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34001 W. Jefferson Ave, Brownstown Township, Michigan 48173

Regular Meeting Minutes February 19, 2025

The Board meeting was called to order by Chairman Tim Neighbors at 10:00am at the Brownstown Township Hall.

Roll Call: Brownstown – Roxie Fairchild
 Flat Rock – Eric Holtz
 Huron – Eric Scanland
 Woodhaven – Tim Neighbors

S. Rockwood – Art Wenzel
Gibraltar – Michael Blackburn
Van Buren – Sean Bellingham

Also present: Dan Alford
 Andy Mechel, Jacobs
 DJ Kaminga, Jacobs
 Bill Miner, Van Buren
 Bill Davis, HRC
 Brian Marciniak, Flat Rock

Randy Pentiuk, Attorney
Noah Bednar, Jacobs
Mark Houle, Jacobs
Nathan Callison, Jacobs
Stacey Reeve, Plante Moran

Agenda: As presented.

Minutes:

Motion by S. Rockwood, second by Flat Rock, to approve the Meeting Minutes from the January 15, 2025 Monthly Board Meeting. All Communities are present. Motion carried unanimously.

Expenditures:

Motion by Van Buren, second by Brownstown, to approve the January 2025 expenditures of \$1,486,833.81. All Communities are present. Motion carried unanimously.

Trial Balance and Budget to Actual as of December 31, 2025

Motion by Woodhaven, second S. Rockwood to approve the Trial Balance and Budget to Actual as of February 28, 2025. All Communities are present. Motion carried unanimously.

PreAudit Communication Letter, Plante Moran:

Stacey Reeves presented the PreAudit Communication Letter from Plante Moran. Plante Moran will present the findings of the Audit at the April board meeting. Two areas where there is heightened risk include the Lookback Calculation as well as Contingent Liabilities. Mrs. Reeves asked the Board members if there are any areas in which Plante Moran should spend additional focus to please let her know.

Jacobs Report:

Mark Houle reported that the TSS meter has been working great and can give Jacobs an early warning. Communication was received from EGLE for the high TSS reading from November. Mr. Houle acknowledged and responded to the communication letter and believes their response will be approved without any issue. In regard to Amendment No.8 for the Jacobs' contract, Mr. Houle wanted to add that he believes the revised pay as you go revisions to be better than the previous rebate payment method.

Noah Bednar reported that no issues or exceedances were noted in the month of January. About 1-inch of precipitation was received in January. With that the plant saw some increased flows. At the beginning of the month four Biodecks were utilized. The plant reduced that amount to three then further down to two by January 7th. While the plant is at 100% secondary capacity there are issues due to icing on the Final Clarifiers. Currently two Clarifiers are in service. 12-hr coverage continues without issues. Due to the large rain event on the 11th there was a larger spike in ferric than anticipated. As an experiment Jacobs increased dosing early to fully get ahead of the curve which is shown in Exhibit 1 and 2. The other spike that is shown in the Exhibits is around the 24th from an Emergency draining of one of the Clarifiers due to the arm breaking from an ice issue, which is still being investigated. Exhibit 3 shows all compliance data with no phosphorus issues. The highest phosphorus was recorded at 1.7mg with the monthly average being 0.3mg. This is well below the new permit limits. The new permit took effect on February first. Two odor complaints were received in January. Mr. Bednar visited the residents who made the complaint at the site to investigate and let them know about the installation of the odor control unit. Mr. Houle added that the Lystek odors contribute to some neighborhood issues but they haven't heard from any other residents besides the ones who frequently send in complaints. Mr. Bednar continued to report that overall chemical and energy usage for the month has been down with small increases in sodium bisulfate, ferric, and Lystek polymer.

Dan Alford added that GWA increased orthophosphate to protect the drinking water systems by 50% October 1st and again by 50% on February 1st. Since ferric usage has trended upwards around 10% Mr. Alford inquired if this is something that Jacobs is keeping an eye on. Mr. Bednar noted that after the first increase, Jacobs staff did not see any impact at the plant but the biology that Jacobs uses for phosphorus removal has not fully adapted after the second rate increase. With that there have been some phosphorus spikes. Mr. Houle added that due to it

being the coldest months of the year there will be some phosphorus spikes. Jacobs continues to adjust and learn as time goes on as the exact cause and effect is not obvious.

Mr. Bednar continued to report that two Biosolid storage cells are empty with one full and the last a third full. In January the production of LysteGro was good. Mr. Houle added that the PFOS and PFOA numbers are well below the action levels of the State. He submitted those numbers to the State and should get an ok from the State to land apply. Mr. Alford asked Jacobs what the plan is in case of an emergency as two Final Clarifiers are out of service. Mr. Bednar responded that Jacobs would remove the broken section and the scum collectors from the top of the Clarifier. Scum is at an all time low due to the new technology. The arms are easily rotated for easy access to bring an additional Clarifier into service. Mr. Houle added that there will be time to react to any situation that may arise. Mr. Alford added that the Final Clarifiers have two purposes which are to settle the solid sludge out and to remove the scum. The scum removal at the top would be the only thing that would be temporarily out of service.

Andy Mechel reported that Pump Stations have been operating well. Pump 1 VFD was swapped out at the Trenton Arm pump station due to an assumed spike from DTE. Cleaning and painting continues. Jacobs plans to rent out a heater to thaw out Primary Clarifier #3 so that work can be completed there. HVAC issues are being worked on as some units were not working properly. Annual infrared inspection was completed. Installation will begin on the odor control unit today and should be completed by the end of the week. The VFD on the LysteGro tank blower was installed a few weeks ago. Mr. Alford inquired if the VFD at Trenton Arm could be submitted to insurance. Mr. Mechel noted that he doesn't have evidence that it was from DTE but all outliers trend towards that. Mr. Mechel continued to report that work orders were completed per usual. For this month Jacobs will proceed with Primary Clarifiers, meet with the Insurance adjuster in regard to the Elevator Repair, and find a solution to the Final Clarifier #1 drain leaking. Quotes have been received for the RAS line to be replaced. Hypochlorite tank repairs began but it was shortly realized that the tanks were cracked and needed to be replaced. Taplin was onsite to clean out the West Grit Tank, which will be put back in service. MISS DIG tickets have been received but not many markings were made in January. In regard to sustainability Mr. Mechel brought bottles of honey from the bee hives that are being maintained on the premises to share with everyone.

CDM Smith Billable Flow Report for January: **Capacity Exceedances**

Dan Alford informed the board that a verbal report will be done of the exceedances. There were no exceedances for this month at the interceptor system or at the plant capacity. Motion by Woodhaven, second by Brownstown, to receive the CDM Smith Billable Flow Report for January. All Communities are present. Motion carried unanimously.

HRC Report: **Priority 1 & 2 Plant Improvement Project Update**

Bill Davis reported that the project has reached substantial completion. The contractor is working completing Punch list items and claims still need to be resolved. The biggest items last month

include the broken mechanisms on Final Clarifier #4 and #2. HRC is trying to work with the Manufacturer to honor their warranty. Some parts have begun to arrive at the plant. The Manufacturer's representative will be on site to work on getting the new parts installed. Chairman Neighbors asked how the clarifier mechanisms were damaged. Mr. Davis replied that Clarifier #4 failed due to a leak at the discharge area, which allowed water from the clarifier to leak into the scum beach and caused icing. As a result, the arm got caught and stopped working but in Clarifier #2 the arm and the paddle continued to move and was bent because the torque sensor failed to stop the arm. The manufacturer is honoring the parts for warranty. Several of the punch list items will require warmer days to be completed. Mr. Davis hopes to complete those in March/April. Mr. Davis will begin to jump into claims.

Mr. Alford inquired if HRC will conduct testing now that the VFD is installed in the fan building for the Haag Tank ventilation. Mr. Davis will work with Jacobs on setting up testing in the Spring. Randy Pentiuk added that he would like to take a look over the warranty language where there is an issue over labor.

System Manager Report:

Jacobs Amendment No. 8

Dan Alford presented Jacobs Amendment No. 8 which is the annual renewal of Jacobs contract. He feels that this is a solid amendment with only payment terms changed and the contractual CPI cost increases included. Things have been working smoothly with Jacobs so he is happy to bring this amendment forward.

Motion by Van Buren, second by Woodhaven to approve Amendment No. 8 to the Agreement for Operations, Maintenance and Management Services between Jacobs and SHVUA, which shall take effect on January 1, 2025, subject to the confirmation of the calculations and compliance with the appropriate provisions of the Contract by the System Manager, System Attorney and System Accountant. All Communities are present. Motion carried unanimously.

Michigan Municipal League Annual Dividend

Mr. Alford continued to report that a check for nearly \$13,000 was received by the Michigan Municipal League. That amount calculates to about 8% of our annual premium that the Authority pays. Since Michigan Municipal League is a pool funded by members, they return some money to their repeat members as long as their finances allow.

The new NPDES permit started February 1st. The changes to note are the eventual lower phosphorus limits after a few years. Jacobs' team is already hitting the upcoming numbers, namely 0.6 ppm in the growing season and 0.8 ppm in the winter. In addition a 60% reduction will be required in Mercury levels. Mr. Alford is not seeing any issue with meeting these new requirements. Jacobs plans to watch Mercury limits closely and will take action if need be. The last requirement EGLE requests is the reporting of sodium, chloride and sulfate, which Jacobs sampled the previous week. Mr. Houle believes that EGLE will eventually want to lower bisulfate limits. These permit limits are issued for the next five years.

Attorney Comments:

Randy Pentiuk reported that in regard to MML Mr. Bellingham and Mr. Alford will be looking at our premium costs. Mr. Bellingham has been taking the lead on an arbitrage deadline related to the construction bonds. He reported that there is no immediate rush and plans to bring it to the Board next month.

Mr. Pentiuk continued to report that Mr. Alford and Jacobs have been busy going through storage boxes to scan documents to upload them to the cloud. With that work being done he was motivated to look at documents he has as well and believes Sharry Budd may have documentation that may be worth uploading to the cloud as well. Mr. Davis added that HRC has many documents containing drawings of designs and etc. but are not administrative items. Mr. Alford added that the goal is to have records set up on the cloud so that information can be secure and reached easily.

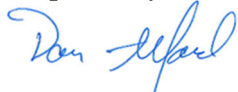
Other Business:

No other business is to be presented at this time.

Adjournment:

Motion by S. Rockwood, second by Brownstown to adjourn the monthly SHVUA board meeting at 10:53 am. All Communities are present. Motion carried unanimously.

Respectfully submitted,



Dan Alford, PE
System Manager