

**Central Wastewater Region Large User Advisory Board Meeting  
Wednesday, November 18, 2009 – 1:30 p.m.  
Richardson Historic Park and Nature Preserve, Wilton Manors**

**Voting Members Present:**

Julie Leonard, City of Fort Lauderdale, Assistant Utilities Services Director, Operations  
Michael Kinneer, City of Fort Lauderdale, Director of Finance  
David Womacks, City of Oakland Park, Public Works Director  
David Archacki, City of Wilton Manors, Utilities Director

**In Attendance:**

Neil Buckeridge, Town of Davie, Superintendent of Operations  
Brian London, City of Tamarac, Wastewater Supervisor  
Chet Jablonka, City of Tamarac, Supervisor  
Susan LeSage, City of Fort Lauderdale, Financial Administrator  
Tim O'Neil, Camp Dresser & McKee, City of Fort Lauderdale Wastewater Consultant  
Ruth Burney, Camp Dresser & McKee, City of Fort Lauderdale Wastewater Consultant  
Pat Long, City of Fort Lauderdale, Wastewater Treatment Facility Manager, GTL  
Susan Smith, City of Oakland Park  
Lynda Flynn, City of Fort Lauderdale, Treasurer  
Mark Darmanin, City of Fort Lauderdale, Distribution & Collection Systems Manager  
Miguel Arroyo, City of Fort Lauderdale, Water & Wastewater Treatment Manager

**Welcome – Julie Leonard**

Ms. Leonard welcomed everyone and called the meeting to order at 1:35 p.m. by welcoming everyone to the 2009 final (quarterly) Advisory Board meeting and thanked David Archacki for having the meeting at their facility – the Richardson Historic Park and Nature Preserve.

**Introduction of Advisory Board Members and Guests**

All attendees introduced themselves.

**Approval of August 5, 2009 Minutes**

Mr. Arroyo made a motion to approve the minutes. Mr. Womacks seconded it. A vote to pass the minutes was unanimous.

**Update on the G.T. Lohmeyer Wastewater Treatment Plant – Pat Long**

**Construction Project Updates**

- Received rebuilt effluent pump rotating assembly which is now a spare unit.
- The City staff continues its efforts in reducing costs. To that effect, our bidding process yielded a reconditioning of a 1750 HP effluent motor #4 at a savings of \$2,200 over the work done to a 1250 HP motor one year ago.
- Influent Screening Equipment  
We will be evaluating replacements for the Auger Monster influent screens in the future for eventual replacement. A maintenance contract at @\$45,000/year is being reviewed and is

expected to be entered into to keep the current units in operation. The units will be scheduled to be totally rebuilt every two years. This will include inclined augers as we have recently had to replace the lower half of one unit and are in the process of replacing the other three.

- Influent channel concrete repair and an additional new 54" force main tie-in is being reviewed by the City's Project Management Team (PMT). This project is scheduled to begin in the near future.
- One of twelve reactor mixer splash guards has due to deterioration of the mounting brackets. After consultation with the mixer manufacturer and Air Products, it has been recommended to replace the guards. This will be accomplished, as planned per our R&R document, during a mixer replacement project to take place over the next two years.
- Five air release valves were replaced on the effluent injection well force main after two valves developed leaks.
- Currently have a bid advertised to apply protective coatings and minor stucko repairs of all building exteriors at the plant and all piping at the deepwell injection site. These projects are per the annual Renewal and Replacement report.

#### Additional Ongoing Projects:

- Cryogenic Facility Instrumentation System Upgrades – This project was let for bid October 28. It includes the following work:
  - PA system upgrade
  - Liquid Oxygen storage tank replacements
  - Concrete repair in dewatering building
  - Grit classifier replacement
  - Seal water system replacements
  - New hoisting equipment in pretreatment building to service influent screening area
  - New spare parts storage area in effluent building
  - Lime silo removal and roof repair

#### Capacity Issues

Annual average flows for the CY2009 are currently at 36 MGD. Population studies just released will be incorporated into the Capacity Analysis Report to be completed in March 2010.

#### Operational Issues

Injection well permit renewal application submitted November 6, 2008. Final Mechanical Integrity testing of the five wells was completed November 12. This week, we are applying a higher chlorine level to our effluent which will be followed by backflushing of the wells to attempt to improve performance. Two of our five wells have decreased in performance to a level that may need to be addressed with engineered cleaning procedures in the near future.

Investigation has been made concerning AC units that cool the effluent pump VFD rooms. We are in the process of replacing and relocating the units, through a variance process, to the originally designed location. Original designer of the system is redesigning the units to be bid for replacement. We have been informed that the units now may be able to be placed on the roof to avoid pad installation and unit relocation.

CDM has completed a project to update and convert to electronic format the plant Operation & Maintenance Manual that was last fully updated in 1989. This document is required by FDEP and information from the most current revision is often asked for during permit renewal processes. Plant staff will now be able to update and keep current the O & M manual on a continuous basis.

Florida DEP plant operating permit renewal application was submitted September 2009. We have received one Request for Information to which a response is being drafted and is due November 24. . One of the issues being addressed is the amount of Infiltration and Inflow, estimated at 50% of flows, being used for the data projections. The plant currently has four vacancies.

### **Budgetary Issues**

New biosolids hauler with lower rates, \$44.52/ton versus currently \$64.55/ton, takes over contract hauling December 15.

Mr. Womacks asked if the City has ever considered any energy conservation projects. Mr. Womacks stated that Broward County was awarded a performance based contract with FPL and is projecting to save approximately \$3M dollars annually. On a performance based contract, the savings are guaranteed over the operational costs yearly and they set up a payment plan to cover the costs of the improvements. Mr. Arroyo said the City is looking into some energy cost savings – the no-shedding system that has savings with FPL (approximately \$100,000 annually); a presentation with a consultant regarding a system that generates the methane wherein it becomes the reactor, which goes hand-in-hand with the reduction of the I&I which is a very exciting but challenging technology; and the solar power air condition to reduce not only the electrical costs but the man hours of trenching at the remote locations.

### **Rate Calculations – Susan LeSage**

Ms. LeSage stated that the actual calculation of rates would be ready in late January 2010. Ms. LeSage said from the last meeting, the rates will be around \$1.20 per thousand and was billed at the high end of \$1.24 per thousand, which could be lowered. Ms. LeSage said that the actual rates will be given out at the next meeting.

### **Old/New Business**

Ms. Leonard stated in regards to the Cost of Service Analysis - a scope of work was received from Burton and Associates and a Notice to Proceed was given to Burton and Associates last mid-October. Ms. Leonard said the City is in the process of collecting all data and expects it to be about a 6-month process. Ms. Leonard stated the Board can e-mail her with any questions and/or concerns which will then be forwarded to the Consultants.

A motion was made and seconded to adjourn the meeting at 2:00 p.m.