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34001 W. Jefferson Ave, Brownstown Township, Michigan 48173

Regular Meeting Minutes August 16, 2023

The Board meeting was called to order by Chairman Tim Neighbors at 9:58am at Brownstown City Hall.

Roll Call: Brownstown – Justin Danosky S. Rockwood – Art Wenzel
 Flat Rock – Eric Holtz Gibraltar – Scott Denison
 Huron – Eric Scanland Van Buren - Sharry Budd
 Woodhaven – Tim Neighbors

Also present: Dan Alford Randy Pentiuk, Attorney
 Mark Houle, Jacobs Nathan Callison, Jacobs
 Scott Mangold, Jacobs Sean Bellingham, Van Buren
 Noah Bednar, HRC Lauren Fath-Azam
 Alyssa Gunsorek, PCK Michael Landis, Gibraltar
 Stacey Reeves, Plante Moran
 Zach Hayward, Representative Congressman Dingell's Office
 Bryan McMurrin, Representative Senator Peters Office

Agenda: As presented.

Discussion on Federal Grant Opportunities/Status of 2024 Community Project Funding

Request:

Alyssa Gunsorek introduced Congressman Dingell's Office Representative Zach Hayward to the Board. Mr. Hayward is here to update the board on the progress of the Community Project Funding request SHVUA submitted in March through Congressman Dingell's Office. Mr. Hayward is also here to update the board on the PFAS opposition resolution.

Mr. Hayward updated the board that the FY24 Community Project Funding has made its way to appropriations and is tied to the overall budget process. The timeline is as follows: Recess is in progress for August and will come back in September with the main focus on passing the overall budget. The Community Project will be a part of the full budget which will have to go through the House and Senate. The deadline to have it all pass is September. The overall budget will

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either fully pass, pass with a continuing resolution or have a government shutdown. The funding will be secured once the budget is passed through the House and Senate, and signed by the President. Allocation of the project would begin a few months afterwards. The total budget amount request hasn't been cut at this time.

Randy Pentiuk inquired how SHVUA would move forward with future funding opportunities. Mr. Hayward asks that Mr. Pentiuk or the SHVUA board to reach out to himself personally in January-March in regards to the Community Funding process.

Mr. Hayward continued to speak about PFAS. He reported that the EPA is still considering exemptions and is in the process of finalizing the rules. The EPA is aware of the concerns from hundreds of Wastewater Treatment Plants and are working to get more clarity on the issue. Mr. Hayward added that there may be an option for a liability shield as a form of protection. Dan Alford pointed out that it would be in the best interest for the cost wastewater treatment for residents in the State of Michigan to not follow in Maine's footsteps who banned land application.

Alyssa Gunsorek introduced Senator Peter's Office Representative Bryan McMurrin to the Board. Mr. McMurrin presented to the Board future spending opportunities in respect to grants and will be working hand in hand with Representative Dingell's office. Senator Peters is on the appropriation committee and in a good position to get as many projects in as possible. The first step is getting the project submitted, through the appropriations committee and on the funding bill. In the 2025 fiscal year Senator Peters office is willing to work with SHVUA on Congressionally directed spending and can also support SHVUA with their office's Grant Coordinator to search for any additional Federal grant opportunities.

Minutes:

Flat Rock was not present at the July 19th Meeting. Noting that change; motion by Gibraltar, second by Huron, to approve the Meeting Minutes from the July 19, 2023 Monthly Board Meeting. All Communities are present. Motion carried unanimously.

Expenditures:

Motion by Brownstown, second by Woodhaven, to approve the July 2023 expenditures of \$1,509,080.31. All Communities are present. Motion carried unanimously.

Budget to Actual and Trial Balance as of August 31, 2023

Motion by S. Rockwood, second by Brownstown, to approve the Budget to Actual and Trial Balance as of August 31, 2023. All Communities are present. Motion carried unanimously.

Jacobs Report:

Nathan Callison reported that July was a busy month and there were a lot of CIP update changes at the plant. On the 3rd and 18th of the month routine stormwater inspections were conducted

with no issues noted. On the 26th the comprehensive stormwater inspection was completed with no issues noted. On the 31st monthly spill and countermeasure inspections were conducted with no issues noted. On August 9th precipitation data, flow data etc. was submitted to CDM Smith. On August 10th the eDMR and MOR data were submitted to MiWaters. Over 4" of precipitation was received for the month. The EQ Basin was not utilized. On the 27th Jacobs preemptively put a 3rd biodeck in service before heavy flows came in. Final Clarifier #3 was placed into service on July 13th and on August 7th demo began on #1. 12-hr coverage continues without issues and Jacobs increases staffing the plant when necessary. Lystek has communicated that they will haul in late September. Exhibit 1 shows an increase in phosphorus usage on the 13th due to putting Final Clarifier #3 back in service. Adjustments needed to be made. On page 95 exhibit 2 shows ortho phosphorus readings in conjunction with using ferric chloride. Exhibit 3 shows compliance data for the month. Despite the large phosphorus spike the plant operated without any compliance issues. No NPDES exceedances this past month. Jacobs sampled Willow Run Airport, Grand Trunk Railroad, Arsenal Road Landfill, and Flat Rock Metal. The plant has used 27% of the ferric chloride annual usage just last month alone. Hypochlorite usage increases as ferric chloride usage increases. Due to the CIP the plant used 20% of their hypochlorite annual usage in July. No land application was done in July. 3 cells of the sludge storage tanks are in service and 4 will be ready soon. Produced 102,000 gallons of LysteGro in July and did not remove any Biosolids.

Mr. Callison added that Jacobs is looking at grant opportunities as well. Jacobs will need to apply by November 1st for the 2025 fiscal year for The Clean Water State Revolving Fund by EGLE.

Scott Mangold added that Jacobs internal consultant believed the EGLE grant to be the best option for SHVUA because of the lack of disadvantaged communities within the system.

Mark Houle reported that Lystek is ready to go come the first week of September. Jacobs will provide a pump operator for now to load the trucks until a better solution is found. The day after Final Clarifier #3 went into service PFOS was tested higher than the normal plant influent level. Many items that went into construction have the potential to have PFOS in them. PFOS was tested at 37 and the average has been around 5 or 6. Willow Run has begun discharging and has a PFOS of 230. That technically should only raise influent numbers by 11 and the influent was lower than affluent. Mr. Houle believes the high PFOS numbers are due to Primary Clarifier #3. Mr. Houle is expecting PFOS retesting results any day now. Right now Willow Run is on notice and will be putting in an activated carbon treatment. Mr. Houle noted that they are not seeing numbers from the rest of the industries. If clarifier #3 numbers come back high and the other clarifiers come back low then we will know that it was most likely due to the building materials. Dan Alford will allow passing down the testing costs to SHVUA if the high PFOS numbers are due to the new clarifier. If results come back the same then Jacobs priority will be getting Willow Run numbers back down.

Mr. Houle continued to report that they began using SFE for the pumps on July 21st. For 10 days the water tower pumps didn't cycle. As of now there are some industrial water usage right now that Mr. Houle plans to speak to Noah Bednar about.

Maintenance wise it has been a busy month. Progress was made with the Primary Clarifier yet there is more to do. An approval request was sent out for lightning protection as many issues at the plant are due to storms. Lystek has been problematic in some ways but the plant has been handling these high flows extremely well. Mr. Callison noted that Jacobs does plan accordingly for the storms. Collection system cleaning and inspections are moving along. Jacobs had noticed an odd pattern of wet well elevation trending from Odette. The Odette wet well was cleaned up from floatables and right afterwards the radar began to work properly again.

Jacobs will be hosting the meeting next month at the plant and Jacobs will have an Open House immediately following.

CDM Smith Billable Flow Report for July

Motion by Gibraltar, second by Woodhaven, to receive the CDM Smith Billable Flow Report for July. All Communities are present. Motion carried unanimously.

HRC Report

Priority 1 & 2 Plant Improvement Project Update

Noah Bednar updated the board that the overall construction is at 76%.

Highlights on the construction include the substantial completion of Final Clarifier #3 with demolition beginning on Final Clarifier #1. HRC is currently working with Lystek in regards to the odor issues. Upcoming items include the completion of the HVAC work this week and beginning to commission pump P4.

Changes in the work include change order 10.

Motion by Woodhaven, second by Gibraltar to approve an increase to Heaney General Contracting, Inc.'s total construction contract amount by \$65,220.22 from the current contract amount of \$20,671,299.20 to the new amount of \$20,736,519.42 and the Chairman to execute it on behalf of the Authority. All Communities are present. Motion carried unanimously.

System Manager Report

Dan Alford reported that the plant odor issues are related to the new Lystek LysteGro system that is at the plant. A formal letter has been sent to Lystek to put them on notice. Lystek is happy to meet with Jacobs on the matter. Two components of the new odor, methane and ammonia, require conflicting ventilation strategies. Mr. Alford added that Jacobs has been very proactive in trying to control this as much as possible.

Randy Pentiuik inquired if Lystek will be helpful in providing a solution to the odor issue as they calculated lower numbers than what we are experiencing. Mr. Alford believes that Lystek will be helpful in resolving the issue. Mr. Callison added that they have found a company that will rent out an odor control system which may be a short-term solution.

Based on the board's direction last month the resident issue in regards to the Odette Pump Station has been resolved but SHVUA is still following up with contractual remedies.

In regards to the Open House September 20th, Mr. Alford will be sending out a corresponding RSVP email and location change notification.

Attorney Comments

Randy Pentiuik believed that Senator Peter's and Representative Dingell's Office's presentations were very significant in regards to future funding processes and developing a relationship with them.

Other Business

Stacey Reeves inquired if anyone is looking at the inflation and reduction credit opportunities for solar and all other alternative energy options. Alyssa Gunsorek noted that they have briefly. Mrs. Reeves added that previously, solar energy credits were not available to governments and nonprofits but were expanded.

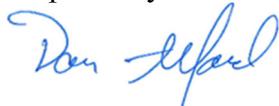
Scott Mangold agreed that he will have Jacobs' team look into it as well.

No other business was presented at this time.

Adjournment:

Motion by Gibraltar, second by South Rockwood to adjourn the monthly SHVUA board meeting. All Communities are present. Motion carried unanimously.

Respectfully submitted,



Dan Alford, PE
System Manager