

**Central Wastewater Region Large User Advisory Board Meeting
Wednesday, January 11, 2012 – 1:30 p.m
Fiveash Regional Water Treatment Plant, Fort Lauderdale**

Voting Members Present:

Julie Leonard, City of Fort Lauderdale/Assistant Utilities Services Director, Operations
Don Halquist, City of Fort Lauderdale/Senior Accountant
Vicki Minard, City of Fort Lauderdale/Assistant City Attorney
Ken Resor, City of Oakland Park/Public Works Director
David Archacki, City of Wilton Manors/Public Services Director

In Attendance:

Mark Darmanin, City of Fort Lauderdale/Distribution and Collection Systems Manager
Pat Long, City of Fort Lauderdale/GTL Wastewater Treatment Facility Manager
Susan LeSage, City of Fort Lauderdale/Financial Administrator
Susan Smith, City of Oakland Park/Assistant Public Works Director
Ruth Burney, CDM Smith, Inc./City of Fort Lauderdale Wastewater Consultant
Tim O'Neil, CDM Smith, Inc./City of Fort Lauderdale Wastewater Consultant

Welcome – Julie Leonard

Julie Leonard welcomed everyone and called the meeting to order at 1:38 p.m.

Introduction of Advisory Board Members and Guests

All attendees introduced themselves.

Approval of August 10th and August 24th, 2011 Minutes

Susan Smith made a motion to approve the minutes from August 10th and August 24th. Don Halquist seconded it. A vote to pass the minutes was unanimous.

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

Construction Project Updates

- Influent Screening Equipment
Request for Proposals (RFP) were opened August 16, 2011. A review committee evaluated the RFP's received and recommended Cardinal Contractor's proposal to furnish and install new Huber RakeMax screens at a cost of \$1.4M. This recommendation was approved by Commission November 1, 2011. A purchase order and a notice to proceed have been issued for the work to begin January 9, 2012.

Failure of a 54" ductile iron pipe occurred August 18, 2011. Installation of an emergency line stop on a 24" cast iron line mitigated the leak after twenty hours of a sanitary sewer overflow (SSO). CDM will be revising the Regional inventory to more accurately describe its components and as a result the R & R maintenance program will be updated.

Mark Darmanin explained inventory at GTL showed the plant and the four (4) regional pump stations as being the only assets at the plant. Because one of the pump stations was decommissioned, it triggered the activity to check the inventory. The inventory will be increased to make sure all the assets are being associated with the regional fund. Some assets will be added and removed. This was reviewed by CDM as a task order and be on the agenda for the February 7, 2012 Commission meeting.

- Protective coating of concrete in influent channel was completed June 3, 2011. A change order to this project to replace a 48" tapping sleeve and replace at least two 48" valves and flow meter was approved. The isolation of the 54" line is scheduled to begin January 16, 2012.

Mark Darmanin warned the group they may see higher pressures leaving stations on January 16, 2012 and the days following as a pressure bubble fills around GTL.

Concurrently a second contractor will be replacing approximately 100' of suspect pipe and removing an inoperable 54" valve and an inoperable 24" valve. This portion of the project has been approved by the DEP as an "in-kind" project in lieu of a substantial portion of the accumulated fines resulting from the recent SSOs. The project is in excess of \$125,000.

Mr. Darmanin further explained Ms. Leonard, Larry Teich, Environmental Resource Supervisor, and himself met with DEP. The project has been conceptually approved and the City was instructed to do everything they could do to expedite the project so all notes were handed to DEP for review. The level of fines were \$75,000 for the 54" valve. This project will cover the fine it in its entirety except of administrative costs DEP may still collect.

- Bid documents and plans for rebuild of failing pretreatment parapet wall and other structural issues (doors, windows, building cracks, etc.) have been completed. Bids for this project were let May 4 and opened June 8. After awarding the project to the low bidder, ABC Construction, they subsequently backed out of the job stating they underbid and could not perform the work at the bid price. They eventually relented and are currently under contract to perform the work. Permits are currently being secured before work can begin. This project cost is approximately \$700,000.
- Three refurbished reactor mixers were put into operation in September 2011. Approval was given at the December 20, 2011 commission meeting to refurbish nine additional reactor mixers along with replacement of mixing shrouds at a cost of \$532,000.
- A 48" PCCP line carrying raw influent to reactor 2 failed September 27, 2011 resulting in a small SSO. An above ground ductile iron line was installed and completed on October 30, 2011 to restore flows to reactor 2 and restore full function of the treatment system. Engineers are in the process of evaluating 8,000 feet of similar pipe that was installed in the plant in the early 1980's.

- One new aeration blower and all new aeration diffusers were installed on the south sludge holding tank in November. We are currently working on the same upgrades to the north sludge holding tank.
- Effluent pump #3 experienced a failed bearing October 13, 2011. Poole & Kent removed the pump, installed a spare, and the pump was returned to service October 19, 2011. The repair or replacement of this pump along with removal and installation services will be @\$100,000.
- We have chlorinated all of our injection wells during December 2011 to attempt to restore some lost capacity due to age. Injectivity testing is ongoing to determine benefits.

Additional Ongoing Projects:

- Cryogenic Facility Instrumentation System Upgrades – This project has been ongoing by Close Construction. Work is coming to a close on this project. It includes the following work:
 - PA system upgrade. **Punch list items remain.**
 - Liquid Oxygen storage tank replacements. **New tanks installed 10/28/10.**
 - Concrete repair in dewatering building. **Complete**
 - Grit classifier replacement. **Punch list items remain**
 - Seal water system replacements. **Complete**
 - New hoisting equipment in pretreatment building to service influent screening area. **Complete**
 - New Spare parts storage area in effluent building. **Completed**
 - Lime silo removal and roof repair. **Silo removed 6/15. Roof replacement completed.**
 - Instrumentation upgrades. **The City is attempting to contract with Air Products directly to complete this work.**

Capacity Issues

Annual average flows for the last twelve months are currently at 37.92 MGD. November 2011 average flow was 52.46 MGD. This was the highest monthly flow we have on computerized records dating back to October 1995. The plant received 24.86” of rain in October 2011, the most since at least October 1994. This high flow caused one SSO to occur. We landfilled 123 tons of grit in the one week period during these high flows compared to 20 tons per month normally. Infiltration and inflow are definite problems in the system.

Operational Issues

FDEP injection well permit renewal application submitted November 6, 2008. Final Mechanical Integrity testing of the five wells was completed November 12, 2009. The MIT report was submitted to regulatory authorities January 12, 2010. This permit has been through a public hearing phase and should become effective in February 2012 at the latest.

FDEP operating permit expired in March 2010. Application submitted September 2009. The new plant operating permit was issued in September 2011.

Budgetary Issues

Investigation and mitigation of PCCP pipe issues.

City offer of early retirement incentive will result in up to six employees retiring by March 16, 2012.

Ms. Leonard explained to the group the early retirement incentive will be challenging city-wide because only 50% of vacancies the retirements created will be filled. Employees have until January 31st to elect the buyout so there is still uncertainty as to who is leaving. The last date to leave the City is March 16th.

New R&R report will be compiled by March 2012.

Mr. Darmanin commented successful work has been done at B repump. Tim O'Neil expanded by saying there were multiple issues with five (5) pieces of equipment and CDM debugged the equipment. Mr. Darmanin explained this is part of the \$11 million project to refurbish all repumps and get back to being fully automated. Mr. O'Neil reported the generator is now able come on anytime automatically.

Mr. Darmanin commented about the DEP negotiations. Because there are smaller SSOs and larger SSOs, they are going to be combined into one in-kind project to cover all.

Rate Calculations – Susan LeSage

Susan LeSage presented the quarterly spreadsheet with the classification of expenditures. The spreadsheet shows the budget for the year and year-to-date totals with the percentage of the budget. This time last year, the City was 13.7% of budget with encumbrances removed. For the current year, with encumbrances removed, the City is 5% higher than last year. For Character 30, Services and Materials, the City spent \$660,000, or 9%, this time last year, with encumbrances removed, from year-to-date. This year, the City has spent \$1.3 million, or 19%, in Character 30. The City may be spending more money but still at 18.9% of the budget and are 25% through the year so the City is still under budget. Mr. Long has saved money the past two years but this year GTL has a lot going on.

Mr. Resor asked if the spreadsheets show expenditures or revenues. Ms. Lesage said the spreadsheet shows only expenditures but revenues can be provided.

Old/New Business

David Archacki announced Bob Mays has promoted to Finance Director and an Assistant Finance Director has been hired.

Next Meeting

Ms. Leonard asked the group to set a date for the next meeting. Although the group is supposed to meet quarterly, the first meeting is held after the first quarter of the budget to get an

idea of how the budget is going. The group will meet one more time before the August meeting. The next meeting is tentatively scheduled for Wednesday, May 9th at GTL so Mr. Resor can tour the plant.

Mr. Archacki thanked Mr. Darmanin for all the work on Christmas Eve and commented he very helpful with Wilton Manors.

Adjournment

Ms. Leonard asked for a motion for adjournment. Mr. Resor made a motion to adjourn the meeting and Ms. Leonard seconded it. The meeting adjourned at 2:07 p.m.

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