

**MINUTES OF THE REGULAR MEETING
OF THE BOARD OF TRUSTEES
OF FOX METRO WATER RECLAMATION DISTRICT
HELD WEDNESDAY MARCH 28, 2018**

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 28, 2018. Present were, Trustee Judith S. Sotir via telephone, Trustee Christopher F. Childress, and Trustee David Krahn. Also present were Attorney Gregg Ingemunson, Manager Thomas F. Muth, District Engineer Philippe Moreau, John Frerich from Walter E. Deuchler & Associates, Human Resources Coordinator Patrick Divine, Operations Supervisor Joel Ilseman, Maintenance Supervisor Chris Morphey Plant Manager Matt Woodin, and Norma Rodriguez.

10225

The bills were presented and read. It was moved by Trustee Childress that the bills be allowed as read, ratify and approve the checks drawn during the month of February 2018 in the amount of \$4,455,221.81. Motion was seconded by Trustee Krahn put to vote and unanimously carried that the bills be paid as presented.

10226

It was moved by Trustee Childress seconded by Trustee Krahn, put to vote and unanimously carried that the Treasurer's Report for February, 2018 be approved as submitted.

10227

It was moved by Trustee Childress, seconded by Trustee Krahn, put to vote and unanimously carried that the minutes of the February 21, 2018 Regular Board Meeting be approved as written. Each of the Trustees having received and read copies of said minutes before the meeting.

In Public Comments Manager Muth introduced to the Board, Fox Metro's new accountant Linnea Scherer.

Tim Rubis is the District's new Environmental Compliance Coordinator. He was previously a member of the Lab Department and was recently promoted to his new position.

Manager Muth also congratulated employees that celebrated birthdays and anniversaries with Fox Metro.

10228

With no other Public Comments, it was moved by Trustee Childress, seconded by Trustee Krahn, 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 9:40 A.M.

In the Committee of Local Improvements Manager Muth gave a presentation to the Board regarding the Biosolids Land Application Program. In his presentation he reviewed the current program, the history and background of the program, the land application process and project administration. He also discussed the future of the program.

Manager Muth's presentation included many old archived pictures of how the biosolids were land applied since Fox Metro's inception to today. Regulations began in 1984 and added to 40 CFR by the USEPA in 1993.

Landfill disposal of biosolids is used only if regulatory requirements are not met. The cost savings of land application versus landfill disposal is over \$0.5M per year since at least 2005-2017.

Former District Employee Gregg Buchner established Fox Metro's Biosolids Program in 1986. The program includes Permitting for generators, distributors and users. It also includes transport and storage design criteria, sludge application design criteria, sample collection and analysis for sludge, soil, groundwater, and plant tissue.

The Biosolids land application process consists of soil testing collected and analyzed the season prior to application. It also includes testing for pH, nutrients, Cation exchange capacity, 12 different metals and Radium (before application).

Other tests performed are Fecal Coliform which is tested every other month and requires 7 samples within the two week period. Salmonella sp is tested every other month and Radium is tested annually. Metals are tested quarterly, with 21 metals in total. Nutrients are tested quarterly and include phosphorus, TKN, and ammonia. Other tests conducted quarterly include cyanide, phenols, pH, percentage total solids and percentage volatile total solids.

The biosolids application process totals 22,000 cubic yards per year. It is applied in Spring and Fall and typically involves nine farms per year for a total of 650 acres. The biosolids must be below EPA ceiling concentrations and meet pathogen reductions, and vector attraction reduction standards. The quantity of biosolids is applied based on the Nitrogen needs of the soil.

There are restrictions on where the biosolids are stockpiled. They must be away from waterways and residences. The IEPA has many constraints and they must be adhered. The presentation also included slides illustrating where biosolids are stored, the application spreading process and how they are incorporated into the soil at agricultural fields at local farms.

The project administration and reporting include Agreements with the farmer, notification of each farmer and neighbors (30-50 people total) no less than one



week prior to each application event. Quarterly reports for analytical testing must be submitted to the IEPA as well as semiannual reports for quantities land applied and landfilled.

An annual report must be submitted to the USEPA for analytical testing and disposed biosolids quantities by February 20th. An annual report on radium levels in biosolids and quantities applied to land must be submitted to the IEMA by February 28th. An annual report for priority pollutant testing with pretreatment program must be submitted to the USEPA by April 28th. A 5-year permit cycle with renewal application is due three months prior to expiration.

Some of the issues with the Biosolids Land Application Program is the liability in transferring biosolids to land that may be developed in the future. Another issue is the increasing regulations on radium and phosphorus. Other issues are public awareness and more frequent complaints (roadways, odors).

The future of the program includes emerging and unregulated pollutants may make land application more difficult. Improved treatment plant processes like TPAD have reduced the volume of generated sludge.

The future improvements being considered in the Master Plan will evaluate effectiveness of land application. These include sludge drying, sludge reuse, thermohydrolysis, gasification, combined heat and power also Class A sludge for gardens.

10229

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

The Regular Board Meeting reconvened at 9:55 A.M.

10230

Mr. John Frerich addressed the Board with the Engineer's Report and updates on Construction projects. Mr. Frerich requested approval of Partial Payment No. 27 to River City Construction, Inc., in the amount of \$1,911,013.13 for South Waste Water Treatment Facility Project. It was moved by Trustee Childress seconded by Trustee Krahn, put to vote and unanimously carried that payment be made in the amount of \$1,911,013.13 to River City Construction, Inc., for work completed on South Waste Water Treatment Facility Project.

10231

Mr. Frerich requested approval of Partial Payment No. 14 to Whittaker Construction, Inc., in the amount of \$186,898.50 for Building G Improvements Project. It was moved by Trustee Childress seconded by Trustee Krahn, put to vote and unanimously carried that payment be made in the amount of \$186,898.50 to Whittaker Construction, Inc., for work completed on Building G Improvements Project.



10232

Mr. Frerich requested approval of Partial Payments No. 11 to R.C. Wegman Construction, in the amount of \$38,939.00 for Building W Water System Improvements Project. It was moved by Trustee Childress seconded by Trustee Krahn, put to vote and unanimously carried that payment be made in the amount of \$38,939.00 to R.C. Wegman Construction, for work completed on Building W Water System Improvements Project.

10233

Mr. Frerich requested approval of Partial Payments No. 9 to R.J. O’Neil, Inc., in the amount of \$69,640.86 for Building K Odor Control Project. It was moved by Trustee Childress seconded by Trustee Krahn, put to vote and unanimously carried that payment be made in the amount of \$69,640.86 to R.J. O’Neil, Inc., for work completed on Building K Odor Control Project.

10234

Mr. Frerich requested approval of Partial Payments No. 3 to Performance Construction, in the amount of \$16,566.08 for Moecherville Sanitary Sewer Repairs Project. It was moved by Trustee Childress seconded by Trustee Krahn, put to vote and unanimously carried that payment be made in the amount of \$16,566.08 to Performance Construction, for work completed on Moecherville Sanitary Sewer Repairs Project.

10235

Mr. Frerich requested approval of Partial Payments No. 4 to Whittaker Construction, Inc., in the amount of \$25,461.00 for North Plant Improvement Project. It was moved by Trustee Childress seconded by Trustee Krahn, put to vote and unanimously carried that payment be made in the amount of \$25,461.00 to Whittaker Construction, Inc., for work completed on North Plant Improvement Project.

10236

Mr. Frerich requested approval of Partial Payments No. 3 to Dhame Mechanical, in the amount of \$24,957.00 for Chlorination Improvements – Contract 3 Project. It was moved by Trustee Childress seconded by Trustee Krahn, put to vote and unanimously carried that payment be made in the amount of \$24,957.00 to Dahme Mechanical, for work completed on Chlorination Improvements – Contract 3 Project.

10237

Mr. Frerich requested approval of Partial Payments No. 3 to Lite Construction, Inc., in the amount of \$40,257.00 for Building K RAS Wet Well Improvements Project. It was moved by Trustee Childress seconded by Trustee Krahn, put to vote and unanimously carried that payment be made in the amount of \$40,257.00 to Lite Construction, Inc., for work completed Building K RAS Wet Well Improvements Project.

Manager Muth addressed the Board with the Manager’s Report to update them regarding the Solar Project. Manager Muth said with the help of Trustee Childress, Attorney Gregg Ingemunson and Deuchler’s there has been a lot of headway regarding this project. A decision has been made to move the solar field from the southerly part of the property where the asphalt area is located to the North part of



the property and that covers approximately 14 acres. This determination was made as a result of a conversation that took place with AVAYA's attorney who outlined some of the constraints and also placed any future liabilities on the District. This was not acceptable to the Board and with the effort of Trustee Childress, Attorney Gregg Ingemunson and Deuchlers obtaining maps and exhibits, an agreement is close to being reached.

Trustee Childress said the biggest issue was that AVAYA, who is responsible for maintaining, sampling and testing the contaminated area, which was the original site of the Solar field, wanting to place any future liability on the District. It became apparent that the District was not going to take on that risk.

Trustee Sotir inquired if the current tenants were going to be impacted by the movement of the solar field site. Manager Muth said it would impact one tenant but will be contacting them to make arrangements for them to move their product to another part of the property without disrupting their business.

Trustee Childress is waiting for a final price of the solar field from the contractor. He expects the cost to be reduced because the solar field will no longer be installed on the asphalt area of the property therefore, the installation process is expected to be cheaper.

The other issue was the liability of the contaminated area. Right now, there are no signs of leeching and the District will not take on any additional liability of contamination. Another issue is that all of this is contingent upon obtaining the grant to build the solar project.

10238 Continuing with the Manager's Report, Manager Muth requested authorization to seek bids for a 2018 Compact Utility Tractor with Loader. Bids to be opened at 10:00 A.M. at the April 18, 2018 Board of Trustees Meeting. It was moved by Trustee Childress seconded by Trustee Krahn, put to vote and unanimously carried authorizing to seek bids for a 2018 Compact Utility Tractor with Loader. Bids to be opened at 10:00 A.M. at the April 18, 2018 Board of Trustees Meeting.

10239 With no New Business to come before the Board, it was moved by Trustee Childress, seconded by Trustee Krahn, put to vote and unanimously carried that this meeting be adjourned for Executive Session.

Meeting temporarily adjourned at 10:00 A.M

10240 It was moved by Trustee Childress, seconded by Trustee Krahn, put to vote and unanimously carried that this meeting reconvene to Regular Session.

The Regular Board Meeting Reconvened at 10:26 A.M.

President Sotir announced there were no decisions reached in Executive Session.



10241

It was moved by Trustee Childress, seconded by Trustee Krahn, put to vote and unanimously carried to approve the IMRF Benefit Protection Leave for David Jungels with the understanding that he will pay his contribution and the District will pay its contribution.

10242

With no other business to come before the Board, it was moved by Trustee Childress, seconded by Trustee Krahn, put to vote and unanimously carried that this meeting be adjourned

Meeting adjourned at 10:30 A.M.