

RESOLUTION NO. 2011- 01

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF ROHNERT PARK AUTHORIZING AND APPROVING TASK ORDER NO. 2011-01 WITH WINZLER & KELLY, INC. FOR PROFESSIONAL SERVICES FOR ENVIRONMENTAL CLEANUP OF CORPORATION YARD (600 Enterprise Drive)

WHEREAS, in 1989, the City removed a leaking Underground Storage Tank (UST) containing diesel and gasoline at the Corporation Yard located at 600 Enterprise Drive;

WHEREAS, on January 10, 2003, the City approved a letter proposal with Winzler & Kelly, Inc. to investigate the site;

WHEREAS, on October 28, 2003, the City Council adopted Resolution No. 2003-260 authorizing Amendment #1 to the letter proposal and provided for environmental cleanup and site remediation activities in accordance with County of Sonoma requirements;

WHEREAS, on September 14, 2004, the City Council approved Resolution No. 2004-244 authorizing Winzler & Kelly Task Order No. 2004-16 and provided for the destruction of wells; groundwater monitoring, sampling and reporting; water characterization and disposal; and preparation of State Fund reimbursement package for submittal;

WHEREAS, Resolution No. 2006-87 was adopted by the City Council on March 28, 2006, authorizing Task Order No. 2006-04 with Winzler & Kelly to conduct soils investigations and prepare a Corrective Action Plan and Remedial Action Plan;

WHEREAS, the City Council adopted Resolution No. 2007-185 on November 17, 2007, authorizing Winzler & Kelly Task Order No. 2007-09 for additional professional services, specifically soil investigation and performance of compliance groundwater sampling required by the Sonoma County Department of Health Services and the North Coast Regional Water Quality Board;

WHEREAS, Winzler & Kelly Task Order No. 2009-02 was authorized by the City Manager per RPMC Chapter 3.04, Purchasing Program on September 25, 2009, for continued cleanup and reimbursement work;

WHEREAS, the City now requires additional professional services to achieve site closure and to prepare the State Fund reimbursement package for submittal; and

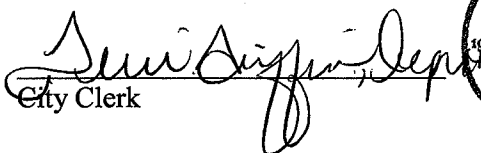
WHEREAS, Winzler & Kelly, Inc. is qualified to perform such work.

NOW, THEREFORE, BE IT RESOLVED by the City Council of the City of Rohnert Park that it does hereby authorize and approve Task Order No. 2011-01 by and between Winzler & Kelly, Inc., a California Corporation, and the City of Rohnert Park, a municipal corporation, for professional services for the environmental cleanup of the Corporation Yard for an amount not to exceed \$192,121.

BE IT FURTHER RESOLVED that the City Manager is hereby authorized and directed to execute this Task Order in substantially similar form to the attached Task Order for and on behalf of the City of Rohnert Park.

DULY AND REGULARLY ADOPTED this 11th day of January, 2011.

ATTEST:


City Clerk



CITY OF ROHNERT PARK


Mayor

JH-S:05-f

AHANOTU: <u>AYE</u>	CALLINAN: <u>AYE</u>	MACKENZIE: <u>AYE</u>	STAFFORD: <u>AYE</u>	BELFORTE: <u>AYE</u>
AYES: (5)	NOES: (0)	ABSENT: (0)	ABSTAIN: (0)	

WINZLER & KELLY TASK ORDER NO. 2011-01

**CITY OF ROHNERT PARK
AND
WINZLER & KELLY, INC.**

**AGREEMENT TO PROVIDE PROFESSIONAL SERVICES FOR
ENVIRONMENTAL CLEANUP OF CORPORATION YARD:
SOIL INVESTIGATION AND PERFORMANCE OF COMPLIANCE GROUNDWATER SAMPLING**

SECTION 1 – PURPOSE

The purpose of this Task Order is to authorize and direct Winzler & Kelly, Inc. to proceed with the work specified in Section 2 below in accordance with the provisions of the MASTER AGREEMENT between the City of Rohnert Park ("City") and Winzler & Kelly, Inc. ("Consultant") hereto dated June 25, 2006.

SECTION 2 – SCOPE OF WORK

The items authorized by this Task Order are presented in Attachment "A"- Scope of Services.

SECTION 3 – COMPENSATION AND PAYMENT

Compensation shall be as provided in the MASTER AGREEMENT between the parties hereto referenced in SECTION 1 above. The total cost for services as set forth in SECTION 2 shall be actual costs (time and materials) based on Consultants' standard labor charges in accordance with the provisions of the MASTER AGREEMENT and as shown in Attachment "B" for an amount not-to-exceed \$192,121.00.

SECTION 4 – TIME OF PERFORMANCE

The work described in SECTION 2 shall be completed by January 2012, or as extended by the City Manager.

SECTION 5 – ITEMS AND CONDITIONS

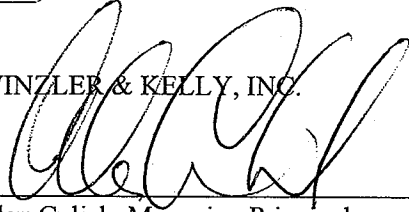
All items and conditions contained in the MASTER AGREEMENT for professional services between City and Consultant are incorporated by reference.

Approved this _____ day of _____, 2011.

CITY OF ROHNERT PARK

WINZLER & KELLY, INC.

Gabriel Gonzalez, City Manager (Date)
Per Resolution No. 2011-____ adopted by the Rohnert Park
City Council at its meeting of January 11, 2011.



Alex Culick, Managing Principal (Date)

ATTACHMENT " A "
TASK ORDER NO. 2011-01
SCOPE OF SERVICES

**ENVIRONMENTAL CLEANUP OF CORPORATION YARD: SOIL INVESTIGATION AND
PERFORMANCE OF COMPLIANCE GROUNDWATER SAMPLING.**

1. General Description and Background

The items authorized by this Task Order are to conduct required routine groundwater monitoring and sampling activities associated with the former underground storage tank (UST) that was located in the City of Rohnert Park's (City's) Corporation Yard located at 600 Enterprise Drive. This work is required by the Sonoma County Department of Health Services, Environmental Health Division (SCDHS-EHD) and the North Coast Regional Water Quality Control Board (NCRWQCB) and an annual budget is required by the State UST Cleanup Fund (USTCF), for which the City is being reimbursed for costs associated with the environmental cleanup.

The work performed for this Task Order will keep the City in compliance with the SCDHS-EHD and the NCRWQCB. An additional subsurface investigation and remedial pilot testing for site cleanup is included. The estimated cost for this work is \$192,121 and is reimbursable from the USTCF except for the claim preparation, which has a limit of \$3,000 per site.

2. Project Tasks

The Scope of Services to stay in compliance and enabling the City to proceed with the environmental cleanup of the Corporation Yard site is presented below.

Task 1 – Quarterly Groundwater Monitoring and Sampling Events

Perform five (5) groundwater monitoring and sampling events (4th quarter 2010 through 4th quarter 2011) for up to nine (9) monitoring wells annually and up to six (6) monitoring wells quarterly. Task includes collecting field measurements for pH, temperature, conductivity, dissolved oxygen, and oxidation reduction potential prior to purging and sampling the wells for the purpose of evaluating aerobic degradation activity. Task also includes sampling and profiling the purge water for disposal from the site.

Task 2 – Prepare Annual Report

Prepare two (2) annual monitoring and sampling reports 2010 and 2011 to summarize groundwater monitoring and sampling. This will include potentiometric maps, iso-concentration maps, groundwater contaminant trend graphs, conclusions, recommendations, and planned site activities.

Task 3 – Prepare Quarterly Monitoring Reports

Prepare three (3) groundwater monitoring and sampling reports for the 1st through 3rd quarters of 2011. Quarterly monitoring reports will summarize the analytical data, include a contour map, a contaminant TPH-G/Benzene/MTBE concentration map, conclusions, and planned site activities.

Task 4 – Drilling Pre-Field, Permitting, USA Marking, and Coordination

Mark site as required by Underground Services Alert (USA) North, make required notifications to USA, SCDHS-EHD, and the City. Prepare drilling permits and pay fees. Coordinate with a drilling company to install one (1) shallow monitoring/remediation well, and up to three (3) direct push soil borings inside the corporation yard shop building. A limited access drilling rig will be used.

Task 5 – Drill and Install One Monitoring/Remediation Well and Three Soil Borings

Install one 4-inch monitoring/remediation well and up to three soil borings. Borings to be continuously cored and lithology logged and field screened for contaminants. Retain up to twelve (12) soil and four (4) groundwater samples to be delivered to the analytical laboratory for testing. Collect insitu groundwater samples from the three borings using a HydroPunch device. Retain surface and smear soil samples for analytical testing. As directed by the SCDHS-EHD, one saturated soil sample in at the depth of 17 feet bgs in one boring will be collected and submitted for analysis. Develop the monitoring/remediation well and contain all waste generated from the drilling activities in DOT approved drums, label and profile for disposal. Complete a well head elevation survey of the top of casing (TOC) of the new well and the locations of the borings.

Task 6 – Additional Subsurface Investigation Report

Prepare a technical report describing the field activities and findings of this investigation. The report will include a summary of findings including analytical data, dissolved concentration and soil concentration maps, potentiometric map, survey data, conclusions, and recommendations. Upload site data to GeoTracker as required.

Task 7 – Prepare and Conduct a HVDPE Pilot Test

Prepare a workplan and submit to the SCDHS-EHD for approval. Conduct a Pilot Test using HVDPE based on the observed petroleum concentrations in MW-5 and north of the former UST pit. The proposed monitoring/remediation well inside the shop building will be included in the Pilot Testing. Winzler & Kelly anticipates conducting a 30-day high-vacuum dual-phase extraction (HVDPE) pilot test event at the site. The Pilot Test will be performed in two 15-day HVDPE events (30 days total). The second event will be scheduled if the initial pilot test data proves to be effective. Concentration trends and mass removal rates will be monitored. The Pilot Test event will be evaluated to estimate long-term results for this option. Other parameters will be assessed such as extraction well flow rate that can be sustained, projected mass removal rates, review dissolved concentration trends, and prepare recommendations. Assume 30 days of extraction and 50,000 gallons of water to contain, treat and discharge to the sanitary sewer system.

Task 8 – HVDPE Pilot Test Report

After the completion of the initial HVDPE Pilot Test event, a Pilot Test report will be prepared based on the two 15-day HVDPE events. The report will summarize the data, compare initial and ending dissolved groundwater concentrations and trends, estimate radius of influence and mass removed, projections to reach cleanup goals, and recommendations for remedial options for site cleanup. Winzler & Kelly will evaluate the effectiveness for possible additional events. If an additional HVDPE event is not conducted, prepare the evaluation report with initial data only.

Task 9 – Quarterly Groundwater (Purge Water) Disposal

Profile and coordinate the disposal of the quarterly purge water generated from the five (5) monitoring and sampling events. One event for 2010 and two events for 2011 are planned to off haul and dispose of the purge water. Winzler & Kelly will meet with the disposal company on site during pickup.

Task 10 – Prepare State UST Cleanup Fund Reimbursement Numbers 10 and 11

Winzler & Kelly will prepare and submit the USTCF reimbursement request numbers 10 and 11 for the corrective actions conducted at the site. Winzler & Kelly will need the assistance of the City in providing the necessary backup and cancelled checks that are required. Additional reimbursements will be prepared (if directed) for similar costs.

3. Schedule

The anticipated schedule is shown in the table below. This schedule is dependent upon receiving timely lead agency approval on environmental submittals:

Task	Start	Complete
Notice to Proceed		January 2010
1 Quarterly Groundwater Sampling	December 2010	December 2011
2 Quarterly Monitoring Reports	January 2011	January 2012
3 Annual Reports (Two Reports)	January 2011	January 2012
4 Drilling Pre-Field and Permitting	February 2011	February 2011
5 Install One Well and Three Borings	February 2011	February 2011
6 Prepare Additional Subsurface Report	February 2011	April 2011
7 Conduct HVDPE Pilot Test	April 2011	May 2011
8 Prepare HVDPE Pilot Test Report	May 2011	June 2011
9 Quarterly Groundwater Disposal	December 2010	December 2011
10 State USTCF Reimbursement	March 2011	January 2012

4. Fee

The work described above will be completed on a time and materials basis for a not-to-exceed budget of \$192,121. Direct costs are to cover project expenses including office consumables and expenses. Using CalClean provides the City with a special contracted benefit that they will defer their payment until the USTCF payment has been received the City. In essence there is no out of pocket money for CalClean's portion of work. The estimated costs associated with performing each task are summarized in Exhibit "B" – Fee Schedule and Estimating Sheets. Any additional services not included in this Scope of Services will be performed only after receiving written authorization from the City and a corresponding budget augmentation.

Attachment "B"



FEE SCHEDULE - CENTRAL CALIFORNIA (Effective February 2009)

Hourly Rates (*)

Principal	\$ 180-250
Senior Project Engineer	130-250
Project Engineer	100-170
Staff Engineer	60-145
Senior Project Scientist	120-190
Project Scientist	95-135
Staff Scientist	70-105
Senior Planner	110-190
Staff Planner	80-120
3-Person Survey Crew	255-390
2-Person Survey Crew	170-270
1-Person Survey Crew	85-175
Construction Manager	120-185
Construction Inspector	85-115
Professional Land Surveyor	145-160
Staff Surveyor/LSIT	95-115
Technician	75-145
Designer	85-150
CADD	80-135
Project Administrator	70-150
Word Processor & Clerical Support	45-100

Employee time will be billed in accordance with the fees listed above. These rates are subject to change on a semi-annual basis. For other than professional employees, time spent over 8 hours per day, time spent on swing shifts, and time spent on Saturdays will be charged at 1.5 times the hourly billing rate. Work on Sundays will be charged at 2.0 times the hourly billing rate and holiday work will be charged at 2.5 times the hourly billing rate. All field personnel charges are portal to portal. Professional employees will not be charged out at premium charge rates for overtime work.

Expenses and other similar project related costs are billed out at cost plus 15%. The cost of using equipment and specialized supplies is billed on the basis of employee hours dedicated to projects. Our rates are:

A. Office consumables	\$6.00/hr
B. Environmental Dept/Construction Inspector consumables	\$11.00/hr
C. Survey Field consumables	\$14.00/hr
D. Various Environmental, Construction and Land Surveying Equipment	At market

Payment for work and expenses is due and payable upon receipt of our invoice. Amounts unpaid thirty (30) days after the issue date of our invoice shall be assessed a service charge of one and one half (1.5) percent per month.

(*) These rates do not apply to forensic-related services, or to work for which Prevailing Wage obligations exist. It is the responsibility of the client to notify Winzler & Kelly in writing if Prevailing Wage obligations are applicable, in which case the fees will be adjusted proportionate to the increase in labor cost.

Attachment B
SUMMARY
COST ESTIMATING SHEET (UST FUND RATES)

PROJECT NAME: City of Rohnert Park Corporation Yard
 Project Phase Description: Quarterly M&S and RAP Implementation 4rd (Qtr 2010-4th Qtr 2011)
 PROJECT NUMBER: 2056-10-00XX PROJECT MANAGER: David J. Vossler

Prepared by: David J. Vossler
 Date: December 10, 2010

Reviewed By:
 Review Date:

TASK / UNIT	W&K LABOR	EXPENSES	TOTAL COST
1) Quarterly Groundwater Monitoring and Sampling Events (4th Qtr 2010-4th Qtr 2011; 5 events)	\$7,450	\$10,183	\$17,633
2) Annual Monitoring and Sampling Report for 2010 and 2011 (2 Reports)	\$6,200	\$100	\$6,300
3) Quarterly Monitoring Reports (1st, 2nd, 3rd Qtrs 2011; 3 Reports)	\$8,160	\$150	\$8,310
4) Purge Water Disposal (3 Events)	\$2,025	\$5,857	\$7,882
5) Prepare State USTCF Reimbursement Nos. 10 and 11	\$2,500	\$0	\$2,500
6) Prepare and Conduct a HVDPE Pilot Test	\$9,520	\$97,090	\$106,610
7) Pilot Test Report	\$4,970	\$4,960	\$9,930
8) Drilling Event Prefield, Permitting, USA Marking, and Coordination	\$1,660	\$762	\$2,422
9) Drill and Install One Monitoring/Remediation Well, and Three Soil Borings	\$3,610	\$21,995	\$25,605
10) Prepare Additional Subsurface Report	\$4,930	\$0	\$4,930
11)	\$0	\$0	\$0
12)	\$0	\$0	\$0
	\$51,025	\$141,096	\$192,121

***Please note that these cost estimates are estimates only, and the actual cost may vary depending on field conditions at the time the work is completed.

FEE ESTIMATING SHEET

PROJECT: City of Rohnert Park Corporation Yard

TASK 1: Quarterly Groundwater Monitoring and Sampling Events (4th Qtr 2010-4th Qtr 2011; 5 events)

Prepare and conduct five (5) quarterly groundwater monitoring and sampling events from the 4th quarter 2010 through the 4th quarter 2011. Nine (9) monitoring wells will be monitored annually and up to six (6) monitoring wells quarterly; purge and sample according to the Winzler & Kelly SOP and on the schedule presented in the 2007 RAP and the March 3, 2009 SCDHS-EHD letter. Monitoring will include, but is not limited to, the collection of field measurements for DO, ORP, pH, temperature, and DTW to evaluate the aerobic degradation activity on site. This task will also include sampling the contained purge water for profiling and off-site disposal.

ITEM	RATE	UNIT	QUANTITY	MARKUP	TOTAL # EVENTS	TOTAL
W&K LABOR						
Principal Geologist	\$145.00	HOUR		NA		\$0.00
Senior / Project Manager	\$120.00	HOUR	2	NA	5	\$1,200.00
Associate / Project Consultant	\$105.00	HOUR	1	NA	5	\$525.00
Sr. Staff Consultant	\$90.00	HOUR	12	NA	5	\$5,400.00
Junior Consultant/Senior Technician	\$80.00	HOUR		NA		\$0.00
Junior Technician	\$75.00	HOUR		NA		\$0.00
Drafting	\$65.00	HOUR		NA		\$0.00
Technical Report Reviewer	\$65.00	HOUR	1	NA	5	\$325.00
Clerical/Word Processing	\$55.00	HOUR		NA		\$0.00
SUBTOTAL EMPLOYEE LABOR			16			\$7,450.00
EXPENSES						
Subcontractors						
Utility Clearance		TASK	1	\$0.00	1	\$0.00
Concrete Corer		TASK	1	\$0.00	1	\$0.00
Traffic Control		TASK	1	\$0.00	1	\$0.00
Laboratory (See Attached Breakdown)	\$7,150.00	TASK	1	\$1,072.50	1	\$8,222.50
Driller		TASK	1	\$0.00	1	\$0.00
Equipment Rental		TASK	1	\$0.00	1	\$0.00
Disposal/Landfill Fees		TASK	1	\$0.00	1	\$0.00
Permits						
Well/Boring Permits \$330 + \$70 ea additional		TASK	1	\$0.00	1	\$0.00
Discharge Permit		TASK	1	\$0.00	1	\$0.00
Encroachment Permit		TASK	1	\$0.00	1	\$0.00
Equipment Costs						
Misc. Small Items	\$25.00	DAY	2	NA	5	\$250.00
Tyvek/Polyethylene Suits	\$7.59	SUIT		NA		\$0.00
Gloves - Nitrile, Lined, Heavyweight	\$2.59	PAIR		NA		\$0.00
Gloves - Nitrile, Disposable, Unlined	\$0.50	PAIR		NA		\$0.00
Organic Vapor Cartridge R51A	\$10.08	PAIR		NA		\$0.00
2" Disposable Bailer with drain tube	\$8.00	EACH	9	NA	5	\$360.00
Purge Pump 2" submersible	\$45.00	DAY	1	NA	5	\$225.00
Pressurized Bailer with Filter	\$25.00	EACH		NA		\$0.00
Encore Sample Set (includes 3-(5) gm. Samplers)	\$30.00	EACH		NA		\$0.00
Soil Tubes (stainless steel)	\$10.00	EACH		NA		\$0.00
Hand Auger with Split Spoon and Hammer	\$30.00	DAY		NA		\$0.00
Drums	\$40.00	EACH	2	NA	5	\$400.00
2" Weighted Surge Block	\$5.00	EACH		NA		\$0.00
Locking Well Caps	\$20.00	EACH	1	NA	5	\$100.00
Padlock	\$10.00	EACH		NA		\$0.00
Water Level/Interface Indicator Probes	\$35.00	DAY	1	NA	5	\$175.00
Photovac TIP Photo - Ion Detector	\$100.00	DAY		NA		\$0.00
Dissolved Oxygen / ORP Multi-Meter	\$40.00	DAY	1	NA	5	\$200.00
Field Nitrate/Phosphate Tests	\$2.00	EACH		NA		\$0.00
Sensidyne Pump and Tubes	\$25.00	DAY		NA		\$0.00
Air Sampling Pump	\$50.00	DAY		NA		\$0.00
pH/Cond/Temp Meter	\$40.00	DAY	1	NA	5	\$200.00
Turbidity Meter	\$20.00	DAY		NA		\$0.00
Pipe Finder (metal detector)	\$20.00	DAY		NA		\$0.00
Surveying Equipment	\$100.00	DAY		NA		\$0.00
Traffic Control Barricades	\$5.00	EACH		NA		\$0.00
Mileage	\$0.50	MILE	20	NA	5	\$50.00
SUBTOTAL EXPENSES						\$10,182.50
TASK #1 GRAND TOTAL =						\$17,632.50

FEE ESTIMATING SHEET

PROJECT: City of Rohnert Park Corporation Yard

TASK 2: Annual Monitoring and Sampling Report for 2010 and 2011 (2 Reports)

Prepare two annual monitoring and sampling reports for the 4th quarter of 2010 and 4th quarter 2011. These reports will summarize the groundwater monitoring for a complete hydrologic cycle (year) and will include the potentiometric map, iso-concentration map, groundwater contaminant trend graphs, conclusions, recommendations, and planned site activities.

ITEM	RATE	UNIT	QUANTITY	MARKUP	TOTAL # EVENTS	TOTAL
W&K LABOR						
Principal Geologist	\$145.00	HOURL	1	NA	2	\$290.00
Senior / Project Manager	\$120.00	HOURL	4	NA	2	\$960.00
Associate / Project Consultant	\$105.00	HOURL		NA	2	\$0.00
Sr. Staff Consultant	\$90.00	HOURL	14	NA	2	\$2,520.00
Junior Consultant/Senior Technician	\$80.00	HOURL		NA	2	\$0.00
Junior Technician	\$75.00	HOURL		NA	2	\$0.00
Drafting	\$65.00	HOURL	6	NA	2	\$780.00
Technical Report Reviewer	\$65.00	HOURL	11	NA	2	\$1,430.00
Clerical/Word Processing	\$55.00	HOURL	2	NA	2	\$220.00
SUBTOTAL EMPLOYEE LABOR			38			\$6,200.00
EXPENSES						
Subcontractors						
Utility Clearance		TASK		\$0.00		\$0.00
Concrete Corer		TASK	1	\$0.00	1	\$0.00
GeoTracker Lab Fee		TASK	1	\$0.00	1	\$0.00
Laboratory (See Attached Breakdown)		TASK	1	\$0.00	1	\$0.00
Driller		TASK	1	\$0.00	1	\$0.00
Equipment Rental		TASK	1	\$0.00	1	\$0.00
Disposal/Water Recycling Fee		TASK	1	\$0.00	1	\$0.00
Permits						
Well/Boring Permits \$330 + \$70 ea additional		TASK	1	\$0.00	1	\$0.00
Discharge Permit		TASK	1	\$0.00	1	\$0.00
Encroachment Permit		TASK	1	\$0.00	1	\$0.00
Equipment Costs						
Misc. Small Items	\$25.00	DAY	2	NA	2	\$100.00
Tyvek/Polyethylene Suits	\$7.59	SUIT		NA	1	\$0.00
Gloves - Nitrile, Lined, Heavyweight	\$2.59	PAIR		NA	1	\$0.00
Gloves - Nitrile, Disposable, Unlined	\$0.50	PAIR		NA	1	\$0.00
Organic Vapor Cartridge R51A	\$10.08	PAIR		NA	1	\$0.00
2" Disposable Bailer with drain tube	\$8.00	EACH		NA	1	\$0.00
Purge Pump 2" submersible	\$45.00	DAY		NA	1	\$0.00
Pressurized Bailer with Filter	\$25.00	EACH		NA	1	\$0.00
Encore Sample Set (includes 3-(5) gm. Samplers)	\$30.00	EACH		NA	1	\$0.00
Soil Tubes (stainless steel)	\$10.00	EACH		NA	1	\$0.00
Hand Auger with Split Spoon and Hammer	\$30.00	DAY		NA	1	\$0.00
Drums	\$40.00	EACH		NA	1	\$0.00
2" Weighted Surge Block	\$5.00	EACH		NA	1	\$0.00
Locking Well Caps	\$20.00	EACH		NA	1	\$0.00
Padlock	\$10.00	EACH		NA	1	\$0.00
Water Level/Interface Indicator Probes	\$35.00	DAY		NA	1	\$0.00
Photovac TIP Photo - Ion Detector	\$100.00	DAY		NA	1	\$0.00
Dissolved Oxygen / ORP Multi-Meter	\$40.00	DAY		NA	1	\$0.00
Field Nitrate/Phosphate Tests	\$2.00	EACH		NA	1	\$0.00
Sensidyne Pump and Tubes	\$25.00	DAY		NA	1	\$0.00
Air Sampling Pump	\$50.00	DAY		NA	1	\$0.00
pH/Cond/Temp Meter	\$40.00	DAY		NA	1	\$0.00
Turbidity Meter	\$20.00	DAY		NA	1	\$0.00
Pipe Finder (metal detector)	\$20.00	DAY		NA	1	\$0.00
Surveying Equipment	\$100.00	DAY		NA	1	\$0.00
Traffic Control Barricades	\$5.00	EACH		NA	1	\$0.00
Mileage	\$0.50	MILE		NA	1	\$0.00
SUBTOTAL EXPENSES						\$100.00
TASK #2 GRAND TOTAL =						\$6,300.00

FEE ESTIMATING SHEET

PROJECT: City of Rohnert Park Corporation Yard

TASK 3: Quarterly Monitoring Reports (1st, 2nd, 3rd Qtrs 2011; 3 Reports)

Prepare three (3) quarterly monitoring and groundwater sampling reports; 1st, 2nd, and 3rd quarters for 2011. Reports will summarize the analytical data, including a contour map, a contaminant distribution map, conclusions, and a planned activities section.

ITEM	RATE	UNIT	QUANTITY	MARKUP	TOTAL # EVENTS	TOTAL
W&K LABOR						
Principal Geologist	\$145.00	HOURL	1	NA	3	\$435.00
Senior / Project Manager	\$120.00	HOURL	3	NA	3	\$1,080.00
Associate / Project Consultant	\$105.00	HOURL		NA	3	\$0.00
Sr. Staff Consultant	\$90.00	HOURL	14	NA	3	\$3,780.00
Junior Consultant/Senior Technician	\$80.00	HOURL		NA	3	\$0.00
Junior Technician	\$75.00	HOURL		NA	3	\$0.00
Drafting	\$65.00	HOURL	4	NA	3	\$780.00
Technical Report Reviewer	\$65.00	HOURL	9	NA	3	\$1,755.00
Clerical/Word Processing	\$55.00	HOURL	2	NA	3	\$330.00
SUBTOTAL EMPLOYEE LABOR			33			\$8,160.00
EXPENSES						
Subcontractors						
Utility Clearance		TASK	1	\$0.00	1	\$0.00
Concrete Corer		TASK	1	\$0.00	1	\$0.00
Traffic Control		TASK	1	\$0.00	1	\$0.00
Laboratory (See Attached Breakdown)		TASK	1	\$0.00	1	\$0.00
Driller		TASK	1	\$0.00	1	\$0.00
Equipment Rental		TASK	1	\$0.00	1	\$0.00
Disposal/Landfill Fees		TASK	1	\$0.00	1	\$0.00
Permits						
Well/Boring Permits \$330 + \$70 ea additional		TASK	1	\$0.00	1	\$0.00
Discharge Permit		TASK	1	\$0.00	1	\$0.00
Encroachment Permit		TASK	1	\$0.00	1	\$0.00
Equipment Costs						
Misc. Small Items	\$25.00	DAY	2	NA	3	\$150.00
Tyvek/Polyethylene Suits	\$7.59	SUIT		NA	1	\$0.00
Gloves - Nitrile, Lined, Heavyweight	\$2.59	PAIR		NA	1	\$0.00
Gloves - Nitrile, Disposable, Unlined	\$0.50	PAIR		NA	1	\$0.00
Organic Vapor Cartridge R51A	\$10.08	PAIR		NA	1	\$0.00
2" Disposable Bailer with drain tube	\$8.00	EACH		NA	1	\$0.00
Purge Pump 2" submersible	\$45.00	DAY		NA	1	\$0.00
Pressurized Bailer with Filter	\$25.00	EACH		NA	1	\$0.00
Encore Sample Set (includes 3-(5) gm. Samplers)	\$30.00	EACH		NA	1	\$0.00
Soil Tubes (stainless steel)	\$10.00	EACH		NA	1	\$0.00
Hand Auger with Split Spoon and Hammer	\$30.00	DAY		NA	1	\$0.00
Drums	\$40.00	EACH		NA	1	\$0.00
2" Weighted Surge Block	\$5.00	EACH		NA	1	\$0.00
Locking Well Caps	\$20.00	EACH		NA	1	\$0.00
Padlock	\$10.00	EACH		NA	1	\$0.00
Water Level/Interface Indicator Probes	\$35.00	DAY		NA	1	\$0.00
Photovac TIP Photo -Ion Detector	\$100.00	DAY		NA	1	\$0.00
Dissolved Oxygen / ORP Multi-Meter	\$40.00	DAY		NA	1	\$0.00
Field Nitrate/Phosphate Tests	\$2.00	EACH		NA	1	\$0.00
Sensidyne Pump and Tubes	\$25.00	DAY		NA	1	\$0.00
Air Sampling Pump	\$50.00	DAY		NA	1	\$0.00
pH/Cond/Temp Meter	\$40.00	DAY		NA	1	\$0.00
Turbidity Meter	\$20.00	DAY		NA	1	\$0.00
Pipe Finder (metal detector)	\$20.00	DAY		NA	1	\$0.00
Surveying Equipment	\$100.00	DAY		NA	1	\$0.00
Traffic Control Barricades	\$5.00	EACH		NA	1	\$0.00
Mileage	\$0.50	MILE		NA	1	\$0.00
SUBTOTAL EXPENSES						\$150.00
TASK #3 GRAND TOTAL =						\$8,310.00

FEE ESTIMATING SHEET

PROJECT: City of Rohnert Park Corporation Yard
TASK 4: Purge Water Disposal (3 Events)

Profile and coordinate the disposal of the purge water generated from the quarterly monitoring and sampling events; meet the disposal company at the site during pickup. Four planned events, one for 2010, two for 2011, and one for 2012.

ITEM	RATE	UNIT	QUANTITY	MARKUP	TOTAL #EVENTS	TOTAL
W&K LABOR						
Principal Geologist	\$145.00	HOURL		NA	1	\$0.00
Senior / Project Manager	\$120.00	HOURL	1	NA	3	\$360.00
Associate / Project Consultant	\$105.00	HOURL	1	NA	3	\$315.00
Sr. Staff Consultant	\$90.00	HOURL	5	NA	3	\$1,350.00
Junior Consultant/Senior Technician	\$80.00	HOURL		NA	1	\$0.00
Junior Technician	\$75.00	HOURL		NA	1	\$0.00
Drafting	\$65.00	HOURL		NA	1	\$0.00
Technical Report Reviewer	\$65.00	HOURL		NA	1	\$0.00
Clerical/Word Processing	\$55.00	HOURL		NA	1	\$0.00
SUBTOTAL EMPLOYEE LABOR			7			\$2,025.00
EXPENSES						
Subcontractors						
Utility Clearance		TASK	1	\$0.00	1	\$0.00
Concrete Corer		TASK	1	\$0.00	1	\$0.00
Traffic Control		TASK	1	\$0.00	1	\$0.00
Laboratory (See Attached Breakdown)	\$339.00	TASK	3	\$152.55	1	\$1,169.55
Driller		TASK	1	\$0.00	1	\$0.00
Disposal/Landfill Fees Quarterly Event	\$225.00	TASK	2	\$67.50	3	\$1,552.50
Disposal/Landfill Fees Annual Event	\$225.00	TASK	6	\$202.50	2	\$3,105.00
Permits						
Well/Boring Permits \$330 + \$70 ea additional		TASK	1	\$0.00	1	\$0.00
Discharge Permit		TASK	1	\$0.00	1	\$0.00
Encroachment Permit		TASK	1	\$0.00	1	\$0.00
Equipment Costs						
Misc. Small Items	\$25.00	DAY		NA	1	\$0.00
Tyvek/Polyethylene Suits	\$7.59	SUIT		NA	1	\$0.00
Gloves - Nitrile, Lined, Heavyweight	\$2.59	PAIR		NA	1	\$0.00
Gloves - Nitrile, Disposable, Unlined	\$0.50	PAIR		NA	1	\$0.00
Organic Vapor Cartridge R51A	\$10.08	PAIR		NA	1	\$0.00
2" Disposable Bailer with drain tube	\$8.00	EACH		NA	1	\$0.00
Purge Pump 2" submersible	\$45.00	DAY		NA	1	\$0.00
Pressurized Bailer with Filter	\$25.00	EACH		NA	1	\$0.00
Encore Sample Set (includes 3-(5) gm. Samplers)	\$30.00	EACH		NA	1	\$0.00
Soil Tubes (stainless steel)	\$10.00	EACH		NA	1	\$0.00
Hand Auger with Split Spoon and Hammer	\$30.00	DAY		NA	1	\$0.00
Drums	\$40.00	EACH		NA	1	\$0.00
2" Weighted Surge Block	\$5.00	EACH		NA	1	\$0.00
Locking Well Caps	\$20.00	EACH		NA	1	\$0.00
Padlock	\$10.00	EACH		NA	1	\$0.00
Water Level/Interface Indicator Probes	\$35.00	DAY		NA	1	\$0.00
Photovac TIP Photo-Ion Detector	\$100.00	DAY		NA	1	\$0.00
Dissolved Oxygen / ORP Multi-Meter	\$40.00	DAY		NA	1	\$0.00
Field Nitrate/Phosphate Tests	\$2.00	EACH		NA	1	\$0.00
Sensidyne Pump and Tubes	\$25.00	DAY		NA	1	\$0.00
Air Sampling Pump	\$50.00	DAY		NA	1	\$0.00
pH/Cond/Temp Meter	\$40.00	DAY		NA	1	\$0.00
Turbidity Meter	\$20.00	DAY		NA	1	\$0.00
Pipe Finder (metal detector)	\$20.00	DAY		NA	1	\$0.00
Surveying Equipment	\$100.00	DAY		NA	1	\$0.00
Traffic Control Barricades	\$5.00	EACH		NA	1	\$0.00
Mileage	\$0.50	MILE	20	NA	3	\$30.00
SUBTOTAL EXPENSES						\$5,857.05
TASK #4 GRAND TOTAL =						\$7,882.05

FEE ESTIMATING SHEET

PROJECT: City of Rohnert Park Corporation Yard

TASK 5: Prepare State USTCF Reimbursement Nos. 10 and 11

Prepare and submit two reimbursements to the USTCF. Winkler & Kelly will need the assistance of the City of Rohnert Park in providing the necessary backup and cancelled checks that are required. Additional reimbursements and follow-up to the USTCF will be prepared (if directed) for similar costs described below. The State has been short of funds, but it is still prudent to complete these claims for future reimbursements. The claims will be prepared immediately after the Feasibility Study is completed.

ITEM	RATE	UNIT	QUANTITY	MARKUP	TOTAL # EVENTS	TOTAL
W&K LABOR						
Principal Geologist	\$145.00	HOURL		NA		\$0.00
Senior / Project Manager	\$120.00	HOURL	4	NA	2	\$960.00
Associate / Project Consultant	\$105.00	HOURL		NA		\$0.00
Sr. Staff Consultant	\$90.00	HOURL		NA		\$0.00
Junior Consultant/Senior Technician	\$80.00	HOURL		NA		\$0.00
Junior Technician	\$75.00	HOURL		NA		\$0.00
Drafting	\$65.00	HOURL		NA		\$0.00
Technical Report Reviewer	\$65.00	HOURL	11	NA	2	\$1,430.00
Clerical/Word Processing	\$55.00	HOURL	1	NA	2	\$110.00
SUBTOTAL EMPLOYEE LABOR			16			\$2,500.00
EXPENSES						
Subcontractors						
Utility Clearance		TASK	1	\$0.00	1	\$0.00
Concrete Corer		TASK	1	\$0.00	1	\$0.00
Traffic Control		TASK	1	\$0.00	1	\$0.00
Laboratory (See Attached Breakdown)		TASK	1	\$0.00	1	\$0.00
Driller		TASK	1	\$0.00	1	\$0.00
Equipment Rental		TASK	1	\$0.00	1	\$0.00
Disposal/Landfill Fees		TASK	1	\$0.00	1	\$0.00
Permits						
Well/Boring Permits \$330 + \$70 ea additional		TASK	1	\$0.00	1	\$0.00
Discharge Permit		TASK	1	\$0.00	1	\$0.00
Encroachment Permit		TASK	1	\$0.00	1	\$0.00
Equipment Costs						
Misc. Small Items	\$25.00	DAY		NA	1	\$0.00
Tyvek/Polyethylene Suits	\$7.59	SUIT		NA	1	\$0.00
Gloves - Nitrile, Lined, Heavyweight	\$2.59	PAIR		NA	1	\$0.00
Gloves - Nitrile, Disposable, Unlined	\$0.50	PAIR		NA	1	\$0.00
Organic Vapor Cartridge R51A	\$10.08	PAIR		NA	1	\$0.00
2" Disposable Bailer with drain tube	\$8.00	EACH		NA	1	\$0.00
Purge Pump 2" submersible	\$45.00	DAY		NA	1	\$0.00
Pressurized Bailer with Filter	\$25.00	EACH		NA	1	\$0.00
Encore Sample Set (includes 3-(5) gm. Samplers)	\$30.00	EACH		NA	1	\$0.00
Soil Tubes (stainless steel)	\$10.00	EACH		NA	1	\$0.00
Hand Auger with Split Spoon and Hammer	\$30.00	DAY		NA	1	\$0.00
Drums	\$40.00	EACH		NA	1	\$0.00
2" Weighted Surge Block	\$5.00	EACH		NA	1	\$0.00
Locking Well Caps	\$20.00	EACH		NA	1	\$0.00
Padlock	\$10.00	EACH		NA	1	\$0.00
Water Level/Interface Indicator Probes	\$35.00	DAY		NA	1	\$0.00
Photovac TIP Photo -Ion Detector	\$100.00	DAY		NA	1	\$0.00
Dissolved Oxygen / ORP Multi-Meter	\$40.00	DAY		NA	1	\$0.00
Field Nitrate/Phosphate Tests	\$2.00	EACH		NA	1	\$0.00
Sensidyne Pump and Tubes	\$25.00	DAY		NA	1	\$0.00
Air Sampling Pump	\$50.00	DAY		NA	1	\$0.00
pH/Cond/Temp Meter	\$40.00	DAY		NA	1	\$0.00
Turbidity Meter	\$20.00	DAY		NA	1	\$0.00
Pipe Finder (metal detector)	\$20.00	DAY		NA	1	\$0.00
Surveying Equipment	\$100.00	DAY		NA	1	\$0.00
Traffic Control Barricades	\$5.00	EACH		NA	1	\$0.00
Mileage	\$0.50	MILE		NA	1	\$0.00
SUBTOTAL EXPENSES						\$0.00
TASK #5 GRAND TOTAL =						\$2,500.00

FEE ESTIMATING SHEET

PROJECT: City of Rohnert Park Corporation Yard
TASK 6: Prepare and Conduct a HVDPE Pilot Test

Prepare a workplan and submit to the SCDHS-EHD for approval. Conduct a Pilot Test using HVDPE based on the observed petroleum concentrations in MW-5 and north of the former UST pit. The proposed monitoring/remediation well in side the shop building will be included in the Pilot Testing. Winzler & Kelly anticipates conducting a 30 day dual-phase extraction (HVDPE) pilot test event at the site. The Pilot Test may be performed in two 15-day HVDPE events (30 days total) if preliminary data indicates. Concentration trends and mass removal rates will be monitored. The Pilot Test event will be evaluated to estimate long-term results for this option. Other parameters will be assessed such as extraction well flow rate that can be sustained, projected mass removal rates, review dissolved concentration trends, and prepare recommendations. Assume 30 days of extraction and 50,000 gallons of water to contain, treat, and discharge.

ITEM	RATE	UNIT	QUANTITY	MARKUP	TOTAL # EVENTS	TOTAL
W&K LABOR						
Principal Geologist	\$145.00	HOURL	2	NA	1	\$290.00
Senior / Project Manager	\$120.00	HOURL	24	NA	1	\$2,880.00
Associate / Project Consultant	\$105.00	HOURL		NA	1	\$0.00
Sr. Staff Consultant	\$90.00	HOURL	16	NA	1	\$1,440.00
Junior Consultant/Senior Technician	\$80.00	HOURL	48	NA	1	\$3,840.00
Junior Technician	\$75.00	HOURL		NA	1	\$0.00
Drafting	\$65.00	HOURL	2	NA	1	\$130.00
Technical Report Reviewer	\$65.00	HOURL	6	NA	1	\$390.00
Clerical/Word Processing	\$55.00	HOURL	10	NA	1	\$550.00
SUBTOTAL EMPLOYEE LABOR			108			\$9,520.00
EXPENSES						
Subcontractors						
Utility Clearance		TASK	1	\$0.00	1	\$0.00
Concrete Corer		TASK	1	\$0.00	1	\$0.00
Traffic Control		TASK	1	\$0.00	1	\$0.00
Laboratory (See Attached Breakdown)	\$3,600.00	TASK	1	\$540.00	1	\$4,140.00
Cal Clean Inc. Mobile HVDPE Contractor (30-days)	\$48,000.00	TASK	1	\$7,200.00	1	\$55,200.00
Water Treatment and Discharge	\$15,500.00	TASK	1	\$2,325.00	2	\$35,650.00
Disposal/Landfill Fees		TASK	1	\$0.00	1	\$0.00
Permits						
Well/Boring Permits \$330 + \$70 ea additional		TASK	1	\$0.00	1	\$0.00
Discharge Permit	\$1,000.00	TASK	1	\$150.00	1	\$1,150.00
Encroachment Permit		TASK	1	\$0.00	1	\$0.00
Equipment Costs						
Misc. Small Items	\$25.00	DAY	15	NA	2	\$750.00
Tyvek/Polyethylene Suits	\$7.59	SUIT		NA	1	\$0.00
Gloves - Nitrile, Lined, Heavyweight	\$2.59	PAIR		NA	1	\$0.00
Gloves - Nitrile, Disposable, Unlined	\$0.50	PAIR		NA	1	\$0.00
Organic Vapor Cartridge R51A	\$10.08	PAIR		NA	1	\$0.00
2" Disposable Bailer with drain tube	\$8.00	EACH		NA	1	\$0.00
Purge Pump 2" submersible	\$45.00	DAY		NA	1	\$0.00
Pressurized Bailer with Filter	\$25.00	EACH		NA	1	\$0.00
Encore Sample Set (includes 3-(5) gm. Samplers)	\$30.00	EACH		NA	1	\$0.00
Soil Tubes (stainless steel)	\$10.00	EACH		NA	1	\$0.00
Hand Auger with Split Spoon and Hammer	\$30.00	DAY		NA	1	\$0.00
Drums	\$40.00	EACH		NA	1	\$0.00
2" Weighted Surge Block	\$5.00	EACH		NA	1	\$0.00
Locking Well Caps	\$20.00	EACH		NA	1	\$0.00
Padlock	\$10.00	EACH		NA	1	\$0.00
Water Level/Interface Indicator Probes	\$35.00	DAY		NA	1	\$0.00
Photovac TIP Photo-Ion Detector	\$100.00	DAY		NA	1	\$0.00
Dissolved Oxygen / ORP Multi-Meter	\$40.00	DAY		NA	1	\$0.00
Field Nitrate/Phosphate Tests	\$2.00	EACH		NA	1	\$0.00
Sensidyne Pump and Tubes	\$25.00	DAY		NA	1	\$0.00
Air Sampling Pump	\$50.00	DAY		NA	1	\$0.00
pH/Cond/Temp Meter	\$40.00	DAY		NA	1	\$0.00
Turbidity Meter	\$20.00	DAY		NA	1	\$0.00
Pipe Finder (metal detector)	\$20.00	DAY		NA	1	\$0.00
Surveying Equipment	\$100.00	DAY		NA	1	\$0.00
Traffic Control Barricades	\$5.00	EACH		NA	1	\$0.00
Mileage	\$0.50	MILE	20	NA	20	\$200.00
SUBTOTAL EXPENSES						\$97,090.00
TASK #6 GRAND TOTAL =						\$106,610.00

FEE ESTIMATING SHEET

PROJECT: City of Rohnert Park Corporation Yard
TASK 7: Pilot Test Report

Prepare a Pilot Test report based on the 30 day HVDPE event. After the completion of the Pilot Test HVDPE event, summarize the data, compare initial and ending dissolved groundwater concentrations, estimate radius of influence, and mass removed. Evaluate option for additional events. Evaluate and recommend HVDPE as a remedial option and projections to reach cleanup goals.

ITEM	RATE	UNIT	QUANTITY	MARKUP	TOTAL # EVENTS	TOTAL
W&K LABOR						
Principal Geologist	\$145.00	HOURL	2	NA	1	\$290.00
Senior / Project Manager	\$120.00	HOURL	8	NA	1	\$960.00
Associate / Project Consultant	\$105.00	HOURL	2	NA	1	\$210.00
Sr. Staff Consultant	\$90.00	HOURL	8	NA	1	\$720.00
Junior Consultant/Senior Technician	\$80.00	HOURL	24	NA	1	\$1,920.00
Junior Technician	\$75.00	HOURL		NA	1	\$0.00
Drafting	\$65.00	HOURL	4	NA	1	\$260.00
Technical Report Reviewer	\$65.00	HOURL	6	NA	1	\$390.00
Clerical/Word Processing	\$55.00	HOURL	4	NA	1	\$220.00
SUBTOTAL EMPLOYEE LABOR			58			\$4,970.00
EXPENSES						
Subcontractors						
Utility Clearance		TASK	1	\$0.00	1	\$0.00
Concrete Corer		TASK	1	\$0.00	1	\$0.00
Traffic Control		TASK	1	\$0.00	1	\$0.00
Laboratory (See Attached Breakdown)	\$3,750.00	TASK	1	\$562.50	1	\$4,312.50
Driller		TASK	1	\$0.00	1	\$0.00
Equipment Rental		TASK	1	\$0.00	1	\$0.00
Disposal/Landfill Fees		TASK	1	\$0.00	1	\$0.00
Permits						
Well/Boring Permits \$330 + \$70 ea additional		TASK	1	\$0.00	1	\$0.00
Discharge Permit		TASK	1	\$0.00	1	\$0.00
Encroachment Permit		TASK	1	\$0.00	1	\$0.00
Equipment Costs						
Misc. Small Items	\$25.00	DAY	4	NA	1	\$100.00
Tyvek/Polyethylene Suits	\$7.59	SUIT		NA	1	\$0.00
Gloves - Nitrile, Lined, Heavyweight	\$2.59	PAIR		NA	1	\$0.00
Gloves - Nitrile, Disposable, Unlined	\$0.50	PAIR		NA	1	\$0.00
Organic Vapor Cartridge R51A	\$10.08	PAIR		NA	1	\$0.00
2" Disposable Bailer with drain tube	\$8.00	EACH	4	NA	1	\$32.00
Purge Pump 2" submersible	\$45.00	DAY		NA	1	\$0.00
Pressurized Bailer with Filter	\$25.00	EACH		NA	1	\$0.00
Encore Sample Set (includes 3-(5) gm. Samplers)	\$30.00	EACH		NA	1	\$0.00
Soil Tubes (stainless steel)	\$10.00	EACH		NA	1	\$0.00
Hand Auger with Split Spoon and Hammer	\$30.00	DAY		NA	1	\$0.00
Drums	\$40.00	EACH	1	NA	1	\$40.00
2" Weighted Surge Block	\$5.00	EACH		NA	1	\$0.00
Locking Well Caps	\$20.00	EACH		NA	1	\$0.00
Padlock	\$10.00	EACH		NA	1	\$0.00
Water Level/Interface Indicator Probes	\$35.00	DAY	1	NA	1	\$35.00
Photovac TIP Photo -Ion Detector	\$100.00	DAY	1	NA	1	\$100.00
Dissolved Oxygen / ORP Multi-Meter	\$40.00	DAY		NA	1	\$0.00
Field Nitrate/Phosphate Tests	\$2.00	EACH		NA	1	\$0.00
Sensidyne Pump and Tubes	\$25.00	DAY		NA	1	\$0.00
Air Sampling Pump	\$50.00	DAY		NA	1	\$0.00
pH/Cond/Temp Meter	\$40.00	DAY	1	NA	1	\$40.00
Turbidity Meter	\$20.00	DAY		NA	1	\$0.00
Pipe Finder (metal detector)	\$20.00	DAY		NA	1	\$0.00
Surveying Equipment	\$100.00	DAY		NA	1	\$0.00
Traffic Control Barricades	\$5.00	EACH		NA	1	\$0.00
Mileage	\$0.50	MILE	20	NA	30	\$300.00
SUBTOTAL EXPENSES						\$4,959.50
TASK #7 GRAND TOTAL =						\$9,929.50

FEE ESTIMATING SHEET

PROJECT: City of Rohnert Park Corporation Yard

TASK 8: Drilling Event Prefield, Permitting, USA Marking, and Coordination

Mark site as required by Underground Services Alert (USA) North, make required notifications to USA, SCDHS-EHD, and the City. Prepare drilling permits and pay fees. Coordination with a drilling company to install one (1) shallow monitoring well, and up to three (3) soil borings inside the Corporation Yard Shop Building. A limited access drilling rig will be used.

ITEM	RATE	UNIT	QUANTITY	MARKUP	TOTAL # EVENTS	TOTAL
W&K LABOR						
Principal Geologist	\$145.00	HOURL		NA	1	\$0.00
Senior / Project Manager	\$120.00	HOURL	2	NA	1	\$240.00
Associate / Project Consultant	\$105.00	HOURL	1	NA	1	\$105.00
Sr. Staff Consultant	\$90.00	HOURL	2	NA	1	\$180.00
Junior Consultant/Senior Technician	\$80.00	HOURL	12	NA	1	\$960.00
Junior Technician	\$75.00	HOURL		NA	1	\$0.00
Drafting	\$65.00	HOURL		NA	1	\$0.00
Technical Report Reviewer	\$65.00	HOURL	1	NA	1	\$65.00
Clerical/Word Processing	\$55.00	HOURL	2	NA	1	\$110.00
SUBTOTAL EMPLOYEE LABOR			20			\$1,660.00
EXPENSES						
Subcontractors						
Utility Clearance		TASK	1	\$0.00	1	\$0.00
Concrete Corer		TASK	1	\$0.00	1	\$0.00
Traffic Control		TASK	1	\$0.00	1	\$0.00
Laboratory (See Attached Breakdown)		TASK	1	\$0.00	1	\$0.00
Driller		TASK	1	\$0.00	1	\$0.00
Equipment Rental		TASK	1	\$0.00	1	\$0.00
Disposal/Landfill Fees		TASK	1	\$0.00	1	\$0.00
Permits						
Well/Boring Permits \$330 + \$70 ea additional	\$610.00	TASK	1	\$91.50	1	\$701.50
Discharge Permit		TASK	1	\$0.00	1	\$0.00
Encroachment Permit		TASK	1	\$0.00	1	\$0.00
Equipment Costs						
Misc. Small Items	\$25.00	DAY	2	NA	1	\$50.00
Tyvek/Polyethylene Suits	\$7.59	SUIT		NA	1	\$0.00
Gloves - Nitrile, Lined, Heavyweight	\$2.59	PAIR		NA	1	\$0.00
Gloves - Nitrile, Disposable, Unlined	\$0.50	PAIR		NA	1	\$0.00
Organic Vapor Cartridge R51A	\$10.08	PAIR		NA	1	\$0.00
2" Disposable Bailer with drain tube	\$8.00	EACH		NA	1	\$0.00
Purge Pump 2" submersible	\$45.00	DAY		NA	1	\$0.00
Pressurized Bailer with Filter	\$25.00	EACH		NA	1	\$0.00
Encore Sample Set (includes 3-(5) gm. Samplers)	\$30.00	EACH		NA	1	\$0.00
Soil Tubes (stainless steel)	\$10.00	EACH		NA	1	\$0.00
Hand Auger with Split Spoon and Hammer	\$30.00	DAY		NA	1	\$0.00
Drums	\$40.00	EACH		NA	1	\$0.00
2" Weighted Surge Block	\$5.00	EACH		NA	1	\$0.00
Locking Well Caps	\$20.00	EACH		NA	1	\$0.00
Padlock	\$10.00	EACH		NA	1	\$0.00
Water Level/Interface Indicator Probes	\$35.00	DAY		NA	1	\$0.00
Photovac TIP Photo -Ion Detector	\$100.00	DAY		NA	1	\$0.00
Dissolved Oxygen / ORP Multi-Meter	\$40.00	DAY		NA	1	\$0.00
Field Nitrate/Phosphate Tests	\$2.00	EACH		NA	1	\$0.00
Sensidyne Pump and Tubes	\$25.00	DAY		NA	1	\$0.00
Air Sampling Pump	\$50.00	DAY		NA	1	\$0.00
pH/Cond/Temp Meter	\$40.00	DAY		NA	1	\$0.00
Turbidity Meter	\$20.00	DAY		NA	1	\$0.00
Pipe Finder (metal detector)	\$20.00	DAY		NA	1	\$0.00
Surveying Equipment	\$100.00	DAY		NA	1	\$0.00
Traffic Control Barricades	\$5.00	EACH		NA	1	\$0.00
Mileage	\$0.50	MILE	20	NA	1	\$10.00
SUBTOTAL EXPENSES						\$761.50
TASK #8 GRAND TOTAL =						\$2,421.50

FEE ESTIMATING SHEET

PROJECT: City of Rohnert Park Corporation Yard

TASK 9: Drill and Install One Monitoring/Remediation Well, and Three Soil Borings

Install one 4-inch monitoring/remediation well and up to three soil borings. Borings to be continuously cored and lithology logged and field screened for contaminants. Collect insitu groundwater samples from the three borings using a GeoProbe device. Retain surface and smear soil samples for analytical testing. As directed by the SCDHS-EHD, one saturated soil sample in at the depth of 17 feet bgs in one boring will be collected and submitted for analysis. Develop monitoring/remediation well. Contain all waste generated from the drilling activities in DOT approved drums, label, and profile for disposal. Survey TOC of the new well and the locations of the borings. Up to twelve (12) soil and groundwater samples to be delivered to the analytical laboratory for testing.

ITEM	RATE	UNIT	QUANTITY	MARKUP	TOTAL # EVENTS	TOTAL
W&K LABOR						
Principal Geologist	\$145.00	HOURL		NA	1	\$0.00
Senior / Project Manager	\$120.00	HOURL	3	NA	1	\$360.00
Associate / Project Consultant	\$105.00	HOURL	3	NA	1	\$315.00
Sr. Staff Consultant	\$90.00	HOURL	20	NA	1	\$1,800.00
Junior Consultant/Senior Technician	\$80.00	HOURL	12	NA	1	\$960.00
Junior Technician	\$75.00	HOURL		NA	1	\$0.00
Drafting	\$65.00	HOURL		NA	1	\$0.00
Technical Report Reviewer	\$65.00	HOURL	1	NA	1	\$65.00
Clerical/Word Processing	\$55.00	HOURL	2	NA	1	\$110.00
SUBTOTAL EMPLOYEE LABOR			41			\$3,610.00
EXPENSES						
Subcontractors						
Utility Clearance	\$350.00	TASK	1	\$52.50	1	\$402.50
Concrete Corer	\$750.00	TASK	1	\$112.50	1	\$862.50
Surveyor	\$1,750.00	TASK	1	\$262.50	1	\$2,012.50
Laboratory (See Attached Breakdown)	\$4,760.00	TASK	1	\$714.00	1	\$5,474.00
Driller	\$8,000.00	TASK	1	\$1,200.00	1	\$9,200.00
Equipment Rental		TASK	1	\$0.00	1	\$0.00
Disposal/Landfill Fees	\$225.00	TASK	10	\$337.50	1	\$2,587.50
Permits						
Well/Boring Permits \$330 + \$77 ea additional	\$561.00	TASK	1	\$84.15	1	\$645.15
Discharge Permit		TASK	1	\$0.00	1	\$0.00
Encroachment Permit		TASK	1	\$0.00	1	\$0.00
Equipment Costs						
Misc. Small Items	\$25.00	DAY	8	NA	1	\$200.00
Tyvek/Polyethylene Suits	\$7.59	SUIT		NA	1	\$0.00
Gloves - Nitrile, Lined, Heavyweight	\$2.59	PAIR		NA	1	\$0.00
Gloves - Nitrile, Disposable, Unlined	\$0.50	PAIR		NA	1	\$0.00
Organic Vapor Cartridge R51A	\$10.08	PAIR		NA	1	\$0.00
2" Disposable Bailer with drain tube	\$8.00	EACH	2	NA	1	\$16.00
Purge Pump 2" submersible	\$45.00	DAY	1	NA	1	\$45.00
Pressurized Bailer with Filter	\$25.00	EACH		NA	1	\$0.00
Encore Sample Set (includes 3-(5) gm. Samplers)	\$30.00	EACH		NA	1	\$0.00
Soil Tubes (stainless steel)	\$10.00	EACH		NA	1	\$0.00
Hand Auger with Split Spoon and Hammer	\$30.00	DAY		NA	1	\$0.00
Drums	\$40.00	EACH	2	NA	1	\$80.00
2" Weighted Surge Block	\$5.00	EACH	1	NA	1	\$5.00
Locking Well Caps	\$20.00	EACH		NA	1	\$0.00
Padlock	\$10.00	EACH		NA	1	\$0.00
Water Level/Interface Indicator Probes	\$35.00	DAY	1	NA	1	\$35.00
Photovac TIP Photo -Ion Detector	\$100.00	DAY	3	NA	1	\$300.00
Dissolved Oxygen / ORP Multi-Meter	\$40.00	DAY	1	NA	1	\$40.00
Field Nitrate/Phosphate Tests	\$2.00	EACH		NA	1	\$0.00
Sensidyne Pump and Tubes	\$25.00	DAY		NA	1	\$0.00
Air Sampling Pump	\$50.00	DAY		NA	1	\$0.00
pH/Cond/Temp Meter	\$40.00	DAY	1	NA	1	\$40.00
Turbidity Meter	\$20.00	DAY	1	NA	1	\$20.00
Pipe Finder (metal detector)	\$20.00	DAY		NA	1	\$0.00
Surveying Equipment	\$100.00	DAY		NA	1	\$0.00
Traffic Control Barricades	\$5.00	EACH		NA	1	\$0.00
Mileage	\$0.50	MILE	20	NA	3	\$30.00
SUBTOTAL EXPENSES						\$21,995.15
TASK #9 GRAND TOTAL =						\$25,605.15

FEE ESTIMATING SHEET

PROJECT: City of Rohnert Park Corporation Yard
TASK 10: Prepare Additional Subsurface Report

Prepare a technical report describing the field activities and a findings of this investigation. The report will include a summary of findings including analytical data, dissolved concentration and soil concentration maps, potentiometric map, survey data, conclusions, and recommendations.

ITEM	RATE	UNIT	QUANTITY	MARKUP	TOTAL # EVENTS	TOTAL
W&K LABOR						
Principal Geologist	\$145.00	HOURL	1	NA	1	\$145.00
Senior / Project Manager	\$120.00	HOURL	4	NA	1	\$480.00
Associate / Project Consultant	\$105.00	HOURL	3	NA	1	\$315.00
Sr. Staff Consultant	\$90.00	HOURL	8	NA	1	\$720.00
Junior Consultant/Senior Technician	\$80.00	HOURL	24	NA	1	\$1,920.00
Junior Technician	\$75.00	HOURL		NA	1	\$0.00
Drafting	\$65.00	HOURL	10	NA	1	\$650.00
Technical Report Reviewer	\$65.00	HOURL	4	NA	1	\$260.00
Clerical/Word Processing	\$55.00	HOURL	8	NA	1	\$440.00
SUBTOTAL EMPLOYEE LABOR			62			\$4,930.00
EXPENSES						
Subcontractors						
Utility Clearance		TASK	1	\$0.00	1	\$0.00
Concrete Corer		TASK	1	\$0.00	1	\$0.00
Traffic Control		TASK	1	\$0.00	1	\$0.00
Laboratory (See Attached Breakdown)		TASK	1	\$0.00	1	\$0.00
Driller		TASK	1	\$0.00	1	\$0.00
Equipment Rental		TASK	1	\$0.00	1	\$0.00
Disposal/Landfill Fees		TASK	1	\$0.00	1	\$0.00
Permits						
Well/Boring Permits \$330 + \$70 ea additional		TASK	1	\$0.00	1	\$0.00
Discharge Permit		TASK	1	\$0.00	1	\$0.00
Encroachment Permit		TASK	1	\$0.00	1	\$0.00
Equipment Costs						
Misc. Small Items	\$25.00	DAY		NA	1	\$0.00
Tyvek/Polyethylene Suits	\$7.59	SUIT		NA	1	\$0.00
Gloves - Nitrile, Lined, Heavyweight	\$2.59	PAIR		NA	1	\$0.00
Gloves - Nitrile, Disposable, Unlined	\$0.50	PAIR		NA	1	\$0.00
Organic Vapor Cartridge R51A	\$10.08	PAIR		NA	1	\$0.00
2" Disposable Bailer with drain tube	\$8.00	EACH		NA	1	\$0.00
Purge Pump 2" submersible	\$45.00	DAY		NA	1	\$0.00
Pressurized Bailer with Filter	\$25.00	EACH		NA	1	\$0.00
Encore Sample Set (includes 3-(5) gm. Samplers)	\$30.00	EACH		NA	1	\$0.00
Soil Tubes (stainless steel)	\$10.00	EACH		NA	1	\$0.00
Hand Auger with Split Spoon and Hammer	\$30.00	DAY		NA	1	\$0.00
Drums	\$40.00	EACH		NA	1	\$0.00
2" Weighted Surge Block	\$5.00	EACH		NA	1	\$0.00
Locking Well Caps	\$20.00	EACH		NA	1	\$0.00
Padlock	\$10.00	EACH		NA	1	\$0.00
Water Level/Interface Indicator Probes	\$35.00	DAY		NA	1	\$0.00
Photovac TIP Photo -Ion Detector	\$100.00	DAY		NA	1	\$0.00
Dissolved Oxygen / ORP Multi-Meter	\$40.00	DAY		NA	1	\$0.00
Field Nitrate/Phosphate Tests	\$2.00	EACH		NA	1	\$0.00
Sensidyne Pump and Tubes	\$25.00	DAY		NA	1	\$0.00
Air Sampling Pump	\$50.00	DAY		NA	1	\$0.00
pH/Cond/Temp Meter	\$40.00	DAY		NA	1	\$0.00
Turbidity Meter	\$20.00	DAY		NA	1	\$0.00
Pipe Finder (metal detector)	\$20.00	DAY		NA	1	\$0.00
Surveying Equipment	\$100.00	DAY		NA	1	\$0.00
Traffic Control Barricades	\$5.00	EACH		NA	1	\$0.00
Mileage	\$0.50	MILE		NA	1	\$0.00
SUBTOTAL EXPENSES						\$0.00
TASK #10 GRAND TOTAL =						\$4,930.00

LABORATORY ANALYSES
Supplemental Cost Information: Commercial Rates for Laboratory Analyses

PROJECT NAME: City of Rohnert Park Corporation Yard
 PROJECT NUMBER: 2056-10-00XX

PROJECT MANAGER: David J. Vossler

Supplemental Cost Information: Commercial Rates for Laboratory Analyses								
Task #	Sample	Analysis	Laboratory Method	Soil, Water, or Air	Cost per Sample (without overhead)	# Samples	Total Cost Per Line	Total Cost Per Task
1	Quarterly/Annual Sampling	TPH-G, BTEX, 5 Oxys, Pb Sc	EPA Methods 8015M, 8260B	Water	\$195.00	33	\$6,435.00	
	Annual - 9 wells						\$0.00	
	Quarterly - 6 wells						\$0.00	
		Disposal		Water	\$3.00	33	\$99.00	
		GeoTracker (10%)			\$600.00	1	\$600.00	\$7,134.00
4	Purge water disposal	TPH-G, D, BTEX, and MTBE	EPA Method 8015M, 8260B	Water	\$110.00	3	\$330.00	
		Disposal			\$3.00	3	\$9.00	
							\$0.00	\$339.00
6	HVDPE Pilot-Test	TPH-G, BTEX, 5 Oxys, Pb Sc	EPA Methods 8015M, 8260B	Water	\$195.00	8	\$1,560.00	
		TPH-G, -D, -MO, BTEX, and		Air	\$210.00	8	\$1,680.00	
							\$0.00	
		Disposal			\$3.00	8	\$24.00	
		GeoTracker			\$330.00	1	\$330.00	\$3,594.00
9	Well and Soil Boring Install	TPH-G, -D, BTEX, and MTBE	EPA Method 8015M, 8260B	soil	\$250.00	12	\$3,000.00	
	Up to 4 borings, 3 samples each			water	\$250.00	4	\$1,000.00	
	Soil Disposal	TPH-G, -D, BTEX, and Lead		soil	\$280.00	1	\$280.00	
		Disposal		soil/water	\$3.00	16	\$48.00	
		GeoTracker			\$425.00	1	\$425.00	\$4,753.00
Total Analytical Cost =							\$15,820.00	\$15,820.00