

AECOM

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RECEIVED
SEP 28 2009

September 23, 2009

BY:.....

Ms. Arlene Furuseth
Project Leader
Minnesota Pollution Control Agency
714 Lake Avenue, Suite 220
Detroit Lakes, MN 56501

Subject: Proposed Fiscal Year 2010 (FY10) Work Plan for Leak 15656 at Former Alex Exhaust, 905 - 3rd Avenue East in Alexandria, Minnesota; AECOM Proposal 04660-A81

Dear Ms. Furuseth,

AECOM Inc. (AECOM) is providing this proposal per your request to conduct fiscal year 2010 (FY10) responses at the above referenced release site in Alexandria, Minnesota under the Minnesota Pollution Control Agency (MPCA) Fund-Financed program. The scope of work presented in this proposal is based on the MPCA's Work Plan Request email from you dated September 17, 2009.

Details of the proposed FY10 scope of work are summarized by task below.

Task 1 – Additional Investigation

Additional site investigation including vapor intrusion assessment (VIA) activities and additional temporary well soil borings was requested by the MPCA in the September 17, 2009 Work Plan Request email. The proposed scope of work for these investigation activities are described in detail below.

Vapor Intrusion Assessment

The results of a receptor specific soil vapor analytical sample (VP-1) collected by STS Consultants, Ltd. in February, 2007 indicate that benzene concentrations exceed the established Acute Intrusion Screening Value (ISV) for this compound near the existing site building. Additional vapor intrusion assessment is required to determine if there is a completed vapor intrusion pathway resulting in a vapor intrusion risk to the site building.

During the initial site visit, AECOM proposes to install a permanent vapor monitoring point at the location of the previously completed vapor probe VP-1 adjacent to the southeast corner of the site building. The permanent vapor monitoring point will be set at a depth of 3 to 5 feet below grade as the site building is of slab-on-grade construction. A soil vapor sample will be collected from the permanent vapor point for analysis of volatile organic compounds (VOCs) by method TO15 after the required 12 hour post-installation rest period. AECOM will also conduct an indoor building survey to identify likely vapor entry points and conduct vapor monitoring at appropriate locations within the building.

AECOM will contact the MPCA Project Leader to discuss the results of the soil vapor sample collected from the permanent vapor monitoring point along with the indoor building survey and indoor vapor monitoring prior to conducting any additional VIA activities. If the results of the soil vapor sample indicate that there are no exceedances above the acute ISVs and the indoor building survey and vapor monitoring do not indicate a vapor intrusion risk, AECOM will likely recommend no additional VIA activities. If the soil vapor sample analytical results indicate that vapor concentrations above the acute ISVs are present, and/or the indoor building survey and vapor monitoring indicate the potential for vapor intrusion, AECOM will likely recommend additional VIA activities. Additional VIA activities could include

installation and sampling of a permanent sub-slab vapor point for VOCs followed by collection of a 24 hour indoor air sample for VOCs if warranted, based on the results of the sub-slab sampling, indoor building survey and indoor vapor monitoring.

This proposal includes costs for all of the above listed VIA activities, however; AECOM will not conduct sub-slab vapor point installation/sampling or indoor air sampling without direct discussion and approval from the MPCA Project Leader.

Soil Borings

AECOM proposes to conduct up to four additional soil borings with temporary monitoring wells to further define the extent of petroleum impacts at the site. One soil boring will be advanced through the former underground storage tank (UST) basin located directly east of the site building. One soil boring will be advanced approximately 80 feet east of previously completed soil boring B-5 and one soil boring will be advanced approximately 80 feet west of soil boring B-5. The fourth soil boring will be completed as necessary to further define impacts if impacts are identified in one of the soil borings completed east or west of boring B-5. If additional soil borings beyond the four borings proposed herein are required to define the extent of impacts, a Work Order Amendment will be required.

Three of the soil borings will be completed to a minimum depth of 30 feet if no evidence of impacts is observed based on field observations including photoionization detector (PID) readings and visual/olfactory evidence of impacts. If field observations indicate the presence of petroleum impacts in a soil boring, that soil boring will be advanced to 10 feet below the deepest observed petroleum impacts. The soil boring conducted 80 feet west of B-5 shall be advanced to a depth of 50 feet as the site deep stratigraphic boring, based on an elevated PID headspace reading observed in previously completed soil boring B-3.

AECOM will provide an environmental technician during the investigation work, to screen soil samples utilizing a PID in the field and document soil conditions in the temporary wells/soil borings. Selected samples of soil (we estimate eight of these) from the temporary wells/soil borings will be collected and submitted for analysis of benzene, toluene, ethylbenzene, xylenes (BTEX), methyl tert-butyl ether (MTBE), gasoline range organics (GRO) and diesel range organics (DRO). We will submit a methanol trip blank for analysis of BTEX/GRO for quality control/quality assurance (QA/QC).

Groundwater samples will be collected from each of the temporary wells/soil borings (four total) and submitted for analysis of volatile organic compounds (VOCs), GRO and DRO. We will also submit blind duplicate and field blank samples for analysis of VOCs, GRO and DRO and a trip blank for VOCs and GRO for QA/QC.

Task 2 – Documentation

AECOM will provide the MPCA with the analytical data for the initial soil gas sample from the permanent vapor monitoring point along with the results of the indoor building survey and indoor vapor monitoring upon completion of the initial site investigation event. AECOM will then contact the MPCA Project Leader to discuss the necessity for any additional VIA activities based on the results of the initial site investigation event.

AECOM will prepare a Monitoring Report (MPCA Guidance Document 4-08) documenting the results of the additional investigation activities including vapor intrusion assessment and additional investigation soil borings and recommendations based on the most current MPCA Guidance Documents. The Monitoring Report will include cumulative tables updated with the results of the FY10 project work.

Other documentation effort included in the FY10 responses includes periodic progress updates to the MPCA and status reports with each approximately monthly invoice submitted for payment. We have assumed a normal level of correspondence related to such potential occurrences, and "typical" project documentation and correspondence needs.

AECOM Project Team

The attached AECOM project team worksheet identifies the key individuals that will provide service to MPCA for this scope of work. Additional staff will assist these key team members. The available staff and their respective classification of service are identified in the listing of MPCA-approved AECOM staff that is maintained by your agency.

Anticipated Schedule

AECOM is prepared to commence work immediately upon issuance of a signed FY10 Work Order from the MPCA. Assuming a Work Order can be issued in October, 2009, AECOM anticipates that the initial investigation event would be conducted by the end of November, 2009. Subsequent investigation events are predicated on the results of the initial investigation event and a discussion of these results with the MPCA Project Leader.

AECOM anticipates that the Monitoring Report can be completed within approximately 30 days of completion of the final field investigation activities. The Work Order end date should coincide with the end of the current fiscal year (June 30, 2010) in the event that additional site work is required in FY10. In the event conditions emerge with the potential to impact this schedule, you will be notified so that the appropriate responses can be taken to move the project forward.

Cost Estimate

The attached work plan cost proposal worksheet provides a calculation of the costs associated with completion of the proposed work scope. This includes an estimation of the costs associated with State Contract laboratory and drilling services.

The cost estimate assumes the normal level of effort required with investigation work completion and related efforts. In the event that unanticipated conditions emerge with a potential to impact the scope and/or cost, you will be notified so that consideration can be made to address these conditions with a change order or work order amendment.

Closing

AECOM appreciates your consideration of our firm to complete the above scope of work in FY10 for Leak 15656. If you have questions concerning the project, or wish to discuss the work scope described herein, please call Tim Grape at 763-852-4218. We would enjoy hearing from you.

Respectfully,



Timothy J. Grape, PG
Project Manager

TJG/dn
Encs.



Robert L. DeGroot, PG PE
Principal Engineer

Site Name: Alex Exhaust
 Site Location: 905 3rd Avenue E
 Leak Number: 15,656

TASK	Rate/Unit	Frequency or Units	Hours						Materials Subs / Rental Equipment (\$)	Time Total (hours)	Total Value (\$)	Comments	
			Project Manager	Engineer II	Scientist II	Field Technician (II)	Drafting Technician	Subcontractors					State Contractors
Task 1 - Additional Investigation													
AECOM Labor - Initial Investigation Event													
			8.00		2.00	32.00					42.00	\$ 3,094.00	Includes up to 4 soil borings, 1 permanent vapor point, indoor building survey and indoor vapor monitoring
	\$ 0.55	260										\$ 143.00	One Round Trip (260 miles per R.T.)
	\$ 162.00	1.00										\$ 162.00	One overnight + 2 days meals
	\$ 775.00	1.00										\$ 775.00	AECOM Equipment
AECOM Labor - Follow up VIA (Sub-Slab)													
	\$ 0.55	260	4.00		8.00						12.00	\$ 956.00	Sub-Slab installation and sampling if required
	\$ 24.00	1.00										\$ 143.00	One Round Trip (260 miles per R.T.)
	\$ 495.00	1.00										\$ 24.00	One day per diem, meals
												\$ 495.00	AECOM Equipment
AECOM Labor - Follow up VIA (Indoor Air Sampling)													
	\$ 0.55	520	2.00		12.00						14.00	\$ 974.00	Indoor air sampling (24 hr) if required
	\$ 24.00	1.00										\$ 286.00	Two Round Trips (260 miles per R.T.)
	\$ 225.00	1.00										\$ 24.00	One day per diem, meals
												\$ 225.00	AECOM Equipment
Total Task 1			\$ 1,610.00	\$ -	\$ 190.00	\$ 3,224.00	\$ -	\$ -	\$ -	\$ -	54.00	\$ 7,301.00	
Task 2 - Documentation													
AECOM Labor													
			14.00	2.00	20.00	10.00		6.00			52.00	\$ 4,760.00	Preparation of Monitoring Report, Progress Reports, Consultation with PL on Vapor Results
Total Task 2			\$ 1,610.00	\$ 210.00	\$ 1,900.00	\$ 620.00	\$ 420.00	\$ -	\$ -	\$ -	52.00	\$ 4,760.00	
Task S - State Contractors													
S-1	\$ 2,643.00	1.00										\$ 2,643.00	Estimate for State Contract Laboratory Analytical
S-2	\$ 5,300.00	1.00										\$ 5,300.00	Estimate for State Contract Drilling
Total Task S											0.00	\$ 7,943.00	
Total Cost Proposal			\$ 3,220.00	\$ 210.00	\$ 2,090.00	\$ 3,844.00	\$ 420.00	\$ -	\$ -	\$ -	106.00	\$ 20,004.00	

AECOM Equipment Cost Breakdown

Scope: Additional Investigation For Leak 15655 Alex Exhaust, Including 4 Soil Boring/Temp. Wells and Permanent Vapor Point Installation/Sampling

Equipment	Unit	Daily Rate	Proposed	Subtotal
Photoionization Detector	DAY	\$ 75.00	3	\$ 225.00
Peristaltic Pump	DAY	\$ 25.00	2	\$ 50.00
Electric Water Level Indicator	DAY	\$ 25.00	2	\$ 50.00
Hydrocarbon / Water Interface Probe	DAY	\$ 50.00		\$ -
Temperature, pH, Conductivity, ORP Meter	DAY	\$ 25.00	2	\$ 50.00
Flow Cell with DO, Temp, pH, Conductivity, ORP Meter	DAY	\$ 75.00		\$ -
Flame Ionization Detector	DAY	\$ 100.00		\$ -
Explosimeter	DAY	\$ 50.00		\$ -
Quad-Gas Meter	DAY	\$ 150.00	2	\$ 300.00
Data Logger with one transducer	DAY	\$ 150.00		\$ -
Transducers	DAY	\$ 50.00		\$ -
Hach Reader	DAY	\$ 25.00		\$ -
2 inch submersible pump	DAY	\$ 25.00		\$ -
Bladder pump	DAY	\$ 150.00		\$ -
2 inch Grundfos pump	DAY	\$ 200.00		\$ -
3 inch submersible pump	DAY	\$ 100.00		\$ -
4 inch submersible pump	DAY	\$ 60.00		\$ -
Generator	DAY	\$ 100.00		\$ -
Rotron Blower	DAY	\$ 200.00		\$ -
Pressure gauges set (2) - air	DAY	\$ 20.00		\$ -
Subsurface Interface Radar (SIR)	DAY	\$ 600.00		\$ -
Electro Magnetic EM-31 and data logger	DAY	\$ 300.00		\$ -
Resistivity Equipment	DAY	\$ 175.00		\$ -
Seismograph				\$ -
6-channel	DAY	\$ 400.00		\$ -
12-channel	DAY	\$ 550.00		\$ -
Personnel Safety Protection				\$ -
Level D		n/c		\$ -
Level C	DAY	\$ 150.00		\$ -
Level B	DAY	\$ 550.00		\$ -
Concrete Core Machine	DAY	\$ 50.00		\$ -
Diamond Bit Wear	inch/inch	\$ 1.50		\$ -
Jerome Mercury Analyzer	DAY	\$ 150.00		\$ -
Nuclear Density Gauge	DAY	\$ 100.00		\$ -
Personal Sampling Pumps	DAY	\$ 20.00		\$ -
Manual direct-push probe equip.	DAY	\$ 150.00		\$ -
High Volume Asbestos Sampling Pump	DAY	\$ 25.00		\$ -
Auto Level w/ calibrated rod	DAY	\$ 60.00		\$ -
Sub-meter GPS	DAY	\$ 100.00		\$ -
Total Survey Station	DAY	\$ 175.00		\$ -
Groundwater Sample/Development (non-metal) - pumps not included	WELL	\$ 20.00	4	\$ 80.00
Groundwater Sample/Development (metal) - pumps not included	WELL	\$ 35.00		\$ -
Sieve & Hydrometer (ASTM D422)	EA	\$ 150.00		\$ -
Hydrometer only	EA	\$ 60.00		\$ -
Percent Finer than #200 Sieve (ASTM D1140 or C117)	EA	\$ 50.00		\$ -
Vapor Probe Sampling (Permanent VP)	Probe	\$ 20.00	1	\$ 20.00
Supplies <i>Proposer to expand on supply list as applicable. See Section 32 of the Contract for items not allowed.</i>				
Padlocks	EA	\$ 9.00		\$ -
TOTAL COST:			\$	775.00

AECOM Equipment Cost Breakdown

Scope: Additional Investigation For Leak 15655 Alex Exhaust, Sub-Slab Installation and Sampling

Equipment	Unit	Daily Rate	Proposed	Subtotal
Photoionization Detector	DAY	\$ 75.00	1	\$ 75.00
Peristaltic Pump	DAY	\$ 25.00		\$ -
Electric Water Level Indicator	DAY	\$ 25.00		\$ -
Hydrocarbon / Water Interface Probe	DAY	\$ 50.00		\$ -
Temperature, pH, Conductivity, ORP Meter	DAY	\$ 25.00		\$ -
Flow Cell with DO, Temp, pH, Conductivity, ORP Meter	DAY	\$ 75.00		\$ -
Flame Ionization Detector	DAY	\$ 100.00		\$ -
Explosimeter	DAY	\$ 50.00		\$ -
Quad-Gas Meter	DAY	\$ 150.00	1	\$ 150.00
Data Logger with one transducer	DAY	\$ 150.00		\$ -
Transducers	DAY	\$ 50.00		\$ -
Hach Reader	DAY	\$ 25.00		\$ -
2 inch submersible pump	DAY	\$ 25.00		\$ -
Bladder pump	DAY	\$ 150.00		\$ -
2 inch Grundfos pump	DAY	\$ 200.00		\$ -
3 inch submersible pump	DAY	\$ 100.00		\$ -
4 inch submersible pump	DAY	\$ 60.00		\$ -
Generator	DAY	\$ 100.00	1	\$ 100.00
Rotron Blower	DAY	\$ 200.00		\$ -
Pressure gauges set (2) - air	DAY	\$ 20.00		\$ -
Subsurface Interface Radar (SIR)	DAY	\$ 600.00		\$ -
Electro Magnetic EM-31 and data logger	DAY	\$ 300.00		\$ -
Resistivity Equipment	DAY	\$ 175.00		\$ -
Seismograph				\$ -
6-channel	DAY	\$ 400.00		\$ -
12-channel	DAY	\$ 550.00		\$ -
Personnel Safety Protection				\$ -
Level D		n/c		\$ -
Level C	DAY	\$ 150.00		\$ -
Level B	DAY	\$ 550.00		\$ -
Concrete Core Machine	DAY	\$ 50.00		\$ -
Diamond Bit Wear	inch/inch	\$ 1.50		\$ -
Jerome Mercury Analyzer	DAY	\$ 150.00		\$ -
Nuclear Density Gauge	DAY	\$ 100.00		\$ -
Personal Sampling Pumps	DAY	\$ 20.00		\$ -
Manual direct-push probe equip. (Sub-Slab installation)	DAY	\$ 150.00	1	\$ 150.00
High Volume Asbestos Sampling Pump	DAY	\$ 25.00		\$ -
Auto Level w/ calibrated rod	DAY	\$ 60.00		\$ -
Sub-meter GPS	DAY	\$ 100.00		\$ -
Total Survey Station	DAY	\$ 175.00		\$ -
Groundwater Sample/Development (non-metal) - pumps not included	WELL	\$ 20.00		\$ -
Groundwater Sample/Development (metal) - pumps not included	WELL	\$ 35.00		\$ -
Sieve & Hydrometer (ASTM D422)	EA	\$ 150.00		\$ -
Hydrometer only	EA	\$ 60.00		\$ -
Percent Finer than #200 Sieve (ASTM D1140 or C117)	EA	\$ 50.00		\$ -
Vapor Probe Sampling (Sub-Slab)	Probe	\$ 20.00	1	\$ 20.00
Supplies	<i>Proposer to expand on supply list as applicable. See Section 32 of the Contract for items not allowed.</i>			
	Unit	Unit Rate	Proposed	Subtotal
Padlocks	EA	\$ 9.00		\$ -
TOTAL COST:			\$	495.00

AECOM Equipment Cost Breakdown

Scope: Additional Investigation For Leak 15655 Alex Exhaust - Indoor Air Sampling

Equipment	Unit	Daily Rate	Proposed	Subtotal
Photoionization Detector	DAY	\$ 75.00	1	\$ 75.00
Peristaltic Pump	DAY	\$ 25.00		\$ -
Electric Water Level Indicator	DAY	\$ 25.00		\$ -
Hydrocarbon / Water Interface Probe	DAY	\$ 50.00		\$ -
Temperature, pH, Conductivity, ORP Meter	DAY	\$ 25.00		\$ -
Flow Cell with DO, Temp, pH, Conductivity, ORP Meter	DAY	\$ 75.00		\$ -
Flame Ionization Detector	DAY	\$ 100.00		\$ -
Explosimeter	DAY	\$ 50.00		\$ -
Quad-Gas Meter	DAY	\$ 150.00	1	\$ 150.00
Data Logger with one transducer	DAY	\$ 150.00		\$ -
Transducers	DAY	\$ 50.00		\$ -
Hach Reader	DAY	\$ 25.00		\$ -
2 inch submersible pump	DAY	\$ 25.00		\$ -
Bladder pump	DAY	\$ 150.00		\$ -
2 inch Grundfos pump	DAY	\$ 200.00		\$ -
3 inch submersible pump	DAY	\$ 100.00		\$ -
4 inch submersible pump	DAY	\$ 60.00		\$ -
Generator	DAY	\$ 100.00		\$ -
Rotron Blower	DAY	\$ 200.00		\$ -
Pressure gauges set (2) - air	DAY	\$ 20.00		\$ -
Subsurface Interface Radar (SIR)	DAY	\$ 600.00		\$ -
Electro Magnetic EM-31 and data logger	DAY	\$ 300.00		\$ -
Resistivity Equipment	DAY	\$ 175.00		\$ -
Seismograph				\$ -
6-channel	DAY	\$ 400.00		\$ -
12-channel	DAY	\$ 550.00		\$ -
Personnel Safety Protection				\$ -
Level D		n/c		\$ -
Level C	DAY	\$ 150.00		\$ -
Level B	DAY	\$ 550.00		\$ -
Concrete Core Machine	DAY	\$ 50.00		\$ -
Diamond Bit Wear	inch/inch	\$ 1.50		\$ -
Jerome Mercury Analyzer	DAY	\$ 150.00		\$ -
Nuclear Density Gauge	DAY	\$ 100.00		\$ -
Personal Sampling Pumps	DAY	\$ 20.00		\$ -
Manual direct-push probe equip. (Sub-Slab installation)	DAY	\$ 150.00		\$ -
High Volume Asbestos Sampling Pump	DAY	\$ 25.00		\$ -
Auto Level w/ calibrated rod	DAY	\$ 60.00		\$ -
Sub-meter GPS	DAY	\$ 100.00		\$ -
Total Survey Station	DAY	\$ 175.00		\$ -
Groundwater Sample/Development (non-metal) - pumps not included	WELL	\$ 20.00		\$ -
Groundwater Sample/Development (metal) - pumps not included	WELL	\$ 35.00		\$ -
Sieve & Hydrometer (ASTM D422)	EA	\$ 150.00		\$ -
Hydrometer only	EA	\$ 60.00		\$ -
Percent Finer than #200 Sieve (ASTM D1140 or C117)	EA	\$ 50.00		\$ -
Vapor Probe Sampling	Probe	\$ 20.00		\$ -
Supplies	<i>Proposer to expand on supply list as applicable. See Section 32 of the Contract for items not allowed.</i>			
Padlocks	EA	\$ 9.00		\$ -
TOTAL COST:			\$	225.00

Laboratory Work Plan Cost Estimate For: Alex Exhaust, Leak # 15656
AIR SAMPLES for Task 1

1 permanent vapor point sample, 1 sub-slab sample, 1 indoor air and 1 ambient air

ANALYTE METHOD	NUMBER of SAMPLES	PACE Analytical
BTEX TO-3		\$70.00
VOC (39) TO-14		\$180.00
VOC TO-15	4	\$225.00
VOC TO-15s		\$235.00
Summa canister rental (week)	4	\$36.00
Flow regulator (or gauge)	4	\$27.00
Total Analytical Costs		\$1,152.00

Laboratory Work Plan Cost Estimate For: Alex Exhaust, Leak # 15656
SOIL SAMPLES FOR TASK - 1

Includes up to 2 samples per soil boring (4 borings) and an MeOH blank

ANALYTE	NUMBER of SAMPLES	PACE LABORATORY PRICING	ANALYTICAL COST
BTEX		\$32.00	
DRO	8	\$33.00	\$264.00
GRO		\$27.00	
VOC		\$75.00	
BTEX, GRO		\$32.00	
BTEX, MTBE, GRO	9	\$35.00	\$315.00
Lead		\$18.00	
RCRA's		\$85.00	
Total Analytical Costs			\$ 579.00

Laboratory Work Plan Cost Estimate For: Alex Exhaust, Leak # 15656
WATER SAMPLES FOR TASK - 1

One GW sample per boring (4 borings), 1 blind duplicate, 1 Field Blank, and 1 Trip Blank for
VOC, GRO only

ANALYTE	NUMBER of SAMPLES	PACE LABORATORY PRICING	ANALYTICAL COST
BTEX		\$32.00	
DRO	6	\$33.00	\$198.00
GRO	7	\$27.00	\$189.00
VOC	7	\$75.00	\$525.00
BTEX, GRO		\$32.00	
BTEX, MTBE, GRO		\$35.00	
Lead		\$18.00	
RCRA's		\$85.00	
Total Analytical Costs			\$ 912.00

AECOM PROJECT TEAM FOR ALEX EXHAUST - FY10

TASK	TASK DESCRIPTION	STAFF CLASSIFICATION					
		PROJ. MANAGER	ENGINEER II	SCIENTIST II	TECHNICIAN II	On-Site Inspector	CADD Specialist
1	Additional Investigation	Tim Grape					
2	Documentation	Tim Grape	Bob DeGroot				

NOTES: n/a indicates this staff classification is not anticipated to apply to the specified task. Additional team support may be provided by staff on the MPCA-approved listing of AECOM employees. These staff may provide service in the pre-approved staff classification(s) for them, based on the work type.



14 Green River Road
Morris, MN 56267-0594
Ph 800-422-8356 • Fax# 320-589-2814

Contract Price Quote - MN State Drilling Contract (#43685)

For: AECOM
Tim Grape
Fax 763-473-0400

RE: Alex Exhaust in Alexandria, MN

<u>Item</u>	<u>Description</u>	<u>Units</u>	<u>Rate</u>	<u>Extension</u>
A.	Mobilization	1	515.00	\$515.00
3a.	HSA soil boring w split spoon sampling	160	15.25	\$2,440.00
ee.	2 inch PVC #10 slotted screen (temp wells)	20	5.90	\$118.00
aa.	2 inch PVC casing - threaded (temp wells)	140	3.90	\$546.00
H.	Grouting of annular space wells (screens)	132	4.50	\$594.00
L.	Placement of gravel pack surrounding screen	28	7.70	\$215.60
nn.	2 inch J plugs	1	30.52	\$30.52
pp.	Lock for locking cap	1	\$21.10	\$21.10
uu.	Report preparation	1	300.00	\$300.00
ttt.	Bentonite	6	16.80	\$100.80
uuu.	Envirogrout	6	15.00	\$90.00
vvv.	Portland cement (for at grade finish)	4	19.50	\$78.00
LMTES	MDH fees	1	50.00	\$50.00
LMTES	Labor, materials, surface repair/at grade finish for permanent vapor point install	1	200.00	<u>\$200.00</u>
				\$5,299.02

Scope of Work:

Mobilization.

Complete three HSA borings to 35' deep, and one to 50' deep for groundwater sampling.

Complete one permanent vapor monitoring point to 5' deep, with protection.

Complete MDH boring/sealing records.

Submitted by: Gaylen Weisenburger - WCEC

Dated: 09/23/09

△This end up△



OBSELCONFIG



117



15656



ALEX EXHAUST



905 3RD AVE E



ALEXANDRIA



DOUGLAS



LS



LEAK SITE



TL



4189.25



37027731



INVOICE PAYMENT ROUTING SLIP



05-05-2010

**REMEDATION
INVOICE PAYMENT ROUTING SLIP**

Staff Person Arlene Furuseth-DL

LOG # MSR 0076

Site Name: <u>Alex Exhaust</u>
MAPS Order: <u>B34876</u>
Allotment: <u>3316210 H111 NOMA</u>
Fund Org. Appr: <u>NOMA/FEDR/STAT</u>
COST CODE (JOB CODE/LEAK #): <u>32L 15656</u>
Invoice #: <u>3702-7731</u>

By your initials, you are verifying that the work was performed within the term of the contract and Work Order that billing has been reviewed against the terms of the contract and a determination of eligible costs has been made and a sufficient encumbrance currently exists for this contract under this allotment number to pay authorized amount noted.

ROUTING	INITIAL	DATE
Reg Rep/ Eng/Hydro/PM		
Project Leader	<u>AF</u>	<u>5/5/10</u>
Contract Manager	<u>CLM</u>	<u>5/17/10</u>
Unit Supervisor	<u>DW</u>	<u>5/14/10</u>
Authorized REP	<u>C</u>	<u>V</u>
Chantle Andersen	<u>CA</u>	<u>5/18/10</u>

PAYMENT

Payment Amount:

\$ 4,189.25

Final Payment/Close MAPS Order

Partial Payment

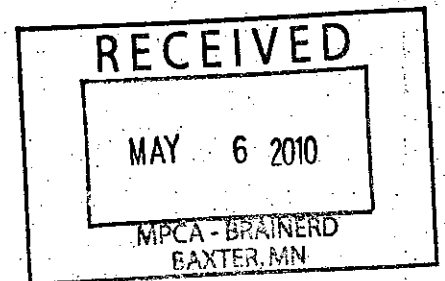
Payment Refusal

by: _____
when: _____
how: _____

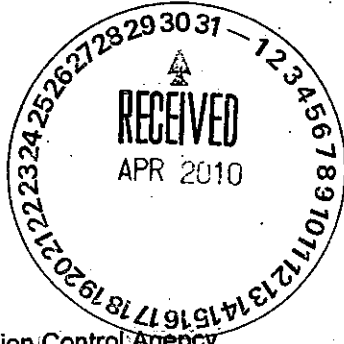
Prevailing Wages Required Yes or No

If Yes, attach Prevailing Wage Payroll Information

COMMENTS:



AECOM



AECOM
161 Chestnut Lane North
Suite 500
Minneapolis, MN 55441
www.aecom.com
763 852 4200 : tel.
763 473 0400 : fax.

DL

April 28, 2010

Fiscal Services
Minnesota Pollution Control Agency
520 Lafayette Road
St. Paul, MN 55155-4194

Re: Final Invoice for Services Under Work Order B34876, AECOM Project 60141264
MPCA Project Reference: Alex Exhaust, Leak #15656

Dear Fiscal Services:

The enclosed final invoice is being submitted by AECOM for work completed under contract B24033 in Fiscal Year 2010. We have updated the MPCA Project Leader with status and provide you with the following project-specific information for your use in processing the invoice for payment:

MPCA Project Leader: Arlene Furuseth

Invoice Number: 37027731

Date of Invoice: April 23, 2010

Invoice Amount: \$4,189.25

Invoice Period: Services provided from February 27, 2010 through April 16, 2010.

Retainage Request: Retainage in the amount of \$569.25 is requested on this final invoice as the project is complete and the final report has been submitted to the MPCA.

Brief description of tasks worked on and progress: For Task 100, AECOM completed Petroleum Release Notification Follow-up letters for properties within 500 feet of the release that were previously contacted as part of the risk receptor surveys. A summary of properties that AECOM submitted follow-up letters to was included in Appendix H of the FY10 Monitoring Report.

For Task 200, AECOM completed preparation of the FY10 Monitoring Report and submitted the Report to the MPCA.

Flags: None Reported

Respectfully,

Timothy J. Grape, PG
Project Manager

TJG/dn
Encs.

PAYMENT APPROVAL

Order #: B 34876

Vendor # (if GFS): _____

Receiver #: _____ Last Invoice for Order

Allotment: 331 G310 H11

Cost Code: -32L 15656

Initials/Date Approved: S-S [Signature] 5/11

Return to Fiscal By: S-10

Check Payment to:
 AECOM Inc.
 An AECOM Company
 1178 Poyssphere Circle
 Chicago, IL 60674

ACH Payment to:
 AECOM Inc.
 An AECOM Company
 Bank of America
 Account Number: 5800937020
 ABA Number: 071000039

Wire Transfer Payment to:
 AECOM Inc.
 An AECOM Company
 Bank of America
 New York, NY 10001
 Account Number 5800937020
 ABA Number 026009593
 SWIFT CODE BOFAUS3N



2 Technology Park Drive, Westford, MA 01886
 Telephone: 978-589-3000 Fax: 978-589-3100

Federal Tax ID No:
 06-0852759

ATTN: MPCA FISCAL SERVICES
 MINNESOTA POLLUTION CONTROL AGENCY
 501 LAFAYETTE ROAD NORTH
 ST. PAUL, MN 55155

Invoice Date: 23-APR-10
 Invoice Number: 37027731

Agreement Number: EM04660085
 Agreement Description: B34876 / B24033

Please reference Invoice Number and Project Number with Remittance

Project Number: 60141264 Project Name: 04660085 FORMER ALEX EXHAUST, ALEXANDRIA, MN
 Bill Through Date: 27-FEB-10 to 16-APR-10

PROJECT MANAGER: TIM GRAPE FINAL INVOICE

Task Number: 100

Task Name: ADDL INVESTIGATION

Employee Name/Title	Labor Bill Rate	Title/Expenditure	Date (Wk End)	Hours	Bill Rate	Billed Amt
Grape, Timothy J		Scientist II	16-APR-10	7.00	95.00	665.00
Total Labor Bill Rate				7.00		665.00

Task Total: ADDL INVESTIGATION

665.00

Task Number: 200

Task Name: DOCUMENTATION

Employee Name/Title	Labor Bill Rate	Title/Expenditure	Date (Wk End)	Hours	Bill Rate	Billed Amt
Campbell, Terrance (Terry)		CAD	09-APR-10	4.00	70.00	280.00
DeGroot, Robert L		Engineer II	16-APR-10	1.50	105.00	157.50
Grape, Timothy J		Scientist II	12-MAR-10	0.50	95.00	47.50
Grape, Timothy J		Scientist II	19-MAR-10	9.00	95.00	855.00
Grape, Timothy J		Scientist II	26-MAR-10	3.00	95.00	285.00
Grape, Timothy J		Scientist II	02-APR-10	14.00	95.00	1,330.00
Total Labor Bill Rate				32.00		2,955.00

Task Total: DOCUMENTATION

2,955.00

Return to Fiscal By: _____
 Initials/Date Approved: _____
 Cost Code: _____
 Agreement # _____

Project Total : 04660085 FORMER ALEX EXHAUST, ALEXANDRIA, MN

3,620.00

Invoice Summaries

Total Current Amount :	3,620.00
Retention Amount :	569.25
Pre-Tax Amount :	4,189.25
Tax Amount :	0.00
Total Invoice Amount :	4,189.25

Billing Summaries

<u>Billing Summary</u>	<u>Current</u>	<u>Prior</u>	<u>Total</u>	<u>Limit</u>	<u>Remain</u>
Billings	3,620.00	13,412.06	17,032.06		
Retention	569.25	-569.25	0.00		
Billing Total:	4,189.25	12,842.81	17,032.06		

AECOM Invoice #37027731

Budget Status Report AECOM, INC.

Site Name: Alex Exhaust
 Site Location: Alexandria, MN
 State Job / Leak No.: 32L15656
 Invoice Period: 02/27/10 through 04/16/10

Work Order: \$20,004.00
 Work Order No.: B34878
 Work Order End Date: 07/31/10

Contract No.: B24033
 Contingency Amount: \$0
 Amendment Amount: \$0

Task #	Task Description	Work Order Approved Amount	Approved Contingency or Amendment	Revised Task Budget	Total Previous Invoices	Current Invoice	%10% Retainage	Amount Due Less Retainage	Total Expended To Date	Total Remaining Budget	% Budget Expended	% Scope Complete
Task 100 - Additional Investigation												
	AECOM Labor - Initial Investigation	3,094.00		3,094.00	3,094.00				3,094.00		100.0%	100%
	Vehicle Messge	143.00		143.00	143.00				143.00		100.0%	100%
	Per Diem	162.00		162.00	162.00				162.00		100.0%	100%
	Equipment	775.00		775.00	775.00				775.00		100.0%	100%
	AECOM Labor - Follow up VIA (Sub Stab)	896.00		896.00	896.00				896.00		100.0%	100%
	Vehicle Messge	143.00		143.00	143.00				143.00		100.0%	100%
	Per Diem	24.00		24.00	24.00				24.00		100.0%	100%
	Equipment	685.00		685.00	685.00				685.00		100.0%	100%
	AECOM Labor - Release Notification Follow-Up	974.00		974.00	974.00				974.00		100.0%	100%
	Vehicle Messge	284.00		284.00	284.00				284.00		100.0%	100%
	Per Diem	24.00		24.00	24.00				24.00		100.0%	100%
	Equipment	225.00		225.00	225.00				225.00		100.0%	100%
	Total Task 100	7,001.00		7,001.00	7,001.00			685.00	5,763.78	1,537.22	78.0%	79%
Task 200 - Documentation												
	AECOM Labor	4,760.00		4,760.00	1,722.50	2,955.00		2,955.00	4,677.50	82.50	98.3%	98%
	Total Task 200	4,760.00		4,760.00	1,722.50	2,955.00		2,955.00	4,677.50	82.50	98.3%	98%
Task 300 - State Contractors												
	301 - Laboratory - Investigation - (Task 100)	2,643.00		2,643.00	1,568.00				1,568.00	1,075.00	59.3%	59%
	302 - Drilling - Investigation - (Task 100)	5,300.00		5,300.00	5,022.78				5,022.78	277.22	94.8%	95%
	Total Task 300	7,943.00		7,943.00	6,590.78				6,590.78	1,352.22	83.0%	83%
	Total Cost	20,004.00		20,004.00	13,412.06	3,620.00		3,620.00	17,032.06	2,871.94	85.1%	85%

Current Invoice + Retainage Request
 \$ 4,189.25

Work Order Retainage Summary:

Task	Invoice # and Date	Retainage held from Invoice	Requested Payment on Invoice	Previously paid
100	37017161-1229/10	\$ 308.40		
	37024389-3/23/10	\$ 87.60	\$ 397.00	
	37027731-4/23/10			
200	37017161-1229/10	\$ 89.50		
	37024389-3/23/10	\$ 62.76	\$ 172.25	
	37027731-4/23/10			
TASK 100 Total		\$ 397.00		
TASK 200 Total		\$ 172.25		
Total		\$ 569.25	\$ 569.25	0.00

(Previously held) (requested on this invoice)

(Highlight retainage being requested with current invoice)

Minnesota Pollution Control Agency

Tales - Individual Work Order Summary

May 05, 2010

Interest Name: Alex Exhaust
 Work Order Number: B34876
 Preferred Id: 15656

MPCA Project Manager: Furuseth, Arlene
 Verbal Date:

Funding Flags

Merita Elig Fed Tank Elig State Elig Other Elig Amend Flag

Amounts	
Work Order Amount:	20,004.00
App. Change Orders:	0.00
Approved Amend Amount:	.00
Contingency Amount:	.00
Contingency Balance:	.00
Retainage Balance:	0.00
Total Invoice Amounts:	17,032.06
Invoices Paid Sum:	17,032.06

Invoices

Invoice Number	Invoice Date	Invoice Amount	Invoice Paid Amount	Invoice Paid Date	FY	Retainage Held	Retainage Paid
37017161	01/29/2010	10,643.01	10,643.01		2010	398.90	0.00
RFB, access, install borings & vapor point, data red, report prep: thru 1/1/10							
37023489	03/23/2010	2,199.80	2,199.80		2010	170.35	0.00
install sub-slab point, building survey, data red, report prep: thru 2/26/10							
37027731	04/23/2010	4,189.25	4,189.25		2010	0.00	569.25
report prep, release nol, retainage: thru 4/16/10							

Amendments + Change Orders

Adjustment Type	Amount	Approved Date	Fiscal Year
Change Order	.00	02/05/2010	2010
To acknowledge extension of lab contract			