

MEMORANDUM

TO: Albrej Arrington, Ph.D. / Loxahatchee River District

COPY: Clint Yerkes / Loxahatchee River District
Tom Vaughn / Loxahatchee River District
John Koroshec / Hazen and Sawyer
Felipe Martinez / Hazen and Sawyer

FROM: Albert Muniz / Hazen and Sawyer

DATE: February 12, 2015

FILE: 42009-012.3.1.3

SUBJECT: Loxahatchee River District
Engineer's Monthly Status Report through January 2015

The following is a summary of work performed by Hazen and Sawyer, P.C. (H&S) on Loxahatchee River District (LRD) projects through the above referenced date.

General Operational Assistance – This project involves providing LRD with engineering assistance related to wastewater operations.

Monthly Progress

- LRD staff and H&S personnel continue to communicate to discuss plant operations. The wastewater treatment process continues to operate well
- H&S is coordinating with drilling contractors to construct additional groundwater monitor wells and abandon wells which will no longer be utilized in accordance with FDEP requirements. It is anticipated that work will be completed by end of March 2015

Deep Bed Sand Filters – Final Design and Construction Management Services – The existing traveling bridge filters and filter structure have served the LRD wastewater treatment facility for over 20 years and are in need of significant rehabilitation and repair. In lieu of repair and replacement, it is the LRD staff's desire to replace the filters with deep bed sand filters. Deep bed filters offer additional benefits over traveling bridge filters including de-nitrification capabilities as well as proven performance during plant upset conditions. A Preliminary Design Report for construction of the deep bed filters was prepared and submitted to the LRD in March 2014. This PDR provides a conceptual design and layout of the filtration system and concluded the first part of the overall design phase. The next phase will be final design. This portion of the project was initiated with approval of the design and construction phase services task order by the Board during the April 2014 Board Meeting. The approved task order includes final design and construction phase

services.

Monthly Progress

- H&S continues to work on completion of the design documents. H&S has had ongoing coordination meetings with facility staff to discuss various design issues including re-routing of the main electrical feed
- The 60% complete design documents were submitted one October 21, 2014
- An inspection of Filter Pump Station No. 1 wet well was performed by H&S staff during the scheduled plant shutdown the night of October 29, 2014. The inspection was performed to evaluate the condition of the wet well in addition to the overflow weir gate diverting flow to the injection well pump station.
- The VE team received and reviewed the 60% complete contract documents. Comments from the VE team were received by the design team on November 3, 2014
- A review meeting / workshop was held with the VE team, LRD staff and the design team on November 13, 2014 to discuss comments
- The design team also met with LRD staff on November 14, 2014
- Review comments are being incorporated as applicable and the design is progressing towards 90% completion. On March 6, H&S will submit the 90% complete set of contract documents. A review meeting will be held with LRD staff to discuss comments following the submittal of the 90% complete documents
- A constructability review based on the 90% complete documents will be performed in March 2015. Constructability review comments, as applicable, will be incorporated into the final contract documents
- Permitting of the project is continuing. The permit process for both the FDEP Environmental Resource Permit (ERP) and FDEP construction permit were initiated. H&S has received confirmation from FDEP that an ERP will not be required for the project. H&S also anticipates submittal to FDEP of the FDEP construction permit application package to occur no later than February 20, 2015.

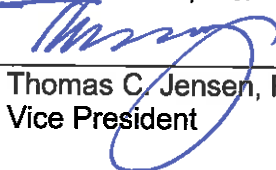
As always, please feel free to contact us should you have any questions or need to discuss the progress of any of the above projects in more detail.

**LOXAHATCHEE RIVER ENVIRONMENTAL CONTROL DISTRICT
ENGINEER'S MONTHLY STATUS REPORT THRU JANUARY 31, 2015**

JUPITER INLET COLONY NEIGHBORHOOD REHABILITATION

- Submitted preliminary design plans and specifications for District review on January 27, 2015.
- Submitted draft permit application for District review on January 27, 2015
- Continued with design of water distribution system
- Completed installation of three (3) monitoring wells and commenced with data collection for use in the dewatering permit application.
- Developed entrance road design concepts for the Mayor's use.

ARCADIS US, Inc.



Thomas C. Jensen, PE
Vice President



January 2015
WGI MONTHLY PROGRESS REPORT

Project Title	Ocean Cove Force Main
Project Number(s)	LRD P.O. No.: 47357 WGI No: 40910986.06
WGI Project Manager	James W. Richie, PE <i>JR</i>

① Work Completed This Month

- Pre-construction meeting

② Anticipated Work Next Month

- Submittals
- Begin construction

③ Services Anticipated After Next Month

- Construction phase

④ Critical Issues (Milestones)

- None

☞ WE APPRECIATE THE OPPORTUNITY TO SERVE YOU! ☞



*Loxahatchee River Environmental Control District
Monthly Status Report
February 12, 2015*

Submitted To: Clinton Yerkes, Deputy Director

The following is a summary of work performed by Mathews Consulting, Inc. (MC) on District projects through February 12, 2015.

Fox Run Neighborhood Sewering

The project was bid on 11-6-14. Five bids were received. MC recommended award of the Construction Contract to the Lazarus Group in the amount of \$155,767. MC provided the District with the Conformed Construction documents. MC is currently waiting for the Public Meeting to be scheduled.

Set-N-Sun Neighborhood Sewering

This project was bid on 12-4-14. Three bids were received. MC recommended award of the Construction Contract to the Lazarus Group in the amount of \$98,402. MC provided the District with the Conformed Construction documents. MC is currently waiting for the Public Meeting to be scheduled.

Little Oaks / River Oaks Neighborhood Sewering

MC submitted the 75% Design package to the District on 2-5-15. The soil borings and soft digs in the project area have been completed and the information is shown on the 75% plans. A 75% design review meeting will be held in the near future to obtain the District's comments.

Northwest Service Area Wastewater Hydraulic Model Update

The Final Report was submitted to the District on January 30, 2015. The project is complete.

Respectfully Submitted by:

MATHEWS CONSULTING, INC.

Rene L. Mathews, P.E.
President