



CITY OF LODI COUNCIL COMMUNICATION

AGENDA TITLE: Adopt Resolution Authorizing City Manager to Execute Task Order No. 26 of the Master Professional Services Agreement for PCE/TCE Cleanup with Treadwell & Rollo, a Langan Company, of San Francisco (\$59,700) and Appropriating Funds (\$80,000)

MEETING DATE: November 20, 2013

PREPARED BY: Public Works Director

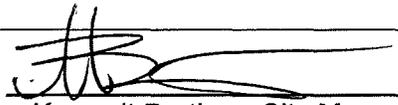
RECOMMENDED ACTION: Adopt resolution authorizing City Manager to execute Task Order No. 26 of the Master Professional Services Agreement for PCE/TCE Cleanup with Treadwell & Rollo, a Langan Company, of San Francisco, in the amount of \$59,700, and appropriating funds in the amount of \$80,000.

BACKGROUND INFORMATION: The City of Lodi is responsible for the cleanup and monitoring of volatile organic carbon compounds (primarily PCE/TCE) in the four areas referred to as the Central, Southern, Western and Northern Plumes. For three years, the City has been operating soil vapor extraction and groundwater extraction wells and treatment facilities in the block bounded by Pine Street, Church Street, Oak Street, and Pleasant Avenue. After discussions with Central Valley Regional Water Quality Control Board (Board) staff regarding the operations of these facilities, the City has been requested to submit a Work Plan for the phased closure of these facilities. In addition, the Work Plan will present a strategy to remediate the downgradient groundwater contamination that has moved beyond the Central Plume Source Area. We expect this will consist of one new groundwater extraction well with the pumped water being treated and disposed at the existing treatment site. The Work Plan will also identify the preferred location for a new groundwater monitoring well in the Northern Plume area.

Recently, Treadwell & Rollo performed an update to the Lodi Groundwater Model by adding new data for the Central Plume and historic and new data for the Southern, Western and Northern plumes. The model simulates the migration of the plumes under various City groundwater well field pumping scenarios. This model will be used to site the new Central Plume groundwater extraction well, as well as a new Northern Plume monitoring well. As with the Southern and Western plumes, we strive to demonstrate to the Board that monitoring natural attenuation is an appropriate action in the Northern Plume area.

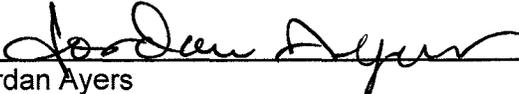
Task Order No. 26 will draw upon the expertise and experience of Treadwell & Rollo to develop the work plans for the shutdown of the Central Plume source area groundwater extraction and treatment system and soil vapor extraction system, the installation of a new Central Plume extraction well, and the evaluation of the extent of the Northern Plume. Task Order No. 26 is provided in Attachment A. Staff recommends approval and the appropriation of \$80,000.

FISCAL IMPACT: None.

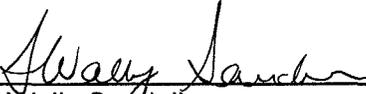
APPROVED: 
Konradt Bartlam, City Manager

Adopt Resolution Authorizing City Manager to Execute Task Order No. 26 of the Master Professional Services Agreement for PCE/TCE Cleanup with Treadwell & Rollo, a Langan Company, of San Francisco (\$59,700) and Appropriating Funds (\$80,000)
November 20, 2013
Page 2

FUNDING AVAILABLE: Requested Appropriation: PCE/TCE Rates (185) – \$80,000



Jordan Ayers
Deputy City Manager/Internal Services Director



F. Wally Sandelin
Public Works Director

FWS/pmf
Attachment



Technical Excellence
Practical Experience
Client Responsiveness

8 November 2013

Mr. Wally Sandelin
Director – City of Lodi Public Works Department
P.O. Box 3006
Lodi, CA 95241-1910

Subject: Proposed Scope of Work for Preparation of Work Plans and Program Management for the Central Plume Source Area System Closure and Northern Plume Monitoring
Task Order No. 26
City of Lodi, California

Dear Mr. Sandelin,

As requested by the City of Lodi (City) in an email dated October 28, 2013, Treadwell & Rollo, a Langan company, has prepared the following Scope of Work (SOW) to develop the work plans and manage tasks associated with the following:

1. Shutdown of the Central Plume (CP) source area groundwater extraction and treatment system (GWETS) and soil vapor extraction (SVE) system;
2. Installation and operation of a new extraction well south of the CP source area and connected to the current GWETS to hydraulically contain, capture, and remediate the middle portion of the CP; and,
3. Obtain the Regional Water Quality Control Board (Water Board) approval for location of the proposed Northern Plume monitoring well.

Task 26a - The work plan for the shutdown of the CPsource area SVE and GWET systems will assess the performance of the two systems in remediating the source area, and provide a step-by-step plan that will satisfy the requirements of the Water Board to attain closure of the two systems. We will evaluate options for full and phased shutdowns, and cycling of the SVE system, as needed. We anticipate that the Water Board will require the collection of soil gas samples from new locations in and around the CP source area, and will include this sampling in the work plan.

Task 26b - This Task will include providing management and oversight during the closure activities associated with the SVE and GWET systems. Treadwell & Rollo will provide direction to the operator during the implementation of the closure activities for a phased or full shutdown of both the SVE and GWET systems. We have provided an estimate of potential costs associated with the collection and analysis of soil gas and groundwater samples needed to confirm the completeness of the remediation activities, assuming two days of field time to collect 6 soil gas samples. Following completion of the closure activities, Treadwell & Rollo will prepare a Final Closure Report for the CP source area remediation systems. Treadwell & Rollo will also discuss the results with the Water Board and provide assistance to the City to obtain the approval of the Water Board for the closure activities.

Task 26c - The work plan for addressing the down-gradient groundwater contamination that has moved beyond the Central Plume source area remediation system capture zone will include the determination of the location of one extraction well, evaluation of the soil log to determine screen locations and optimizing the extraction rate of the well such that it can attain appropriate capture. Treadwell and Rollo proposes

to use the modified City of Lodi transient groundwater flow and contaminant transport model (Model) to meet the objectives of this task.

Task 26d—A memorandum summarizing the Northern Plume hydrogeology and the proposed location of the NP monitoring point will be prepared and presented to the Water Board for their approval.

Task 26d—As part of the Northern Plume monitoring well construction activities, Treadwell & Rollo will provide ongoing consultation on the location of the monitoring well screen intervals in conjunction with the Water Board. Costs associated with preparation of NP monitoring well installation work plan, well installation costs, and a report documenting final well installation activities are not included in this Task.

Task 26f—Following completion of all the modeling activities, a follow-up meeting with the Water Board will be conducted to present the long-term plan for monitoring the NP.

PROPOSED SCHEDULE

We are prepared to start work immediately. Task 26a can be completed with 30 days of notice to proceed, and Task 26c with 45 days. Task 26d will be completed within 60 days of notice to proceed. Remaining task schedules will be determined after discussion with the Water Board and the City.

COST SUMMARY

We propose to perform the work on a time-and-expense basis in accordance with the terms of our City of Lodi Professional Services Agreement. We have estimated the following costs for Tasks 26a through 26e:

Tasks	Budget
Task 26a—Preparation of Work Plan for Closure of Source Area SVE and GWET Systems	\$12,800
Task 26b— Management of Closure of SVE & GWET Systems and Estimated Sol Gas Confirmation Sampling.....	24,300
Task 26c— Preparation of Work Plan for Installation of Central Plume Extraction Well	9,400
Task 26d—Northern Plume Technical Memorandum/Presentation	5,600
Task 26e—Management of Northern Plume Monitoring Well Activities.....	4,000
Task 26f— Meetings (1 meeting)	<u>3,600</u>
TOTAL ESTIMATED COSTS	\$59,700

We appreciate the opportunity to assist the City of Lodi. Please contact Mr. Oberoi at (415) 424-3009 or Mr. Smith at 415-955-5249 if you need any further information.

Sincerely,
Treadwell & Rollo, A Langan Company



Varinder S. Oberoi, PE
Principal Hydrologist



Philip G. Smith, REA II
Executive Vice President

Konradt Bartlam
City Manager



D. Stephen Schwabauer
City Attorney

Randi Johl-Olson
City Clerk

Date

730377937.02 PGS_Proposal

1. AA# _____
 2. JV# _____

**CITY OF LODI
 APPROPRIATION ADJUSTMENT REQUEST**

TO: Internal Services Dept. - Budget Division
 3. FROM: Rebecca Areida-Yadav 5. DATE: 11/5/2013
 4. DEPARTMENT/DIVISION: Public Works

6. REQUEST ADJUSTMENT OF APPROPRIATION AS LISTED BELOW

	FUND #	BUS. UNIT #	ACCOUNT #	ACCOUNT TITLE	AMOUNT
A. SOURCE OF FINANCING	185		3205	Fund Balance	\$ 80,000.00
B. USE OF FINANCING	185	185127	7323	Task 26 -Work Plan	\$ 80,000.00

7. REQUEST IS MADE TO FUND THE FOLLOWING PROJECT NOT INCLUDED IN THE CURRENT BUDGET

Please provide a description of the project, the total cost of the project, as well as justification for the requested adjustment. If you need more space, use an additional sheet and attach to this form.

Task Order 26 with Treadwell & Rolloto develop work plans.

If Council has authorized the appropriation adjustment, complete the following:

Meeting Date: _____ Res No: _____ Attach copy of resolution to this form.

Department Head Signature: Wayne Sanchez

8. APPROVAL SIGNATURES

 Deputy City Manager/Internal Services Manager Date

Submit completed form to the Budget Division with any required documentation.
 Final approval will be provided in electronic copy format.

RESOLUTION NO. 2013-202

A RESOLUTION OF THE LODI CITY COUNCIL AUTHORIZING
CITY MANAGER TO EXECUTE TASK ORDER NO. 26 OF
MASTER PROFESSIONAL SERVICES AGREEMENT FOR
PCE/TCE CLEANUP WITH TREADWELL & ROLLO, A LANGAN
COMPANY, AND FURTHER APPROPRIATING FUNDS

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WHEREAS, the City of Lodi is responsible for the cleanup and monitoring of volatile organic carbon compounds (primarily PCE/TCE) in the four areas referred to as the Central, Southern, Western, and Northern plumes. For three years, the City has been operating soil vapor extraction wells and a groundwater extraction well in the block bounded by Pine Street, Church Street, Oak Street, and Pleasant Avenue; and

WHEREAS, recently, Treadwell & Rollo performed an update to the Lodi Groundwater Model by adding new data for the Central Plume and historic and new data for the Southern, Western, and Northern plumes. The model is now being used to simulate the migration of the plumes under various City groundwater well field pumping scenarios. In addition, the model is being used to optimize locations for monitoring wells in the Northern Plume area and a groundwater extraction well in the Central Plume area; and

WHEREAS, staff recommends approval of Task Order No. 26 to develop the work plans for the shutdown of the Central Plume source area groundwater extraction and treatment system and soil vapor extraction system, the installation of a new Central Plume extraction well, and the evaluation of the extent of the Northern Plume.

NOW, THEREFORE, BE IT RESOLVED that the Lodi City Council does hereby authorize the City Manager to execute Task Order No. 26 of the Master Professional Services Agreement for PCE/TCE Cleanup with Treadwell & Rollo, a Langan Company, of San Francisco, California, in the amount of \$59,700; and

BE IT FURTHER RESOLVED that funds in the amount of \$80,000 be appropriated from the PCE/TCE Rates Fund.

Dated: November 20, 2013

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I hereby certify that Resolution No. 2013-202 was passed and adopted by the City Council of the City of Lodi in a regular meeting held November 20, 2013, by the following vote:

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

NOES: COUNCIL MEMBERS – None

ABSENT: COUNCIL MEMBERS – None

ABSTAIN: COUNCIL MEMBERS – None


RANDI JOEHL-OLSON
City Clerk