

**MINUTES OF THE REGULAR MEETING
OF THE BOARD OF TRUSTEES
OF FOX METRO WATER RECLAMATION DISTRICT
HELD WEDNESDAY, MARCH 18, 2015**

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 18, 2015. Present were, Trustee James K. Detzler, Trustee Judith S. Sotir, Trustee Michael C. Funkey, Trustee Albert E. Heriaud, & Trustee Christopher F. Childress. Also present were Attorney Boyd Ingemunson, Manager Thomas F. Muth, Engineer Philippe F. Moreau, John Frerich from Walter E. Deuchler, Controller Jimmie Delgado, Human Resources Coordinator Patrick Divine, Maintenance Supervisor Chris Morphey and Norma Rodriguez. Also in attendance Leo Pawlowski Sr. from Northeast Neighbors.

8819 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, 2015 in the amount of \$1,424,662.81 be ratified and approved. Motion was seconded by Trustee Heriaud, put to vote and unanimously carried that the bills be paid as presented.

8820 It was moved by Trustee Sotir seconded by Trustee Heriaud, put to vote and unanimously carried that the Treasurer's Report for February, 2015 be approved as submitted.

8821 It was moved by Trustee Sotir, seconded by Trustee Heriaud, put to vote and unanimously carried that the minutes of the February 18, 2015 Regular Board Meeting be approved as written, each of the Trustees having received and read copies of said minutes before the meeting.

8822 With no Public Comments, It was moved by Trustee 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 Mark Halm from Walter E. Deuchler gave a presentation updating the Board on the Implementation of Phase II CSO Long Term Control Plan. The goals of the CSO Long Term Control Plan is to improve the reliability of existing processes in the North plant, prepare existing infrastructure for new regulatory requirements primarily Phosphorous removal, construct new facilities for new regulatory requirements and increase capacity to treat wet weather flows. The CSO Long Term Control Plan (CSO LTCP) will consist of six phases over several years.

The CSO LTCP was approved by the IEPA on July 31, 2014. It was originally submitted on March 31, 2010. Mark gave an overview of the performance of Phase I of CSO LTCP and said the National Association of Clean water Agencies presents an award to publicly owned treatment plants for exceptional performance. He stated Fox Metro has won the following awards: A Gold Award in 2011 & 2012, and a Silver Award in 2013 & 2014. A Gold Award is given for no permit violations in a year and a Silver Award is given when there are less than five permit violations in a year. As you can see Fox Metro has an outstanding record over the last four years.

Mark said the North facility is currently designed for an average flow of 36 MGD and a designed maximum flow of 85 MGD. The wet weather treatment facility increased the plant's capacity to treat designed maximum flows by 54 MGD. The South facility is 6 MGD with a designed maximum flow capacity of 12 MGD. The total maximum flow capacity for the plant after Phase II will be 151 MGD. Mark added that Phase II of the CSO LTCP increases wet weather treatment capacity by 12 MGD. This helps offload 6 MGD and allows for Phosphorous removal on the North facility. The new South facility will be designed to achieve Phosphorous removal and the North facility will be retrofitted to achieve Phosphorous removal. For Phosphorous removal an anaerobic zone needs to be created because the environment where the bacteria lives needs to be changed and to achieve that there was a new air main system installed last year. Currently the plant is pilot testing three different mixer manufacturers for the same purpose.

Mark said the major components of the South Facility are the Headworks Building (B-3). It will be equipped with two mechanical screens and there is room for two more in the future. Also 2 grit removal systems are proposed with room for two more in the future as well. It also contains raw sewage pumping. There are two 120 ft. Primary Clarifiers D-6/D-7, a Primary Sludge Pump Station C-7 and each one of those are 40 hp and pump 400 gal per minute. They pump the primary sludge to the TPAD CSPC tank which is then used to feed the digester. The BNR Process G-1 is the heart of the process. This is where the pumping takes place for the biological process. In the BNR Process there is a series of tanks which are called selector tanks where the operators can change the environment in that tank from anaerobic (without oxygen and Nitrate) to Anoxic (with Nitrate without oxygen) or Aerobic (with oxygen alone). An Anaerobic zone is used for Phosphorous removal. Anoxic zone is used for total Nitrogen removal or the conversion of Nitrate into Nitrogen Gas. There will also be a Gravity belt thickener building which is L-1 this building will be right next to the TPAD. There will also be a Ferric Chloride Addition Building V-1 and there will be two Potable Water Pumping Buildings W and W1.

Mark said there will be an interceptor that will be constructed across the river to pick up a portion of the Waubensee interceptor flow and help offload the North facility. There is also an Oswego Interceptor that currently goes across the site. A junction box will be built to utilize the flow to also offload the North facility. The goal for the South facility is to have it be 100% automated.

In Phase II and Phase III of the Headworks Building B-3 there will be three 12 MGD pumps that are 225 hp and in phase 6, the 12 MGD pumps will be removed and they will be replaced with a 24 MGD pump that is 385 hp. The design was completed with the future in mind because this is a big deep structure.

Mark continued with his presentation and described the buildings at the facility that will be constructed along with a description and function each one will have and the type of equipment that will be installed and for what purpose.

Mark reviewed the schedule as provided in the Preliminary Environmental Impact Determination, which is part of the facility planning process and is as follows:

	Waubonsie Interceptor	South Facility	North Facility
Construction Cost	\$3,300,000	\$104,500,000	\$3,300,000
Advertise for Bids	June-2015	June-2015	June-2017
Bid Opening	Aug-2015	Aug-2015	Aug-2017
Notice to Proceed	Nov-2015	Nov-2015	Nov-2017
Construction Complete	Apr-2017	Dec-2018	Oct-2019

Manager Muth said the cost associated with the North facility is for Phosphorous removal. This will include changing out the existing aeration tanks to prepare them for biological nutrient removal. Trustee Childress asked for a copy of the schedule for future reference. Trustee Funkey would like a written summary including the definition of terms and the project cost so he is familiar with it to able to answer questions from the public.

Trustee Childress asked if the District had a Permit yet. Manager Muth said this has been in discussion for the past two years. The plans and permits are ready to be signed and submitted to the IEPA and asked for the Board's approval. The District does not have the NPDES Permit yet but there are deadlines to construct these facilities. The NPDES Permit is the State Permit, the Federal Government has been reviewing it and it is expected to be received very soon. The Wet Weather Flow facility was built to reduce overflows to the river without a permit but it had to be done because it was included in the Long Term Control Plan. If we would have waited until the Permit was received there would have been many more overflows than we have now. Now it is mandated by the Federal Government that Phosphorous be removed to 1.0 mg per liter due to Gulf Hypoxia. The Fox River has to have less Phosphorous due to offensive condition of algae. We want to follow the timeline that has been relayed to the IEPA. The timeline is such that we want to present these plans to the IEPA by the end of March and the District has been pressuring Deuchlers to do this. Manager Muth

presented the Board with the Construction permit and the 485 pages of plans. He said that we have tried to consider the Board's input regarding utilizing local contractors and products. The North Facility and the Waubonsie Interceptor projects will be a better opportunity to use local talent. Trustee Funkey stated that after last month's Board meeting he met with approximately 10 Union leaders to discuss the issue of the use of local contractors. They sent him a proposal for the District to include in our bidding documents requiring a Project Labor Agreement. He said this has been used by the County and several Municipalities in the construction of their plants and facilities. As he understands it this Agreement goes in the bidding documents and the owner requires that there be compliance to use local laborers and in turn the Unions agree that there won't be any disruptions or picketing during the construction of the facility. Trustee Funkey asked that a copy be made of the document and given to anyone who wants to read it. Philippe Moreau said they will review it and make sure that it is in compliance with the Federal Loan requirements because it specifically states in the loan document that preference cannot be given to local contractors. Trustee Funkey said he advised the Union leaders that the District wants to keep everything local but Federal funds are being used and they determine what we can and cannot do. He added that in the documents there is an Agreement that he believed has been passed and approved by the Federal courts.

In another matter, Trustee Funkey said the name of Chuck Cooper was given to him. Mr. Cooper works at Fermi Lab and apparently he has a process to remove harmful elements from water. Philippe Moreau said he will pass the name to Mark Halm who specializes in that field to get in contact with Mr. Cooper.

At 10:00 A.M. Manager Muth opened and read aloud bids received for Clarifiers D4 and H3 Mechanism Procurement as follows: Walker Process Equipment – Total Bid \$181,100.00; Evoqua Water Technologies – Total Bid \$214,400.00; Ovivo USA LLC – Total Bid \$200,604.00; R C The Engineer's estimate for this project was \$200,000.00. It was moved by Trustee Sotir, seconded by Trustee Funkey, put to vote and unanimously carried that the low bid of Walker Process Equipment be accepted for \$181,100.00 and the bid of Ovivo USA LLC, for \$200,604.00 be held pending specification review by Fox Metro Water Reclamation District and Walter E. Deuchler Engineering Staff.

Manager Muth continued with the Committee of Local Improvements. He said he would like to move forward with the submittal of the Construction Permit and plans for the South Plant to the IEPA and would like the approval of the Board to do so. Philippe Moreau said it will take approximately three months for the IEPA to review the plans.

Trustee Funkey also wanted to mention that he spoke with Linda Chapa Lavia about the process the District goes through to getting to the USEPA and the role that the IEPA plays and she is willing to write a letter to the Senator or Congressman but would like assistance with regard to the content of the letter. Manager Muth said if we don't receive the language it is believed necessary in our NPDES Permit, he said he would be happy to contact her and ask for her assistance. Manager Muth said there has been

cooperation and John Frerich said that everything has been received. Trustee Funkey said in that case it would be better to hold off until it is necessary.

Trustee Childress said that there are two things that concern him, one is that the Long Term Control Plan is approved but the permit is not approved by the USEPA. He said they are committing to a construction project without the approval. Second is that there is a permit and the loan approval is not there. He wanted to know if language can be added in the bid package that it is subject to Permit and Loan approval. Philippe Moreau said that right now no one is committing to anything. He said this is just a Permit Application like any other project. He said the first step is to get a Permit from the IEPA, afterwards the source of funding which would preferably be a loan from the government because they have a very low rate, but it can also be a bond or cash at hand. He reiterated that applying for the Permit does commit anyone to do anything this just gets a permit in hand to go to the next step which is funding. Manager Muth also added that the Board would have to approve to go out to bid but the Construction Permit is needed prior to that. Trustee Childress just wanted to clarify that this wasn't approving to go out to bid. Manager Muth said no this is just the Construction Permit. Philippe Moreau said that are many steps that have to be followed and this is the first one.

Trustee Sotir asked if the new South facility was capable of handling things like ammonia or any other chemical the IEPA will require treatment for in the future. Manager Muth said it will be able to treat those chemicals. Mark Halm said the South facility is designed for biological Phosphorous removal, Ammonia removal, conversion of the Ammonia into Nitrate and for some degree of total Nitrogen removal and the conversion of Nitrate into Nitrogen gas. The North Facility Phase II will be able to accommodate for Phosphorous removal. If the District ever has a total Nitrogen removal requirement in the future, more of the North facility will have to be offloaded to the South facility and the South facility would have to expand quicker because there is no volume available for total Nitrogen removal on the North facility.

Trustee Sotir said with regard to the BNR there are all kinds of grants out there and asked if the District is pursuing them. Mark Halm said on the South facility there are turbo blowers he will have to research the availability of a grant for that. On the North facility however, he is in the process of finishing a report on the blower capacity. Since the installation of the air main system the cost of electricity has significantly dropped. Right now they are researching the energy consumption with new turbo blowers on the North facility and what the payback will be. Mark said this report should be completed in the next few weeks. If DCEO has the funding we should see some funds. Philippe Moreau said that DCEO is cutting funds. Trustee Childress said there are funds that ComEd is collecting that go into the DCEO pool. Municipal funds go into DCEO and commercial funds go into an administrative by ComEd which means there are some funds available. Mr. Moreau said the program that has been cut is called Energy Initiative Grant Program.

Trustee Sotir added that with regard to the Clean Water Energy Efficiency Initiative there are many new requirements but what she thought was interesting is the fact the electricity that is put in a facility would do the charging and it can be made available to the anyone in the community that would be interested in this type of program. Mark said the Clean Water Energy Efficiency Initiative is a nice program. He said at one point if the kilowatt cost per hour was .05 cents they were awarding grants at .12 cents and then they went to .36 cents per kilowatt hour. He said he has that analysis in their report that is being prepared right now and that report will be an appendix to a grant application that will be submitted to DCEO so they can see how they arrived at the numbers. Trustee Sotir said things need to be tied in when they talk about the current construction project. She said the community needs to understand that we are getting payback and rebates and everything is being done to get those funds.

The Regular Board Meeting reconvened at 10:45 A.M.

Attorney Ingemunson advised the Board that there was no Attorney's Report for this month.

8824 Philippe Moreau addressed the Board with the Engineer's Report. Mr. Moreau requested approval of Partial Payment No. 5 to Frank Marshall Electric, Inc., in the amount of \$51,218.10 for Farnsworth Pump Station MCC Replacement Project. It was moved by Trustee Sotir seconded by Trustee Funkey, put to vote and unanimously carried that payment be made in the amount of \$51,218.10 to Frank Marshall Electric, Inc., for work completed on Farnsworth Pump Station MCC Replacement Project.

8825 Mr. Moreau requested approval of Partial Payment No. 4 to Frank Marshall Electric, Inc., in the amount of \$24,606.00 for Gas and Heat Detector Modification Project. It was moved by Trustee Sotir seconded by Trustee Funkey, put to vote and unanimously carried that payment be made in the amount of \$24,606.00 to Frank Marshall Electric, Inc., for work completed on Gas and Heat Detector Modification Project.

8826 Mr. Moreau requested approval of Partial Payment No. 3 to Lite Construction, in the amount of \$35,460.00 for Building P-1 Remodel Phase 2 Project. It was moved by Trustee Sotir seconded by Trustee Funkey, put to vote and unanimously carried that payment be made in the amount of \$35,460.00 to Lite Construction, for work completed on Building P-1 Remodel Phase 2 Project.

8827 Mr. Moreau requested approval of Partial Payment No. 1 to Visu-Sewer of Illinois, LLC, in the amount of \$163,254.60 for Pleasure View Estate CIPP Lining Project. It was moved by Trustee Sotir seconded by Trustee Funkey, put to vote and unanimously carried that payment be made in the amount of \$163,254.60 to Visu-Sewer of Illinois, LLC, for work completed on Pleasure View Estate CIPP Lining Project.

8828 Mr. Moreau requested approval of Final Payment No. 2 to Visu-Sewer of Illinois, LLC, in the amount of \$18,139.40 for Pleasure View Estate CIPP Lining Project. It was moved by Trustee Sotir seconded by Trustee Funkey, put to vote and unanimously

carried that payment be made in the amount of \$18,139.40 to Visu-Sewer of Illinois, LLC, for work completed on Pleasure View Estate CIPP Lining Project.

Manager Muth addressed the Board with the Manager's Report, he said there is going to be a meeting to compile all comments and notes with regard to the Policy Manual and present it for approval.

Manager Muth discussed the codifying of Ordinances. He said there was discussion approximately three months ago regarding this issue. Jimmie did research regarding companies that would be able to do this for the District. Jimmie said he contacted Municipal Code Corporation and Sterling. Municipal Code Corporation did our codification last time so they have our information and Sterling did responded to his request. Jimmie said Municipal Code Corporation can do the codification including legal review for approximately \$5,000.00. Trustee Childress asked what the codification entailed. Attorney Ingemunson explained that all the Ordinances will be in one code book with an index that will make it very easy to find Ordinances. Jimmie added that he asked for a digital version as well so it can be uploaded to our website to make it accessible to everyone. Trustee Funkey asked if the cost included the ability to update the Ordinances in house. Jimmie said he would have to research that but he suspects everything would have to go through the company and they would maintain the file digitally going forward.

Manager Muth said budgets are moving forward and next month will ask the Board for preliminary approval. The Annual Industrial Pretreatment Report has been submitted to the USEPA a month early thanks to the new staff.

Manager Muth reported that currently they are working on a rate study and the goal is to present it to the Board either May or June.

Manager Muth advised the Board of the Indian Creek Clean Up Service Project. This will take place on April 11, 2015 at 8:00 a.m. The objective is to unite volunteers to participate on the same day in a hands-on service project to better our community.

He also reported that there was a tour of the plant last week. Mr. Don Davids, the Assistant Fire Chief from Aurora spearheaded this tour. He brought a hazmat team and sent the district a letter that read as follows:

"I want to thank you and the staff for the time spent today on the very comprehensive tour of your facility. The members that participated represent eight local fire departments that now have a greater understanding of your process, the facility and how a hazmat spill in their jurisdiction may impact a treatment facility. Dan Rivera conducted the tour and did an excellent job and we appreciate everyone's time."

Manager Muth said the eight fire districts that participated in the tour are now better educated on how important it is for them to control any hazardous situation that may occur in the jurisdictions that lead to us because if it gets in our sewer system we don't

have a very good chance of controlling it coming in and it can be very harmful to our plant because it can kill the microorganisms. Manager Muth said that our employee Dan Rivera was a member of the hazmat team for the Village of Montgomery Fire Department, and thanked him for doing an outstanding job.

Manager Muth said the City of Aurora has a number of individuals high up in their organization that are in Maryland this week and our Field Services Manager Matt Woodin is there as well. The City asked for a member of the District to join them and these individuals are receiving training on Emergency Management.

8829

Manager Muth requested an Executive Session be held to discuss personnel and related matters. It was moved by Trustee Sotir, seconded by Trustee Funkey, 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.

Maintenance Supervisor Chris Morphey reported that the plant is running well. We had a temperature rise but the snow melted slowly so there were no issues at the Plant. The temperature dropped a couple of degrees in the waste water but there were no adverse effects at the plant.

Controller Jimmie Delgado reported that he is working through budgets and rate studies. The audit has been done for some time, paid down some debts and overall finances are looking good.

Trustee Sotir went to IAWA conference in Springfield and wanted to advise the Board that there is a new Clean Water Act that has expanded funding and eligibility from three to eleven different project types. This is good because there are more funds out there but it also takes it to eleven different types of programs that can be asking for those funds. Philippe Moreau added that this is for the Loan Program. He said that before we had three programs that could be funded from the loan and now there are eleven and this means the pool of money that was allocated to loans includes storm water so the District needs to be careful about not missing an opportunity on the loan. Trustee Sotir added that the timing on the South Plant project is critical due to the way the funds are being allocated.

8830

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

Meeting adjourned at 10:45 A.M.

The Regular Board Meeting reconvened at 11:15 A.M.

There were no further decisions made in Executive Session.

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

Meeting adjourned at 11:20 A.M.
