

**MINUTES OF THE REGULAR MEETING
OF THE BOARD OF TRUSTEES
OF FOX METRO WATER RECLAMATION DISTRICT
HELD WEDNESDAY, MARCH 20, 2013**

The Board of Trustees met in a regular monthly meeting at 9:30 A.M. in the offices of the District at the Water Pollution Control Plant on Wednesday, March 20, 2013. President James K. Detzler presided and present with him were Trustee Judith S. Sotir, Trustee Michael C. Funkey & Trustee Albert E. Heriaud. Also present were District Attorney Dallas Ingemunson, District Engineer Philippe Moreau, Manager Thomas F. Muth, Jeff Humm, Jimmie Delgado, Joel Ilseman, Matt Woodin, and Polly Gonzalez. Also in attendance were John Frerich from Walter E. Deuchler Engineering and numerous contractors for the bid openings.

The bills were presented and read. It was moved by Trustee Sotir, that the bills be allowed as read, and that checks be drawn in payment account during the month of February, 2013 in the amount of \$1,595,449.42 be ratified and approved. Motion was seconded by Trustee Heriaud, put to vote and unanimously carried that the bills be paid as presented.

It was moved by Trustee Sotir, seconded by Trustee Heriaud, put to vote and unanimously carried that the Treasurer's Report for February, 2013 be approved as submitted.

It was moved by Trustee Sotir, seconded by Trustee Heriaud, put to vote and unanimously carried that the minutes of the February 20, 2013 Regular Board Meeting be approved as written, each of the Trustees having received and read copies of said minutes before the meeting.

It was moved by Trustee Detzler, seconded by Trustee Funkey, put to vote and unanimously carried that the Regular Board Meeting be temporarily adjourned for the Committee of Local Improvements.

The Regular Board Meeting adjourned at 9:35 A.M.

Manager Muth gave a power point presentation which reviewed the District's Long Term Control Plan and future financial implications with the Trustees. Manager Muth informed the Trustees a rate study will be conducted to determine the financial needs of Fox Metro for the next five years.

Manager Muth stated the purpose of the master planning effort. The master planning effort was undertaken to develop a phased approach for capital improvements to meet increased demands, while considering financial constraints and impending regulations.

Considerations for this include: 1. As frequency of peak flows greater than 85 MGD increase, bypassing to the Fox River may occur more frequently. 2. Address continuing growth in the FPA. 3. Address inflow and infiltration in the wastewater collection system. 4. Improve nitrification (ammonia removal) reliability during winter months. 5. Phosphorous removal will be required when expanding the facilities. 6. Future possibility of total nitrogen removal requirements. 7. Biosolids storage and disposal will continue to be a concern for the District. 8. Phasing of the project is important to all parties; the District, the constituents, and the IEPA SRLF program.

The existing conditions from the 2005 Master Plan include an average daily flow of 32 MGD, a peak hourly flow of 162 MGD and a peak instantaneous flow of 168 MGD. The WWTP needs to treat 85 MGD. The number of overflows reached a high of 39 in 2008 largely attributable to excessive amounts of rainfall. In 2009 they dropped to a total of 14 for the year, in 2010 they dropped further to 11, in 2011 the number of overflows dropped to 8 and in 2012 there were 0 overflows for the entire year. It should be noted that in 2009 the methods of operation of the wastewater treatment plant were changed.

Master Plan implementation (original) included:

1. Phase I: Improve wet weather treatment capability and prepare the North Facility for tertiary treatment and disinfection of CEPT facility effluent and future South Facility flows. In addition, digestion facilities will be modified to improve VSS destruction and gas production under higher loadings.
2. Phase II: First stage of South Facility, continued improvements at North Facility and first phase of off-site FEB facilities.
3. Phase III: Additional off-site FEB facilities.
4. Phase IV: Second stage of South Facility, continued improvements at North Facility and additional off-site FEB facilities.
5. Phase V: Additional off-site FEB facilities.
6. Phase VI: Final stage of South Facility, final improvements at North Facility and final stage of off-site FEB facilities.

The original implementation schedule can be prioritized as follows: Priorities of Selected Plan. 1. Projects that can be implemented quickly. 2. Projects that provide the greatest environmental benefit. 3. Projects that benefit sensitive areas. Other Considerations are as follows: 4. Construction sequencing. 5. Funding source limitations. 6. Financial impact to users.

The Implementation Schedule is as follows: Bases for Implementation Schedule

1. 2005 Master Plan
2. 20 Year Planning Period
3. Multi-phased approach to meet financial constraints
4. Sequencing Limitations – Construction of treatment processes from downstream to upstream (from outfall to headworks)
5. Priorities
 - a. Maximize existing facilities first
 - b. Construction of CEPT system for CSO reduction

- c. Construction of new south treatment facilities
- d. Construction of FEB's for I&I reduction

There are potential impacts to the implementation schedule. They are as follows:

- 1. Changes to Regulatory Policies
- 2. Changes to Water Quality Standards
- 3. Results of water quality assessment by Fox River Study Group
- 4. Changes to NPDES Permit
- 5. Future judicial or administrative orders
- 6. Changes to financial capability
- 7. Changes to bond rating
- 8. Approvals, permits, land acquisitions and easements are obtained in a timely manner
- 9. Changes in technology
- 10. Inflation and/or economic hardships
- 11. Unknowns

The Implementation Schedule had to be revised to reflect language changes originally the word goal was used this had to be changed and the feasibility report had to be changed to include one part per million for phosphorus to the IEPA. Also revisions had to include the NPDES Special Condition language.

- 1. All permits being renewed will receive a 1 mg/L phosphorus effluent limitation.
- 2. This Permit may be modified to include effluent limitations consistent with the Fox River Watershed Water Quality Improvement Implementation Plan (Implementation Plan).
- 3. The following tasks will be completed during the life of this permit:
 - a. The Permittee shall prepare a phosphorus removal feasibility report specific to its plant(s) on the method, time frame and costs. The feasibility report shall be submitted to the IEPA twelve (12) months from the effective date of the Permit.
 - b. The Permittee shall submit the FRSG Watershed Investigation Phase III Report, which includes stream modeling, to the IEPA by August 1, 2013.
 - c. The FRSG will complete an Implementation Plan that identifies phosphorus input reductions by point source discharges, non-point source discharges and other measures necessary to alleviate DO and offensive condition violations in the Fox River by completing the Implementation Plan by no later than 2035. The Implementation Plan shall be submitted to the IEPA by June 30, 2015. The Permittee shall implement the recommendations of the Implementation Plan that are applicable to said Permittee.

The Revised Implementation Schedule for Phase II to be presented to the IEPA is as follows:

Advertise/Loan Approval	February to May, 2015
Start Construction	June, 2015
End Construction	January 2019

Operating Optimization
1 mg/L TP Limit in effect

January 2019 – January 2020
January 2020

Also the Master Plan Implementation had to be revised as follows:

1. Phase I: Completed
 - a. T-PAD
 - b. Contracts 1 & 2
 - c. Contract 3
 - d. Tertiary Filter Improvements (Filters 1-6)
2. Phase II: In design – First stage of South Facility Improvements and continued improvements at North Facility.
3. Phase III: Second stage of South Facility Improvements and continued improvements at North Facility.
4. Phase IV: First stage of off-site FEB facilities.
5. Phase V: Final stage of South Facility Improvements and continued improvements at North Facility.
6. Phase VI: Final stage of off-site FEB facilities.

Currently the Master Plan for the wastewater treatment plant expansion is proposing plant improvements for the liquid train of flows to North Facility DAF = 42 MGD, DPHF + 85MGD and DPIF = 85 MGD, Total current plant capacity of DAF = 42 MGD, DPHF = 129 MGD, DPIF = 139 MGD and Secondary Treatment = 85 MGD. The CEPT Facility would be able to handle flows DAF = 0 MGD, DPHF = 44 MGD, and DPIF = 54 MGD. Proposed conditions currently with the wet weather flow facility and assuming 50% inflow removal would be Peak Instantaneous Flow = 185 MGD, Peak Hourly Flow = 175 MGD and Daily Average Flow = 52 MGD.

Phase II: South Facility will be constructed to provide further reduction of CSO discharges, nutrient removal and to off-load the North Facility. This will set the framework for providing treatment for future population growth.

Phase II Projects include:

1. Upgrade North Facility
 - a. P Removal
 - b. GBT Building
 - c. Ferric Chloride Addition
2. Construction of New South Facility
 - a. Waubensee Interceptor Improvements
 - b. Headworks (screening, grit removal and pump station)
 - c. Primary Clarifiers and Sludge Pump Station
 - d. Secondary Treatment (aeration tanks, secondary clarifiers and control building)

Financial capability was also discussed. Estimated costs of recommended CSO LTCP and costs of other Non-CSO proposed capital improvements are as follows:

1. Completed Phase I of WWTP Improvements approximate \$56 million, this includes TPAD, Contract 1, Contract 3, Tertiary Filtration upgrades, etc.
2. Future WWTP Improvements are estimated at approximately \$148.4 million.
3. Offsite Flow Equalization Basins (FEB's) are estimated at approximately \$53.4 million.
4. Non-CSO Proposed Capital Improvements are estimated at approximately \$127.3 million.

Costs are shown in 2009 dollars.

A study involving the financial capability using the residential indicator determination has been used to calculate the cost per month per user. The total patron cost per month has been calculated to be \$98.67, this is approximately triple the existing cost per user.

The final plant capacity is projected to be DAF = 59/52 MGD, DPHF = 175 MGD, DPIF = 185 MGD, Secondary Treatment = 131 MGD, South Facility – DAF = 23 MGD, DPHF = 46 MGD, North Facility – DAF = 36/29 MGD, DPHF = 85 MGD and DPIF = 85 MGD.

The proposed final conditions are projected to be a peak instantaneous flow of 185 MGD, peak hourly flow of 175 MGD, and a daily average flow of 52 MGD, assuming a 50% inflow removal.

After Manager Muth's power point presentation on the above Long Term Control Plan and the future financial implications Trustee Funkey inquired to Manager Muth how are we going to publicize this information to the users? Trustee Funkey stated he felt this should be published right now. Let the public know what they are facing in increases to the user fees and why. President Detzler stated he agreed 100%, the public needs to be aware. The Trustees discussed possible ways of handling this situation, perhaps a press release or something printed on the Fox Metro bills. It was also discussed for Fox Metro to contact the local newspapers and tell them what is being done and have a story published in the local papers. It was also discussed that perhaps a Citizen's Advisory Committee be formed to tell the public that Fox Metro has to raise rates for the following reasons. Trustee Funkey also brought up the possibility of having a public hearing for these rate increases. President Detzler suggested Fox Metro contact the local newspapers to publish a story about the rate increases first then hold a public hearing on the matter and invite all the local State Representatives and Senators to the meeting.

Manager Muth stated he would begin to meet with staff as to how the best way to accomplish this would be and bring it to the Board at the April Board of Trustees Meeting. The Trustees concurred with this proposal.

With no other matters to come before the Committee of Local Improvements, it was moved by Trustee Detzler, seconded by Trustee Sotir, put to vote and unanimously carried that the Committee of Local Improvements be adjourned and the Regular Board Meeting reconvene.

The Regular Board Meeting reconvened at 10:00 A.M.

At 10:00 A.M. Manager Muth opened and read aloud bids received for the Ferric Chloride Addition Project as follows: Manusos Contractors from Fox Lake, Illinois – Total Bid - \$977,000.00; Allan Mack & Sons from Orland Park, Illinois – Total Bid - \$877,447.00; Boller Construction from Waukegan, Illinois – Total Bid - \$893,984.00; and L.J. Dodd Construction from Oswego, Illinois – Total Bid - \$972,456.00. The Engineer's Estimate for this project was \$856,000.00. After discussion amongst the Trustees, it was moved by Trustee Sotir, seconded by Trustee Heriaud, put to vote and unanimously carried that the low bid of Allan Mack & Sons be accepted and the bid of Boller Construction be held pending specification review by Fox Metro Water Reclamation District and Walter E. Deuchler Engineering Staff.

Manager Muth also opened and read aloud bids received for the Purchase of One (1) New 2013 F550 4X4 Dump Truck as follows: River View Ford – Total Bid - \$58,461.96; Terry's Ford – Total Bid - \$57,575.00; Rod Baker Ford – Total Bid - \$57,227.00; Zimmerman Ford – Total Bid - \$56,945.00; and Roesch Ford – Total Bid - \$58,610.00. It was moved by Trustee Sotir, seconded by Trustee Funkey, put to vote and unanimously carried that the low bid of Zimmerman Ford be accepted and the bid of Rod Baker Ford be held pending specification review by Fox Metro Water Reclamation District Staff.

Manager Muth opened and read aloud bids received for the Montgomery/Sugar Grove Interceptor – Phase 2 as follows: Bolder Contractors from Deerfield, Illinois – Total Bid - \$2,885,432.50; Steve Spiess Contractors from Frankfort, Illinois – Total Bid - \$1,850,992.60; "D" Construction from Coal City, Illinois – Total Bid - \$2,485,413.00; and H. Linden & Sons from Yorkville, Illinois – Total Bid - \$2,202,165.00. The Engineer's estimate for this project was \$2,700,000.00. It was moved by Trustee Sotir, seconded by Trustee Funkey, put to vote and unanimously carried that the low bid of Steve Spiess Contractors from Frankfort, Illinois be accepted and the bid of H. Linden & Sons from Yorkville, Illinois be held pending specification review by Fox Metro Water Reclamation District and Walter E. Deuchler Engineering Staff and the bid be awarded to the low, responsive, responsible bidder meeting the specifications.

Manager Muth addressed the Board with the Manager's Report. Manager Muth and Operations Supervisor Joel Ilseman discussed with the Trustees the March 10, 2013 rain and snow melt event. The plant successfully treated 94.1 MGD of flow without an overflow or excursion. Building P Wet Weather Flow Facility was on line and successfully treated 2.4 million gallons that day. Manager Muth congratulated staff for the outstanding job performance during this rain/snow melt event.

Manager Muth also informed the Trustees there was a sewer back-up in the 1200 block of Sundown due to the rain and snow melt on March 10, 2013. This was reported to the IEPA.

Manager Muth requested authorization from the Board to proceed with the construction and purchase of tertiary filter #1 from Aqua Aerobics. Manager Muth explained he would like to proceed with this project in place of replacing the air lines at the F Tanks. This project has been found to be very costly and complicated. At the present time the air lines for the aeration tanks are still functional but not at full capacity. Manager Muth stated he would like to replace another tertiary filter at Building I with an Aqua Diamond filter, using a project management approach. Aqua Diamond has already replaced six tertiary filters at the District and would be a sole source purchase. This project would be part of the maintenance capital budget and the projected cost is 1.3 million dollars. After further discussion amongst the Trustees, it was moved by Trustee Sotir, seconded by Trustee Funkey, put to vote and unanimously carried that authorization be given for the purchase and construction of tertiary filter #1 in place of the air line project at the aeration tanks.

Manager Muth requested an Executive Session be held to discuss personnel, pending litigation, and related matters. It was moved by Trustee Detzler, seconded by Trustee Sotir, put to vote and unanimously carried that at the conclusion of the public comments of today's meeting, we will temporarily adjourn for an Executive Session.

Engineering Supervisor Jeff Humm informed the Trustees the Cedar Glen Sanitary Sewer Project is complete except for punch list items. However, it has being discussed how to serve the two additional properties to the south and four additional properties on Route 25. Three easements will be needed for this project. Mr. Humm stated he will have cost estimates for this project for the April Board Meeting. This additional part of the Cedar Glen Sanitary Sewer Project will not be eligible for revolving loan monies. It is estimated to cost approximately \$50,000 to \$60,000.00.

With no other business to come before the Board, it was moved by Trustee Funkey, seconded by Trustee Sotir, put to vote and unanimously carried that this meeting be temporarily adjourned for Executive Session.

The Meeting temporarily adjourned at 10:35 A.M.

The Regular Board Meeting reconvened at 10:50 A.M.

It was moved by Trustee Sotir, seconded by Trustee Funkey, put to vote and unanimously carried that the non-union personnel be given a 2.5% salary increase, also to proceed with increasing the minimum and maximum salary range amounts by 2.5% for each classification, that all non-union employees be eligible for step increases pending satisfactory performance evaluations, and step increases be given to LaSalle Brass and Jimmie Delgado and Jimmie Delgado be promoted to Controller.

President Detzler announced there were no further decisions reached in Executive Session, therefore it was moved by Trustee Sotir, seconded by Trustee Funkey, put to vote and unanimously carried that the Board Meeting be adjourned.

Meeting adjourned at 10:55 A.M.