



**CITY OF LODI
COUNCIL COMMUNICATION**

AGENDA TITLE: Adopt Resolution Authorizing City Manager to Execute Task Order Nos. 3 and 5 of the City of Lodi Soil and Groundwater Remediation Projects with Stantec Consulting Corporation, of Rancho Cordova, for Groundwater Monitoring Services and Value Engineering Services (\$65,000)

MEETING DATE: April 21, 2010

PREPARED BY: Public Works Director

RECOMMENDED ACTION: Adopt a resolution authorizing the City Manager to execute Task Order Nos. 3 and 5 of the City of Lodi Soil and Groundwater Remediation Projects with Stantec Consulting Corporation, of Rancho Cordova, for groundwater monitoring services and value engineering services in the amount of \$65,000.

BACKGROUND INFORMATION: On May 6, 2009, City Council approved a professional services agreement with Stantec Consulting Corporation (Stantec) for groundwater monitoring and reporting services for the Central Plume. Recognizing that Stantec would be called upon for additional

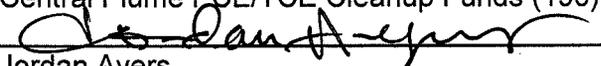
professional services, a Master Professional Services Agreement was approved by City Council on June 17, 2009. At that time, Task Order No. 1 was approved for professional services related to the characterization and cleanup of the Lodi Energy Center site. Task Order No. 2 was approved by City Council in August 2009 for monitoring well maintenance and related services. Task Order No. 4 was issued for services provided to Lodi Electric Utility Department for transformer investigations.

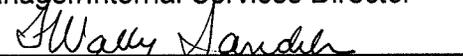
New Task Order No. 3, in the amount of \$15,000, includes additional groundwater monitoring and monitoring well maintenance services beyond those included in previously-approved contracts. It includes additional work required by the Central Valley Regional Water Quality Control Board, including additional monitoring, collection and compilation of monitoring data, and expansion of the quarterly monitoring reports, for a cost of \$3,200. It also includes a continuation of monitoring well maintenance services, including well maintenance (annular seals, broken lids, well gaskets, well boxes, etc.), replacement of sample bag hangers, and related site maintenance. The budget for these services is \$11,800, to be billed on a time-and-cost basis.

Task Order No. 5 will provide value engineering services related to the Central Plume PCE Cleanup Project at a cost of \$50,000. Services will include review of submittals prepared by the PCE Cleanup Project contractor, Diede Construction, for building permit; geology logs; extraction well design; equipment; operations and monitoring plan; facility operations optimization; and monitoring results. Stantec has provided very similar services to a number of clients in the northern California area. Stantec has been providing related services to the City for the past year with excellent results.

FISCAL IMPACT: Costs are funded by PCE/TCE Cleanup Funds.

FUNDING AVAILABLE: Central Plume PCE/TCE Cleanup Funds (190) - \$65,000


 Jordan Ayers
 Deputy City Manager/Internal Services Director


 F. Wally Sandelin
 Public Works Director

cc Deputy Public Works Director – Utilities

APPROVED: 
 Blair King, City Manager



Stantec

Stantec Consulting Corporation
3017 Kilgore Road Suite 100
Rancho Cordova CA 95670
Tel: (916)861-0400
Fax: (916)861-0430

March 11, 2010
File: 185702079.200.0001

Mr. F. Wally Sandelin, Public Works Director
Public Works Department
221 West Pine Street; P.O. Box 3006
Lodi, California 95241-1910

Dear Mr. Sandelin:

**Reference: Revised Request for Task Order Number 3
Well Maintenance and On-Call Environmental Services
Groundwater Monitoring and Reporting Services Project**
221 West Pine Street
Lodi, California 95240

At the request of the City of Lodi (the City), Stantec Consulting Corporation (Stantec) submits this request for Task Order Number 3 to fund additional out-of-scope services associated with the above-referenced project. This request provides funding for services performed that were not in the approved scope of work for the dedicated Well Maintenance and On-Call Services Task established at the City's request.

PROJECT FUNDING BACKGROUND

The Central Plume, Monitoring and Sampling (M&S) project was contracted for two years under the May 26, 2009 *Agreement for Consulting Services*. The Well Maintenance and On-Call Services Task (WM Task) was funded with a budget of \$19,000 by Task Order Number 2 issued under the June 17, 2009 *Master Professional Services Agreement (MPSA)*.

The WM Task was set up to perform City-requested, out-of-scope services associated with the M&S project. These services were to include the following:

- Ongoing Well Maintenance,
- Deployment of Missing Passive Diffusion Bags (PDBs) for Second Quarter 2009 Sampling Event,
- Replacement of PDB Suspension Tethers with Stainless Steel Tethers in Seven Wells, and
- Additional Environmental Services as Requested

The details of the proposed scope of work are described in Stantec's attached *Revised Request for Task Order Number 2* dated July 28, 2009.

Reference: Request for Task Order Number 3, Groundwater Monitoring and Reporting Services Project

COMPLETED OUT OF SCOPE WORK

Part of the requested WM Task services were completed, including deployment of the missing PDBs, replacement of PDB suspension tethers, and some of the well maintenance work. However, most of the budget was utilized for additional requested services not included in the original budget. These include the following:

- Regional Water Quality Control Board (RWQCB) directed re-sampling of six monitoring wells. Due to perennial declining groundwater elevations, these wells were dry during the second quarter sampling event on June 25, 2009. This required mobilization on June 26, 2009 to deploy PDBs at lower depths in three of these wells. A second mobilization occurred July 10, 2009 to sample these PDBs and complete conventional purge and sampling of the other three wells. Out of scope services included senior-level coordination with the City, the RWQCB, and the analytical laboratory; short-notice staffing efforts, technician-level sampling labor, field oversight, analytical fees, and related equipment and expenses were also included. The details of these efforts were documented in the *Second Quarter 2009 Groundwater Monitoring and Sampling Report* and emails to the City.
- Much of the proposed budget has been used for out-of-scope efforts to obtain missing site data from Treadwell and Rollo (T&R). All site data required to generate the many tables and figures in the reports were supposed to be included in the database provided by T&R during the project transitioning phase. Significant costs were incurred in an iterative process to identify, request, and acquire missing data; then verify the presence or further document missing data in three separate versions of the database provided by T&R. In an attempt to comply with established reporting deadlines, hand entry into the database of three quarters of historical groundwater elevation data was required to generate several of the tables and figures. Identifying missing data in an electronic database with hundreds of thousands of data points is a non-trivial, time consuming effort. The bulk of these efforts took place over a period of nearly four months. These included, but were not limited to, missing historical (pre 2005) analytical data for network wells, water level data for the last three quarters, and historical data for the site water supply wells 02, 06R, and 08. Out of scope services included senior-level coordination with T&R and both junior and senior-level programming labor in the database group. The details of the more significant of these efforts were documented in ongoing emails to the City.
- To insure compliance with the RWQCB Monitoring and Reporting Program, Stantec generated (at the request of the City) additional illustrations that had not been included in the previously submitted T&R reports. A recent T&R report had been included as an example report with the background material supplied by the City in the February 24, 2009 Request for Proposal. A vertical gradient table was generated, which compiles historical groundwater elevation data and calculates vertical gradients between nine existing well pairs. This table is now included and discussed in the quarterly reports. Four additional figures were also generated to document the presence, magnitude, and spatial distribution of tetrachloroethylene (PCE) in each of the four hydrostratigraphic zones. These figures are now included and discussed in the quarterly reports.

Reference: Request for Task Order Number 3, Groundwater Monitoring and Reporting Services Project

- GeoTracker compliance efforts. At the request of the City, Stantec documented which T&R historical monitoring reports (PDFs) and T&R historical analytical reports (electronic data format files EDFs) were missing from GeoTracker. Stantec coordinated with City to obtain PDF copies of missing reports for uploading to GeoTracker. GeoTracker now contains all the required T&R historical monitoring reports (PDFs). Stantec has coordinated with Curtiss & Tompkins, LLC (former project analytical laboratory), regarding the process and approvals required for regenerating historical EDF reports that are missing from GeoTracker. In order to minimize expenditures to bring EDF submittals up to date, Stantec has requested from T&R all available EDFs. This will minimize the number of EDFs that need to be regenerated by Curtiss & Tompkins and reduce associated costs to the City.

Details on the efforts outlined above have been provided on project invoice summaries and emails copied to the City. These efforts have exceeded the approved \$19,000 budget by approximately \$3,200.

REMAINING OUT OF SCOPE WORK

Completed out-of-scope services were described above. Most efforts were associated with requested services not originally included within the approved scope of work for Task Order Number 2. This section outlines requested out-of-scope services included in the original Task Order Number 2, which remain to be completed.

- Replacement of well heads G-24B and G-25B. As discussed in our latest quarterly meeting, the well box seals have degraded and need to be replaced by jack hammering the existing seals, replacing the well boxes, and pouring a new concrete seals.
- Upload missing EDFs to GeoTracker. Stantec has requested and received from T&R all available historical EDFs. Stantec will review those provided EDFs, identify missing EDFs, and review the EDFs for appropriate syntax. Many EDFs, especially historical EDFs, include syntax errors that need to be identified and corrected prior to uploading to the GeoTracker. If possible, Stantec will correct syntax errors and upload to GeoTracker in order to reduce costs to the City. Some EDFs are missing, and some or most may need to be regenerated by the original contract laboratory. Stantec has coordinate with the former project laboratory (Curtiss & Tompkins, LLC [C&T]) regarding the costs and process for regenerating missing historical EDFs. Stantec will work with C&T to provide the necessary replacement EDFs and upload them to GeoTracker at the least cost to the City.
- Additional budget is requested for the WM Task to perform ongoing well maintenance and unanticipated City-required environmental consulting services not included in the original scope of work (outlined in Stantec's April 3, 2009 *Proposal to Provide Ground Wafer Monitoring/Reporting Services*).

It is estimated that remaining services described above can be completed with a budget of approximately \$11,800.

Stantec

March 11, 2010
Mr. F. Wally Sandelin
Page 4 of 5

Reference: Request for Task Order Number 3, Groundwater Monitoring and Reporting Services Project

TASK ORDER NUMBER 3 BUDGET REQUEST

At the request of the City, Stantec submitted its July 10, 2009 *Revised Request for Task Order Number 2* with a budget request for \$19,000.

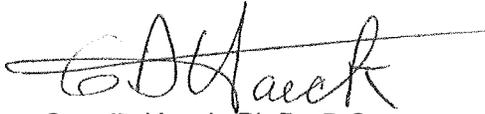
The completed out-of-scope services described above have exceeded the approved budget by approximately \$3,200 dollars. It is estimated that the remaining requested services can be completed with a time and materials budget of \$11,800.

Completed WM Task current estimated over-budget amount	\$3,200
<u>Remaining out-of-scope services budget request</u>	<u>\$11,800</u>
Total requested Task Order Number 3 budget increase	\$15,000

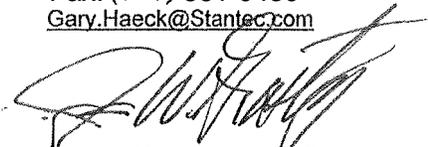
Therefore, Stantec requests the City issue Task Order Number 3 with a time and materials budget of \$15,000. The task order will be executed under the existing *Master Professional Services Agreement, Engineering Support Services for the City of Lodi* approved by the City Council on June 17, 2009. A draft copy of Task Order Number 3 based on the format of previous task orders is included for the City's convenience. Should you have any questions or concerns regarding this task order request, please feel free to contact me.

Sincerely,

SPANTEC CONSULTING CORPORATION



Gary D. Haeck, Ph.D., P.G.
Managing Senior Geologist
Tel: (916) 384-0768
Fax: (916) 861-0430
Gary.Haeck@Stantec.com



James W. Grasty, P.G.
Managing Principal Geologist
Regional Manager

Attachments: *Revised Request for Task Order Number 2, Well Maintenance and On-Call Environmental Services, Groundwater Monitoring/Reporting Services Project*
Draft Task Order Number 3.

**REVISED REQUEST FOR TASK ORDER NUMBER 2, WELL
MAINTENANCE AND ON-CALL ENVIRONMENTAL SERVICES,
GROUNDWATER MONITORING/REPORTING SERVICES
PROJECT**



Stantec

Stantec Consulting Corporation
3017 Kilgore Road Suite 100
Rancho Cordova CA 95670
Tel: (916) 861-0400
Fax: (916) 861-0430

RECEIVED

JUL 30 2009



CITY OF LODI
PUBLIC WORKS DEPARTMENT

July 28, 2009
File: 185702079.200.0001

Mr. F. Wally Sandelin, Public Works Director
Public Works Department
227 West Pine Street; P.O. Box 3006
Lodi, California 95241-1910

Dear Mr. Sandelin:

**Reference: Revised Request for Task Order Number 2
Well Maintenance and On-Call Environmental Services
Groundwater Monitoring/Reporting Services Project
221 West Pine Street
Lodi, California 95240**

At the request of the City of Lodi (the City), Stantec Consulting Corporation (Stantec) is pleased to submit this request for Task Order Number 2 to fund necessary well maintenance and related on-call environmental services in connection with the *above-referenced* project. The objective of this task order is to establish a time-and-materials budget for ongoing well maintenance **and** related services not included in the scope of work for the Groundwater Monitoring/Reporting Services project. The work to be completed under Task Order Number 2 will be performed in accordance with the terms and conditions of the existing *Master Professional Services Agreement, Engineering Support Services for the City of Lodi* approved by the City Council on June 17, 2009.

WORK SCOPE

Stantec will or has performed the following work items under this task order as requested by the City:

- Task 1. Ongoing Well Maintenance,
- Task 2. Deployment of Missing Passive Diffusion Bags (PDBs) for Second Quarter 2009 Sampling Event,
- Task 3. Replacement of PDB Suspension Tethers with Stainless Steel Tethers in Seven Wells, and
- Task 4. Additional Environmental Services as Requested

TASK 1 – ONGOING WELL MAINTENANCE

As previously discussed and documented, information provided by the previous sampling consultant (WGR Southwest Inc. [WGR]) (attached) indicates that the serviceability of many of the well heads in the 50 well network are suspect and various repairs are needed to restore well integrity. These currently include, but are not limited to, cracked annular and well box seals, broken well lids, missing well gaskets, leaking well boxes, stripped well box threads, stripped and missing

Stantec

July 28, 2009
Mr. F. Wally Sandelin
Page 2 of 3

Reference: Request for Task Order Number 2 Well Maintenance and On Call Environmental Services, Groundwater Monitoring/Reporting Services Project

well bolts, etc... Other ongoing well maintenance issues as needed and requested by the City are included in this task. Stantec will evaluate and confirm well box conditions and confirm with the City prior to performing needed repairs.

TASK 2 – DEPLOYMENT OF MISSING PASSIVE DIFFUSION BAGS (PDBS) FOR SECOND QUARTER 2009 SAMPLING EVENT

PDBs must be deployed a minimum of two weeks prior to retrieval and sample collection. Typically PDBs required for the next quarterly sampling event are deployed during the current event to avoid a separate, unnecessary mobilization. Information provided by WGR (attached), indicated that PDBs for four of the wells (~~G-05~~ G-1, G-13, and MW-258) were inadvertently not deployed with others during first quarter 2009. With concurrence of and coordination with the City, Stantec deployed these PDBs on June 9, 2009 as required to insure compliance with Monitoring and Reporting Program Number. R5-2008-0813. As requested by the City, Stantec is including the costs for this out of scope work in this task order. These out of scope charges including required labor, materials, and expenses are expected to total less than \$1,500.

TASK 3 – REPLACEMENT OF PDB SUSPENSION TETHERS WITH STAINLESS STEEL TETHERS IN SEVEN WELLS

As previously discussed, information provided by WGR Environmental (attached) indicates that there are seven remaining wells that still need the cotton twine PDB suspension tethers replaced. When WGR began performing the PDB sampling several years ago, the wells were fitted with simple cotton twine to suspend the PDBs. Over subsequent years, the decaying twine has been replaced with conventional stainless steel suspension tethers, fitted with hanger assemblies, and charged to the City. Currently, seven wells (G-10, G-18B, G-25C, G-21C, G-22C, G-23C, and G-25C) need the twine replaced with conventional tethers. Stantec will evaluate and confirm the presence of twine in these wells and coordinate with the City prior to replacement. Costs for the tethers and hanger assemblies vary with length and range from approximately \$200 to \$350 per well. This task includes the required labor, materials, and expenses.

TASK 4 – ADDITIONAL ENVIRONMENTAL CONSULTING SERVICES AS REQUESTED

At the request of the City, Stantec will perform additional environmental consulting services that are not included in the approved scope of work outlined in Stantec's April 3, 2009 *Proposal to Provide Ground Water Monitoring/Reporting Services*.

FEE AND SCHEDULE

In accordance with discussions with the City, Stantec estimates a time-and-materials budget of \$19,000.00 for the scope of services itemized above. The work is associated with the current Ground Water Monitoring/Reporting Services Project (Stantec Project Number 185702079). Stantec will establish a separate Well Maintenance Task for this project to track costs associated with the scope of work outlined above and will invoice the City with the regular monthly invoice for this project. The work will be completed in accordance with the terms and conditions of the existing *Master Professional Services Agreement, Engineering Support Services for the City of Lodi* approved by the City Council on June 17, 2009.

Stantec

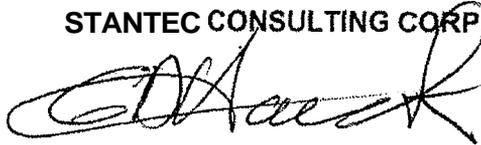
July 28, 2009
Mr. F. Wally Sandelin
Page 3 of 3

**Reference: Request for Task Order Number 2 Well Maintenance and On Cali Environmental Services,
Groundwater Monitoring/Reporting Services Project**

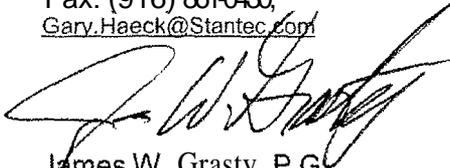
Should you have any **questions** or concerns regarding this proposal or cost estimate, **please** feel free to contact me.

Sincerely,

STANTEC CONSULTING CORPORATION



Gary D. Haeck, Ph.D., P.G.
Managing Senior **Geologist**
Tel: (916) 384-0768
Fax: (916) 861-0430
Gary.Haeck@Stantec.com



James W. Grasty, P.G.
Managing Principal Geologist
Regional Manager

Attachments: Well Status Information Provide by WGR Southwest Inc.
Draft Task Order Number **2**
2009 Billing Rate Schedule

**WELL STATUS INFORMATION PROVIDED BY
WGR SOUTHWEST INC.**

table 1
 Q1-2009 Quarterly Sampling Event - March 2009
 Central Plume Area
 City of Lodi

Well ID	Top of PDB (ft bgs)		PDB present in well (Installed during Q4-2008 event)		PDB to be installed 2 weeks prior to sampling		Water Level Measurement	Q1-2009 Sampling Event (March 2009)		Duplicate Sample ID	PDB Installation for Q2-2009 Event (June 2009)		Needs Twine Changed OUT		
	Depth 1	Depth 2	Depth 1	Depth 2	Depth 1	Depth 2		Depth 1	Depth 2		Depth 1	Depth 2			
G-04		49.5				*	*	*	*		*	*			
G-05		56				*	*	*	*	DUP1	*	*			
G-06		52				*	*	*	*		*	*			
G-07		52				*	*	*	*		*	*			
G-08		60		*		*	*	*	*		*	*			
G-10		62		*		*	*	*	*		*	*	✓		
G-11		62		*		*	*	*	*		*	*			
G-12		62		*		*	*	*	*		*	*			
G-13		64.5		*		*	*	*	*		*	*			
G-14A		58		*		*	*	*	*	DUP2	*	*			
G-14B		109		*		*	*	*	*		*	*			
G-14C		149		*		*	*	*	*		*	*			
G-15A		58		*		*	*	*	*		*	*			
G-16A		59.5		*		*	*	*	*		*	*	✓		
G-16B		122		*		*	*	*	*		*	*			
G-16C		--		*		*	*	*	*		*	*			
G-17A		62		*		*	*	*	*		*	*			
G-18A		58		*		*	*	*	*		*	*			
G-18B		131		*		*	*	*	*		*	*	✓		
G-18C		--		*		*	*	*	*		*	*			
G-19A		59		*		*	*	*	*	DUP3	*	*			
G-24A		67.5		*		*	*	*	*		*	*			
G-24B		122		*		*	*	*	*		*	*			
G-25A		97		*		*	*	*	*		*	*			
G-25B		147		*		*	*	*	*		*	*			
G-25C		188.5		*		*	*	*	*		*	*	✓		
MW-06		57		*		*	*	*	*		*	*			
MW-08		49		*		*	*	*	*		*	*			
MW-09		50.5		*		*	*	*	*		*	*			
MW-12		52.5		*		*	*	*	*		*	*			
MW-13		--		*		*	*	*	*		*	*			
MW-15		56		*		*	*	*	*		*	*			
MW-17		68		*		*	*	*	*		*	*			
MW-1B		--		*		*	*	*	*		*	*			
MW-19		--		*		*	*	*	*		*	*			
MW-21A		73		*		*	*	*	*		*	*			
MW-21B		99		*		*	*	*	*	DUP 4	*	*			
MW-21C	120	124		*		*	*	*	*		*	*	✓		
MW-22B		91.5		*		*	*	*	*		*	*	✓		
MW-22C	134	139		*		*	*	*	*		*	*	✓		
MW-23B		88.5		*		*	*	*	*		*	*	✓		
MW-23C	121	125		*		*	*	*	*		*	*	✓		
MW-24A	62.5	67.5		*		*	*	*	*		*	*			
MW-24B	97	100.5		*		*	*	*	*		*	*			
MW-24C	116	121		*		*	*	*	*		*	*			
MW-25B		90		*		*	*	*	*	DUP5	*	*			
MW-25C	150	154		*		*	*	*	*		*	*	✓		
MW-26D		188		*		*	*	*	*		*	*			
MW-27D		223		*		*	*	*	*		*	*			
PCP-4		69		*		*	*	*	*		*	*			
TOTALS				20		28		50		48		5		25	7

Has rted cable but n weight to be reatha e

Concrete PDB of well is cracked

well box is 20ca. Needs replaced

Notes
 ft bgs - feet below ground surface
 All samples will be analyzed by US EPA Method 8260B.
 Level II Data Package

GROUNDWATER GAUGING FORM

JOB NAME: Lodi Central Plume - Q1 2009

JOB NUMBER: 3923.16

IP#: _____
MEASURED TO TOC OR GRADE? TOC

DATE: 7/2008 3/4/4
Name: C. Strong

WELL I.D.	Depth to Bottom (Feet)	Well Diameter (Inches)	Depth to Water (Feet)	Depth to Product (Feet)	Product Thickness (Feet)	CALC. 80% RECHG	COMMENTS Please note if well needs repair.
G-04	NM	2	50.66	NA	NA	NA	2/3 bolts present + b.t.L stripped
G-05		2	52.16				1 bolt missing
G-06		2	52.17				1 bolt stripped
G-07		2	51.73				2/3 bolts. No lid gasket. Well box floods.
G-08		2	52.14				Need to fill well and add gravel into well box
G-10		2	52.25				Needs steel harness. String still in well. Bolt used as weight *
G-11		2	53.20				2 bolts missing
G-12		2	53.59				—
G-13		2	54.83				—
G-14A		4	50.21				3 stripped bolts
G-14B		2	51.15				Bolt stripped
G-14C		4	51.92				1 bolt missing. Other stripped
G-15A		2	52.66				—
G-16A		2	53.25				Weight almost came off harness. Reconnected w/ zip ties. Needs to be repaired
G-16B		2	54.00				3 stripped bolts
G-16C		2	54.21				—
G-17A		2	55.47				2 bolts missing
G-18A		2	53.83				2 bolts missing
G-18B		4	54.17				1 bolt missing. Other stripped * Needs steel harness. String still in well
G-18C		4	54.07				—
G-19A		2	52.60				—
G-24A	↓	2	53.60	↓	↓	↓	—

GW Gauging Form.xls

NM - not measured
NA - not applicable

* pg. 1 of 3

GROUNDWATER GAUGING FORM

JOB NAME: Lodi Central Plume

JOB NUMBER 3923.16

IP#: _____
MEASURED TO TOC OR GRADE? TOC

DATE: 1/2008 3/17/09
Name: C. Strong

WELL I.D.	Depth to Bottom (Feet)	Well Diameter (Inches)	Depth to Water (Feet)	Depth to Product (Feet)	Product Thickness (Feet)	CALC. 80% RECHG.	COMMENTS Please note if well needs repair.
G-24B	NM	4	54.32	NA	NA	NA	well box is loose. Concrete apron is cracked.
G-25A		2	56.54				well lid missing Needs new well box.
G-25B		4	56.68				—
G-25C		4	57.05				Needs steel harness. string still in well
MW-06		4	53.56				Pump + tubing in well
MW-06		2	50.03				—
MW-09		4	50.75				Still needs 4" plastic disk Bolts stripped
MW-12		4	54.73				bolts stripped
MW-13		2	59.35				—
MW-15		2	56.33				1 bolt stripped
MW-17		2	61.87				2 bolts stripped
MW-18		2	58.71				—
MW-19		4	62.77				Fixed cap. put remainder thru small hole in well cap
MW-21A		2	60.89				bolts stripped
MW-21B		2	60.79				bolts stripped
MW-21C		2	60.71				bolts stripped Needs to steel harness + heavier ^{weight}
MW-22B		2	58.76				—
MW-22C		2	58.76				bolts stripped. Needs well lid gasket. Needs steel harness
MW-23B		2	62.58				} 2 bolts stripped MW-23C needs steel harness
MW-23C		2	62.44				
MW-24A		2	60.77				} MW-24 well box is loose. Needs replaced
MW-24B	✓	2	60.30	✓	✓	✓	

GW Gauging Form.xls
NM - not measured
NA - not applicable

From: Haeck, Gary
Sent: Monday, June 08, 2009 4:02 PM
To: cboyer@lodi.gov
Subject: Stantec M&S issue, deployment of PDBs
Greetings Chris, This is to follow up on our discussion and document the agreed up approach.

Based on the attached information provided by Chris Strong at WGR, passive diffusion bag (PDB) samplers were not deployed at wells G-05, G-11, G-13, and MW-25B as required during 1st quarter 2009 sampling to allow sampling during our 2nd quarter 09 sampling event per the RWQCB MRP (attached). The PDBs must be deployed a minimum of two weeks prior to sample collection. We are quickly making arrangements to procure and deploy these PDBs tomorrow in these wells, to facilitate sampling of all wells required by the MRP for the second quarter. We will re-schedule the sampling currently scheduled for Wednesday and Thursday 6-17-09 and 6-18-09 to the following week to have the minimum 2 week period prior to sampling. We are currently re-scheduling the sampling for Wednesday and Thursday, 6-24 & 6-25-09. Per our discussion, we will include these charges on the well maintenance task that we discussed setting up for the City.

Stantec will perform the following out of scope work:

1. Arrange for one time procurement of PDBs and the related required equipment and supplies;
2. Arrange for and obtain the required ASTM type I deionized water for filling the PDBs,
3. Fast track creation of site specific Health and Safety Plan,
4. Mobilize to the site and deploy the PDBs in wells G-05, G-11, G-13, and MW-25B at the required depths, and
5. Related *coordination*, scheduling, and management labor.

hope this is appropriate documentation for your purposes.

Thanks Gary

Gary D. Haeck, Ph.D., P.G.
 Managing Senior Geologist
 Stantec
 3017 Kilgore Road Suite 100
 Rancho Cordova CA 95670
 Ph: (916) 384-0768
 Fax: (916) 861-0430
 Cell: (530) 400-0362
 Gary.Haeck@Stantec.com
stantec.com

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DRAFT TASK ORDER NUMBER 2

Task Order No. 2

City of Lodi

**Well Maintenance and On-Call Environmental Services
Central Plume- Groundwater Monitoring/Reporting Services Project**

Stantec Consulting Corporation Job No. 185702079

In accordance with the *Master Professional Services Agreement, Engineering Support Services for the City of Lodi* between the City of Lodi (Client) and Stantec Consulting Corporation (Consultant), approved by the City Council on June 17, 2009, Consultant is authorized to complete the work scope defined in the Task Order according to the schedule and budget defined herein. The mutually agreeable terms and conditions for the above referenced agreement shall prevail.

WORK SCOPE

At the request of the Client, well maintenance and on-call environmental services related to the Central Plume - Groundwater Monitoring/Reporting Services Project will be performed by the Consultant. The scope is detailed in the attached *Request for Task Order Number 2 Well Maintenance and On-Call Environmental Services, Groundwater Monitoring/Reporting Services Project* dated June 22, 2009.

BUDGET

The costs for Consultants services as defined herein shall not exceed \$19,000.

COMPENSATION

Compensation shall be in accordance with the provisions of the *Master Professional Services Agreement* between Client and Consultant and the billing rate schedule contained in the attached letter proposal.

SCHEDULE

The work will be completed in accordance with a mutually agreeable schedule **based on** the Clients needs, the Consultants availability, and as requested by the Client.

Task Order No. 2

City of Lodi

Well Maintenance and On-Call Environmental Services
Central Plume - Groundwater Monitoring/Reporting Services Project

Stantec Consulting Corporation Job No. 185702079

STANTEC CONSULTING CORP



Signature

James W. Grasty, P.G.
Printed Name

Managing Principal Geologist
Title

7/28/09
Date

CITY OF LODI



Signature

Blair King
Printed Name

City Manager
Title

8/5/09
Date

ATTEST:


RANDI JUHL
City Clerk

APPROVED AS TO FORM:



D. STEPHEN SCHWABAUER
City Attorney

**CITY OF LODI
2009 BILLING RATE SCHEDULE**

**CITY OF LODI
 STANTEC 2009 RATE SCHEDULE
 ENVIRONMENTAL PRACTICE AREA**



**STANTEC 2009 SCHEDULE OF HOURLY RATES AND DISBURSEMENTS
 (Page 1 of 3)**

Charges for all professional, technical, and administrative **staff** directly *charging* time to the project will be calculated and billed on the basis of **the** following schedule.

LEVEL	HRLY RATE	DESCRIPTION
1 2 3	\$46 \$52 \$58	Generally Not applicable to the Southern California Market <ul style="list-style-type: none"> • May on occasion be appropriate for intern and clerical support.
4 5 6	\$65 \$72 \$79	Clerical, Interns, & Field/Lab Techs <ul style="list-style-type: none"> • Assists Office Administrators, Engineers, Designers, and field staff with clerical and routine entry level tasks.
7 8 9	\$86 \$94 \$102	Junior-level position, Administrative, <ul style="list-style-type: none"> • Independently carries out assignments of limited scope using standard procedures, methods and techniques • Assists senior staff in carrying out more advanced procedures • Completed work is reviewed for feasibility and soundness of judgment • Recent graduate from an appropriate post-secondary program or equivalent.
10 11 12	\$112 \$122 \$133	Professional level positions <ul style="list-style-type: none"> • Carries out assignments requiring general familiarity within a broad field of the respective profession • Makes decisions by using a combination of standard methods and techniques • Actively participates in planning to ensure the achievement of objectives • Works independently to interpret information and resolve difficulties • Provides applied professional knowledge and initiative in planning and coordinating work programs
13 14 15	\$146 \$157 \$168	Highly-specialized technical professional or projects supervisor <ul style="list-style-type: none"> • Provides multidiscipline knowledge to deliver innovative solutions in related field of expertise • Participates in short and long range planning to ensure the achievement of objectives • Makes responsible decisions on all matters, including work methods, and financial controls associated with projects • Decisions accepted as technically accurate • Reviews and evaluates technical work
16 17	\$181 \$210	Senior level consultant or management function <ul style="list-style-type: none"> • Recognized as an authority in a specific field with qualifications of significant value • Provides multidiscipline knowledge to deliver innovative solutions in related field of expertise • Independently conceives programs and problems for investigation • Participates in discussions to ensure the achievement of program and/or project objectives • Makes responsible decisions on expenditures, including large sums or implementation of major programs and/or projects
18 19	\$247 \$347	Senior level management position <ul style="list-style-type: none"> • Recognized as an authority in a specific field with qualifications of significant value • Responsible for long range planning within a specific area of practice or region • Makes decisions which are far reaching and limited only by objectives and policies of the organization • Plans/approves projects requiring significant human resources or capital investment • Graduate from an appropriate post-secondary program, with credentials or equivalent • Generally, fifteen years experience with extensive professional and management experience



STANTEC 2009 SCHEDULE OF HOURLY RATES AND DISBURSEMENTS
 (Page 2 of 3)

Other Direct Disbursements:

Disbursement	Rate
Vehicle Mileage	Prevailing IRS Rate
Subcontract Services	Actual Cost +10%
Travel/Per Diem	Actual Cost +10%
Per Diem	\$ 150/day
Capital Purchases and Expendable Materials	Actual Cost +10%
Postage and Shipping	Actual Cost +10%
Standard Field Equipment	(See Attached Schedule)

Standard Field Equipment:

Standard Field Equipment	Rate
Air Sampling Equipment	\$45/day
Bailer – Disposable	\$10/each
Bailer – Disposable Weighted	\$15/day
Bailer – Quick E-Bailer System	\$25/day
Bailer – Reusable	\$20/day
Drum – 55 Gallons	\$55/each
Digital Camera	\$25/day
Draeger Sampler (Tubes not included)	\$30/day
Field Communication – Phone	\$10/day
Field Communication – Two-Way Radio	\$20/day
Field Computer	\$25/day
Field Survey – Receptor Survey	\$85/hour
Field Survey - Scope/Proposal Preparation	\$100/each
Field Survey – Site Survey	\$85/hour
Field Survey – Well Search	\$85/hour
Field Test Kit – Groundwater	\$55/each
Field Test Kit – Soil	\$55/each
Field Test Kit – SVE	\$55/each
Field Vehicle – Mileage	Prevailing IRS rate
Field Vehicle	\$100/day
Field Vehicle – Sampling Truck	\$175/day
Field Vehicle – Truck/Van	\$130/day
Flame Ionization Detector (FID)	\$130/day
Generator	\$60/day
Gloves – Colored Cloth	\$5/pair
Gloves – Colored Leather	\$15/pair
Gloves – Colored Nitrile	\$0.15/pair
Gloves – Kevlar Under Glove	\$2.50/pair
H&S – Level B Safety Equipment	\$165/day
H&S – Level C Safety Equipment	\$85/day
H&S – Level D Safety Equipment	\$50/day
H&S – Traffic Control Equipment	\$55/day
Hand Auger	\$30/day
Large Equipment & System – Caterpillar D4 Bulldozer	\$250/day
Large Equipment & Systems – Dual Phase Extraction Treatment (DPET)	\$200/day
Large Equipment & Systems – Soil Vapor Extraction System	\$100/day
Low Flow Purge/Sampling System	\$80/day
Meter – Oil/Water Interface	\$55/day
Meter – Anemometer	\$25/day
Meter - CO	\$65/day
Meter – Conductivity	\$25/day
Meter – Data Logger	\$140/day
Meter – Dissolved Oxygen	\$65/day
Meter – DO/ORP/Temp/Conductivity	\$100/day
Meter – Dosimeter	\$45/day
Meter – Ferrous Iron	\$5/day

**CITY OF LODI
 STANTEC 2009 RATE SCHEDULE
 ENVIRONMENTAL PRACTICE AREA**



Stantec

**STANTEC 2009 SCHEDULE OF HOURLY RATES AND DISBURSEMENTS
 (Page 3 of 3)**

Standard Field Equipment (continued):

Standard Field Equipment	Rate
Meter – Flow	\$5/day
Meter – H2S Detector	\$65/day
Meter – LEL/O2	\$65/day
Meter – Magnehelic (Gauge)	\$55/day
Meter – Magnetometer	\$50/day
Meter – Manometer	\$25/day
Meter – Measuring Wheel	\$25/day
Meter – Metal Detector	\$15/day
Meter – Multimeter	\$100/day
Meter – O2/CO2	\$65/day
Meter – ORP	\$65/day
Meter – Other	quote/day
Meter – Ozone	\$55/day
Meter – pH	\$25/day
Meter – pH/Temp/Conductivity	\$25/day
Meter – Temperature	\$25/day
Meter – Turbidity	\$30/day
Meter – Dust Monitor	\$120/day
Meter – Velocity	\$25/day
Meter – Water Level Indicator	\$25/day
Photoionization Detector (PID)	\$110/day
Pressure Washer	\$25/day
Pump – Air Sampling	\$45/day
Pump – Centrifugal	\$45/day
Pump – Groundwater Sampling	\$110/day
Pump – Peristaltic	\$50/day
Pump – Submersible	\$60/day
Pump - Trash	\$35/day
Pump – Vacuum Pump	\$45/day
Pump – Whale Sampling	\$25/day
Pump – Well Sampling/Purge	\$45/day
Reproduction – 11x17 Color Plot./Print/Copy	\$2/copy
Reproduction – 24x36 Color Plot/Print	\$10/copy
Reproduction – 8.5x11 B&W Copies	\$0.15/copy
Reproduction – 8.5x11 Color Copies	\$1.25/copy
Reproduction – Oversized B&W Plot/Print	\$10/copy
Reproduction – Oversized Color Plot. Print	\$15/copy
Soil Sample Ring/Sleeve	\$10/each
Survey Equipment – GPS	\$30/day
Survey Equipment – Laser Plane Level & Receiver	\$135/day
Survey Equipment – GPS Survey Quality	\$150/day
Survey Equipment – Level Only	\$85/day
Transducer	\$30/each
Tedlar Bag	\$15/each

DRAFT TASK ORDER NUMBER 3

Task Order No. 3

City of Lodi

Groundwater Monitoring and Reporting Services Project

Stantec Consulting Corporation Job No. 185702079

In accordance with the *Master Professional Services Agreement, Engineering Support Services for the City of Lodi* between the City of Lodi (Client) and Stantec Consulting Corporation (Consultant), approved by the City Council on June 17, 2009, Consultant is authorized to complete the work scope defined in the Task Order according to the schedule and budget defined herein. The mutually agreeable terms and conditions for the above referenced agreement shall prevail.

WORK SCOPE

At the request of the Client, environmental services associated with the Central Plume - Groundwater Monitoring and Reporting Services Project will be performed by the Consultant. The scope is detailed in the attached *Request for Task Order Number 3, Groundwater Monitoring and Reporting Services Project* dated March 8, 2010.

BUDGET

The costs for Consultants services as defined herein shall not exceed \$15,000.

COMPENSATION

Compensation shall be in accordance with the provisions of the *Master Professional Services Agreement* between Client and Consultant and the billing rate schedule contained in the attached letter proposal.

SCHEDULE

The work will be completed in accordance with a mutually agreeable schedule based on the Clients needs, the Consultants availability, and as requested by the Client.

Task Order No. 3

City of Lodi

Groundwater Monitoring and Reporting Services Project

Stantec Consulting Corporation Job No. 185702079

STANTEC CONSULTING CORP


Signature

James W. Grasty, P.G.
Printed Name

Managing Principal Geologist
Title

3/11/10
Date

CITY OF LODI

Signature

Blair King
Printed Name

City Manager
Title

Date

ATTEST:

RANDI JOHL
City Clerk

APPROVED AS TO FORM:

D. STEPHEN SCHWABAUER
City Attorney





Stantec

Stantec Consulting Corporation
3017 Kilgore Road Suite 100
Rancho Cordova CA 95670
Tel: (916)861-0400
Fax: (916)861-0430

April 9, 2010
File: 185799000

Mr. F. Wally Sandelin
Director of Public Works
221 West Pine Street; P.O. Box 3006
Lodi, California 95241-1910

Dear Mr. Sandelin:

**Reference: Request for Task Order Number 5
Value Engineering Services for the
Central Plume PCE/TCE Interim Remedial Measures (IRM)
Improvements Project**
221 West Pine Street
Lodi, California 95240

At the request of the City of Lodi (the City), Stantec Consulting Corporation (Stantec) is pleased to submit this request for Task Order Number 5 to provide value engineering services to the City on the above-cited project. The objective of these services will be to provide third-party technical review of project-related documents as well as project oversight to facilitate achieving technically sound IRMs that provide the maximum value to the City. The work to be completed under Task Order Number 5 will be performed in accordance with the terms and conditions of the existing *Master Professional Services Agreement, Engineering Support Services for the City of Lodi* approved by the City Council on June 17, 2009.

BACKGROUND

The City issued the *Central Plume PCE/TCE Interim Remedial Measures Improvements Project, Request For Proposals* on January 11, 2010 to nine pre-qualified firms. The project was awarded to Diede Construction of Lodi, California at the March 17, 2010 City Council Meeting.

Stantec currently provides ongoing environmental consulting services associated with the Lodi Central Plume project to facilitate compliance with California Regional Water Quality Control Board (RWQCB) requirements. Stantec has also recently provided consulting services to the City on the Northern California Power Authority (NCPA)/City of Lodi proposed Lodi Energy Center (LEC) project. These services assisted the City in completing California Energy Commission (CEC) and California Department of Toxic Substances Control (DTSC) environmental requirements for the LEC project.

Following discussions with the City on the Central Plume IRM project, the City requested that Stantec submit this proposal to provide ongoing value engineering services to the City during construction and operation phases of the above-cited project.

Stantec

April 9, 2010
Mr. F Wally Sandelin
Page 2 of 3

Reference: Request for Task Order Number 5, Value Engineering Services, Central Plume PCE/TCE Interim Remedial Measures (IRM) Improvements Project, Lodi, California

SCOPE OF WORK

Stantec will perform the following scope of work under this task order to provide value engineering services as requested by the City:

TASK 1 – DESIGN REVIEW

Stantec will conduct third party technical reviews of project design documents submitted to the City by Diede Construction as requested. The reviews will focus on best engineering practices, compliance with contract documents, system performance, cost effectiveness, and permit compliance.

TASK 2 – SUBMITTAL REVIEW

Stantec will provide third party reviews of various project submittals by Diede Construction as requested by the City. The reviews will focus on achieving submittals that are in compliance with agency requirements and objectives for the remedial system in a cost effective manner.

TASK 3 – OPERATIONS AND MAINTENANCE (O&M) MANUAL REVIEW

An operations manual will be generated by Diede Construction that provides instructions for the operation and ongoing maintenance of the various remedial system components. Stantec will review the manual and manufacturer's documentation of individual system components for consistency and compliance with engineering best practices and to ensure the system is being operated in a cost effective manner.

TASK 4 – MONITORING DATA REVIEW

Stantec will provide review of remedial system monitoring data collected during start up and ongoing O&M activities. These data include but are not limited to influent and effluent vapor sample results collected from the soil vapor extraction system, influent and discharge groundwater sample results for the groundwater treatment system, and O&M data for both systems. The data will be reviewed for permit compliance, system efficiency, and information suggesting system adjustments or modifications may be appropriate to speed up remediation and therefore reduce overall system operational costs.

TASK 5 – OPERATIONS OVERSIGHT

Stantec will provide operations oversight during the construction and the operational phases of the project. The oversight will emphasize technically sound and cost-effective construction and operational best practices as well as health and safety and liability issues.

TASK 6 – PROJECT MANAGEMENT AND MEETINGS

This task includes labor costs associated with normal project management responsibilities for an assumed project duration of approximately one and one half years. These consist of budget tracking, invoicing, scheduling, communications with the client, Diede Construction, and related project meetings as requested by the City.

Stantec

April 9, 2010
Mr. F Wally Sandelin
Page 3 of 3

Reference: Request for Task Order Number 5, Value Engineering Services, Central Plume PCE/TCE Interim Remedial Measures (IRM) Improvements Project, Lodi, California

FEE AND SCHEDULE

Stantec requests a time-and-materials budget of \$49,870 for the proposed scope of services listed above and the work completed to date. This estimated budget will not be exceeded without written permission from the City. An itemized estimated budget by task is attached along with costing assumptions. Should additional services be required that cannot be completed within the proposed budget, a change order will be requested. A draft copy of Task Order Number 5 based on the format of previous task orders is included for the City's convenience. Labor, equipment, and subcontractors fees will be charged in accordance with the attached 2010 rate sheet. The work will be completed in accordance with the terms and conditions of the existing *Master Professional Services Agreement, Engineering Support Services for the City of Lodi* approved by the City Council on June 17, 2009. Stantec is prepared to start work upon receipt of a signed and executed task order from the City.

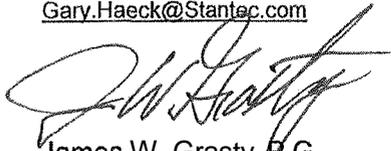
Should you have any questions or concerns regarding this task order request or cost estimate, please feel free to contact me.

Sincerely,

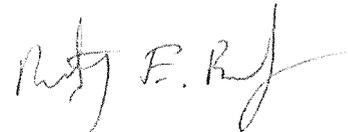
STANTEC CONSULTING CORPORATION



Gary D. Haeck, Ph.D., P.G.
Managing Senior Geologist
Tel: (916) 384-0768
Fax: (916) 861-0430
Gary.Haeck@Stantec.com



James W. Grasty, P.G.
Managing Principal Geologist
Regional Manager



Rusty Benkosky, P.E.
Managing Principal Engineer
Tel: (916) 384-0750
Fax: (916) 861-0430
Rusty.Benkosky@Stantec.com

Attachments: Detailed Time and Materials Cost Estimate
Draft Task Order Number 5
2010 Billing Rate Schedule

DETAILED TIME AND MATERIALS COST ESTIMATE

Task Order Number 5
Value Engineering Services for the
Central Plume PCE/TCE Interim Remedial Measures Improvements Project
221 West Pine Street
Lodi, California 95240

CLASSIFICATION	UNITS	Design Review		Submittal Review		O&M Manual Review		Monitoring Data Review		Operations Oversight		PM and Meetings		TOTAL COST		
		Units	Dollars	Units	Dollars	Units	Dollars	Units	Dollars	Units	Dollars	Units	Dollars	Units	Dollars	
LABOR ALLOCATION																
STANTEC LABOR																
Principal - Level 16	hour	\$181	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0		
Senior - Level 15	hour	\$170	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0		
Senior - Level 14	hour	\$159	20	\$3,180	10	\$1,590	10	\$1,590	10	\$1,590	15	\$2,385	25	\$3,975	90	\$14,310
Associate - Level 13	hour	\$148	20	\$2,960	20	\$2,960	20	\$2,960	5	\$740	0	\$0	20	\$2,960	85	\$12,680
Associate - Level 12	hour	\$135	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0
Associate - Level 11	hour	\$124	20	\$2,480	5	\$620	5	\$620	5	\$620	30	\$3,720	0	\$0	65	\$8,060
Project - Level 10	hour	\$113	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0
Project - Level 9	hour	\$104	30	\$3,120	20	\$2,080	25	\$2,600	15	\$1,560	30	\$3,120	0	\$0	120	\$12,480
Staff - Level 8	hour	\$96	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0
Staff - Level 7	hour	\$88	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0
Staff - Level 6	hour	\$80	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0
Tech/Admin - Level 5	hour	\$73	5	\$365	5	\$365	5	\$365	5	\$365	5	\$365	5	\$365	30	\$2,190
Tech/Admin - Level 4	hour	\$66	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0
Tech/Admin - Level 3	hour	\$59	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0
Tech/Admin - Level 2	hour	\$53	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0
Tech/Admin - Level 1	hour	\$47	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0
TOTAL LABOR ALLOCATION				\$12,105		\$7,615		\$8,135		\$4,875		\$9,590		\$7,300	390	\$49,620
EXPENSES ALLOCATION																
STANTEC EQUIPMENT																
Field Vehicle	day	\$100	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0
Level D Safety Equipment	day	\$40	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0
Sampling Equipment (including ladders)	day	\$25	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0
Air Sampling Pump	Each	\$25	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0
SUBTOTAL EQUIPMENT COSTS				\$0		\$0		\$0		\$0		\$0		\$0		\$0
REBILLABLES																
Shipping/Postage	each	\$25	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0
Air Fare (RT - SMF/SEA)	each	\$450	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0
Lodging (Fed Rate \$156)	night	\$140	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0
Rental Car (Fed Rate)	day	\$65	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0
Per Diem (Fed Rate)	night	\$40	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0
Mileage	each	\$0.500	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	500	\$250	500	\$250
SUBTOTAL REBILLABLES				\$0		\$0		\$0		\$0		\$0		\$250		\$250
TOTAL EXPENSE ALLOCATION	Markup	10%		\$0		\$0		\$0		\$0		\$0		\$250		\$250
SUBCONSULTANT ALLOCATION																
Laboratory analysis			0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0
TOTAL SUBCONSULTANT ALLOCATION	Markup	10%		\$0		\$0		\$0		\$0		\$0		\$0		\$0
TOTAL COSTS				\$12,105		\$7,615		\$8,135		\$4,875		\$9,690		\$7,550		\$49,870

DRAFT TASK ORDER NUMBER 5

Task Order No. 5

City of Lodi

**Value Engineering Services for the
Central Plume PCE/TCE Interim Remedial Measures (IRM)
Improvements Project
221 West Pine Street
Lodi, California**

Stantec Consulting Corporation Job No. To Be Determined

In accordance with the *Master Professional Services Agreement, Engineering Support Services for the City of Lodi* between the City of Lodi (Client) and Stantec Consulting Corporation (Consultant), approved by the City Council on June 17, 2009, Consultant is authorized to complete the work scope defined in the Task Order according to the schedule and budget defined herein. The mutually agreeable terms and conditions for the above referenced agreement shall prevail.

WORK SCOPE

At the request of the Client, value engineering services associated with the above-cited project will be performed by the Consultant. The scope is detailed in the attached *Request for Task Order Number 5, Value Engineering Services for the Central Plume PCE/TCE Interim Remedial Measures Improvements Project Lodi, California* dated April 9, 2010.

BUDGET

The costs for Consultants services as defined herein shall not exceed \$49,870.

COMPENSATION

Compensation shall be in accordance with the provisions of the *Master Professional Services Agreement* between Client and Consultant and the billing rate schedule contained in the attached letter proposal.

SCHEDULE

The work will be completed in accordance with a mutually agreeable schedule based on the Clients needs, the Consultants availability, and as requested by the Client.

Task Order No. 5

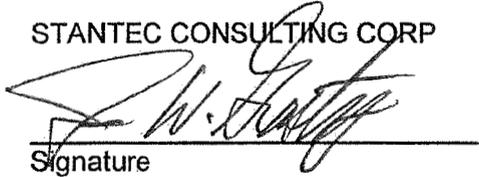
City of Lodi

Value Engineering Services for the
Central Plume PCE/TCE Interim Remedial Measures (IRM)
Improvements Project
221 West Pine Street
Lodi, California

Stantec Consulting Corporation Job No. Po Be Determined

STANTEC CONSULTING CORP

CITY OF LODI


Signature

Signature

James W. Grasty, P.G.
Printed Name

Blair Kina
Printed Name

Managing Principal Geologist
Title

City Manager
Title

4/9/10
Date

Date

ATTEST:

RANDI JOHL
City Clerk

APPROVED AS TO FORM:

D. STEPHEN SCHWABAUER
City-Attorney


**CITY OF LODI
2010 BILLING RATE SCHEDULE**

**STANTEC 2010 RATE SCHEDULE
ENVIRONMENTAL PRACTICE AREA**



**STANTEC 2010 SCHEDULE OF HOURLY RATES AND DISBURSEMENTS
(Page 1 of 3)**

Charges for all professional, technical, and administrative staff directly charging time to the project will be calculated and billed on the basis of the following schedule.

LEVEL	HRLY RATE	DESCRIPTION
1 2 3	\$47 \$53 \$59	Generally Not applicable to the Southern California Market <ul style="list-style-type: none"> • May on occasion be appropriate for intern and clerical support.
4 5 6	\$66 \$73 \$80	Clerical, Interns, & Field/Lab Techs <ul style="list-style-type: none"> • Assists Office Administrators, Engineers, Designers, and field staff with clerical and routine entry level tasks.
7 8 9	\$88 \$96 \$104	Junior-level position, Administrative, <ul style="list-style-type: none"> • Independently carries out assignments of limited scope using standard procedures, methods and techniques • Assists senior staff in carrying out more advanced procedures • Completed work is reviewed for feasibility and soundness of judgment • Recent graduate from an appropriate post-secondary program or equivalent.
10 11 12	\$113 \$124 \$135	Professional level positions <ul style="list-style-type: none"> • Carries out assignments requiring general familiarity within a broad field of the respective profession • Makes decisions by using a combination of standard methods and techniques • Actively participates in planning to ensure the achievement of objectives • Works independently to interpret information and resolve difficulties • Provides applied professional knowledge and initiative in planning and coordinating work programs
13 14 15	\$148 \$159 \$170	Highly-specialized technical professional or project supervisor <ul style="list-style-type: none"> • Provides multidiscipline knowledge to deliver innovative solutions in related field of expertise • Participates in short and long range planning to ensure the achievement of objectives • Makes responsible decisions on all matters, including work methods, and financial controls associated with projects • Decisions accepted as technically accurate • Reviews and evaluates technical work
16 17	\$181 \$210	Senior level consultant or management function <ul style="list-style-type: none"> • Recognized as an authority in a specific field with qualifications of significant value • Provides multidiscipline knowledge to deliver innovative solutions in related field of expertise • Independently conceives programs and problems for investigation • Participates in discussions to ensure the achievement of program and/or project objectives • Makes responsible decisions on expenditures, including large sums or implementation of major programs and/or projects
18 19	\$247 \$347	Senior level management position <ul style="list-style-type: none"> • Recognized as an authority in a specific field with qualifications of significant value • Responsible for long range planning within a specific area of practice or region • Makes decisions which are far reaching and limited only by objectives and policies of the organization • Plans/approves projects requiring significant human resources or capital investment • Graduate from an appropriate post-secondary program, with credentials or equivalent • Generally, fifteen years experience with extensive professional and management experience



**STANTEC 2010 SCHEDULE OF HOURLY RATES AND DISBURSEMENTS
(Page 2 of 3)**

Other Direct Disbursements:

Disbursement	Rate
Vehicle Mileage	Prevailing IRS Rate
Subcontract Services	Actual Cost + 10%
Travel/Per Diem	Actual Cost + 10%
Per Diem	\$ 150/day
Capital Purchases and Expendable Materials	Actual Cost + 10%
Postage and Shipping	Actual Cost + 10%
Standard Field Equipment	(See Attached Schedule)

Standard Field Equipment:

Standard Field Equipment	Rate
Air Sampling Equipment	\$45/day
Bailer – Disposable	\$10/each
Bailer – Disposable Weighted	\$15/each
Bailer – Quick E-Bailer System	\$25/day
Bailer – Reusable	\$20/day
Drum – 55 Gallons	\$55/each
Digital Camera	\$25/day
Draeger Sampler (Tubes not included)	\$30/day
Field Communication – Phone	\$10/day
Field Communication – Two-Way Radio	\$20/day
Field Computer	\$25/day
Field Survey – Receptor Survey	\$85/hour
Field Survey – Scope/Proposal Preparation	\$100/each
Field Survey – Site Survey	\$85/hour
Field Survey – Well Search	\$85/hour
Field Test Kit – Groundwater	\$55/each
Field Test Kit – Soil	\$55/each
Field Test Kit – SVE	\$55/each
Field Vehicle – Mileage	Prevailing IRS rate
Field Vehicle	\$100/day
Field Vehicle – Sampling Truck	\$175/day
Field Vehicle – Truck/Van	\$130/day
Flame Ionization Detector (FID)	\$130/day
Generator	\$60/day
Gloves – Colored Cloth	\$5/pair
Gloves – Colored Leather	\$15/pair
Gloves – Colored Nitrile	\$0.15/pair
Gloves – Kevlar Under Glove	\$2.50/pair
H&S – Level B Safety Equipment	\$165/day
H&S – Level C Safety Equipment	\$85/day
H&S – Level D Safety Equipment	\$50/day
H&S – Traffic Control Equipment	\$55/day
Hand Auger	\$30/day
Large Equipment & System – Caterpillar D4 Bulldozer	\$250/day
Large Equipment & Systems – Dual Phase Extraction Treatment (DPET)	\$200/day
Large Equipment & Systems – Soil Vapor Extraction System	\$100/day
Low Flow Purge/Sampling System	\$80/day
Meter – Oil/Water Interface	\$55/day
Meter – Anemometer	\$25/day
Meter – CO	\$65/day
Meter – Conductivity	\$25/day
Meter – Data Logger	\$140/day
Meter – Dissolved Oxygen	\$65/day
Meter – DO/ORP/Temp/Conductivity	\$100/day
Meter – Dosimeter	\$45/day
Meter – Ferrous Iron	\$5/day



**STANTEC 2010 SCHEDULE OF HOURLY RATES AND DISBURSEMENTS
(Page 3 of 3)**

Standard Field Equipment (continued):

Standard Field Equipment	Rate
Meter – Flow	\$5/day
Meter – H2S Detector	\$65/day
Meter – LEL/O2	\$65/day
Meter – Magnehelic (Gauge)	\$55/day
Meter – Magnetometer	\$50/day
Meter – Manometer	\$25/day
Meter – Measuring Wheel	\$25/day
Meter – Metal Detector	\$15/day
Meter – Multimeter	\$100/day
Meter – O2/CO2	\$65/day
Meter – ORP	\$65/day
Meter – Other	quote/day
Meter – Ozone	\$55/day
Meter – pH	\$25/day
Meter – pH/Temp/Conductivity	\$25/day
Meter – Temperature	\$25/day
Meter – Turbidity	\$30/day
Meter – Dust Monitor	\$120/day
Meter – Velocity	\$25/day
Meter – Water Level Indicator	\$25/day
Photoionization Detector (PID)	\$110/day
Pressure Washer	\$25/day
Pump – Air Sampling	\$45/day
Pump – Centrifugal	\$45/day
Pump – Groundwater Sampling	\$110/day
Pump – Peristaltic	\$50/day
Pump – Submersible	\$60/day
Pump - Trash	\$35/day
Pump – Vacuum Pump	\$45/day
Pump – Well Sampling	\$25/day
Pump – Well Sampling/Purge	\$45/day
Reproduction – 11x17 Color Plot./Print/Copy	\$2/copy
Reproduction – 24x36 Color Plot/Print	\$10/copy
Reproduction – 8.5x11 B&W Copies	\$0.15/copy
Reproduction – 8.5x11 Color Copies	\$1.25/copy
Reproduction – Oversized B&W Plot/Print	\$10/copy
Reproduction – Oversized Color Plot. Print	\$15/copy
Soil Sample Ring/Sleeve	\$10/each
Survey Equipment – GPS	\$30/day
Survey Equipment – Laser Plane Level & Receiver	\$135/day
Survey Equipment – GPS Survey Quality	\$150/day
Survey Equipment – Level Only	\$85/day
Transducer	\$30/each
Tedlar Bag	\$15/each

RESOLUTION NO. 2010-47

A RESOLUTION OF THE LODI CITY COUNCIL AUTHORIZING
CITY MANAGER TO EXECUTE TASK ORDER NOS. 3 AND 5
OF THE CITY OF LODI SOIL AND GROUNDWATER
REMEDIATION PROJECTS

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WHEREAS, on May 6, 2009, City Council approved a professional services agreement with Stantec Consulting Corporation (Stantec) for groundwater monitoring and reporting services for the Central Plume; and

WHEREAS, a Master Professional Services Agreement was approved by City Council on June 17, 2009. At that time, Task Order No. 1 was approved for professional services related to the characterization and cleanup of the Lodi Energy Center site; Task Order No. 2 was approved by City Council in August 2009 for monitoring well maintenance and related services; and Task Order No. 4 was issued for services provided to Lodi Electric Utility Department for transformer investigations; and

WHEREAS, Task Order No. 3 includes additional groundwater monitoring and monitoring well maintenance services beyond those included in previously-approved contracts at a cost of \$15,000; and

WHEREAS, Task Order No. 5 will provide value engineering services related to the Central Plume PCE Cleanup Project at a cost of \$50,000; and

WHEREAS, Stantec has provided very similar services to a number of clients in the northern California area and has been providing related services to the City for the past year with excellent results.

NOW, THEREFORE, BE IT RESOLVED that the Lodi City Council does hereby authorize the City Manager to execute Task Order Nos. 3 and 5 of the City of Lodi Soil and Groundwater Remediation Projects with Stantec Consulting Corporation, of Rancho Cordova, California, for groundwater monitoring services and value engineering services in the amount of \$65,000.

Dated: April 21, 2010

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I hereby certify that Resolution No. 2010-47 was passed and adopted by the City Council of the City of Lodi in a regular meeting held April 21, 2010, by the following vote:

AYES: COUNCIL MEMBERS – Johnson, Mounce, and Mayor Katzakian

NOES: COUNCIL MEMBERS – None

ABSENT: COUNCIL MEMBERS – Hitchcock and Hansen

ABSTAIN: COUNCIL MEMBERS – None


RANDI JOHL
City Clerk