

**WORK ASSIGNMENT NUMBER: EOR-58**  
**CHANGE ORDER NO. 2**

Pursuant to the Manatee County, Florida, Agreement for Architectural/Engineering Services for Engineer of Record entered into by and between the **COUNTY OF MANATEE, FLORIDA**, hereinafter referred to as the "County" and **McKIM & CREED**, hereinafter referred to as the "Consultant", a determination has been made by the County that there is a need for the performance of or rendering of services by the Consultant of a certain "Work Assignment" under the purview of said Contract, and the Consultant is hereby authorized to perform or render the particular services of work described as follows:

**TITLE OF THE PROJECT: RO PLANT & STORAGE-PHASE 2 FEASIBILITY AND PERMITTING**

**PHASES AND/OR TASKS OF PROFESSIONAL SERVICES AUTHORIZED:**

Consultant shall perform tasks as more specifically detailed in Attached Summary of Task Descriptions.

Compensation to the Consultant for rendering all of the above identified services and products shall not exceed the amounts set forth as follows:

Task 1 – Water Use Permitting	\$218,760.00
Task 2 – Concentrate Management	\$151,890.00
Task 3 – Pilot Study	\$260,300.00
Task 4 – Basis of Design	\$ 73,980.00
Task 5 - Change Order #1	\$118,783.00
Task 6 - Change Order #2	<u>\$ 93,902.00</u>
<b>Total</b>	<b>\$917,615.00</b>

County may authorize, in writing, in advance, adjustments in the compensation for particular tasks established above, provided such adjustments do not exceed the maximum compensation authorized for this Work Assignment.

Partial compensation may be requested on a monthly basis for unit prices and actual hours incurred but not to exceed the percentage of the task completed.

**ACCEPTED IN OPEN SESSION**

**FEB 22 2011**

**BOARD OF COUNTY COMMISSIONERS  
MANATEE COUNTY, FLORIDA**

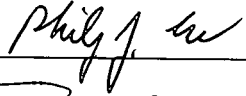
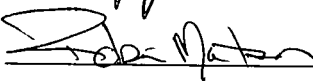
CHANGE ORDER # 2


**Work Assignment Number EOR-58**

"RO Plant & Storage - Phase 2 Feasibility and Permitting"  
Project 51065 & 51066

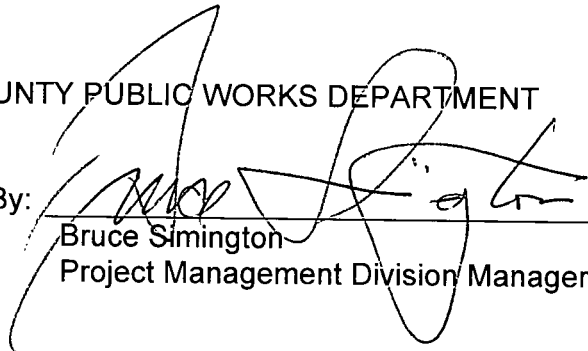
McKim & Creed, PA  
1365 Hamlet Avenue  
Clearwater, FL 33756

WITNESSES:

  
\_\_\_\_\_  
  
\_\_\_\_\_

By:   
\_\_\_\_\_  
11/14/11  
A. Street Lee, P.E.  
Senior Vice President

RECOMMENDED BY MANATEE COUNTY PUBLIC WORKS DEPARTMENT

By:   
\_\_\_\_\_  
Bruce Simington  
Project Management Division Manager

**COUNTY OF MANATEE, FLORIDA**

Authority to execute this contract per Manatee County Code, Chapter 2-26, and per the delegation by the County Administrator effective 1/26/2009. Revised 8/10/09.

By:   
\_\_\_\_\_  
R.C. " Rob" Cuthbert, C.P.M., CPPO  
Purchasing Official

**McKim & Creed**  
**Summary of Task Descriptions**  
**RO Plant & Storage – Phase 2 Feasibility and Permitting**  
**Change Order No. 2**  
**Manatee County**  
**January 13, 2011**

**PROJECT DESCRIPTION**

The original Water Use Permit (WUP) application for this Project was submitted to the Southwest Florida Water Management District (SWFWMD) in October 2008. The WUP is required to construct production wells that will be used to supply groundwater for the proposed 3.0 mgd Erie Rd. Reverse Osmosis Water Treatment Plant that will provide for redundancy and additional drinking water production needed by Manatee County. The permitting for this Project is unique in nature – the proposed wellfield is located within the Southern Waster Use Caution Area (SWUCA). In addition, the wellfield is located with the “Most Impacted Area” within the SWUCA. As such, the SWFWMD has special requirements for water use permitting for Projects located in these areas. To date, four (4) Requests for Additional Information (RAI) Letters have been issued by the SWFWMD. RAI responses have been provided for the first two RAIs - each of the responses fully addressed the information requested by the SWFWMD.

As part of the recent RAI letter, the SWFWMD has indicated that the issuance of the WUP for the Erie Rd. Reverse Osmosis Water Treatment Plant wellfield would be very difficult to issue due to lack of demand for the facility. Although the County emphasized the need for the facility to address operational concerns for the overall distribution system as well as heavy local demands near the proposed facility, the SWFWMD does not consider operational concerns as part of the WUP process. As such, the SWFWMD indicated its willingness to permit the wellfield if the County were to consolidate all of its water use permits. The County Utilities Department has responded to the recent RAI and is now pursuing a consolidated water use permit. This Change Order No. 2 to Work Assignment EOR 58 is to provide additional services needed for the consolidated water use permitting.

The scope of work to be provided by McKim & Creed is more fully described as follows:

**SCOPE OF WORK**

This scope has been developed to address the anticipated project requirements. Task items not specifically identified in this scope of services are not included. If during the course of the work it is determined that additional work or assistance is necessary to complete the project, this can be added via additional services. This project includes the submittal of the initial RAI response for a consolidated water use permit, with two (2) additional RAI responses. This project will be accomplished in the work elements outlined below:

**TASK 6: CHANGE ORDER NO. 2 – CONSOLIDATED WATER USE PERMITTING SERVICES**

**A. Prepare Aquifer Testing Analysis and Summary**

McKim & Creed will coordinate with our subconsultant, Leggette, Brashears & Graham, Inc. (LBG) to provide a detailed discussion of the hydrogeologic studies recently performed for both the Intermediate and Upper Floridan Aquifers. The SWFWMD requires that detailed information be provided that shows support for the requested quantities needed to obtain the consolidated WUP.

**B. Groundwater Flow Modeling**

Prepare a groundwater model based on site-specific parameters and the existing SWFWMD model to perform an impact analysis for the requested withdrawals. The modeling is needed in order to assist in providing reasonable assurance that environmental features and existing wells will not be impacted from the withdrawals. The model will also be utilized to assist in developing a wellfield monitoring plan.

**C. Wellfield Monitoring Plan**

Prepare a comprehensive Well Field Monitoring Plan based on site-specific hydrogeologic data. As we understand, the intent of the monitoring is to assist in providing reasonable assurance that environmental features and existing legal users are not impacted by the withdrawals. The monitoring plan will consist of a number of dedicated monitoring wells located in the well field area that monitor both water levels and ground-water quality in both the Intermediate and Upper Floridan Aquifer.

**D. Address Conditions for Issuance of Permit**

Assist the County in the preparation of addressing 40D-2.301, Condition for Issuance for the WUP. The modeling results included in this Work Assignment will be necessary to assist in addressing the Conditions for Issuance. There are 14 of these conditions that the SWFWMD uses in their impact analysis for the WUP application. These will be addressed along with the description of the modeling effort in the Impact Analysis report.

**E. Prepare and Submit Current RAI Response Package**

McKim & Creed will coordinate with LBG and the County to prepare and submit the current RAI response package. The response package includes preparation of a new water use permit application package to consolidate the County's existing and proposed water use permits. This task includes coordination activities with the County Utilities Department and will address all the comments on the RAI.

**F. Follow-up RAI Responses**

McKim & Creed will coordinate with LBG to address up to two (2) follow-up RAI responses anticipated for issuance of the consolidated WUP. Comments from the SWFWMD will be addressed and supplemental information requested by the District in support of the permit will be created and submitted.

**G. Meetings with County and SWFWMD**

McKim & Creed and LBG will prepare for and attend up to two (2) meetings with the County and with the SWFWMD. Agenda will be prepared for the meetings and meeting minutes will be distributed to the attendees.

**Ro Plant & Storage – Phase 2 Feasibility and Permitting  
Change Order #2  
Manatee County**

**Key Project Team Members**

Project Principal	Street Lee, PE
Project Manager	Phil Locke, PE
Senior Design Engineer	Johna Jana, EI
Hydrogeology	Leggette, Brashears & Graham, Inc.

**SCHEDULE**

This schedule is based on the task described herein being performed as part of the RO Plant & Storage - Phase 2 Feasibility and Permitting. The Work Assignment start date will be the date of the authorization of the Work Assignment by Manatee County. This Work Assignment will remain in effect through the completion of the final report. The schedule is based on submittal of the consolidated WUP application on or about April 15, 2011.

**Description**

**Months Following WA Approval**

Task 6 – Change Order No. 2

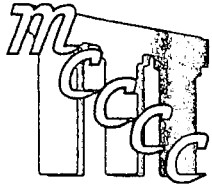
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MAN-HOUR AND COST ESTIMATE  
RO Plant Storage -  
Phase 2 Feasibility and Permitting  
Change Order #2  
MANATEE COUNTY, FL

<b>TASK 6: CHANGE ORDER NO. 2</b>		\$ 175	\$ 130	\$ 93	\$ 63	\$ 51	-----	
<b>TASK</b>	<b>Description</b>	<b>Project Principal</b>	<b>Project Manager</b>	<b>Sr. Design Engineer</b>	<b>Sr. CADD Technician</b>	<b>Admin. Assistant</b>	<b>TOTAL PROJECT</b>	
<b>A.</b>	Prepare Aquifer Testing Analysis and Summary	1	4	8	4	4	\$1,895	
<b>B.</b>	Groundwater Flow Modeling	1	4	4	4	2	\$1,421	
<b>C.</b>	Wellfield Monitoring Plan		4	8	16	4	\$2,476	
<b>D.</b>	Address Conditions for Issuance of Permit		2	4		1	\$683	
<b>E.</b>	Prepare and Submit Current RAI Response Package	2	16	40	12	8	\$7,314	
<b>F.</b>	Follow-up RAI Responses	2	16	60	12	16	\$9,582	
<b>G.</b>	Meetings with County and SWFWMD	4	8			2	\$1,842	
-----	Total Man-hours	10	54	124	48	37	273 hrs	
-----	Total Man-hour Cost	\$ 1,750	\$ 7,020	\$ 11,532	\$ 3,024	\$ 1,887	\$ 25,213	
-----	<b>Subcontractors</b>						-----	
-----	Hydrogeology - Leggette, Brashears & Graham	(\$60,808 + 6,081 McKim & Creed administrative fee)						\$ 66,889
-----	<b>Subcontractor Subtotal</b>						\$ 66,889	
-----	<b>Other Direct Costs (Printing, Copying &amp; Shipping)</b>						\$ 1,800	
-----	<b>TOTAL COSTS</b>						\$93,902	

Task	Principal \$190		Project Hydrogeologist \$164		Hydrogeologist II \$90		Hydrogeologist I \$77		CAD \$81		Word Processing \$54		Task Total
	Hrs	Cost	Hrs	Cost	Hrs	Cost	Hrs	Cost	Hrs	Cost	Hrs	Cost	
Question 14 APT Analysis (Task A)	2	\$380	12	\$1,968	0	\$0	0	\$0	3	\$243	0	\$0	\$2,591
Question 15 GW Modeling (Task B)	24	\$4,560	120	\$19,680	0	\$0	0	\$0	24	\$1,944	0	\$0	\$26,184
Question 16 Monitoring Plan (Task C)	4	\$760	16	\$2,624		\$0		\$0	2	\$162	0	\$0	\$3,546
Question 20 Cond. For Issuance (Task D)	2	\$380	8	\$1,312	0	\$0	0	\$0	2	\$162	1	\$54	\$1,908
Follow-up RAI Responses (Task F)	35	\$6,650	80	\$13,120	0	\$0	0	\$0	16	\$1,296	1	\$54	\$21,120
Meetings (Task G)	12	\$2,280	10	\$1,640	0	\$0	0	\$0	0	\$0	0	\$0	\$3,920
<b>Total Labor</b>	<b>79</b>	<b>\$15,010</b>	<b>246</b>	<b>\$40,344</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>47</b>	<b>\$3,807</b>	<b>2</b>	<b>108</b>	<b>\$59,269</b>
<b>EXPENSES</b>													
	unit	Quantity	Unit Cost	Cost	Markup	Total Cost							
Well Contractor	/well	0	\$0	\$0	1	\$0							
Mileage	miles	0	\$0.00	\$0	1	\$0							
	miles	0	\$0.00	\$0	1	\$0							
Equipment													
Water Level Indicator	/day	0	\$20	\$0	1	\$0							
Conductivity Meter	/day	0	\$25	\$0	1	\$0							
Turbidity Meter	/day	0	\$30	\$0	1	\$0							
dataloggers	/day	0	\$200	\$0	1	\$0							
Other direct costs - printing, copying, shipping						\$1,539							
<b>TOTAL PROJECT COST</b>													
Task	Labor	Expenses	Total Cost										
APT Analysis	\$2,591	\$97	\$2,688										
GW Modeling	\$26,184	\$1,028	\$27,212										
Monitoring Plan	\$3,546	\$142	\$3,688										
Conditions for Issuance	\$1,908	\$92	\$2,000										
Follow-up RAI Responses	\$21,120	\$100	\$21,220										
Meetings	\$3,920	\$80	\$4,000										
<b>Total Project Cost</b>	<b>\$59,269</b>	<b>\$1,539</b>	<b>\$60,808</b>										





**Manatee County**

**Clerk of the Circuit Court and Comptroller**

**R.B. "Chips" Shore**

P.O. Box 25400 ◊ Bradenton, Florida 34206 ◊ (941) 749-1800 ◊ FAX (941) 741-4082 ◊ [www.manateeclerk.com](http://www.manateeclerk.com)

February 22, 2011

**TO:** McKim & Creed  
Attn: Mr. Phillip J. Locke  
1365 Hamlet Avenue  
Clearwater, Florida 33756

**FROM** Clerk of Circuit Court  
Board Records Department  
Vicki P. Jarratt  
P.O. Box 25400  
Bradenton, Florida 34206

**RE:** **RO Plant and Storage - Phase 2 Feasibility and Permitting -**  
Change Order Two to agreement with McKim & Creed; increase of  
\$93,902, adjusted total \$917,615.

**ACCEPTED:** In open session by the Manatee County Board of County  
Commissioners on **February 22, 2011.**

RBS:vpj  
Enclosure

# MEMORANDUM



FINANCIAL MANAGEMENT  
DEPARTMENT  
Purchasing Division  
1112 Manatee Avenue West  
Bradenton, FL 34205

MANATEE COUNTY  
FLORIDA

Phone: 941.749-3045  
Fax: 941.749-3034  
donna.stevens@mymanatee.org

To: Susan Romine, Supervisor  
Board Records

From: Donna M. Stevens  
Purchasing Office

Date: February <sup>16</sup>/~~11~~, 2011

Subject: Contract Documents – Ref. Change Order # 2 to Work Assignment # EOR-58  
RO Plant & Storage – Phase 2 Feasibility and Permitting  
(Contract # 06-1999TC)-----Project No. (6069570 1.1)

RECEIVED  
FEB 19 2011  
BOARD RECORDS

Please accept into record the enclosed Work Assignment Number: EOR-58 change order no. 2 (reference W6000083) dated February 1, 2011 for **\$93,902.00** increasing the contract from **\$823,713.00** to **\$917,615.00** in accordance with Manatee County Code of Laws, Chapter 2-26 Manatee County Purchasing Ordinance, Section 2-26-40 and the standards and procedures approved by the County Administrator.

Please forward for inclusion in the Board of County Commissioners Consent Agenda, Clerk's Consent Calendar.

Instructions to Board Records:

**Original to:**

Board Records

McKim & Creed, Attn. Mr. Philip J. Locke, 1365 Hamlet Ave, Clearwater, FL 33756.

**Recording confirmation to:**

Donna M. Stevens, Purchasing Division

Billie McLeod, Fiscal Analyst, Public Works Department

Jeff Streitmatter, Project Manager, Public Works Department

ACCEPTED IN OPEN SESSION

FEB 22 2011

BOARD OF COUNTY COMMISSIONERS  
MANATEE COUNTY, FLORIDA

If you require any additional background or information, please call me at Ext. 3045.

Thank you.

Attachments to Board Records only: (signed and dated: 2/16/11)

- 1) Contract Document (2 originals)
- 2) Department Memorandum dated January 20, 2011
- 3) Source Selection
- 4) Letters from McKim & Creed and Leggette, Brashears & Graham, Inc dated 2/9/2011.

# MANATEE COUNTY GOVERNMENT SOURCE SELECTION

NOTE: THIS IS NOT REWARDED AS TOTAL \$ < LAW

<b>SUBJECT</b>	C/O # 2 to W6000083 (WA#58) RO Plant & Storage – Phase 2 Feasibility and Permitting	<b>DATE POSTED</b>	N/A
<b>PURCHASING REPRESENTATIVE</b>	Donna M. Stevens 749-3045	<b>DATE CONTRACT SHALL BE AWARDED</b>	February 11, 2011
<b>DEPARTMENT</b>	Financial Management Dept. Purchasing Division	<b>CONSEQUENCES IF DEFERRED</b>	N/A
<b>SOURCE RECOMMENDATION</b>	McKim & Creed	<b>AUTHORIZED BY DATE</b>	R.C. "Rob" Cuthbert, Purchasing Official x 3014 February 11, 2011

### ACTION DESIRED

Authorization for the Purchasing Official to execute Change Order # 2 (WA#58) to Contract # W6000083 for additional services with McKim & Creed, 1365 Hamlet Avenue Clearwater, Florida 33756 for an increase of \$ 93,902.00 adjusting the Contract amount to \$917,615.00.

### ENABLING/REGULATING AUTHORITY

Federal/State law(s), administrative ruling(s), Manatee County Comp Plan/Land Development Code, ordinances, resolutions, policy.)

Manatee County Code of Laws, Chapter 2-26 Manatee County Purchasing Ordinance, Section 2-26-45 Contract Administration and the Standards and Procedures approved by the County Administrator.

### BACKGROUND/DISCUSSION

- The original application was submitted as an individual WUP (Water Use Permit) for the proposed North County well field. Based on review of the application, SWFWMD has indicated that a consolidated permit would be a better method to permit this new source.
- Funding Source: Utility Rates
- See page 2 for further details

### SUMMARY

- Recommend the change order # 2 to W6000083 (WA#58) North Manatee County Well Field for additional Feasibility and Permitting Services.

### ATTACHMENTS: (List in order as attached)

- Board Records Document
- Department Memorandum dated February January 20, 2011
- Change Order # 2 ( 2 originals)

### INSTRUCTIONS TO BOARD RECORDS:

Originals to Board Records, McKim & Creed, 1365 Hamlet Ave, Clearwater, FL 33756.  
Complete copy set to Donna M. Stevens/Purchasing.  
Copy of signature page to Billie McLeod and Jeff Streitmatter/Project Management, Public Works Department.

<b>COST</b>	\$93,902.00	<b>SOURCE (ACCT# &amp; NAME)</b>	4046069570-531000/6069570-0001 WTR/N. County Well Treatment
<b>COMMENTS</b>	N/A	<b>AMT./FREQ. OF RECURRING COSTS (ATTACH FISCAL IMPACT STATEMENT)</b>	N/A

- Additional activities (RP Plant & Storage – Phase 2 Feasibility and Permitting) to respond to Southwest Florida Water Management District (SWFWMD) request for additional information associated with a consolidated Water Use Permit (WUP) application.
- The consolidated WUP (Water Use Permit) application will be for all three sources, including the East County Well field and Lake Manatee and consolidate all of the WUP's into one.
- Leggette, Brashears & Graham, Inc. (a sub-consultant of McKim & Creed) has prepared a proposal for Hydrogeologic Services related to the Manatee County Consolidated WUP RAI responses.
- LBG services for this project will perform analyses and prepare responses to the SWFWMD Request for Additional Information (RAI) letter dated September 16, 2010 and potentially two follow-up RAI's
- Change Order No. 1 to Work assignment EOR 58 provided the services for this well construction, testing and permitting.
- This project will be managed by Public Works/Project Management Division.

# MEMORANDUM

*Donna*



**PUBLIC WORKS DEPARTMENT**  
Project Management Division  
1022 26th Avenue E.  
Bradenton, FL 34208

**MANATEE COUNTY**  
FLORIDA

Phone: 941-708-7450  
Fax: 941-708-7549  
[www.mymanatee.org](http://www.mymanatee.org)

**To:** R.C. "Rob" Cuthbert, C.P.M., C.P.P.O., Purchasing Manager  
**From:** Bruce Simington, Project Management Division Manager  
**Date:** January 20, 2011  
**Subject:** Work Assignment No. EOR-58, Change Order No. 2  
RO Plant & Storage - Phase 2 Feasibility and Permitting  
McKim & Creed

*[Handwritten signature]*

Attached is Change Order No.2 to Work Assignment No. EOR-58 with McKim & Creed for services to obtain and provide information required by the Southwest Florida Water Management District (SWFWMD) associated with a consolidated Water Use Permit (WUP) application. The original application was submitted as an individual WUP for the proposed North County wellfield. Based on review of the application, SWFWMD has indicated that a consolidated permit would be a better method to permit this new source. The consolidated WUP application will be for all three sources, including the East County Wellfield and Lake Manatee, and consolidate all of the WUP's into one.

The draft Change Order was submitted to Public Works for review and negotiations in the amount of \$101,091. The final negotiated estimate for this work assignment, in the amount of \$93,902, has been reviewed by the appropriate County staff and found to be acceptable. This Change Order increases the contract amount by \$93,902, from \$823,713 to 917,615. Upon approval, please provide a copy of the revised Purchase Order. The funding source for this work assignment is Utility Rates.

Please contact Jeff Streitmatter, if you have any questions regarding the attached documents.

Thank you for your continued assistance.

**Cc:** Daniel T. Gray, Director, Utilities  
Ron Schulhofer, Director, Public Works  
Sia Mollanazar, P.E., Deputy Director, Engineering Services  
Jeff Streitmatter, P.E., Project Manager  
Project File: 6069570 1.1

*[Handwritten stamp: PURCHASING 2011 JAN 25 AM 8:19]*



ENGINEERS  
SURVEYORS  
PLANNERS

February 9, 2011

Mr. Jeff Streitmatter  
Project Manager  
Manatee County Project Management  
1022 26<sup>th</sup> Avenue East  
Bradenton, Florida 34208

**Re: RO Plant & Storage – Phase 2 Feasibility and Permitting  
EOR-58  
Change Order No. 2 –Supplementary Information**

Dear Jeff:

As requested, please find the attached proposal for the work from Leggette, Brashears & Graham, Inc. for their work associated with the referenced project. We have reviewed the costs for the work and feel they are fair and reasonable for the work involved. We are also confident of the quality of work that will be provided to the County that is needed to respond to the current SWFWMD Request for Additional Information for this critical water supply project.

Please feel free to contact me if you need any additional information or have any questions.

Sincerely,  
McKIM & CREED, P.A.

A handwritten signature in cursive script that reads "Phillip J. Locke".

Phillip J. Locke, P.E.  
Senior Project Manager

1365 Hamlet Avenue  
Clearwater, FL 33765

727.442.7196.

Fax 727.461.3827

[www.mckimcreed.com](http://www.mckimcreed.com)

**LEGGETTE, BRASHEARS & GRAHAM, INC.**

**PROFESSIONAL GROUND-WATER AND  
ENVIRONMENTAL ENGINEERING SERVICES**

---

10014 NORTH DALE MABRY HIGHWAY  
SUITE 205  
TAMPA, FLORIDA 33618  
813-968-5882  
FAX 813-968-9244  
www.lbgweb.com

February 9, 2011

Mr. Phil Locke, P.E.  
McKim & Creed, P.A.  
1365 Hamlet Avenue  
Clearwater, FL 33756

**RE: Proposal for Hydrogeologic Services Related to the Manatee County  
Consolidated WUP RAI Responses**

Dear Mr. Locke:

Leggette, Brashears & Graham Inc. (LBG) is pleased to provide this proposal to provide hydrogeologic services for Water Use Permitting (WUP) services for Manatee County's consolidated WUP. Specifically, for this project we will perform analyses and prepare responses to the SWFWMD Request for Additional Information (RAI) letter dated September 16, 2010 and potentially two follow-up RAI's. It is our understanding that there are a number of questions in that RAI letter that we have been asked to respond to. Following is our scope of work and estimated cost to complete those services.

**Task 1 – Question 14 – Aquifer Testing Analysis**

LBG will provide a detailed discussion of the hydrogeologic studies recently performed for both the Intermediate and upper Floridan aquifers. As you know, aquifer performance tests were conducted on both aquifers and technical reports were prepared. The District has asked that this detailed discussion be provided that shows support for the requested quantities for this WUP.

Cost - \$2,688

**Task 2 – Question 15 – Groundwater Flow Modeling**

LBG will prepare a groundwater model based on site-specific parameters and the existing District model to perform an impact analysis for the requested withdrawals. The modeling is needed in order to assist in providing reasonable assurance that environmental features and existing legal users will not be impacted from the withdrawals. The model will also be utilized to assist in developing a well field monitoring plan, as discussed in the next task.

Cost - \$27,212

**Task 3 - Question 16 – Well Field Monitoring Plan**

LBG will prepare a comprehensive Well Field Monitoring Plan based on site-specific hydrogeologic data. As we understand, the intent of the monitoring is to assist in providing reasonable assurance that

environmental features and existing legal users are not impacted by the withdrawals. The monitoring plan will consist of a number of dedicated monitoring wells located in the well field area that monitor both water levels and ground-water quality in both the Intermediate and upper Floridan aquifer.

Cost - \$3,688

#### **Task 4 - Question 20 – Conditions for Issuance**

LBG will assist in the preparation of addressing the 40D-2.301 Condition for Issuance. The modeling results from Task 1 above will be necessary to assist in addressing the Conditions for Issuance. There are 14 of these conditions that the District uses in their impact analysis for the WUP application. These will be addressed along with the description of the modeling effort in the Impact Analysis report.

Cost - \$2,000

#### **Task 5 – Follow-up RAI Responses**

LBG will participate in the preparation of two additional RAI responses. It is anticipated that two meetings will be necessary for each additional RAI response; one each with the project team and one each with the SWFWMD. Typically, additional RAI's require additional modeling and clarification of previously submitted hydrogeological analysis. The costs for additional RAI's are also usually somewhat less than the first RAI. In this case, the second RAI is estimated to be less than the first or current RAI, and the third RAI is estimated to be less than the second RAI.

Cost - \$21,220

#### **Task 6 – Meetings/Consultation**

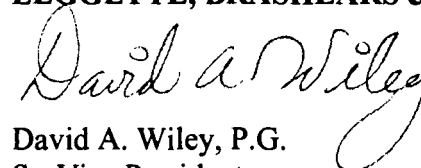
LBG will participate in three meetings associated with the current RAI process. Two of the meetings will be with Manatee County and one meeting with the SWFWMD.

Cost - \$4,000

The total estimated cost to complete the above services is \$60,808. If you have any questions or comments about this scope and budget, please contact me. We appreciate the opportunity to provide our services to McKim & Creed and Manatee County, and look forward to working with you on this project.

Very truly yours,

**LEGGETTE, BRASHEARS & GRAHAM, INC.**



David A. Wiley, P.G.  
Sr. Vice President

DAW/dg



**From:** Vicki Jarratt

**Sent:** Tuesday, February 22, 2011 2:58 PM

**To:** 'donna.stevens@mymanatee.org'; 'billie.mcleod@mymanatee.org'; 'jeff.streitmatter@mymanatee.org'

**Subject:** RO Plant & Storage, Phase 2 Feasibility and Permitting

**Attachments:** BC20110222DOCC28.PDF

Attached is Change Order 2 for the RO Plant & Storage, Phase 2 Feasibility and Permitting accepted by the BCC on 2/22/11.

Best regards,

Vicki Jarratt

Board Records

For R.B. "Chips" Shore

Manatee County Clerk of Circuit Court & Comptroller

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