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34001 W. Jefferson Ave, Brownstown Township, Michigan 48173

Regular Meeting Minutes January 15, 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
 Nick Lenzi, Jacobs
 DJ Kaminga, Jacobs
 Bill Davis, HRC

Randy Pentiuk, Attorney
Noah Bednar, Jacobs
Mark Houle, Jacobs
Nathan Callison, Jacobs
Rommy Sleiman, DTE

Agenda: As presented.

Minutes:

Motion by Flat Rock, second by S. Rockwood, to approve the Meeting Minutes from the December 18, 2024 Monthly Board Meeting. All Communities are present. Motion carried unanimously.

Expenditures:

Motion by S. Rockwood, second by Flat Rock, to approve the December 2024 expenditures of \$613,023.34. All Communities are present. Motion carried unanimously.

Trial Balance and Budget to Actual as of December 31, 2024:

Motion by Van Buren, second Brownstown to approve the Trial Balance and Budget to Actual as of December 31, 2024. All Communities are present. Motion carried unanimously.

Jacobs Report:

Mark Houle reported that December was a good month. Flows were high up to 30 million gallons. All four biodecks were utilized at the plant and we are now back down to two. The last land application invoices were included in this month's invoice that Sean Bellingham received. The overall chemical budget was close to the forecasted total.

Noah Bednar reported that there were no NPDES exceedances this month. Jacobs has yet to receive any compliance communications from the State of Michigan regarding the plant upset, which occurred in November. After Mr. Bednar, Mr. Houle and Dan Alford met with EGLE; it seemed that SHVUA likely will just receive a violation notice letter. Jacobs has taken actions to make sure that this does not happen again. The installation of the new online TSS meter was completed and seems to be working well. The service area received an average of 2.7 inches of precipitation during December. Luckily, just a couple of weeks before that, the plant was given 100% secondary capacity back. 12-hour coverage continues as normal. Draining Biodeck 3 resulted in a large peak in the middle of the month as Mr. Bednar was draining it with a new operational method. There were no phosphorus violations in December. The charts in the meeting packet show that ferric usage was increased and the methods were modified in which they were used. Two Biodecks have been drained since then and there were no phosphorus spikes with either of those drainings. Exhibit 3 of the meeting packets shows the monthly compliance status. From the lab IPP standpoint, Jacobs conducted some inspections. Only one odor complaint was received in December. Exhibit 5 shows chemical and energy usage. Mr. Bednar noted that they were able to get sodium bisulfate down by 50% as well as sodium hypochlorite down by 21%. The only chemical that is slightly abnormal in appearance is ferric chloride as Jacobs needed to utilize a lot of ferric to when tanks were drained and cleaned. Jacobs new method for dealing with this occurrence was tested and doesn't create any issues. Mr. Houle wanted to add that the numbers for January are at 0.2 mg/L for phosphorus, which is unheard of. It's mostly biological treatment and includes a lot of tank management Jacobs is learning and refining as they go. Mr. Bednar continued to report that LysteGro solids production was productive in December and is nearing full capacity on cell 4. Come the Spring the plant will most likely be at half capacity. Dan Alford inquired if SHVUA can expect the amount listed on page 57 totaling around \$6,400 for the annual LysteGro rebate. Mr. Bednar confirmed that is correct. Mr. Alford also wanted to point out in regard to the meeting in November with EGLE; SHVUA's violation was for the seven day total suspended solids going to the river. Jacobs understood the situation quickly and addressed it properly. It was such a large single day number that it exceeded the seven-day total suspended solids parameter. Typically those kinds of solid violations happen when the plant is not getting rid of their solids. It says something that this happened while Jacobs was actively doing preventative maintenance and cleaning all while having essentially a zero solids inventory. EGLE made a point to address that the number was significant, but it was a good discussion. A letter will be received to direct SHVUA to not repeat the high solids discharge.

Andy Mechel reported that the collection system and interceptors cleaning and CCTV information was received from Taplin for the year, which is included in January's report. Dragonfly was discussed at the innovation workshop meeting and will be presented at a different date. The water line was fixed at the Trenton Arm Pump Station and upgrades are being worked on at Trenton Arm. Significant maintenance includes thawing out the Primary Clarifiers to complete work on tank #3. The water tower inspection was completed, and Jacobs is waiting on a report. The annual infrared inspection was completed for the electrical switchgear. Preparations were made to get ready for the trial odor control system for the LysteGro tanks. The unit should be arriving next week. Work orders and PMs are moving smoothly. This month Jacobs will continue to work on the Primary Clarifiers and the elevator repairs again. Other tasks for this month include replacing pumps and getting the odor control system online to eliminate odor complaints.

The Grit System was being worked on today and yesterday as the tanks were out. MISS DIG tickets were similar this year as compared to the previous year totaling 117 for the year. Training efforts continue with a class starting next week. Tim Neighbors inquired if the water tower report will be in next month's report. Mr. Mechel confirmed that it should be. Mr. Alford inquired about how the cold weather is affecting the Clarifiers. Mr. Houle added that things are going well and reported that Final Clarifier #4 was damaged due to improper draining at the scum beach. Mr. Houle added that Jacobs is running three Clarifiers with two fine air diffusers to maximize energy efficiency. The TSS meter is working so well that Jacobs is able to note when blankets increase even a small amount. Jacobs is monitoring it every night. If Jacobs sees an 8 or 10 then they will come to check on things. The limit is 30 for the month and 45 for the year. Testing is done weekly. Nick Lenzi added that it is great to have the TSS meter as a backup.

Mr. Alford also inquired about how Jacobs will be testing and evaluating the odor control system they are receiving in a couple of weeks. Mr. Callison noted that Jacobs will be testing the opening in the pipe before and after the odor control unit to determine what goes in and what comes out. Ammonia will be neutralized. Mr. Neighbors inquired if we can have the company come out and test the house that has made multiple complaints. Mr. Lenzi agreed that they can explore what is happening at that location.

CDM Smith Billable Flow Report for December:

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

HRC Report:

Priority 1 & 2 Plant Improvement Project Update

Bill Davis apologized that the report which was included in the packet is not the correct report and was in fact November's report. Mr. Davis reported that Final Clarifier #2's demonstration was successful, therefore the project has been substantially complete as of Christmas day.

Heaney continues to work on punch list items. The grit manufacturer representative was on site to address the punch list items to get the system up and running. In general the punch list items should be done at the end of February. Heaney is working on the Scum Beach as it is leaking on

Clarifier #4. This resulted in ice building up and damaging the clarifier arm. The claim for Heaney for the time extension is lingering. Mr. Davis will move forward to review and craft a response to that claim in the next weeks. Mr. Neighbors inquired if we will have to wait until the Spring to tackle the punch list items. Mr. Davis noted that the major items will be worked on, but there are some items that will need warmer weather. Mr. Davis doesn't see any issues on Heaney completing the punch list. The dollars in retainage will not be released until those punch list items are completed. Randy Pentiuk inquired if Heaney had supplemented or expanded their claim documentation. Mr. Davis noted that they did not and the claim stands as when it was submitted. Nothing new was presented in the meeting with Heaney other than Heaney walking through and explaining the numbers in the claim. Mr. Davis believed this was helpful but not in supporting or revising their position. Heaney was surprised to have received an email from Seiler and they will be reaching out to their surety. No correspondence has been received from the other subcontractor Reese.

System Manager Report:

Macomb County Drone Sewer Inspection

Dan Alford apologized for missing the old HRC report that Mr. Davis sent to him.

In December Mr. Alford had the opportunity to talk with Macomb County about their sewer inspections utilizing drones. Macomb County showed Mr. Alford the \$30,000-\$40,000 drone they use to inspect sewers in house. He noted the many benefits of using a drone for sewer inspections which include: improved lighting, 40 minutes of video battery time, various attached sensors, etc. This new technology will provide better information for better analyses and may cut down costs and increase the quality of the sewer inspection reports. Keeping the sewer system reliable minimizes costs and increases safety. The better the Collection System is maintained the more we can avoid sinkholes and odors. Currently there are no contractors who are offering this drone sewer inspection service in the State. Mr. Alford noted that it could be an exciting improvement for the future.

Attorney Comments:

Randy Pentiuk reported that we are ready to hear back from Jacobs next month in regard to their amendment. Sean Bellingham and Mr. Alford have been on top of the asset inventories that we base our insurance premiums on. Mr. Bellingham brought to Mr. Pentiuk's attention that construction bond interest needs to be coordinated with the construction project schedule. Mr. Pentiuk looks forward to updates on Heaney. Mr. Bellingham added that the ball is in the Insurance claims adjuster court on getting the checks for the elevator sent out. Mr. Pentiuk noted that our strategy is to follow up with the Insurance Company to settle the elevator claim.

Other Business:

Tim Neighbors inquired when we will be discussing cyber security. Mr. Lenzi noted that he will work with Mr. Alford on when the best time would be to discuss cyber security and the potential

UV solar project. Mr. Lenzi will send all the content that was presented at the Innovation Workshop yesterday to Mr. Alford. Mr. Alford added that the Technical Committee will be coming in a few weeks and may be a good time to bring those items as part of the Jacobs O&M report. Mr. Alford reminded the Board that he has sent out an email inquiring what the best date and time would be for the Technical Committee meeting.

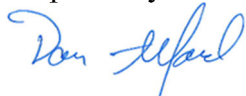
Mr. Houle requested that the SHVUA communities send him an updated list of all commercial and industrial users. He will need this information for the Annual Industrial Pretreatment report. Mr. Houle also requested that Jacobs be notified if a new dentist opens so that Jacobs can make sure each dental office is complying with the disposal of mercury. Mr. Alford added that our mercury permitted level was dropped 60% 5 years ago and will drop another 60% with the new permit.

No other business is to be presented at this time.

Adjournment:

Motion by Woodhaven, second by Brownstown to adjourn the monthly SHVUA board meeting at 10:52 am. All Communities are present. Motion carried unanimously.

Respectfully submitted,



Dan Alford, PE
System Manager