

**TO:** James L. App, City Manager  
**FROM:** Doug Monn, Public Works Director  
**SUBJECT:** Installation of Monitoring Wells at the Paso Robles Landfill  
**DATE:** April 7, 2009

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**NEEDS:** For the City Council to consider authorizing a contract amendment to Pacific Waste Services in the amount not to exceed \$40,000 to install a required monitoring well at the landfill.

**FACTS:**

1. The City has been advised by the California Integrated Waste Management Board and Regional Water Quality Control Board of the need to install an additional monitoring well at the City Landfill.
2. Pacific Waste Services (PWS), contract operator for the City of Paso Robles Landfill, solicited bids to have this work performed on behalf of the City.
3. Only one quote was received from Technicon Engineering Services in the amount of \$32,305. An additional \$5,000 will be necessary to cover engineering costs associated with well sighting and monitoring set-up with a contingency of \$2,695.
4. The City's contract with PWS establishes that the "Contractor (PWS) shall be fully responsible for all permit compliance and engineering requirements including development of landfill design plans and permit documents, groundwater and surface water monitoring and reporting, landfill gas monitoring and reporting, construction management and regulatory agency liaison and reporting."
5. As the contract establishes PWS is responsible for the monitoring and reporting at the landfill. Staff and the City Attorney believe in the best interest of the City to amend PWS contract allowing PWS to sub-contract to Technicon for installation of the monitoring well. This centers the responsibility for ensuring the well is properly located and installed with PWS.
6. The current budget does not contain an appropriation for this work. At the February 17, 2009 meeting Council authorized the sale of land for right of way development to Cal Trans in the amount of \$403,000. Staff proposes to cover the cost of the monitoring well using those funds to preclude any impact to the General Fund.

**ANALYSIS &**

**CONCLUSION:** The City must install an additional monitoring well at the landfill as required by the California Integrated Waste Management Board and the Regional Water Quality Control Board. Bids for the installation were secured by Pacific Waste Management. The City's contract with PWS establishes that PWS is responsible for permit compliance, but not the cost of any new equipment necessary to maintain regulatory compliance. Therefore it appears to be in the best interest of the Citizens of Paso Robles to allow PWS to handle a sub-contract to install the necessary monitoring well in a manner that will satisfy regulatory needs.

**POLICY**

**REFERENCE:** City of Paso Robles Purchasing and Payment Procedures Manual

**FISCAL**

**IMPACT:** As noted above, the current base budget for the landfill operations does not contain a budget appropriation for placing a new monitoring well. On February 17, 2009, Council authorized the sale of right-of-way along Highway 46 to Cal Trans in the amount of \$403,000. It is proposed these funds be used to cover the cost of the monitoring well to preclude any impact to the General Fund.

- OPTIONS:**
- a. Authorize a purchase order to Pacific Waste Services in the amount not to exceed \$40,000 (\$37,305, with a contingency of \$2,695) for placement of a monitoring well and authorize the use funds resulting from the sale of right-of-way along the frontage of the landfill for widening of Highway 46.
  - B. Amend, modify or reject the above option.

Attachments: (4)

- 1) Quotation from Pacific Waste Services
- 2) Technicon Proposal for Subcontracted Services
- 3) Correspondences from CA Integrated Waste Management Board
- 4) Resolution



***Pacific Waste Services, Inc.***

12925 Alcosta Blvd. Suite 1  
San Ramon, Ca. 94583  
Office: 925-244-0392  
Fax: 925-244-0210

February 27, 2009

Doug Monn, Director  
Public Works Department  
City of El Paso de Robles  
1000 Spring Street  
Paso Robles, CA. 93446

Subject: LFG Probes & MW-3R Well Drilling,  
Paso Robles Landfill

Dear Doug:

I would like to propose the City consider issuing a Change Order to Pacific Waste Services, Inc. for the drilling and installation of new landfill gas monitoring (LFG) probes and replacement groundwater monitoring well (MW-3). We request your consideration of this change order process versus the higher anticipated costs for putting a bid out for drilling along with the cost of putting plans/specifications/bid documents.

The California Integrated Waste Management Board approved in December 2008 the new LFG probe locations and regulations require installation and sampling commencement by October 18, 2009. The California Regional Water Quality Control Board, Central Coast Region requires that dry groundwater monitoring well MW-3 be replaced.

Proposal:

- Task 1: Drilling and Probe and Groundwater Well Installation by Technicon = \$32,305  
(copy of drilling and installation quote is attached)
- Task 2: Professional Engineer (Jim Wyse) Observe Drilling, Log Soils, Observe LFG Probe Installation, Observe MW-3R installation, Record all info = \$5,000
- Task 3: Conduct initial sampling of new LFG Probes for Task 4 Report = No Charge
- Task 4: Prepare LFG Probe Installation Certification Report = No Charge
- Task 5: Prepare MW-3R Installation Certification Report = No Charge
- Total Cost = \$37,305

You may recall from a conference call in December with Joe Miller of SCS, the drilling quote which I had secured from Technicon was very good and lower than they were used to. Technicon has kept their price the same and has a limited window to fit us in, 1<sup>st</sup> half of April.

Please note, the other benefit of having PWS coordinate and observe the drilling is that we have added work for a driller at the Paso Robles Landfill. We also need to drill a replacement LFG extraction well for Well C-2. Additionally to prepare the Module 3B base liner design and possible engineered alternative design for the 2010 liner installation, we need to conduct several borings in the base of Module 3B and conduct a couple of borings in a potential on-site clay borrow area. This portion of the drilling effort would be paid for by Pacific Waste Services, Inc. at no cost to the City of Paso Robles. In addition, PWS is not Charging for Tasks 3, 4, 5, a savings of at least \$2,000 to cover shared mobilization costs built into Technicon's prices.

Ideally, we would like to accomplish this work in the 1<sup>st</sup> or 2<sup>nd</sup> week of April 2009 if acceptable

Please advise.

Respectfully submitted,  
Pacific Waste Services, Inc.

***Original Signed by James Wyse***

James A. Wyse, P.E.  
President

Enclosure

# TECHNICON

ENGINEERING SERVICES, Inc.

## PROPOSAL FOR SUBCONTRACTED SERVICES

February 27, 2009

TES# DR08-0062 Revised

**CLIENT:** Mr. Jim Wyse  
Pacific Waste services Inc.  
12925 Alcosta Blvd. #1  
San Ramon, CA 94583  
Phone: (925) 244-0210  
Fax: (925) 997 6041

**PROJECT:** Paso Robles Landfill Gas Monitoring Probes & 330' Goundwater Monitoring Well

**LOCATION:** Paso Robles, CA

**CONDITIONS**

Technicon Engineering Services will install a total of nine (9) half inch nested gas monitoring Probes set from 10 to 108 foot below ground surface. In addition to the gas wells we will install one (1) four inch ground water monitoring well with 20 foot of screen and estimated total depth of 330'. Soil sampling will consist of Standard Penetration Test (SPT) taken at 5' intervals retaining soil samples in plastic bags which will be submitted to the client company. Soil cuttings will be spread on-site unless otherwise directed by the client company. If the soil cuttings need to be contained on-site or removed from the site an additional fee will be charged. Drilling and sampling operations will be performed by trained technicians and overseen by a project manager. Technicon Engineering Services shall be responsible for securing any necessary permits and obtaining the U.S.A. reference numbers. The Client Company will be responsible for securing right-of-entry to the subject site. Drilling can be scheduled for March or April of 2009.

Cost Estimate			
Paso Robles Landfill	Unit	Unit Cost	Total Unit Cost
<b>Drilling Services</b>			
CME-55 and two Man Crew Gas Monitoring Probe Drilling, Install, & Site Clean-up	50 Hours	\$160/Hour	\$8,000
Mob/Demob Drill Rig & Support Truck	8 Hours	\$130/Hour	\$1,120
Well Supplies	532 Feet	\$11.25/Foot	\$5,985
Perdiem Two-Man Crew	5 Days	\$100/Day	\$500
Four Inch Groundwater Monitoring Well & Development	330 Feet	\$50/Foot	\$16,700
<b>Estimated Cost</b>			<b>\$32,305</b>

Construction Testing & Inspection – Geotechnical & Environmental Engineering  
 Corporate Office: 4539 N. Brawley Ave. Suite 108 • Fresno, CA 93722 • (559) 276-9311 • (559) 276-9344  
 Visalia Office: 151 S. Dunworth • Visalia, CA 93292 • (559) 732-0200 • (559) 732-0830 Fax  
 Merced Office: 2345 Jetway Drive • Atwater, CA 95301 • Phone (209) 384-9300 • (209) 384-0891 Fax  
[www.technicon.net](http://www.technicon.net) • e-mail [info@technicon.net](mailto:info@technicon.net)



## Payment Terms

Our services will be provided on a "time and materials" basis using the rates listed above, subject to Client approval. Unforeseen circumstances, i.e., time delays, due to site accessibility limitations, poor site conditions, subsurface structures, excessively difficult soils, increased scope of sampling, etc., or delays at the direction of or as a result of Client's field professional may result in additional costs. Consultant reserves the right to terminate drilling at any time if encountered drilling or site conditions arise such that damage to drilling equipment may occur, unless Client agrees to accept responsibility for any consequential damages to said equipment. Client assumes full responsibility for underground utility verification and consequences of damage to said underground utilities and/or drilling equipment due to boring location.

Unless otherwise specified in this proposal, payment to Consultant will be made within 30 days of the date of billing; interest on the unpaid balance will accrue beginning on the 31st day at that rate of 0.5 percent per month or the maximum interest rate permitted by law, whichever is less. Such interest is due and payable when the overdue payment is made. Client agrees that periodic billings from Consultant to Client are correct, conclusive, and binding on Client unless Client, within ten (10) calendar days from the receipt of such billing, notifies Consultant in writing of alleged inaccuracies, discrepancies, or errors in the billing. Client agrees that if Client requests services not specified pursuant to the scope of services description within this agreement, Client agrees to pay for all such additional services as extra work in accordance with the project fee schedule.

TECHNICON Engineering Services, Inc.

CLIENT: Pacific Waste services Inc.

Ash Jones  
Drilling Department Manager

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Print Name

\_\_\_\_\_  
Title / Date

Construction Testing & Inspection – Geotechnical & Environmental Engineering  
Corporate Office: 4539 N. Brawley Ave. Suite 108 • Fresno, CA 93722 • (559) 276-9311 • (559) 276-9344  
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[www.technicon.net](http://www.technicon.net) • e-mail [info@technicon.net](mailto:info@technicon.net)



LINDA S. ADAMS  
SECRETARY FOR ENVIRONMENTAL  
PROTECTION

# CALIFORNIA INTEGRATED WASTE MANAGEMENT BOARD



ARNOLD SCHWARZENEGGER  
GOVERNOR

1001 I STREET, SACRAMENTO, CALIFORNIA 95814 • P.O. BOX 4025, SACRAMENTO, CALIFORNIA 95812-4025  
(916) 341-6000 • WWW.CIWMB.CA.GOV

MARGO REID BROWN  
CHAIR  
MBROWN@CIWMB.CA.GOV  
(916) 341-6051

WESLEY CHESBRO  
WCHESBRO@CIWMB.CA.GOV  
(916) 341-6039

ROSALIE MULÉ  
RMULE@CIWMB.CA.GOV  
(916) 341-6016

CHERYL PEACE  
CPEACE@CIWMB.CA.GOV  
(916) 341-6010

GARY PETERSEN  
GPETERSEN@CIWMB.CA.GOV  
(916) 341-6035

November 21, 2008

Mr. Joseph Miller, P.E.  
SCS Engineers  
6601 Koll Center Parkway, Suite 140  
Pleasanton, CA 94566

**SUBJECT: Work Plan for Installation of Landfill Gas Monitoring Wells/Probes for the City of Paso Robles Landfill, Facility No. 40-AA-0001**

California Integrated Waste Management Board (CIWMB) staff has reviewed the additional information submitted for the revised Work Plan for Installation of Landfill Gas Monitoring Wells/Probes (Plan) for the City of Paso Robles Landfill, which was received on October 20, 2008. The additional information provided, dated October 15, 2008, was submitted in response to CIWMB staff's September 30, 2008 request for additional information.

Attached is a memorandum from the CIWMB's Cleanup, Closure and Financial Assurance Division addressing the deficiencies that must be addressed before the Plan can be approved. The additional information must be submitted to ensure the gas monitoring system is in compliance with the requirements of 27 CCR 20920 et. seq.

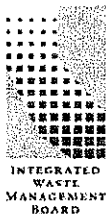
If you have any questions or comments regarding the requirements, please contact Randy Friedlander at (916) 341-6718. For questions regarding the attached memorandum, please contact Gino Yekta of the CIWMB's Cleanup, Closure and Financial Assurance Division at (916) 341-6354.

Sincerely,

Jeff Hackett, Supervisor  
MSW Facilities and EA Inspection and Enforcement B  
Compliance Evaluation and Enforcement Division

Attachment


cc: Gino Yekta, CIWMB, Cleanup, Closure and Financial Assurance Division  
Doug Monn, City of Paso Robles  
Jim Wyse, Pacific Waste Services



## MEMORANDUM

Date: November 20, 2008

To: Jeff Hackett  
MSW Facilities & EA Inspections & Enforcement Branch

From:   
Michael B. Wochnick, P.E.  
Closure and Technical Support  
Cleanup, Closure, and Financial Assurances Division  
CALIFORNIA INTEGRATED WASTE MANAGEMENT BOARD

Subject: REQUEST FOR ADDITIONAL INFORMATION, LANDFILL GAS SYSTEM PLAN,  
CITY OF PASO DE ROBLES, SAN LUIS OBISPO COUNTY, SWIS# 40-AA-0001

Closure and Technical Support (Closure) staff has reviewed additional items submitted by SCS Engineers dated October 15, 2008, and received on October 20, 2008. The submittal is to clarify the requirement to install an intermediate depth probe at GP-5. However, based on new submitted information, Closure staff agrees that a shallow gas well will be adequate since the ground elevation at the well location [1002 mean sea level (msl)] is the same as the depth of waste (1,002 msl).

Furthermore, in our previous memo, dated September 30, 2008, the operator was required to include a deep probe at GP-4 since this gas well did not appear to have been installed to the depth of waste. In October submittal, it is stated that while landfill gas (LFG) migration through the clay layer is technically possible, it is unlikely in this situation. However, since gas could migrate off site through the clay layer, a deep probe at GP-4 is necessary to adequately monitor for potential LFG migration.

As stated in our previous memorandum, the operator has the following potential options:

**Option #1:** The operator could utilize all of the existing and proposed landfill gas wells as long as GP-4 is modified to include a deep probe to the depth of refuse.

**Option #2:** Alternatively, based on the scale on Figure 1, it appears that the operator could elect to shift the location of some of the proposed gas wells and still be in compliance with the maximum spacing criteria of 1,000 feet. It appears that if GP-12 is shifted south and GP-11 west, the proposed wells may be no further apart than 1,000 feet. If that is the case, GP-4 would not be needed as a compliance well.

Should you have any questions regarding this memorandum, please contact Gino Yekta of my staff at 341-6354.



RESOLUTION NO. 09-

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF PASO ROBLES  
AUTHORIZING THE INSTALLATION OF A MONITORING WELL AT THE  
PASO ROBLES LANDFILL

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WHEREAS, The City has been advised by the California Integrated Waste Management Board and Regional Water Quality Control Board of the need to install an additional monitoring well at the City Landfill; and

WHEREAS, Pacific Waste Services (PWS), contract operator for the City of Paso Robles Landfill, has solicited bids to have this work performed on behalf of the City; and

WHEREAS, the City's contract with PWS establishes that the "Contractor (PWS) shall be fully responsible for all permit compliance and engineering requirements including development of landfill design plans and permit documents, groundwater and surface water monitoring and reporting, landfill gas monitoring and reporting, construction management and regulatory agency liaison and reporting"; and

WHEREAS, the City's contract with PWS establishes they are responsible for permit compliance but not the cost for installation of any new requirements; and

WHEREAS, it appears to be in the best interest of the Citizens of Paso Robles and the most cost effective option to require PWS to handle a sub-contract to install the necessary monitoring well complying with California Integrated Waste Management Board and Regional Water Quality Control Board requirements.

THEREFORE, BE IT RESOLVED AS FOLLOWS:

SECTION 1. The City Council of the City of El Paso de Robles does hereby allocate \$40,000 (\$37,305 with a contingency of \$2,695) from the sale of landfill property to Cal Trans to account number 100-310-5224-167 to cover the cost of installing a monitoring well.

SECTION 2. The City Council does hereby amend an existing contract with Pacific Waste Services to retain a sub-contractor to facilitate the installation of the necessary monitoring well and authorize the City Manager to execute the amendment to do so.

PASSED AND ADOPTED by the City Council of the City of Paso Robles this 7th day of April 2009 by the following votes:

AYES:  
NOES:  
ABSTAIN:  
ABSENT:

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Duane Picanco, Mayor

ATTEST:

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Cathy M. David, Deputy City Clerk