05-08-138

SCOPE OF WORK NASSAU-AMELIA UTILITIES WWTF 2008/2009 PERMIT RENEWAL

Contact with FDEP regarding the renewal of the permit for the referenced facility indicates that the following forms and/or information will be required:

1. FDEP Form 1

PB505

- 2. FDEP Form 2A
- 3. Capacity Analysis Report
- 4. O&M Performance Report
- 5. Process Flow Diagram
- 6. Site Plan
- 7. Location Map
- 8. Agricultural Use Plan or Dedicated Site Plan or a sludge disposal agreement
- 9. Binding Agreements and Documentation of Controls on Individual Users of Reclaimed Water
- 10. Reclaimed Water or Effluent Analysis Report

Additional information that must be provided in order to complete Form 2A and the individual reports includes but may not be limited to the following:

- 1. The most recent sludge analysis
- 2. A summary of the groundwater monitoring data
- 3. A summary of the influent and effluent data
- 4. Summarized flow data for 10 years or each year the facility has been in operation
- 5. Growth projections for the service area
- 6. Copies of any orders or notices issued by FDEP

Task 1 Project Kick off and Data Collection

Task 1 requires gathering the data and completing Form 1 and Form 2A. PBSJ will work directly with the NAU staff to obtain the required data and complete the required forms and reports. A Project Kickoff meeting will be held with NAU Staff.

Task 2 Permitting Forms

Task 1 requires gathering the data and completing Form 1 and Form 2A. PBSJ will work directly with the NAU staff to obtain the required data and complete the required forms and reports. Draft copies of the forms will be submitted for review and approval prior to preparing the final submittal.

SCOPE OF WORK NASSAU-AMELIA UTILITIES WWTF 2008/2009 PERMIT RENEWAL Task 3 Operation and Maintenance and Performance Report

The O&M Performance report requires an inspection of the facility in the company of the chief operator and an evaluation of the performance of the treatment plant. Data required include the following:

- 1. A summary of the groundwater monitoring data
- 2. A summary of the influent and effluent data
- 3. Reclaimed Water or Effluent Analysis Report
- 4. The Operating Protocol for the Facility
- 5. The dates on which the Operating Protocol has been updated since the last renewal

Using the data provided, PBSJ will develop the required report and submit a draft for review prior to final submittal. The owner and the chief operator will be required to sign the final document prior to submission to FDEP.

Task 4 Capacity Analysis Report

Because the facility has exceeded fifty percent of the design capacity an initial capacity analysis report will be required to define the status of the facility and the requirements for planning and implementing expansion of the facility. Data required will include the summarized flow data since the startup of the facility and growth projections for the service area. PBSJ will develop the required analysis and submit a draft for review prior to final submittal.

Task 5 Response to Request for Additional Information

Although every effort will be made to submit a complete permitting package, request for additional information from FDEP can be expected. Should additional time an effort in excess of this fee be required, PBSJ will advise the NAU prior to proceeding.

<u>Submittals</u>

A 1 1

. .

PBSJ will provide three copies of each form or report for review and comment prior to assembly of the final permitting package. The final permitting package will be assembled in a single bound document for signature and submittal to FDEP. The submittal package will include the following:

- 1. Two copies for signature and submittal along with the permit fee of \$5,000 provided by NAU. The check for the permit fee should be made out to the Florida Department of Environmental Regulation for renewal of NAU Wastewater Treatment Plant Operating Permit #FLA011688.
- 2. Two copies of the final package for distribution to the treatment plant and the NAU files.
- 3. A CD containing the electronic files for the submittal.

Total Estimated Cost

The total Lump Sum cost for the Scope of Work presented above is \$38,326.

SCOPE OF WORK NASSAU-AMELIA UTILITIES WWTF 2008/2009 PERMIT RENEWAL

<u>Schedule</u>

· . ·

۰,

For this project, PBSJ estimates that if the required data and the reviews of the draft submittals can be provided in a timely manner the final permitting package can be completed and ready for submittal within 7 weeks of Notice to Proceed.

DATED this **18th** day of **June** , 2008

1. A. A.

.

BOARD OF COUNTY COMMISSIONERS NASSAU COUNTY, FLORIDA

arshall . –

Marianne Marshall Its: Chair

ATTEST: OS TO Chem

John A. Crawford EBK 4/18/08 Its: Ex-Officio Cherk

S

Robert A. Morrell, P.E. Vice President for PBS&J

Approved as to form by the Nassau County Attorney:

David A. Hallman

٣

ALC: NO

and the super-strategy and the state of the

A REPORT OF A DESCRIPTION OF A DESCRIPTI

1

• •

PROJECT BUDGET WORKSHEET

Client: Nassau County							Labor Multiplier: Reimbursable Multiplier:		1.00
Project: Nassau Amelia Utilities Permit Renewal 2008									1.00
Project No:							Prepared By:		
Labor Costs Personnel Classificat		<u>]</u> Kick Off Data Collection	2 Forms	<u>3</u> O&M Performance	<u>4</u> Capacity Analysis	5 Response to RAIs	Total Manhours	Raw Labor Cost	Multiplied Labor Cost
							0	\$0	SO
Sr. Program Manag		1	1	1	1	1	5	\$923	\$923
Sr. Engineer IV Sr. Engineer III	\$184.50 \$154.47	8	8	8 24	8	16 16	48	\$8,856 \$11,122	\$8,856 \$11,122
Engineer II	\$82.72	8	0	80	40		128	\$10,588	\$10,588
					-		0	\$0	\$0
							0	\$0	\$0
							0	\$0	S0
				16	14		0 56	\$0 \$2,870	\$0 \$2.870
CADD/GIS Operat	or <u>\$51.25</u> \$42.54		4	8	16 8	8	24	\$1,021	\$2,870
				0		+	0	\$1,021	51,021
Total Hours		25	37	137	89	45	333		
Raw Labor Cost	Printing and print man and and	\$3,558	\$3,886	\$13,146	\$8,601	\$6,188		\$35,379	
Mult. Labor Cos	State of the state of the state of the	\$3,558	\$3,886	\$13,146	\$8,601	\$6,188			\$35,379
	Charles a long or young of the standard match of						and the second		
Reimbursable Costs								Reimbursable <u>Costs</u>	Multiplied <u>Costs</u>
Local Transportation		\$250	\$200	\$250	\$50	\$250		\$1,000	\$1,000
Other Travel			+200					\$0	\$0
PC Comp	PC Computer		\$100	\$100	\$100	1		\$300	\$300
	PC Cadd		\$100	\$100	\$100			\$300	\$300
Printing		\$500				\$50		\$550	\$550
Telephone Courier			\$50	\$50	\$50	<u> </u>		\$150 \$0	\$150 \$0
Miscellaneous		\$105		\$89	S289	\$2		\$0 \$647	\$0 \$647
			5102	<i>407</i>	5107			Ψ Ο Π/	
Total Reimbursables		\$855	\$612	\$589	\$589	\$302		\$2,947	ensener fichte
Total Mult. Rein	Total Mult. Reimbursables		\$612	\$589	\$589	\$302			\$2,947
Total Project Budget		\$4,413	\$4,498	\$13,735	\$9,190	\$6,490			\$38,326