

**MINUTES OF THE REGULAR MEETING
OF THE BOARD OF TRUSTEES
OF FOX METRO WATER RECLAMATION DISTRICT
HELD WEDNESDAY, OCTOBER 19, 2016**

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, October 19, 2016. President James Detzler presided and with him were, Trustee Judith S. Sotir & Trustee Albert E. Heriaud. Also present were Attorney Boyd Ingemunson, Manager Thomas F. Muth, District Engineer Philippe Moreau, John Frerich and Mark Halm from Walter E. Deuchler, Human Resources Coordinator Patrick Divine, Controller Jimmie Delgado, Operations Supervisor Joel Ilseman, Field Services Manager Matt Woodin, Engineering & Field Supervisor Keith Zollers and Administrative Assistant Norma Rodriguez.

9186

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 September, 2016 in the amount of \$3,921,485.46 be ratified and approved. Motion was seconded by Trustee Heriaud put to vote and unanimously carried that the bills be paid as presented.

9187

It was moved by Trustee Sotir seconded by Trustee Heriaud, put to vote and unanimously carried that the Treasurer's Report for September, 2016 be approved as submitted.

9188

It was moved by Trustee Sotir, seconded by Trustee Heriaud, put to vote and unanimously carried that the minutes of the September 14, 2016 Regular Board Meeting and the minutes of the October 11, 2016 Special Board Meeting be approved as written. Each of the Trustees having received and read copies of said minutes before the meeting.


9189

With no Public Comments, It was moved by President Detzler, seconded by Trustee Sotir, 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 9:35A.M.

In the Committee of Local Improvements Manager Muth updated the Board on the South Plant Construction Project. He presented a slide show of the progress of the construction and described each in detail.

He reported that a retaining wall has been built around the old cemetery. Also, excavation is complete where the new bar screen and grit building will be located.



Manager Muth also advised the Board there is a new proposal for the anchoring, slab and foundation. That took many months of investigation to find the right product to be able to anchor the system. Construction for this will begin in approximately one month. Manager Muth reviewed in detail all other aspects of the construction phase.

Manager Muth advised the Board that the Waubonsie River Crossing project is going very well. He explained the process that took place to get the pipe to go under the Fox River. The contractor has done a very good job.

Manager Muth updated the Board with the M4 Digester Cover Project. During the project it was discovered that the Digester was not completely round and adjustments had to be made. This included installing brackets to the cover in order to make it fit and seal. The cover has been painted and this project is now completed.

Manager Muth introduced Mr. Mark Halm from Deuchler E. Associates, Inc., who collaborated in the presentation regarding the South Plant Construction Project and the Phosphorous Removal Feasibility Study and Report. He said this will be a lengthy discussion and will explained the District will need to spend \$250M when the District goes to 0.1 mg/l.


Phosphorous Removal Feasibility Study had to be completed as part of NPDES permit and explains to the IEPA what it would cost the District to reach Phosphorous removal limits of 1 ppm, 0.5 ppm & 0.10 ppm. Manager Muth said because this will be a very lengthy discussion, it will be split between this month's Board Meeting and next month's Board meeting. The Board was given an Executive Summary for their review.

Manager Muth said that this report includes 15 chapters and each would be explained. He said a lot of time and effort went into completing this report.

In 2003, the Fox Metro Water Reclamation District began coordinated planning to address increased flows and loadings while also considering more stringent NPDES requirements. The goals of the planning effort were to:

- Assess the ability of the North Facility to achieve biological nutrient removal without compromising cold weather nitrification reliability.
- Provide additional full treatment capacity for wet-weather flows and meet the requirements of the CSO Control Policy.
- Provide additional capacity for growth within the facility planning area.

The result of the planning effort was the preparation of the 2005 Master Plan which identified a six phase capital program with each phase consisting of multiple contracts.



Chapter 1 of the study discussed the existing conditions of the treatment plant. In order to meet the NPDES requirements of June 1, 2015 Fox Metro must meet a 1mg/l total Phosphorous limit by June 1, 2021. This chapter also detailed the monthly, weekly average of CBOD, Suspended Solids, Fecal Coliform, Ammonia Nitrogen and Dissolved Oxygen.

Chapter 2 discussed future conditions including the current planning status and future influent flows. Future flow to the North Facility will be 36 million gallons per day (MGD) and 6 (MGD) at the South Facility for a total of 42 (MGD). This Phase of the project is scheduled for completion in 2019.

Chapter 3 discussed the facilities that are envisioned as part of the CSO Long Term Control Plan. The structures include Waubonsie Interceptor hydraulic control structure and River Crossing, Headworks, Primary Clarifiers and Final Clarifiers at the South Plant. GBT Building, modifications to the aeration for biological phosphorus removal and metal salt storage and pumping facilities at the North Plant. The strength and quality of the influent are important in assessing the viability of Phosphorus removal.

Chapter 4 included an analysis of historical data as well as the wastewater characterization.

Chapter 5 discussed how a model was prepared for the existing treatment facility using the wastewater characterization.

Chapter 6 discussed the results of the alternatives analysis were presented. For Biological Systems to be successful good substrate and adequate volume is needed. Screening alternatives discussed were as follows:

- Biological Methods
 - o Due to limited volume at North Facility AO Process is only viable option.
 - o Pilot testing of the AO Process should be undertaken to determine viability full scale
 - o Need to address cold weather nitrification at the North Facility
 - o 5 State Bardenpho would be implemented at South Facility with flexibility to operate in a number of configurations.
- Chemical Methods
 - o Jar testing to determine dosages
- Physical Methods
 - o Evaluate Filtration

Chapter 7 discussed the pilot study that was conducted.

- Phase A was a study of the three mixers,
- Phase B was an evaluation of the AO process,

- Phase C consisted of jar testing to determine ferric chloride dosages for chemical precipitation of phosphorus,
- Phase D will be an evaluation of a new media in the existing tertiary filter building, which will tentatively be conducted in the winter of 2016.

9190

At 10:00 A.M. Manager Muth opened and read aloud bids received for Field Mowing Contract as follows: Four Seasons Landscaping – Total Bid \$66,180.00; The Engineer’s estimate for this project was \$68,000.00. It was moved by Trustee Sotir, seconded by Trustee Heriaud, put to vote and unanimously carried that the low bid of Four Seasons Landscaping, be accepted for \$66,180.00 pending specification review by Fox Metro Water Reclamation District and Walter E. Deuchler Engineering Staff.

9191

With no other concerns 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 Regular Board Meeting reconvene.

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

In the Attorney’s Report Attorney Boyd Ingemunson presented to the Board for their approval Resolution No. 942, Intergovernmental Agreement with the Illinois Office of the Comptroller.

9192

It was moved by Trustee Sotir, seconded by Trustee Heriaud, put to vote and unanimously carried that Resolution No. 942. Intergovernmental Agreement with the Illinois Office of the Comptroller be approved as written.

PASSED by the Board of Trustees of Fox Metro Water Reclamation District this 19th day of October, 2016 by a voice vote of 3 to 0.

9193

Philippe Moreau addressed the Board with the Engineer’s Report. Mr. Moreau requested approval for Partial Payment No. 10 to River City Construction, LLC in the amount of \$1,770,707.65 for the South Waste Water Treatment Plant Improvements Project. It was moved by Trustee Sotir seconded by Trustee Heriaud, put to vote and unanimously carried that payment be made in the amount of \$1,770,707.65 to River City Construction, LLC, for work completed on the South Waste Water Treatment Plant Project.

9194

Mr. Moreau requested approval of Partial Payment No. 7 to Spiess Construction, Inc., in the amount of \$1,108,629.00 for Waubonsie Interceptor River Crossing Project. It was moved by Trustee Sotir seconded by Trustee Heriaud, put to vote and unanimously carried that payment be made in the amount of \$1,108,629.00 to Spiess Construction, Inc., for work completed on Waubonsie Interceptor River Crossing Project.



9195

Mr. Moreau requested approval of Partial Payment No. 8 to Manusos General Contracting, in the amount of \$73,485.00 for M4 Cover Replacement Project. It was moved by Trustee Sotir seconded by Trustee Heriaud, put to vote and unanimously carried that payment be made in the amount of \$73,485.00 to Manusos General Contracting, for work completed on M4 Cover Replacement Project.

9196

Mr. Moreau requested approval of Payment No. 2 to Lite Construction, in the amount of \$151,636.50 for Building P-1 Remodel Phase 4 Project. It was moved by Trustee Sotir seconded by Trustee Heriaud, put to vote and unanimously carried that payment be in the amount of \$151,636.50 to Lite Construction for Building P-1 Remodel Phase 4 Project.

9197

Mr. Moreau requested approval of Payment No 1 to River City Construction, in the amount of \$4,581.00 for Clarifiers D5 and H4 – Mechanism Installation Project. It was moved by Trustee Sotir seconded by Trustee Heriaud, put to vote and unanimously carried that payment be in the amount of \$4,581.00 to River City Construction for Clarifiers D5 and H4 – Mechanism Installation Project.

In the Manager’s Report Manager Muth thanked Attorney Boyd Ingenmson for his work and effort to finalize the Settlement Agreement with AMS. The Settlement Agreement has been signed by all parties. Job well done!

9198


Manager Muth requested authorization to seek bids for Building “G” Improvements Project to be opened at 10:00 A.M., November 16, 2016 at the Board of Trustees Meeting. It was moved by Trustee Detzler, seconded by Trustee Sotir, put to vote and unanimously carried to seek bids for Building “G” Improvement Project with a bid opening at 10:00 A.M., November 16, 2016 at the Board of Trustees Meeting.

9199

Manager Muth requested authorization to seek bids for Orchard Road Compensatory Storage Project to be opened at 10:00 A.M., November 16, 2016 at the Board of Trustees Meeting. It was moved by Trustee Sotir, seconded by Trustee Heriaud, put to vote and unanimously carried to seek bids for Orchard Road Compensatory Storage Project with a bid opening at 10:00 A.M., November 16, 2016 at the Board of Trustees Meeting.

9200

Manager Muth is requesting sole source purchase of D-3 Clarifier Mechanism Replacement. This project is scheduled to begin next year. He said all of the existing equipment in the North and South Facility has been produced by Walker Process and this would make it uniform. The District has done sole source purchases before with other projects when justified legally. All Board members were in agreement and approved the sole source purchase. At this time it was moved by Trustee Sotir, seconded by Trustee Heriaud, put to vote and



unanimously carried to seek the sole source purchase of D-3 Clarifier Mechanism Replacement from Walker Process.

9201

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

Operations Supervisor Joel Ilseman reported that the plant is running well.

9202

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

The Regular Board Meeting reconvened at 10:35 A.M.

9203

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

Meeting adjourned at 10:37 A.M.