

**Central Wastewater Region Large User Advisory Board Meeting
Wednesday January 24, 2018 – 1:30 P.M.
City Hall, City of Wilton Manors**

Voting Members Present:

Miguel Arroyo, City of Fort Lauderdale / Water and Wastewater Treatment manager
Susan LeSage, City of Fort Lauderdale / Business Manager
Rhonda M Hasan, City of Fort Lauderdale / Assistant City Attorney III
Chris Lips, City of Oakland Park / Utilities Manager
David Archacki, City of Wilton Manors / Utilities Director

In Attendance:

Brian London, City of Tamarac / Wastewater Supervisor
Chet Jablonka, City of Tamarac / Maintenance Supervisor
Carol Conol, City of Wilton Manors / Assistant Finance Director
Bob Mays, City of Wilton Manors, Finance Director
Kym Holcombe, City of Fort Lauderdale / Financial Administration
Justin Murray, City of Fort Lauderdale / Regional Wastewater Facilities Manager
Erin Saey, City of Fort Lauderdale / Administrative Assistant I

Welcome – Mr. Talal Abi-Karam

Mr. Abi-Karam called the meeting to order to 1:34 p.m., thanked City of Wilton Manors for hosting the meeting, welcomed everyone, asked everyone to introduce themselves, and verified there was a quorum. Mr. Abi-Karam stated this meeting is for wastewater issues only.

Approval of August 9 ,2017 Meeting Minutes

Miguel Arroyo made a motion to approve the meeting minutes for August 9, 2017. Chris Lips seconded. The meeting minutes for the August 9, 2017 were approved. Vote was unanimous.

Update on the G.T. Lohmeyer Wastewater Treatment Plant – Justin Murray

Construction Project Updates

- P11710 (Emergency Generator/Switchgear Upgrades) - The contractor (Florida Design Contractors, Inc. (FDC) is on schedule to complete the project in February 2018. The generator building and new equipment will enable the future connection of a portable 480V generator in case of FPL power failure.
- P11773 (PCCP Pipe Replacement – Stage 1) - The bypass pumping system is being connected and is expected to be tested and operational by February 2018. This bypass pumping system will carry half of the GTL wastewater flow (20 mgd) and move it between tanks. It consists of large diameter HDPE piping and portable diesel generators.
- P12107 (Sludge Weighing Truck Scales) – The estimated cost of this project was \$188,000. The winning bid was \$141,654.13. The project was completed on September 26, 2017 providing modern scales for both truck bays along with digital displays.
- P12171 (Butler Building Restoration at the Deepwell Site) - Engineering staff worked with BCC Engineering to perform the structural inspections. A preliminary planning order

of magnitude contractor's cost estimate would likely be more than \$300,000 to upgrade the building to meet current building codes. Engineering staff is considering recommendation options.

- P11770 (Main Air Compressor A at the Cryogenic Plant) – The estimated cost of the project was \$355,000. The winning bid was \$297,653. The project is substantially complete and MAC A is working very efficiently. Electrical savings will be determined at a later date.
- P12172 (Electrical Testing of GTL) – This project is currently underway and will provide a revised single line diagram of the plant, GTL and repair recommendations for large breakers and unit substations. Completion is scheduled for February 2018.
- The chlorine piping system in the Chlorine Building will be replaced along with the chlorinators and evaporators in the second quarter of 2018.

Capacity Issues

- Annual average flows for the last twelve months are currently at 39.5 MGD.

Operational Issues

- Four contractors are currently working onsite for projects P11710, P11773 and P11770, as well as additional contractors for maintenance projects. Ensuring the plant continues to meet permit limits while under construction is of foremost concern. Due to the high level of construction activities onsite, safety is paramount. City staff is closely monitoring all aspects of safety at the site.
- Two new effluent pump rotating mechanisms and check valves will be installed in February 2018. The estimated cost for the work is \$350,000 for these proprietary items.
- The biannual turnaround maintenance of the Liquid Oxygen Cryogenic plant at GTL was bid and awarded for \$450,000. The project is scheduled to start in March 2018.

Budgetary Issues

- The City is recommending the replacement of the addition of hydrogen peroxide with a new corrosion inhibitor at the wastewater collection (re-pumps). This initiative is estimated to add \$2.4 million every year. This chemical will protect the regional force mains, as well as expected to reduce hydrogen sulfide levels.
- The remaining two stages of the PCCP replacement project (P11773) cost will be significant due to required bypass pumping.
 - Estimated cost for Phase II or Sequence B = \$4.72 Million.
 - Estimated cost for Phase III or Sequence C = \$3.70 Million.

Old and New Business

- Public Works Engineering has been advised that an additional 15 motor control centers and associated unit substations will need to be replaced over the next five years, at an estimated cost of \$15 million.
- The GTL operational staff in consultation with the Public Works Engineering and its wastewater consultant, executed the task order to prepare a 30% design criteria package to replace the existing cryogenic plant (over 30 years old) with newer technology vacuum pressure swing absorption.

Mr. Murray stated there are currently two vacant Operator II positions and four new trainees who will soon be able to promote to Operator I positions, after taking the exams. Mr. Abi-Karam explained that the Master Plan completed by Reiss Engineering in April 2017 (which is posted on the City of Fort Lauderdale website) has allocated discussions in reference to GTL and its condition, the R&R and the I&I. The City has formed an Infrastructure Task Force to look at infrastructure related to water and sewer, as well as seawalls, road, bridges, etc. Members of the Task Force and members running for Commissioners had visited the GTL plant and were impressed by the Plant and its operation, but concerns were also expressed about the plant and its modernization. Mr. Abi-Karam stated a lot of projects are on-going at GTL and safety is paramount. Mr. Abi-Karam also explained some events that occurred during the hurricane season, and a couple of weaknesses that resulted because of the hurricane, e.g., existing FPL feeds.

Mr. Archacki asked about the flow now being at 39.5 mgd, as compared to the last meeting (August 9, 2017), where it was at 38.0 mgd, and asked about the capacity. Mr. Murray said the permitted capacity is at 56.6 mgd. Mr. Abi-Karam explained that the bulk of flow is related to I&I (according to Reiss report), and I&I reduction is being regarded in the near future.

Mr. Mays explained that the City of Wilton Manors have also invested in the I&I reduction.

Rate Calculations – Susan LeSage

Included in the packet given to the members were two handouts. Ms. LeSage stated one handout showed FY2017 anticipated rebates, billed at \$1.88 per thousand gallons and is currently at \$1.81 per thousand gallons, but work was still in process in the Accounting Department, and there may be a minimal change to the dollar amount for the rebates.

Ms. LeSage stated the second handout showed FY 2018 first quarter Central Region budget, which is well within the first quarter budget (25%), at about 19%.

Old/New Business

None at this time.

Next Meeting

The next meeting is scheduled for Wednesday, May 9, 2018 at 1:30 p.m. and will be in the Fiveash Training Room, City of Fort Lauderdale.

Adjournment

Meeting was adjourned at 1:58 p.m.