



1320 South University Drive
Suite 300
Fort Worth, Texas 76107
Phone 817-806-1700
Fax 817-870-2536

MEMORANDUM

TO: Saqib Shirazi, Ph.D., P.E., Innovative Water Technologies, Texas Water Development Board (TWDB)

FROM: Ellen T. McDonald, Ph.D., P.E., APAI

SUBJECT: Advancing Water Reuse in Texas Monthly Report – April 2010

DATE: May 12, 2010

PROJECT: 0866-004-01

Recent Project Activities:

During this reporting period, APAI's primary activities were (by task):

Task A- Texas Reuse History. APAI has resumed work on the Texas Reuse History document.

Task B- State of Technology. APAI completed the draft Task B technical memorandum, which was submitted to the TWDB on March 31st. Charges to this task during this period are primarily from subconsultants for work to complete the draft Task B document.

Task C- Research Agenda and Administrative Tasks. APAI has coordinated development of one-page summaries of the priority research topics identified during Workshop #2. These summaries have been reviewed by the APAI team and were submitted to the TWDB this month. APAI has also been working with the TWDB to coordinate the Fall Innovative Water Technologies Seminar in lieu of Workshop #3. APAI performed administrative tasks including coordination of subconsultants, project management and invoicing.

Issues Encountered:

None.

Items to be Addressed and Anticipated Project Activities:

Work in the following month will focus on further development of the Texas Reuse History document and coordination on the research topics and proposed October seminar.



Texas Water Development Board
P.O. Box 13231
Attention: Accounts Payable
Austin, Texas 78711-3231

Invoice Date: April 30, 2010
Invoice No: 28495
Project No: 0866-004-01
Project Manager: Ellen McDonald
Total Contract: \$246,230.00

TWDB Contract No. 0904830937

Statement for Services During Period April 3, 2010 through April 30, 2010

Salaries and Wages			
Title	Rate	Hours	Total
Principal I	\$62.30	20.75	\$1,292.73
Sr. Admin Staff	\$30.46	1.50	\$45.69
Total Salaries and Wages			\$1,338.42

Direct Expenses	
Nellor Environmental Associates, Inc	\$13,275.00
Katz & Associates, Inc.	\$572.08
Postage/Freight	\$26.10
Mileage/Travel	\$202.31
Total Direct Expenses	\$14,075.49

In Kind Contribution	-\$86.22
Fringe Benefit Costs	\$575.52
Overhead Costs	\$1,833.64
Profit	\$682.59

TOTAL AMOUNT DUE THIS INVOICE: \$18,419.43

Contract Amount	\$246,230.00
In Kind Contribution	(21,732.00)
Total Billable Value	\$224,498.00
Prior Invoices	\$114,915.09
This Invoice	\$18,419.43
Payments	\$87,232.89
Balance Payable	\$46,101.63

SUPPLEMENTAL BILLING INFORMATION

Alan Plummer Associates, Inc.
 Advancing Water Reuse in Texas Research Study
 TWDB Contract No. 0904830937
 Contract Amount = \$246,230.00

Invoice Date: April 30, 2010
 Invoice No: 28495
 Project No: 0866-004-01
 Page 2

Statement for Services During Period April 3, 2010 through April 30, 2010

Billings by Study and Task

Task	Task Name	Budget Limit	Billings This Period	This Period In Kind Contribution	Previous Billings	Previous In Kind Contribution	Total to Date	Total In Kind Contribution	TWDB Amount
Task Budget									
A	Texas Reuse History	\$51,800.00	\$129.21	-\$7.79	\$51,693.16	-\$3,289.34	\$51,822.37	-\$3,297.12	\$48,525.24
B	State of Technology	\$66,760.00	\$10,485.00	\$0.00	\$37,937.29	-\$146.62	\$48,422.29	-\$146.62	\$48,275.67
C	Research Agenda	\$127,670.00	\$7,891.45	-\$78.44	\$29,118.98	-\$398.39	\$37,010.43	-\$476.82	\$36,533.61
Total		\$246,230.00	\$18,505.66	-\$86.22	\$118,749.43	-\$3,834.34	\$137,255.09	-\$3,920.57	\$133,334.52

Expenses by TWDB Category

Category	Budget Limit	Billings This Period	This Period In Kind Contribution	Previous Billings	Previous In Kind Contribution	Total to Date	Total In Kind Contribution	TWDB Amount
Expense Budget								
Salaries and Wages	\$33,196.38	\$1,338.42	-\$86.22	\$24,684.49	-\$3,834.34	\$26,022.91	-\$3,920.57	\$22,102.34
Fringe	\$14,274.44	\$575.52		\$10,614.33		\$11,189.85		\$11,189.85
Travel	\$350.00	\$202.31		\$2,106.06		\$2,308.37		\$2,308.37
Subcontractor								
Total Environmental	\$14,000.00	\$0.00		\$0.00		\$0.00		\$0.00
Katz Associates	\$14,000.00	\$572.08		\$4,526.85		\$5,098.93		\$5,098.93
Nellor Environment	\$49,400.00	\$13,275.00		\$13,635.00		\$26,910.00		\$26,910.00
Bryan Brooks	\$11,700.00	\$0.00		\$800.00		\$800.00		\$800.00
James Crook	\$19,100.00	\$0.00		\$12,280.90		\$12,280.90		\$12,280.90
Jorg Drewes	\$11,700.00	\$0.00		\$3,100.00		\$3,100.00		\$3,100.00
David Sedlak	\$11,700.00	\$0.00		\$400.00		\$400.00		\$400.00
Tech/Comp								
Reproduction	\$4,000.00	\$0.00		\$13.64		\$13.64		\$13.64
Other Expenses	\$400.00	\$26.10		\$181.32		\$207.42		\$207.42
Overhead	\$45,479.03	\$1,833.64		\$33,817.76		\$35,651.40		\$35,651.40
Profit	\$16,930.15	\$682.59		\$12,589.08		\$13,271.67		\$13,271.67
Total	\$246,230.00	\$18,505.66	-\$86.22	\$118,749.43	-\$3,834.34	\$137,255.09	-\$3,920.57	\$133,334.52

Nellor Environmental Associates, Inc.

4024 Walnut Clay Drive
Austin, TX 78731
512.374.9330

Invoice	
Date:	April 5, 2010
Invoice #:	432
Billing Period	March 2010
For:	Texas Water Development Board Advancing Water Reuse in Texas Research Study

Bill To:
Ellen T. McDonald
Principal
Alan Plummer Associates, Inc.
1320 South University Drive, Suite 300
Fort Worth, TX 76107

DESCRIPTION	AMOUNT
Services for (see attached sheet for details):	
Component A - Reuse History Document	\$0.00
Component B - State of Reuse Technology- Technical Memorandum	\$5,940.00
Component C - Research Agenda Water Reuse in Texas	\$1,305.00
TOTAL DUE	\$7,245.00

Nellor Environmental Associates, Inc.
APAI Contract
TWDB Advancing Water Reuse in Texas

Date	Description of Work	Hours	Hourly Rate	Total
Component A - Reuse History Document \$2,700				
Total for Component A				
Remainder of Contract for Component A				\$1,890.00
Component B - State of Reuse Technology- Technical Memorandum \$32,350				
3/8/2010	M. Nellor reviewed status of Center for Biological Diversity petition to U.S. EPA	0.25	\$180.00	\$45.00
3/10/2010	M. Nellor reviewed information on Mary's Creek public issues and solicited a new outreach example for Texas to include in the TM	0.25	\$180.00	\$45.00
3/19/2010	M. Nellor updated information in TM regarding Florida nutrient criteria	0.25	\$180.00	\$45.00
3/24/2010	M. Nellor revised TM based on comments from Jim Crook, Shane Snyder, David Sedlak	4.5	\$180.00	\$810.00
3/25/2010	M. Nellor revised TM based on comments from Jim Crook, Shane Snyder, David Sedlak	5.5	\$180.00	\$990.00
3/26/2010	M. Nellor revised TM based on comments from Jim Crook, Shane Snyder, David Sedlak	7.5	\$180.00	\$1,350.00
3/27/2010	M. Nellor revised TM based on comments from Jim Crook, Shane Snyder, David Sedlak	4	\$180.00	\$720.00
3/28/2010	M. Nellor revised TM based on comments from Jim Crook, Shane Snyder, David Sedlak	9	\$180.00	\$1,620.00
3/30/2010	M. Nellor reviewed APAI comments on TM	1.75	\$180.00	\$315.00
Total for Component B				\$5,940.00
Remainder of Contract for Component B				\$10,255.00
Component C - Research Agenda Water Reuse in Texas \$14,350				
3/7/2010	M. Nellor worked on research topic 16	0.75	\$180.00	\$135.00
3/22/2010	M. Nellor reviewed research topics	0.75	\$180.00	\$135.00
3/24/2010	M. Nellor reviewed research topics	3.25	\$180.00	\$585.00
3/27/2010	M. Nellor reviewed research topics	0.25	\$180.00	\$45.00
3/29/2010	M. Nellor reviewed research topics	1.75	\$180.00	\$315.00
3/31/2010	M. Nellor reviewed research topics	0.5	\$180.00	\$90.00

PWP

Nellor Environmental Associates, Inc.

4024 Walnut Clay Drive
Austin, TX 78731
512.374.9330

Invoice	
Date:	March 7, 2010
Invoice #:	428
Billing Period	February 2010
For:	Texas Water Development Board Advancing Water Reuse in Texas Research Study

Bill To:
Ellen T. McDonald
Principal
Alan Plummer Associates, Inc.
1320 South University Drive, Suite 300
Fort Worth, TX 76107

DESCRIPTION	AMOUNT
Services for (see attached sheet for details):	
Component A - Reuse History Document	\$0.00
Component B - State of Reuse Technology- Technical Memorandum	\$4,545.00
Component C - Research Agenda Water Reuse in Texas	\$1,485.00
TOTAL DUE	\$6,030.00

Nellor Environmental Associates, Inc.
APAI Contract
TWDB Advancing Water Reuse in Texas

Date	Description of Work	Hours	Hourly Rate	Total
Component A - Reuse History Document \$2,700				
				\$0.00
				\$0.00
		0		\$1,890.00
Total for Component A				
Remainder of Contract for Component A				
Component B - State of Reuse Technology- Technical Memorandum \$32,350				
2/12/2010	M. Nellor reviewed material on public outreach provided by Katz and Assoc. for inclusion in the TM	0.5	\$180.00	\$90.00
2/14/2010	M. Nellor reviewed the Oregon CEC triggers for pollution prevention for addition to the draft TM	0.5	\$180.00	\$90.00
2/21/2010	M. Nellor worked on draft TM	3	\$180.00	\$540.00
2/22/2010	M. Nellor worked on draft TM	1.75	\$180.00	\$315.00
2/23/2010	M. Nellor worked on draft TM	7	\$180.00	\$1,260.00
2/24/2010	M. Nellor worked on draft TM	10.5	\$180.00	\$1,890.00
2/15/2010	M. Nellor worked on draft TM	2	\$180.00	\$360.00
Total for Component B				
Remainder of Contract for Component B				
Component C - Research Agenda Water Reuse in Texas \$14,350				
2/8/2010	M. Nellor reviewed draft template for research priorities	0.5	\$180.00	\$90.00
2/12/2010	M. Nellor reviewed research topic assignments	0.25	\$180.00	\$45.00
2/14/2010	M. Nellor worked on draft research topics	1.5	\$180.00	\$270.00
6/10/2010	M. Nellor worked on draft research topics	0.75	\$180.00	\$135.00
2/15/2010	M. Nellor worked on draft research topics	2.75	\$180.00	\$495.00
2/19/2010	M. Nellor worked on draft research topics	1	\$180.00	\$180.00
2/10/2010	M. Nellor worked on draft research topics	0.5	\$180.00	\$90.00
2/21/2010	M. Nellor worked on draft research topics	0.5	\$180.00	\$90.00
2/15/2010	M. Nellor reviewed draft research topics from J. Crook	0.5	\$180.00	\$90.00
Total for Component C				
Remainder of Contract for Component C				
		8.25		\$1,485.00
Total				
				\$11,650.00

TOTAL INVOICE					\$6,030.00
REMAINDER OF CONTRACT TASK					\$29,735.00

Summary of Expenditures	
Month	Amount
Sep-09	\$900.00
Oct-09	\$0.00
Nov-09	\$540.00
Dec-09	\$1,125.00
Jan-10	\$11,070.00
Feb-10	\$6,030.00
Total	\$19,665.00
Remainder Contract	\$29,735.00



Public Affairs
Community Relations
Issue Management

Katz & Associates, Inc.
4250 Executive Square, Suite 670
La Jolla, CA 92037-9105
(858) 452-0031
(858) 552-8437 fax

Invoice Date
March 31, 2010

INVOICE

Invoice Attachment
406143

Accounts Payable
Alan Plummer Associates, Inc.
1320 S University Drive Suite 300
Fort Worth, TX 76107-5765

PO Number: 0866-004-01

Katz & Associates Project ID: LJ-3276-L

Billing Period from 3/1/2010 through 3/31/2010

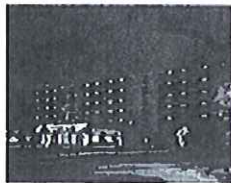
01-00 Component A

	<u>Current Hours</u>	<u>Rate</u>	<u>Current Amount</u>
<u>Professional Services</u>			
Patricia Tennyson - Executive Vice President	1.00	215.00	215.00
Sara Katz - President	1.00	220.00	220.00
Total for Professional Services:	2.00		435.00
<u>Direct Costs</u>			
01/21/10		SK TX Lodging - DoubleTree	137.08
Total for Direct Costs:			137.08
Total Billings for 01-00 Component A this invoice			572.08

Sherri L. Parker

LJ3276L

From: Doubletree Hotels Confirmed [doubletreehotels@res.hilton.com]
Sent: Wednesday, November 18, 2009 9:50 AM
To: Sherri L. Parker
Subject: [BULK] Doubletree Hotels Confirmation #85414571
Importance: Low



Doubletree Hotel Austin

6505 IH-35 North
 Austin, TX
 United States, 78752
 Tel: 512-454-3737
 Fax: 512-454-6915

[Directions to Hotel](#)

[5-Day Weather Forecast](#)

[Local Guide](#)



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Confirmation Number: 85414571
 > [Click here](#) to view or edit your reservation.
Name: Sara Katz
Arrival Date: 21 Jan 2010
Departure Date: 22 Jan 2010
Check-in Time: 3:00 PM
Check-out Time: 12:00 PM

Rate Information:	INVOICE APPROVAL
Rate Type: ADVANCE PURCHASE	PROJECT# <i>LJ</i> .3276 .L
Rate per night: 119.20 USD	TASK# <i>01-06</i>
Total for Stay per Room:	BILLABLE YES <input checked="" type="checkbox"/> NO
Rate: 119.20 USD	INITIALS <i>SLC</i> DATE <i>2/17/2010</i>
Taxes: 17.88 USD	DESCR <i>Lodging - Doubletree</i>
Total: 137.08 USD	ACCT# <i>4668</i> SUB-ACCT <i>CA . 10 . AC</i>

Total for Stay: 137.08 USD
 Includes estimated taxes and service charges. (Gratuities not included.)

G-L batch 003231

Tax:
 • There is a 15.00% Per Room Per Night tax.

Additional Charges:
 • Valet parking: 14.00/night Self parking: 8.00/night

Rate Rules and Cancellation Policy:
 • Full payment in advance is required for this reservation and your credit card will be charged immediately. This charge will be billed on your credit card statement as "Hilton Advance Purchase, Memphis TN."
 • If you cancel for any reason, attempt to modify this reservation, or do not arrive on your specified check-in date, your payment is non-refundable.

PER TO POST _____
REFNBR _____
CHK BATCH _____