



**CITY OF LODI
COUNCIL COMMUNICATION**

TM

AGENDA TITLE: Approve Plans and Specifications and Authorize Advertisement for Bids for Western and Southern Plume Monitoring Well Construction Project

MEETING DATE: February 20, 2013

PREPARED BY: Public Works Director

RECOMMENDED ACTION: Approve plans and specifications and authorize advertisement for bids for Western and Southern Plume monitoring well construction project.

BACKGROUND INFORMATION: The *Groundwater Monitoring Plan for the Western and Southern Plume Areas* prepared February 2011 by Treadwell and Rollo established a groundwater monitoring and reporting plan for the Western and Southern Plume areas. Previously conducted investigations have generally defined the extent of the groundwater pollution as shown in Attachment A.

Using the City's groundwater model prepared by Treadwell and Rollo, combined with the results of previous investigations, locations and depths were identified for additional monitoring facilities. As a result, three monitoring well clusters are proposed for construction at the locations identified in Attachment B (WMW 1A,B,C,D; WMW 2 A,B,C; and SMW 1A,B). At each monitoring well location, two to four discrete depth levels will be monitored using either multi-level monitoring wells or clustered monitoring wells, each constructed to sample from a single discreet depth. The final discreet depths and associated well screen locations will be determined during construction and in consultation with the Regional Water Quality Control Board (Board). On November 9, 2012, the Board issued approval of the draft plan for monitoring well construction.

Following installation of the new monitoring wells, a quarterly monitoring program will be implemented that will include one existing monitoring well in the Western Plume and 13 existing monitoring wells in the Southern Plume.

FISCAL IMPACT: Not applicable.

FUNDING AVAILABLE: Funding will be presented at award of the construction contract.



 F. Wally Sandelin
 Public Works Director

FWS/pmf
 Attachments

APPROVED: 

 Konradt Bartlam, City Manager



Legend	
	Monitoring Well
	City Water Supply Well
	Central Plume Monitoring Well
	Railroad
	Park
	Mokelumne River
	School
Western PCE Contours, 2007 (µg/L)	
	Deep PCE Contour, Inferred (>75 ft)
	Deep PCE Contour (>75 ft)
	Shallow PCE Contour, Inferred (< 75 ft)
	Shallow PCE Contour (< 75 ft)
Southern Plume Contours, 2008 (µg/L)	
PCE + TCE + 1,1-DCE	
	Inferred Contour
	Isoconcentration Contour

GROUNDWATER MONITORING Lodi, California		
WESTERN AND SOUTHERN PLUME AREAS		
Date 1/31/2011	Project No. 730392333	Figure 1
Treadwell & Rollo A LANGAN COMPANY		

