



**CITY OF LODI  
COUNCIL COMMUNICATION**

**AGENDA TITLE:** Adopt Resolution Authorizing Additional Task Order with Treadwell & Rollo Regarding PCE/TCE Cleanup (\$167,000) and Appropriating Funds (\$180,000)  
**MEETING DATE:** March 3, 2010  
**PREPARED BY:** Public Works Director

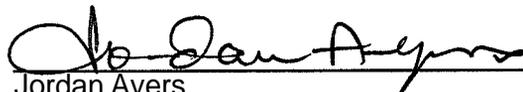
**RECOMMENDED ACTION:** Adopt a resolution authorizing an additional task order with Treadwell & Rollo regarding PCE/TCE cleanup in the amount of \$167,000 and appropriating funds in the amount of \$180,000.

**BACKGROUND INFORMATION:** Staff and our consultants are moving forward on the implementation of Phase I of the PCE/TCE cleanup program. Design of the Phase I permanent facilities is complete and bids were opened on February 23 for the construction of the facilities. At the same time, operation of the temporary soil vapor extraction and treatment (SVET) system will need to continue for approximately one additional year.

Proposed Task Order No. 20, attached as Exhibit A, provides for the continued operation and maintenance by Treadwell & Rollo of the SVET system for a period not to exceed one year. The current task order for maintenance and operation of these facilities expires on March 31, 2010. It is expected the temporary SVET system will be abandoned within the 12-month period covered by Task Order No. 20 and, therefore, it will expire once the Phase I facilities are constructed and operational. The estimated cost is \$167,000 but will be less assuming the Phase I facilities will be operational prior to March 31, 2011. The requested appropriation includes additional funds to cover contingencies.

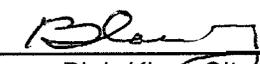
**FISCAL IMPACT:** Operation and maintenance costs will increase and are funded by PCE/TCE Cleanup funds.

**FUNDING AVAILABLE:** Requested Appropriation: Central Plume Fund (190) – \$180,000

  
Jordan Ayers  
Deputy City Manager/Internal Services Director

  
F. Wally Sandelin  
Public Works Director

FWS/pmf  
Attachment

**APPROVED:**   
Blair King, City Manager



## MEMORANDUM

**TO:** F. Wally Sandelin  
Director of Public Works

**FROM:** Christopher Glenn, P.E., LEED GA

**DATE:** 19 January 2010

**PROJECT:** Proposal for Guild SVE System Operation & Maintenance from April '2010 to March 2011  
17 South Church Street, Lodi, California  
Proposed Lodi Task 20

**SUBJECT:** Scope, Schedule, and Cost Estimate for Lodi Task 20 No. of Pages: 3

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This memorandum presents the proposed scope, schedule, and costs for Operation and Maintenance (O&M) of the Guild Soil Vapor Extraction (SVE) system in Lodi, California for an additional 12 months. If approved, this will be identified as Lodi Task 20 - Guild SVE O&M.

### BACKGROUND

Treadwell & Rollo (T&R) operates the Guild SVE system on behalf of the City of Lodi to remediate tetrachloroethylene (PCE) contamination in soil and soil vapor in the Central Plume Source Area in Lodi, California. The SVE system is located in the parking lot of Guild Cleaners, located at 17 South Church Street, Lodi, California (the Site). The SVE system is operated under a permit by the San Joaquin Valley Air Pollution Control District (SJVAPCD), issued on 31 May 2006, and revised on 3 November 2008. The permit requires monthly monitoring and vapor sample collection. The permit also requires treatment of extracted vapors using three granular activated carbon (GAC) vessels. The SJVAPCD requires tabulation of monthly PCE influent and effluent concentrations, monthly PCE control efficiency, monthly influent and effluent flow rates, and cumulative run time. T&R's current budget for Guild SVE System O&M covers operations through March 2010. This proposal will cover an additional 12 months of O&M through March 2011.

We understand that the City of Lodi is currently soliciting bids for the construction of the Source Area SVE System, which will ultimately replace the Guild SVE system. If this new system is completed and the Guild SVE system operations are discontinued prior to March 2011, T&R would not use the full budget requested in this proposal.

### SCOPE OF WORK

The scope of work for the Guild SVE O&M includes several tasks that are listed below:

- **Routine Site Visits** - A T&R field technician will visit the Site one day per month to monitor flow rates, pressures, vacuums, temperature; and to check the operating conditions of the system and note repairs to be performed, if required. The field technician will also collect four vapor samples and perform minor repairs and/or site maintenance, as needed.

#### ENVIRONMENTAL AND GEOTECHNICAL CONSULTANTS

501 14TH STREET, 3RD FLOOR OAKLAND CALIFORNIA 94612 T 510 874 4500 F 510 874 4507 www.treadwellrollo.com

- **GAC Changeout and Waste Disposal** - GAC vessels are changed when the effluent from the second of three vessels contains PCE concentration above the SJVAPCD permit level. The third carbon vessel serves as a backup. Based upon the SVE system carbon usage in 2009, we have assumed three carbon changeouts will be required from April 2010 to March 2011. If more than three GAC changeouts are required during the year, additional budget may need to be authorized. Preparation of the GAC waste manifest and profile is included in this task. The manifest is required prior to the transport of spent GAC and is signed by Charlie Swimley of the City of Lodi. GAC sample collection, analysis, and profile documentation are performed periodically for the renewal of the GAC profile. Also, the scope includes yearly disposal of water collected from the knock out drum. T&R assumes that disposal fees for this task will not exceed \$2,000 per year.
- **Laboratory Analysis** – This includes collecting four vapor samples in Tedlar bags and sending them to Air Toxics Laboratory (Folsom, California) for TO-15 analysis. The turn-around time for this analysis is 10 days, and the samples will be picked up by a lab courier.
- **Non – Routine Site Visits For Repairs** - This includes non-routine, unexpected repairs to the Guild SVE system required for continued proper operation. T&R will only repair the minimum required for proper operation because the remaining expected operational lifetime of the Guild SVE system is one year or less. T&R assumes not more than six non-routine visits for the 12 month period and no more than \$15,000 in repair work. Additional visits or repairs will require an increase to the budget.
- **Air District Compliance, Reporting and Inspections** – This includes the evaluation of monitoring data with the SJVAPCD permit for compliance. If there is an event of non-compliance, T&R will act immediately to remedy the problem. T&R will provide periodic reports as requested by SJVAPCD. T&R will facilitate SJVAPCD inspection of the SVE system, which is assumed to occur not more than once in the 12-month period.
- **Reporting and Calculations** – T&R will maintain a log of PCE mass removal from the Guild SVE system and report periodically to the City of Lodi. T&R will also manage logs of monitoring data, field notes, laboratory results, and control efficiency as required by the SJVAPCD. On a quarterly basis, T&R will provide a summary of SVE operations to Stantec, for inclusion in their quarterly groundwater monitoring reports.
- **Project Management and Communication** - This includes maintaining effective communication with the City of Lodi, and responding to questions and requests for information, as needed.

## SCHEDULE

This proposal covers SVE O&M from April 2010 through March 2011.

## DELIVERABLES

T&R will provide a summary of SVE operations to Stantec at the end of each quarter, for inclusion in their quarterly groundwater monitoring report. Information included will be a brief text section describing the

SVE operations during the quarter, operations and field logs, and a calculation of estimated PCE mass removal by the system for the quarter,

T&R will also provide information upon request from Lodi, SJVAPCD, or other agencies. These include:

- 1) PCE Removal Efficiency (required by SJVAPCD)
- 2) Operation logs of flow rates (required by SJVAPCD)
- 3) Cumulative PCE mass removal (periodically requested by City of Lodi)
- 4) SJVAPCD permit renewal.

## **COST ESTIMATE**

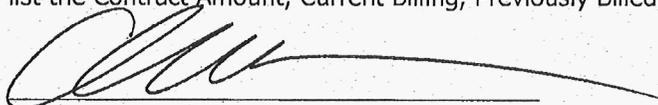
Our estimated fee for this scope of work will not exceed \$167,000. This corresponds to approximately \$13,920 per month. Due to the non-linear nature of O&M expenditures, costs may exceed \$13,920 in any given month. The assumptions behind this cost are included in the scope of work section above.

## **LIST OF SUBCONTRACTORS**

Air Toxics Laboratory, Folsom, CA - Vapor Analysis Laboratory  
Siemens Water Technology, San Leandro, CA - GAC Supplier  
ERRG, Concord, CA - SVE Repair Contractor  
AES, San Francisco, CA - Waste Disposal (Water)

## **INVOICES**

As we have done in 2009, we will submit our invoices monthly to the City of Lodi, and each invoice will list the Contract Amount, Current Billing, Previously Billed, Paid-to-Date and Balance Due.

  
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Christopher Glenn, P.E., LEED GA  
Senior Project Engineer

Approved per Resolution No. 2010-\_\_\_\_\_

APPROVEDASTOFORM:

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Blair King, City Manager

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D. Stephen Schwabauer, City Attorney



**ATTEST:**

\_\_\_\_\_  
Randi Johl, City Clerk

RESOLUTION NO. 2010-24

A RESOLUTION OF THE LODI CITY COUNCIL  
AUTHORIZING ADDITIONAL TASK ORDER NO. 20  
WITH TREADWELL & ROLLO REGARDING PCE/TCE  
CLEANUP AND FURTHER APPROPRIATING FUNDS

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WHEREAS, staff and City consultants are moving forward on the implementation of Phase I of the PCE/TCE cleanup program, and design of the Phase I permanent facilities is complete. At the same time, operation of the temporary soil vapor extraction and treatment (SVET) system will need to continue for approximately one year; and

WHEREAS, proposed Task Order No. 20 provides for the continued operation and maintenance by Treadwell and Rollo of the SVET system for a period not to exceed one year. It is expected the temporary SVET system will be abandoned within that time. Task Order No. 20 will expire once the Phase I facilities are constructed and the existing facilities abandoned; and

WHEREAS, the estimated cost for Task Order No. 20 is \$167,000.

NOW, THEREFORE, BE IT RESOLVED that the Lodi City Council does hereby authorize Task Order No. 20 in the amount of \$167,000 with Treadwell & Rollo, of San Francisco, California, regarding PCE/TCE cleanup; and

BE IT FURTHER RESOLVED that funds in the amount of \$180,000 be appropriated from the Central Plume Fund for this task order.

Dated: March 3, 2010

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I hereby certify that Resolution No. 2010-24 was passed and adopted by the City Council of the City of Lodi in a regular meeting held March 3, 2010, by the following vote:

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

NOES: COUNCIL MEMBERS – None

ABSENT: COUNCIL MEMBERS – None

ABSTAIN: COUNCIL MEMBERS – None

  
RANDI JOHL  
City Clerk