Council Meeting of
November 17, 2009

Honorable Mayor and Members
of the City Council
City Hall
Torrance, California

Members of the Council:

SUBJECT: Public Works – Transfer funds and award of Consulting Services Agreement to Williams-McCaron, Incorporated, WMI, Water Process Engineering, for fluoridation facility design and construction services support. Expenditure: $32,410

RECOMMENDATION

Recommendation of the Public Works Director that City Council:

1. Transfer $32,410 from the Professional Services Account of the Water Operations Fund to increase the total project cost of the Fluoridation Project, FEAP 702; and

2. Approve a Consulting Services Agreement in the amount of $32,410 with Williams-McCaron, Incorporated, WMI, Water Process Engineering, for fluoridation facility design and construction services support, for a term of 18 months.

Funding

Funding is available from the Professional Services Account of the Water Operations Fund.

BACKGROUND AND ANALYSIS

State legislation passed in 1995 (AB 7330) requires all public systems with 10,000 or more service connections to fluoridate their drinking water supplies, provided funding for the capital project costs comes from a source other than the agency's own internal funding. At the City Council meeting of February 10, 2009, Council approved an agreement with the First 5 LA organization for the provision of $124,120 of grant funds for the capital costs of fluoridation. The grant is for equipment and installation of fluoride treatment facilities at two local water sources, either Well No. 6 or the new Well No. 9 located in McMaster Park, and the Southern California Water Replenishment District groundwater desalter facility located in the City Yard.

The First 5 LA organization is a child advocacy organization that provides grant and financial assistance for health, education and safety causes for young children. Their Oral Health Community Development Project provides funding to water agencies for the capital costs to fluoridate local water supplies. Fluoridation of drinking water has

proven to be extremely effective in eliminating tooth decay, particularly in young children.

At the time of the original City budgeting, staff believed that a vendor could assemble and provide the apparatus needed. With further investigation it has been determined that substantial engineering is required to proceed. The grant funding does not cover consultant services for design and construction support. Therefore, additional funding is needed.

As fluoridation treatment facilities are very specialized, staff had difficulty finding knowledgeable consultants to provide the City design plans and inspect the installation. Staff interviewed two firms for consultant support. Of the two firms, Williams-McCaron, demonstrated the best ability to provide the needed consultant services. Williams-McCaron hourly billing rates are competitive with those of other engineering firms. Staff is requesting an 18 month contract to provide time for Williams-McCaron to complete design plans, award of a contract for a vendor to construct two skid mounted fluoride injection systems, and for Williams-McCaron to inspect the installations. The Public Works Director recommends that Council approve a Consulting Services Agreement with Williams-McCaron.

Respectfully submitted,

ROBERT J. BESTE
Public Works Director

By: David L. Ringland
Engineering Manager

CONCUR:

Robert J. Beste
Public Works Director

LeRoy J. Jackson
City Manager

Attachment: A. Consulting Services Agreement

CONSULTING SERVICES AGREEMENT

This CONSULTING SERVICES AGREEMENT ("Agreement") is made and entered into as of (the "Effective Date"), by and between the CITY OF TORRANCE, a municipal corporation ("CITY"), and Williams-McCaron, Inc., A California Corporation ("CONSULTANT").

RECITALS:

A. CITY wishes to retain the services of an experienced and qualified CONSULTANT to design and provide construction support services for water system fluoridation facilities at two locations.

B. CONSULTANT represents that it is qualified to perform those services.

AGREEMENT:

1. <u>SERVICES TO BE PERFORMED BY CONSULTANT</u>

CONSULTANT will provide the services listed in the Consultant Proposal attached as Exhibit A. CONSULTANT warrants that all work and services set forth in the Consultant Proposal will be performed in a competent, professional and satisfactory manner.

2. <u>TERM</u>

Unless earlier terminated in accordance with Paragraph 4 below, this Agreement will continue in full force and effect from the Effective Date through 18 months from the effective date.

3. <u>COMPENSATION</u>

A. CONSULTANT's Fee.

For services rendered pursuant to this Agreement, CONSULTANT will be paid in accordance with the Consultant Proposal attached as Exhibit A, provided, however, that in no event will the total amount of money paid the CONSULTANT, for services initially contemplated by this Agreement, exceed the sum of $32,410 ("Agreement Sum"), unless otherwise first approved in writing by CITY.

B. Schedule of Payment.

Provided that the CONSULTANT is not in default under the terms of this Agreement, upon presentation of an invoice, CONSULTANT will be paid monthly the fees described in Paragraph 3.A. above, according to the Consultant Proposal. Payment will be due within 30 days after the date of the monthly invoice.

4. TERMINATION OF AGREEMENT

A. Termination by CITY for Convenience.

1. CITY may, at any time, terminate the Agreement for CITY's convenience and without cause.

2. Upon receipt of written notice from CITY of such termination for CITY's convenience, CONSULTANT will:

   a. cease operations as directed by CITY in the notice;
   b. take actions necessary, or that CITY may direct, for the protection and preservation of the work; and
   c. except for work directed to be performed prior to the effective date of termination stated in the notice, terminate all existing subcontracts and purchase orders and enter into no further subcontracts and purchase orders.

3. In case of such termination for CITY's convenience, CONSULTANT will be entitled to receive payment for work executed; and costs incurred by reason of such termination, along with reasonable overhead and profit on the work not executed.

B. Termination for Cause.

1. If either party fails to perform any term, covenant or condition in this Agreement and that failure continues for 15 calendar days after the nondefaulting party gives the defaulting party written notice of the failure to perform, this Agreement may be terminated for cause; provided, however, that if during the notice period the defaulting party has promptly commenced and continues diligent efforts to remedy the default, the defaulting party will have such additional time as is reasonably necessary to remedy the default.

2. In the event this Agreement is terminated for cause by the default of the CONSULTANT, the CITY may, at the expense of the CONSULTANT and its surety, complete this Agreement or cause it to be completed. Any check or bond delivered to the CITY in connection with this Agreement, and the money payable thereon, will be forfeited to and remain the property of the CITY. All moneys due the CONSULTANT under the terms of this Agreement will be retained by the CITY, but the retention will not release the CONSULTANT and its surety from liability for the default. Under these circumstances, however, the CONSULTANT and its surety will be credited with the amount of money retained, toward any amount by which the cost of completion exceeds the Agreement Sum and any amount authorized for extra services.

3. Termination for cause will not affect or terminate any of the rights of the CITY as against the CONSULTANT or its surety then existing, or which may thereafter accrue because of the default; this provision is in addition to all other rights and remedies available to the CITY under law.

C. Termination for Breach of Law.

In the event the CONSULTANT or any of its officers, directors, shareholders, employees, agents, subsidiaries or affiliates is convicted (i) of a criminal offense as an incident to obtaining or attempting to obtain a public or private contract or subcontract, or in the performance of a contract or subcontract; (ii) under state or federal statutes of embezzlement, theft, forgery, bribery, falsification or destruction of records, receiving stolen property, or any other offense indicating a lack of business integrity or business honesty which currently, seriously, and directly affects responsibility as a public consultant or contractor; (iii) under state or federal antitrust statutes arising out of the submission of bids or proposals; or (iv) of violation of Paragraph 19 of this Agreement; or for any other cause the CITY determines to be so serious and compelling as to affect CONSULTANT's responsibility as a public consultant or contractor, including but not limited to, debarment by another governmental agency, then the CITY reserves the unilateral right to terminate this Agreement or to impose such other sanctions (which may include financial sanctions, temporary suspensions or any other condition deemed appropriate short of termination) as it deems proper. The CITY will not take action until CONSULTANT has been given notice and an opportunity to present evidence in mitigation.

5. FORCE MAJEURE

If any party fails to perform its obligations because of strikes, lockouts, labor disputes, embargoes, acts of God, inability to obtain labor or materials or reasonable substitutes for labor or materials, governmental restrictions, governmental regulations, governmental control, judicial orders, enemy or hostile governmental action, civil commotion, fire or other casualty, or other causes beyond the reasonable control of the party obligated to perform, then that party's performance shall be excused for a period equal to the period of such cause for failure to perform.

6. RETENTION OF FUNDS

CONSULTANT authorizes CITY to deduct from any amount payable to CONSULTANT (whether or not arising out of this Agreement) any amounts the payment of which may be in dispute or that are necessary to compensate CITY for any losses, costs, liabilities, or damages suffered by CITY, and all amounts for which CITY may be liable to third parties, by reason of CONSULTANT's negligent acts or omissions or willful misconduct in performing or failing to perform CONSULTANT's obligations under this Agreement. In the event that any claim is made by a third party, the amount or validity of which is disputed by CONSULTANT, or any indebtedness exists that appears to be the basis for a claim of lien, CITY may withhold from any payment due, without liability for interest because of the withholding, an amount sufficient to cover the claim. The failure of CITY to exercise the right to deduct or to withhold will not, however, affect the obligations of

CONSULTANT to insure, indemnify, and protect CITY as elsewhere provided in this Agreement.

7. **CITY REPRESENTATIVE**
Public Works Director is designated as the "City Representative," authorized to act in its behalf with respect to the work and services specified in this Agreement and to make all decisions in connection with this Agreement. Whenever approval, directions, or other actions are required by CITY under this Agreement, those actions will be taken by the City Representative, unless otherwise stated. The City Manager has the right to designate another City Representative at any time, by providing notice to CONSULTANT.

8. **CONSULTANT REPRESENTATIVE(S)**
The following principal(s) of CONSULTANT are designated as being the principal(s) and representative(s) of CONSULTANT authorized to act in its behalf with respect to the work specified in this Agreement and make all decisions in connection with this Agreement:

Mark D. Williams, President

9. **INDEPENDENT CONTRACTOR**
The CONSULTANT is, and at all times will remain as to CITY, a wholly independent contractor. Neither CITY nor any of its agents will have control over the conduct of the CONSULTANT or any of the CONSULTANT's employees, except as otherwise set forth in this Agreement. The CONSULTANT may not, at any time or in any manner, represent that it or any of its agents or employees are in any manner agents or employees of CITY.

10. **BUSINESS LICENSE**
The CONSULTANT must obtain a City business license prior to the start of work under this Agreement, unless CONSULTANT is qualified for an exemption.

11. **OTHER LICENSES AND PERMITS**
CONSULTANT warrants that it has all professional, contracting and other permits and licenses required to undertake the work contemplated by this Agreement.

12. **FAMILIARITY WITH WORK**
By executing this Agreement, CONSULTANT warrants that CONSULTANT (a) has thoroughly investigated and considered the scope of services to be performed, (b) has carefully considered how the services should be performed, and (c) fully understands the facilities, difficulties and restrictions attending performance of the services under this Agreement. If the services involve work upon any site, CONSULTANT warrants that CONSULTANT has or will investigate the site and is or will be fully acquainted with the conditions there existing, prior to commencement of services set forth in this Agreement. Should CONSULTANT discover any latent or unknown conditions that will materially affect the performance of the services set forth in this Agreement, CONSULTANT must immediately inform CITY of that fact and may not proceed except at CONSULTANT's risk until written instructions are received from CITY.

13. CARE OF WORK

CONSULTANT must adopt reasonable methods during the term of the Agreement to furnish continuous protection to the work, and the equipment, materials, papers, documents, plans, studies and other components to prevent losses or damages, and will be responsible for all damages, to persons or property, until acceptance of the work by CITY, except those losses or damages as may be caused by CITY's own negligence.

14. CONSULTANT'S ACCOUNTING RECORDS; OTHER PROJECT RECORDS

Records of the CONSULTANT's time pertaining to the project, and records of accounts between CITY and the CONSULTANT, will be kept on a generally recognized accounting basis. CONSULTANT will also maintain all other records, including without limitation specifications, drawings, progress reports and the like, relating to the project. All records will be available to CITY during normal working hours. CONSULTANT will maintain these records for three years after final payment.

15. INDEMNIFICATION

CONSULTANT will indemnify, defend, and hold harmless CITY, the Redevelopment Agency of the City of Torrance, the City Council, each member thereof, present and future, members of boards and commissions, its officers, agents, employees and volunteers from and against any and all liability, expenses, including defense costs and legal fees, and claims for damages whatsoever, including, but not limited to, those arising from breach of contract, bodily injury, death, personal injury, property damage, loss of use, or property loss however the same may be caused and regardless of the responsibility for negligence. The obligation to indemnify, defend and hold harmless includes, but is not limited to, any liability or expense, including defense costs and legal fees, arising from the negligent acts or omissions, or willful misconduct of CONSULTANT, its officers, employees, agents, subcontractors or vendors. It is further agreed, CONSULTANT's obligations to indemnify, defend and hold harmless will apply even in the event of concurrent negligence on the part of CITY, the City Council, each member thereof, present and future, or its officers, agents and employees, except for liability resulting solely from the negligence or willful misconduct of CITY, its officers, employees or agents. Payment by CITY is not a condition precedent to enforcement of this indemnity. In the event of any dispute between CONSULTANT and CITY, as to whether liability arises from the sole negligence of the CITY or its officers, employees, agents, subcontractors or vendors, CONSULTANT will be obligated to pay for CITY's defense until such time as a final judgment has been entered adjudicating the CITY as solely negligent. CONSULTANT will not be entitled in the event of such a determination to any reimbursement of defense costs including but not limited to attorney's fees, expert fees and costs of litigation.

16. NON-LIABILITY OF CITY OFFICERS AND EMPLOYEES

No officer or employee of CITY will be personally liable to CONSULTANT, in the event of any default or breach by the CITY or for any amount that may become due to CONSULTANT.

17. INSURANCE

A. CONSULTANT must maintain at its sole expense the following insurance, which will be full coverage not subject to self insurance provisions:

1. Automobile Liability, including owned, non-owned and hired vehicles, with at least the following limits of liability:

   a. Primary Bodily Injury with limits of at least $500,000 per person, $1,000,000 per occurrence; and

   b. Primary Property Damage of at least $250,000 per occurrence; or

   c. Combined single limits of $1,000,000 per occurrence.

2. General Liability including coverage for premises, products and completed operations, independent contractors/vendors, personal injury and contractual obligations with combined single limits of coverage of at least $1,000,000 per occurrence.

3. Professional liability insurance with limits of at least $1,000,000 per occurrence.

4. Workers' Compensation with limits as required by the State of California and Employers Liability with limits of at least $1,000,000.

B. The insurance provided by CONSULTANT will be primary and non-contributory.

C. CITY ("City of Torrance"), the Redevelopment Agency of the City of Torrance, the City Council and each member thereof, members of boards and commissions, every officer, agent, official, employee and volunteer must be named as additional insured under the automobile and general liability policies.

D. CONSULTANT must provide certificates of insurance and/or endorsements to the City Clerk of the City of Torrance before the commencement of work.

E. Each insurance policy required by this Paragraph must contain a provision that no termination, cancellation or change of coverage can be made without thirty days notice to CITY.

18. SUFFICIENCY OF INSURERS AND SURETIES

Insurance or bonds required by this Agreement will be satisfactory only if issued by companies admitted to do business in California, rated "B+" or better in the most recent edition of Best's Key Rating Guide, and only if they are of a financial category Class VII or better, unless these requirements are waived by the Risk Manager of CITY ("Risk Manager") due to unique circumstances. In the event the Risk Manager determines that the work or services to be performed under this Agreement creates an increased or

decreased risk of loss to CITY, the CONSULTANT agrees that the minimum limits of any insurance policies or performance bonds required by this Agreement may be changed accordingly upon receipt of written notice from the Risk Manager; provided that CONSULTANT will have the right to appeal a determination of increased coverage by the Risk Manager to the City Council of CITY within 10 days of receipt of notice from the Risk Manager.

19. CONFLICT OF INTEREST

A. No officer or employee of the CITY may have any financial interest, direct or indirect, in this Agreement, nor may any officer or employee participate in any decision relating to the Agreement that effects the officer or employee's financial interest or the financial interest of any corporation, partnership or association in which the officer or employee is, directly or indirectly interested, in violation of any law, rule or regulation.

B. No person may offer, give, or agree to give any officer or employee or former officer or employee, nor may any officer or employee solicit, demand, accept, or agree to accept from another person, a gratuity or an offer of employment in connection with any decision, approval, disapproval, recommendation, preparation or any part of a program requirement or a purchase request, influencing the content of any specification or procurement standard, rendering of advice, investigation, auditing, or in any other advisory capacity in any way pertaining to any program requirement, contract or subcontract, or to any solicitation or proposal.

20. NOTICE

A. All notices, requests, demands, or other communications under this Agreement will be in writing. Notice will be sufficiently given for all purposes as follows:

1. Personal delivery. When personally delivered to the recipient: notice is effective on delivery.

2. First Class mail. When mailed first class to the last address of the recipient known to the party giving notice: notice is effective three mail delivery days after deposit in an United States Postal Service office or mailbox.

3. Certified mail. When mailed certified mail, return receipt requested: notice is effective on receipt, if delivery is confirmed by a return receipt.

4. Overnight delivery. When delivered by an overnight delivery service, charges prepaid or charged to the sender's account: notice is effective on delivery, if delivery is confirmed by the delivery service.

5. Facsimile transmission. When sent by fax to the last fax number of the recipient known to the party giving notice: notice is effective on receipt.

Any notice given by fax will be deemed received on the next business day if it is received after 5:00 p.m. (recipient's time) or on a non-business day.

6. Addresses for purpose of giving notice are as follows:

CONSULTANT:	Williams-McCaron, Incorporated 5175 East Pacific Coast Highway, Ste 402 Long Beach CA 90804 Fax: 562 597 0400
CITY:	City Clerk City of Torrance 3031 Torrance Boulevard Torrance, CA 90509-2970 Fax: (310) 618-2931

B. Any correctly addressed notice that is refused, unclaimed, or undeliverable because of an act or omission of the party to be notified, will be deemed effective as of the first date the notice was refused, unclaimed or deemed undeliverable by the postal authorities, messenger or overnight delivery service.

C. Either party may change its address or fax number by giving the other party notice of the change in any manner permitted by this Agreement.

21. PROHIBITION AGAINST ASSIGNMENT AND SUBCONTRACTING

This Agreement and all exhibits are binding on the heirs, successors, and assigns of the parties. The Agreement may not be assigned or subcontracted by either CITY or CONSULTANT without the prior written consent of the other.

22. INTEGRATION; AMENDMENT

This Agreement represents the entire understanding of CITY and CONSULTANT as to those matters contained in it. No prior oral or written understanding will be of any force or effect with respect to the terms of this Agreement. The Agreement may not be modified or altered except in writing signed by both parties.

23. INTERPRETATION

The terms of this Agreement should be construed in accordance with the meaning of the language used and should not be construed for or against either party by reason of the authorship of this Agreement or any other rule of construction that might otherwise apply.

24. SEVERABILITY

If any part of this Agreement is found to be in conflict with applicable laws, that part will be inoperative, null and void insofar as it is in conflict with any applicable laws, but the remainder of the Agreement will remain in full force and effect.

25. TIME OF ESSENCE

Time is of the essence in the performance of this Agreement.

26. GOVERNING LAW; JURISDICTION

This Agreement will be administered and interpreted under the laws of the State of California. Jurisdiction of any litigation arising from the Agreement will be in Los Angeles County, California.

27. COMPLIANCE WITH STATUTES AND REGULATIONS

CONSULTANT will be knowledgeable of and will comply with all applicable federal, state, county and city statutes, rules, regulations, ordinances and orders.

28. WAIVER OF BREACH

No delay or omission in the exercise of any right or remedy by a nondefaulting party on any default will impair the right or remedy or be construed as a waiver. A party's consent or approval of any act by the other party requiring the party's consent or approval will not be deemed to waive or render unnecessary the other party's consent to or approval of any subsequent act. Any waiver by either party of any default must be in writing and will not be a waiver of any other default concerning the same or any other provision of this Agreement.

29. ATTORNEY'S FEES

Except as provided for in Paragraph 15, in any dispute, litigation, arbitration, or other proceeding by which one party either seeks to enforce its rights under this Agreement (whether in contract, tort or both) or seeks a declaration of any rights or obligations under this Agreement, the prevailing party will be awarded reasonable attorney's fees, together with any costs and expenses, to resolve the dispute and to enforce any judgment.

30. EXHIBITS

All exhibits identified in this Agreement are incorporated into the Agreement by this reference.

31. CONSULTANT'S AUTHORITY TO EXECUTE

The person(s) executing this Agreement on behalf of the CONSULTANT warrant that (i) the CONSULTANT is duly organized and existing; (ii) they are duly authorized to execute this Agreement on behalf of the CONSULTANT; (iii) by so executing this Agreement, the CONSULTANT is formally bound to the provisions of this Agreement;

and (iv) the entering into this Agreement does not violate any provision of any other Agreement to which the CONSULTANT is bound.

CITY OF TORRANCE,
a Municipal Corporation

_____
Robert J. Beste
Public Works

_____
LeRoy J. Jackson, City Manager

APPROVED AS TO FORM:

JOHN L. FELLOWS III
City Attorney

By:_____
Jocelyn Poblete, Legal Counselor

Williams-McCaron, Incorporated
A California Corporation

By:_____
Mark D. Williams
President

Attachment: Exhibit A Consultant Proposal

Revised: 10/29/2008

EXHIBIT A

CONSULTANT PROPOSAL

PROPOSAL TO PROVIDE CONSULTING SERVICES FOR DESIGN, PROCUREMENT, AND INSTALLATION OF WATER FLUORIDATION EQUIPMENT

Prepared for:
City of Torrance, Public Works Department

October 26, 2009

wmi water process engineering

Williams-McCaron, Incorporated
5175 East Pacific Coast Highway, Suite 402
Long Beach, CA 90804
Tel. 562.597.0400
Fax. 562.684.0789
waterprocessengineering.com

wmi water process engineering

5175 East Pacific Coast Highway, Suite 402
Long Beach California, 90804
1.562.597.0400 Tel | 1.562.684.0789 Fax

October 26, 2009

Mr. Alan Berndt
Sr. Water Service Supervisor
Public Works Department
City of Torrance
20500 Madrona Avenue
Torrance, CA90503

Subject: Proposal to provide consulting services for design, procurement, and installation of water fluoridation equipment at well no. 6 and the Robert Goldsworthy Desalination Facility

Dear Alan:

Williams-McCaron, Inc. (WMI) is pleased to provide the following proposal for services to support the City of Torrance with its water fluoridation project. The proposed services are summarized as follows:

1. Task 1 – Provide performance-based specifications for fluoride chemical feed equipment and design drawings for equipment installation at the Robert W. Goldsworthy desalination facility and at Well No. 6;
2. Task 2 – Assist in preparing a bid package to furnish and install fluoride feed equipment and review contractor bids;
3. Task 3 – Supervise procurement and installation of fluoride feed equipment and;
4. Task 4 – Provide startup services and operator training for the fluoride feed equipment.

A detailed description of proposed engineering services and a proposed budget are provided in the following sections.

Engineer Services

WMI (Engineer) shall provide the following services to the City of Torrance:

Task 1 – Design Services:

Engineer shall provide final design specifications for skid-mounted sodium fluoride feed equipment, which will be installed at the Well No. 6 site and at the Robert W. Goldsworthy desalination facility. The design shall include the following:

1. Piping and instrumentation diagram for skid-mounted fluoride feed equipment;
2. Sizing and construction details for the sodium fluoride saturator tank;
3. Performance specifications for all skid-mounted instruments and equipment and;
4. Performance requirements for the on-board Programmable Logic Controller (PLC);
5. Site plan drawings showing, water, electrical, and instrumentation connection requirements for equipment installed at Well No. 6 site and at the Robert W. Goldsworthy desalination facility site and;
6. Details for equipment installation.

Engineer shall provide a performance-based specification for fluoride feed equipment, site plan drawings for equipment installation, and equipment installation details, which will be used for bidding purposes.

Deliverables:

1. Design drawings for skid mounted sodium fluoride saturator (Estimated 3 drawings);
2. Site plan drawings showing equipment installation and connection requirements for the two facilities (Estimated 6 drawings) and;
3. Performance-based specification for skid-mounted equipment.

Task 2 – Assist with Bid Package Preparation and Bid Review:

Engineer shall provide the technical design content and needed support for assisting the City of Torrance in preparing the bid package for furnishing and installing fluoride feed equipment. In addition to the deliverables provided in Task 1, Engineer shall provide additional technical content as needed by the City of Torrance. It is understood that the City will provide the standard front-end documents for the bid package and will compile all bid documents and advertise the request for bid.

Deliverables:

None

Task 3 – Review Bids and Supervise Equipment Procurement and Installation
Engineer shall:

1. Assist the City of Torrance in reviewing bids received from the public solicitation to ensure that the respondent's offerings meet specifications;
2. After the award of contract, review vendor's equipment design submittal prior to construction of the two (2) feed skids;
3. Provide one (1) site visit to the vendors facility for equipment witness testing prior to equipment delivery and;
4. Supervise equipment installation at the Well No. 6 site and at the Goldsworthy desalination facility.

Deliverables:

None

Task 4 – Startup and Operator Training
Engineer shall provide startup services for equipment installed at the Well No. 6 site and at the Goldsworthy desalination facility. Startup activities will verify proper operation of:

1. Onboard, flow, pressure, and conductivity instrumentation;
2. Shutdown based on low saturator levels and pump cycling;
3. PLC chemical feed pump pacing based on external flow-meter signal;
4. Fluoride levels in saturator output;
5. PLC-reported saturator flow volumes and calculated fluoride dose and;
6. Fluoride concentration in the distribution system after chemical addition.

Startup activities will verify that the fluoride feed skids provide consistent fluoride dose to the distribution system. During startup, samples downstream of chemical addition will be collected over a two week period and analyzed to confirm chemical dose. It is assumed that the City of Torrance will provide analytical services for fluoride analyses by outside laboratories and operator support for sample collection. It is estimated that approximately 30 analyses will be required over a two-week period for both sites.

After system startup, one (1) day of operator training shall be provided on equipment operation and monitoring protocol for fluoride levels in the distribution system. A standard operating procedure will be provided for operation of the sodium fluoride feed equipment and for field measurements of fluoride in distribution system samples.

Deliverables:

1. Technical memorandum describing standard operating procedures for sodium fluoride feed equipment and for fluoride analytical procedures

Budget

The proposed project budget is $32,410, which assumes that the City of Torrance will provide analytical services for fluoride analysis during the startup phase. The following table provides a cost accounting by Task:

I have attached our 2009 fee schedule and company qualifications for your review. Please call me if you have any questions.

Sincerely,

Mark D. Williams, Ph.D., P.E.
President

Attach.

Task	Description	Hours Principal Engineer [1]	Hours Engineer [1]	Labor	Subcontractor [3]	Total
1	**Design**					
1.1	Feed Skid Final Design and Specification	20	8	$ 3,560		$ 3,560
1.2	Site plan drawings and installation details for Well No. 6 and the Goldsworthy Desalination Facility	45	16	$ 7,820		$ 7,820
	Task 1 Subtotal:	65	24	$ 11,380	$ -	$ 11,380
2	**Bid Package Preparation and Review**					
2.1	Assist the city of Torrance in preparing bid package	16	8	$ 3,000		$ 3,000
	Task 2 Subtotal:	16	8	$ 3,000	$ -	$ 3,000
3	**Construction Supervision**					
3.1	Review Design Submittal for Feed Skid	8	0	$ 1,120		$ 1,120
3.2	Review vendor's equipment design submittal and provide witness testing prior to delivery	16		$ 2,240		$ 2,240
3.2	Provide construction supervision at Well No. 6 and Goldsworthy Desalination Facility	16	30	$ 5,090		$ 5,090
	Task 3 Subtotal:	24	0	$ 8,450	$ -	$ 8,450
4	**Startup, Acceptance Testing, and Training**					
4.1	System startup and acceptance testing [2]	20	24	$ 5,080		$ 5,080
4.2	Operator training	8		$ 1,120		$ 1,120
4.3	Standard Operating Procedure documentation	16	12	$ 3,380		$ 3,380
	Task 4 Subtotal:	44	36	$ 9,580	$ -	$ 9,580
	Total			**$ 32,410**	**$ -**	**$ 32,410**

1- Principal Billed at $140/hr; Engineer Billed at $95/hr
2-Assumes 2 weeks daily sampling for Fluoride in distribution system
; Torrance will provide analyses for fluoride samples and operator assistance in sample collection

Williams-McCaron, Incorporated

2009 FEE SCHEDULE

Schedule of Hourly Rates

Professional Services	Hourly Rates ($US)
Principal Engineer	$140
Staff Engineer	$95
Clerical	$60

Reimbursable Expenses	
Reimbursable Project Expenses (Outside Reproduction, Presentation Supplies, Postage, etc.)	Cost + 5%
Computer Services	Project Dependent
Internal Photocopying- B&W	$0.15/page
Internal Photocopying - Color	$0.75/page
E-Size Color Plates	$50/Plate
Subconsultant Services	Cost + 5%
Automobile Transportation	$0.55/mile
Commercial Travel/Subsistence	Cost + 5%

Note: Fees valid for January 1 – December 31, 2009. All fees subject to change January 1, 2010.

EXHIBIT B

COMPENSATION SCHEDULE

Type Information