

Central Wastewater Region Large Users Advisory Board Meeting
Wednesday May 15, 2019 – 1:30 P.M.
George T. Lohmeyer Wastewater Treatment Plant, City of Fort Lauderdale

Voting Members Present:

Talal Abi-Karam, City of Fort Lauderdale / Assistant Public Works Director-Utilities
Miguel Arroyo, City of Fort Lauderdale / Water and Wastewater Treatment Manager
Rhonda Hasan, City of Fort Lauderdale / Assistant City Attorney III
Fernando Martinez, City of Oakland Park / Public Works Manager
David Archacki, City of Wilton Manors / Public Services Director

In Attendance:

Heather Moraitis, City Commissioner, District 1
Alicia Sheffield, City of Fort Lauderdale / Chief Accountant
Kym Holcombe, City of Fort Lauderdale / Interim Business Operations Manager
Kenya Baker, City of Fort Lauderdale / Senior Administrative Assistant
Justin Murray, City of Fort Lauderdale / Regional Wastewater Facilities Manager
Krishan Kandial, City of Fort Lauderdale / Acting Senior Project Manager
Bert Fisher, City of Wilton Manors / Office Manager
Carol Conol, City of Wilton Manors / Assistant Finance Director
Tim O'Neil, CDM Smith
Rafeela Persaud, City of Fort Lauderdale / Administrative Assistant I

Welcome – Mr. Talal Abi-Karam

Mr. Abi-Karam called the meeting to order at 1:34 p.m. Mr. Abi-Karam explained that the Plant is certified as an ISO 14001:2015 facility and is governed by a Risk Management Plan. He introduced Justin Murray, Wastewater Facilities Manager, who explained the safety rules and regulations of the Plant in the case of an emergency.

Mr. Abi-Karam welcomed everyone to the meeting and introduced Ms. Moraitis, City Commissioner, District 1. Mr. Abi-Karam then asked everyone to introduce themselves. Mr. Abi-Karam stated the business of the Large Users Advisory Board is structured in accordance with the City Ordinance and delegated strictly for wastewater. Mr. Abi-Karam verified there was a quorum.

Approval of January 23, 2019 Meeting Minutes

Mr. Abi-Karam introduced a motion to approve the January 23, 2019 meeting minutes. Miguel Arroyo made a motion to approve the meeting minutes. David Archacki seconded the motion. The meeting minutes for the January 23, 2019 were approved. Vote was unanimous.

Construction Project Updates

- P11773 (Prestressed Concrete Cylinder Pipe (PCCP) Replacement – Stage 2) - Stage 2 contract documents were advertised with a bid due date of June 11, 2019. The pre-bid meeting with interested parties is scheduled for May 20, 2019. Construction should begin in late 2019 at an estimated cost around \$4.7 million. ***Discussion as to when this item will be on the 2019 Commission Agenda and to plan accordingly due to Commission summer break, along with P12176.***
- P12171 (Pre-Engineered Metal Building Replacement at the Deepwell Site) - Engineering staff is working with a consultant to prepare a design/build criteria package to demolish the building and erect a new one in its place. The bid package should be ready for

advertisement in the summer of 2019. Emphasis has been placed on careful demolition of existing structure to avoid damage to the deepwells.

- P12172 (Electrical Testing of GTL) – The testing and repairs have been completed for this project and the report was received March 27, 2018. The City is expecting to receive the revised single line diagram of the plant to include the work completed under P11710 Electrical Upgrades by July 2019.
- P12469 (GTL Mechanical Integrity Testing) - The mechanical integrity of the five (5) deepwells will be tested along with well brushing during the summer of 2019. The bid was completed with multiple bidders and the project was awarded May 7, 2019. The plan to test the integrity was approved by FDEP with minor comments. ***Mr. Abi-Karam added that the each of the five deep wells goes down approximately 3,000 feet below the boulder zone and as time goes by, the inside casings are built up with scum and dirt which reduces the diameter of the pipes, as well as the carrying capacity of effluent to be injected. He stated that this project was done approximately five years ago and was a huge success. Mr. Abi-Karam stated this is a very critical project and is a companion discussion to the I&I.***
- The Administration Building roof was replaced in March 2019. The chlorine building roof will be replaced in the second half of 2019.
- P12176 (Motor Control Center Replacement - Stage 1) – The 100% plans and specifications were prepared, and the permitting process is complete. The bid will be advertised summer of 2019 and construction should begin in late 2019 at an estimated cost around \$5.0 million.
- P12438 (Freight Elevator Replacement) – A task order for engineering design and construction services for the modernization of the existing freight elevator in the Dewatering Building is being negotiated.

Capacity Issues

- Annual average flows for the last twelve months are currently at 38.3 MGD. *Mr. Murray stated that the GTL permit capacity is 56.6 MGD per three months.*

Operational Issues

- The last two new effluent pump rotating mechanisms are on schedule to be installed in summer of 2019. All treated effluent pumps will be less than two (2) years old when completed. One pump will be changed out at a time. *Mr. Murray invited guests for a tour of the plant after the meeting.*
- Installation of the two new effluent pump motors (1,250 - 1,750 HP) was completed on schedule in February 2019. The existing motors are currently stored by the vendor in case of future motor failure and reinstallation contracts are in place. This will eliminate additional emergency costs and reduce equipment downtime.
- An onsite training seminar for the maintenance of the existing belt filter presses is scheduled for June. This will assist new and experienced mechanics to learn factory recommended maintenance.

Budgetary Issues

- New capital improvement projects (CIP) will be added to the City's plan for the next five (5) fiscal years. The need for standby power for the entire site during Hurricane Irma has given priority to a standby generator project in the estimated range of \$15-16 Million. The condition of the deepwell injection site has given priority to an upgrade of the power and communication systems for all five (5) deepwells in the estimated range of \$2.5 Million. These projects need to begin design in the next fiscal year.
- The annual Repair & Replacement Analysis was completed by the consultant on May 7, 2019. The above-mentioned priority projects will be addressed with the current fund balance. Other future project monies were spread out over more years to minimize large annual contributions.

Old and New Business

- The GTL operational staff in consultation with the Public Works Engineering and its wastewater consultant executed a task order to prepare a 30% design criteria package (DCP) to replace the existing cryogenic plant (over 30 years old) with newer technology vacuum pressure swing absorption (VPSA). The latest cost estimate by the consultant for the VPSA was revised from \$10-15 million to \$8.9 M plus/minus 30%. The bidding for the DCP is pending a task order for bidding assistance.

Mr. Abi-Karam mentioned a few activities and participation on behalf of the City: (1) a meeting with the Broward County Auditor in regard to Port Everglades; (2) Mr. Murray will present a presentation to a Petroleum group at the Port Administration Building; (3) the R&R Report is in the final stages of being finalized; and (4) participation in a Biosolids conference (week of May 13, 2019).

Rate Calculations – Kym Holcombe

Ms. Holcombe stated that Ms. Susan LeSage has recently retired and she will be the interim until position is filled. Ms. Holcombe said that through the first six months, we are at 37.6% in the operating budget. The draft calculation of rates, which has not been audited as of date, is coming in at \$2.255.

Old/New Business

None.

Ms. Conol made a request for the financials be provided at least 24-hours before scheduled meeting.

Next Meeting

The next meeting is scheduled for Wednesday, July 31, 2019 at 1:30 p.m. and will be held at the City of Fort Lauderdale Fiveash Water Treatment Plant, 949 NW 38 Street, Fort Lauderdale, 33309.

Adjournment

Meeting was adjourned at 2:06 p.m.