From: MDeVinney@db-eng.com [mailto:MDeVinney@db-eng.com]

Sent: Friday, April 20, 2007 10:59 AM

To: wmorrow@pwinc.com

> mdevinney@db-eng.com

Subject: FW: 2564: New Cassel Industrial Area

> As discussed, please find attached a description of the work to be
> completed at the New Cassel Industrial Area. It is our understanding that
> you do not have the capability to complete the temporary well installation
> and hydropunch sampling due to the depth of the wells. Please confirm
> this via return e-mail.
>
> Thank you for your time, and hopefully we can work together on the next
> project.
>
> <<Drilling Services Scope of Work.pdf>>
> MATT DEVINNEY
> Dvirka and Bartilucci Consulting Engineers
> 330 Crossways Park Drive
> Woodbury, New York 11797
> 516-364-9890; 9045 (Fax)

# ATTACHMENT C

WASTE DISPOSAL COST COMPARISON



# BID EVALUATION FOR WASTE DISPOSAL, NEW CASSEL INDUSTRIAL AREA SITE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION SUPERFUND STANDBY CONTRACT

ITEM DESCRIPTION		UNIT QL	QUANT.	Brookside Environmental Inc.		Action Trucking		Eastern Environmental Solutions, Inc.		Allied Environmental Group		Coastal Environmental Group, Inc.	
				UNIT PRICE	TOTAL	·UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE
1	15 cubic yard container - Delivery	Per Event	3	\$600	\$1,800	\$250	\$750	\$650	\$1,950	\$600	\$1,800	\$625	\$1,875
2	15 cubic yard container - Rental	Per Day	154	\$18	\$2,772	\$10	\$1,540	\$20	\$3,080	\$20	\$3,080	\$25	\$3,850
3	15 cubic yard container - Removal	Per Event	3	\$1,100	\$3,300	\$450	\$1,350	\$950	\$2,850	\$900	\$2,700	\$750	\$2,250
4	Disposal of non-hazardous drill cuttings	Per Ton	80	\$60	\$4,800	\$60	\$4,800	\$68	\$5,440	\$100	\$8,000	\$130	\$10,400
5	Disposal of non-hazardous drill cuttings	Per Drum	70	\$85	\$5,950	\$135	\$9,450	\$100	\$7,000	\$95	\$6,650	\$120	\$8,400
6	Disposal characterization sampling and analysis	Per Sample	4	\$350	\$1,400	\$550	\$2,200	\$825	\$3,300	\$1,000	\$4,000	\$675	\$2,700
то	TAL				\$20,022		\$20,090		\$23,620		\$26,230		\$29,475

	FAX TRANSMITTAL	_
	Date: 4-20-07	
o: Kei	th Robins/ Frank DeVi	ta
mpany:	D+B	
om:	Diek Taylor	
):	Drill Cuttings	
ıx #	Number of pages including of	over: $\geq$

Call :f

757 Foxhurst Road, Baldwin, New York 11510 Phone (516)377-6300 Fax (516) 377-6846 WWW. BrooksideWeb.COM

# SCHEDULE 2.11 (f) 3 UNIT PRICE SUBCONTRACTS SUMMARY NEW CASSEL INDUSTRIAL AREA Work Assignment Number 0004448-8

NAME OF SUBCONTRACTOR	SERVICES TO BE PERFORMED	SUBCONTRACT PRICE	:
	Waste Disposal		
<u>ltem</u>	Maximum Reimbursement <u>Rate</u>	Estimated No. of Units	Total Estimated <u>Costs</u>
15 cubic yard container - Delivery	\$ 600 Per event	3 Events	1,800
15 cubic yard container - Rental	# 18 Per day	154 Days	2,772
15 cubic yard container - Removal	# 1,100 Per event	3 Eyents	3,300
Disposal of non-hazardous drill cuttings	# 60 Perton	80 Tons	4,800-
Disposal of non-hazardous drill cultings	\$ 85 Per drum	70 Drums	5,950-
Oleposal characterization sampling and analysis	\$ 350 Per sample	4 Samples	1,400
	TOYAL	共	20,022

TOTAL

Brookside Environmental, Inc.
Richard Zah 4-70-07



Date: Thursday, April 19, 2007

To: D & B

Frank DeVita

Phone: 516-364-9890 Fax: 516-364-9045

From: Action Trucking

Ralph Pantony

Phone: 516-781-3000 Fax: 516-781-3085

Pages: 2

Subject: New Castle Industrial Area

ACTION REMEDIATION, INC.

Page No.

Pages

Proposal

ACTION TRUCKING 3010 BURNS AVENUE WANTAGH, NEW YORK 11793

	(516) 781-3000 FA	X# (516) 781-3085 nazmat.com				
PROPOSAL SUBMITTED TO DVICKE & Bartilucci		516-364-9890	DATE 4/19/2007			
STREET 330 Crossways Park Drive		Industrial Area				
CITY, STATE AND SECURE, NY 1	1797	New Castle				
Architect Attn: Frank DeVita	Fax: 516-364-9045		JOB PHONE			
We hereby submit specifications and estimates for	T.					
We will provide the following servi	ces:	with a management of the same				
Delivery of 15 yard contains	er (3 @ \$250 per contain	ler)	\$750,00			
Rental charge for container	s (154 days @ \$10 per c	jay)				
Removal & transportation of	of containers (3.@.\$450)	per-container)	\$1,350.00			
Disposal of non-haz drill c	uttings (60 tons @ \$60 p	er ton)	\$3,600.00			
	itings (70 drums @ \$135	5-per-drum)	\$9,450,00			
	ampling & enalysis (4 se	ımples @ \$550 per samp	<del>e)</del> -\$2,200.00			
	and the second s		NAME OF THE OWNER OF THE OWNER OF THE OWNER OF THE OWNER OF THE OWNER OF THE OWNER OF THE OWNER OF THE OWNER OWNER OF THE OWNER OWNE			
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1971 - S. C. Spale for Communication Supplied States	and a serious supple supple supply supply and the serious supply	and the second s				
The state of the s			to the second of the second se			
Me Propose hereby to furn	ish material and labor — o	complete in accordance with	above specifications, for the sum of:			
Payment to be made as follows:		<u> </u>	dollars (\$ ) .			
Capriotic to we made as 1909193.						
All material is guaranteed to be as specified. All work manner according to stendard practices. Any alteratio tions involving extra custs will be executed only upon extra charge over and above the estimate. All sersemen	n or deviation from above specifica- written orders, and will become an	Authorized Colp	wtantony in			
or delays beyond our control. Owner to carry fire, torn Our workers are fully covered by Workman's Compensal	ado, and other recessary insurance.		I may be ed within days.			
Acceptance of Proposal -						
and conditions are satisfactory and are hereby do the work as specified. Payment will be made		Signature				
Date of Acceptance:		Signature				



"Innovative Solutions for Today's Environmental Concerns"
119 North Phillips Avenue
P.O Box 516
Speonk, New York 11972
Office: (631) 325-2700

Fax: (631) 325-8394

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## ---FAX TRANSMITTAL---

To:	Frank DeVita From: Gary Scoppio							
Company	:	D&B		Date:		04/19/07		
RE: Proposa		pposal		Project:		New Cassel Industrial Area		
Fax: 516-		364-9045		Pages (i	ncluding	cover):		2
Urgen	nt	For Review	Please Comm	nent		Please Reply		Please Recycle

Frank,

It was nice speaking with you again.

Attached please find our proposal for the above referenced project.

If you have any questions or if I could be of assistance in any manner please do not hesitate to contact me at any time. We look forward to serving you.

Best regards, Gary



SERVICES TO BE

SUBCONTRACT

NAME OF SUBCONTRACTOR	PERFORMED	PRICE	:
	Waste Disposal		
<u>item</u>	Maximum Reimbursement <u>Rate</u>	Estimated No. of Units	Total Estimated <u>Costs</u>
15 cubic yard container - Delivery	\$ 650.60 Per eveni	3 Events	\$1,950.00
15 cubic yard container - Rental	20,00 Per day	154 Days	\$ 3,080.00
15 cubic yard container - Removal	\$ 950,000 er eveni	3 Events	<b>\$</b> 2850.∞
Disposal of non-hazardous drill cultings	# 68.00 Per ton	80 Tons	# 5,440.00
Disposal of non-hazardous drill cuttings	100.00 per drum	70 Drums	\$7,000.00
Disposal characterization sampling and analysis	#825.00 Per sample	4 Samples	\$3,300.00

TOTAL \$ 23,620.00

