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34001 W. Jefferson Ave, Brownstown Township, Michigan 48173

Regular Meeting Minutes September 18, 2024

The Board meeting was called to order by Chairman Tim Neighbors at 10:01am at the South Huron Valley Utility Authority Wastewater Treatment Plant.

Roll Call: Brownstown – Roxie Fairchild (Arrived at 10:04am)
S. Rockwood – Art Wenzel Flat Rock – Eric Holtz (Absent)
Gibraltar – William Cain Huron – Eric Scanland
Van Buren - Sean Bellingham Woodhaven – Tim Neighbors

Also present: Dan Alford Randy Pentiuk, Attorney
Mark Houle, Jacobs Noah Bednar, Jacobs
Andy Mechel, Jacobs Nick Lenzi, Jacobs
Bill Davis, HRC Bill Miner, Van Buren
Stacey Reeves, Plante Moran Scott Ostoin, Woodhaven

Agenda: As presented.

Minutes:

Motion by S. Rockwood, second by Van Buren, to approve the Meeting Minutes from the August 21, 2024 Monthly Board Meeting. All Communities are present besides Brownstown and Flat Rock. Motion carried unanimously.

Expenditures:

Motion by Woodhaven, second by S. Rockwood, to approve the August 2024 expenditures of \$1,327,426.26. All Communities are present besides Brownstown and Flat Rock. Motion carried unanimously.

Trial Balance and Budget to Actual as of September 30, 2024:

Motion by Woodhaven, second by Huron, to approve the Trial Balance and Budget to Actual as of September 30, 2024. All Communities are present besides Brownstown and Flat Rock. Motion carried unanimously.

Jacobs Report:

Mark Houle welcomed the group to the plant and addressed the compliance issues they have had this past year with biosolids, bypassing and the two fecal/E coli issues. Himself and Jacobs do not take compliance lightly. Mr. Houle and his staff have taken future precautions to make sure that this doesn't happen again. Dan Alford thanked Mr. Houle for reinforcing their compliance practices.

Noah Bednar reported that all NPDES limits were met this month with no issues noted. The MOR and DMR were filed on September 12th for August. The surface area received 3.74" of rain in the month of August. During that time no issues arose at the plant. The EQ Basin was utilized due to construction work. During that time 1.65 million gallons were sent to the EQ Basin to aid in the shut down. As a reminder the plant is at 75% secondary treatment capacity until the Final Clarifier is completed. 12-hour coverage continues without any issues. On Exhibit 1, one phosphorus spike occurred during the middle of the month from when Jacobs began clearing out one of the primary tanks. Jacobs continues to be diligent on balancing cleaning and what the plant can handle so that no violations are received. Mr. Houle added that even with the spikes shown the plants monthly average was 0.4 mg/L. Mr. Bednar continued to report that phosphorus spikes are shown in exhibit 2. These spikes result in a spike in ferric use. Ferric base level changes based on how many Biodecks are in service. Exhibit 3 shows specific NPDES permit limits and results. No exceedances noted for August. Three industrial users sampled in August include: Arsenal Road Landfill, Koala Wash, and Flat Rock Metals, and Jacobs is waiting on pending results. In regards to odor issues, complaints have been logged. Exhibit 4 shows this past month's number of complaints totaling one. Exhibit 5 shows chemical usage. Sodium Bisulfate and Hypochlorite were used at nearly double the normal rate this past month as the disinfection time was decreased due to having to bypass the Chlorine Contact Chamber. Mr. Houle added that the intention was to have it down with the work being completed in a couple of weeks but the coordination was not there. Records were noted as to when the Chlorine Contact Chamber was down and when it was cleaned for financial information related to chemical usage. Dan Alford added that they were clear with the Contractors on the cost of being behind schedule and they still did not execute well. Mr. Bednar continued to report that the Chlorine Contact Chamber is now back in service. Biosolids have not changed much. Hauling is expected to occur in late September or early October.

Andy Mechel reported that the Interceptor cleaning and televising has been moving along well. Cleaning was finished on the 36" section on Van Horn. Mr. Mechel believes that we should put a plan into place longer term to clean the older sewer pipes. Trenton Arm is doing well and the switch over to ethernet for those pumps is finishing up. No recent issues have arisen at Odette. Cleaning and painting continue. Jacobs team is looking forward to the completion of the project so that they can clean everything up and get the plant back in order. A Sodium Bisulfate valve was repaired by a contractor. Jacobs finished up on a few other rooftop exhaust fans. Currently Jacobs is working on getting primary clarifier #2 cleaned out and resuming elevator repairs. The

repaired rotating assemblies for the raw sewage pumps were returned by the service shop. PM's and CM's are getting completed as needed. Jacobs continues to work with HRC and Heaney to move forward to completion on the CIP. Currently waiting to get the sump pump installed and the LysteGro loading pump installed. Jacobs plans to get the rotating assembly switched out on raw sewage pump #6 and Jacobs will do more investigating on the RAS line pin hole leak.

Mr. Houle added that they are right near a balance of \$86,000 for the budget. Mr. Houle would like to add in a security system for a minimal cost. In regards to hauling Jacobs has arranged to have the contractor bring a temporary sludge pump just like last time. The plan is to take as much as possible out of 3 as the contractor hauls out of 4. The sump area that has gathered a lot of fine stringy rags will be cleaned and the rebuilt permanent sludge pump will be installed afterward. MISS DIG tickets are rolling in like crazy and training continues.

Mr. Alford inquired in regards to Primary Tank #1 on the major equipment status shown on pg 59 of the Board meeting packet. Mr. Alford is looking for clarification as he thought Tank 1 was in service now but is listed as out of service. Mr. Mechel noted that Tank #1 is in fact in service.

Mr. Alford continued to inquire about the note of waiting for Duperon in order to repair the fine screens. Mr. Mechel added that we are waiting on the contractor to fit us into their schedule.

Lastly, Mr. Alford inquired why the Trenton Arm rain gauge has been listed as out of service for quite some time. Mr. Mechel added that parts from Outbound Technologies have been received and will need to be switched in.

Mr. Houle reported that he and his staff were contacted by Gibraltar regarding a large water usage they learned of from the Great Lakes Water Authority. It was reported that 200,000 gallons of water were being used between 6 and 7am in Gibraltar from Monday through Friday. This has been occurring for 3 weeks now. Mr. Houle contacted CDM Smith who informed him that it was not hitting the SHVUA sewer system.

CDM Smith Billable Flow Report for August:

Motion by S. Rockwood, second by Van Buren, to receive the CDM Smith Billable Flow Report for August. All Communities are present besides Flat Rock. Motion carried unanimously.

HRC Report:

Priority 1 & 2 Plant Improvement Project Update

Bill Davis reported that Construction has moved forward to 92% completion. Work for final Clarifier #2 continues. The SEL is fully installed, the center column has been installed, the bridge is in place and the contractors are currently working on installing the rotating arms. Some concrete repairs need to be completed in the Clarifier which should be completed this week or next. The contractor set to be on site October 23rd for the start-up of the last Clarifier. In regards to the Grit System, installation of the handrail and a platform is underway. Concrete repairs within the North Influent Channel are underway right by Primary Tank #2. Spraying has begun and testing of the coating will be done on Monday. Repairs at the RAS building have been

completed and the baffle wall in the Disinfection Tank has been completed. Although the process was painful it was successful. The contractor has started to demobilize. Restoration is set to begin next week and with any luck towards mid-October all major construction items may be completed. In general, although there has been a lot of staff turnover with Heaney they have been all hands-on deck to complete the project and appear motivated to resolve issues and complete construction. Mr. Davis noted that claims have not yet been received but a claim is being reviewed and prepared by Heaney. He is working with Andrew at Heaney to eliminate issues before a claim is submitted.

Motion by Van Buren, second by Woodhaven to approve an increase to Heaney General Contracting, Inc.'s total construction contract amount by \$22,697.29 from the current contract amount of \$21,012,945.11 to the new amount of \$21,035,642.40 and for the Chairman to execute it on behalf of the Authority. All Communities are present besides Flat Rock. Motion carried unanimously.

System Manager Report:

Draft NPDES Permit

Dan Alford reported that he reached out to their contact in regards to the NPDES Permit and have yet to have heard a reply. He expects that it's still being deliberated at EGLE.

GLWA Drinking Water Ortho-Phosphorus Increase

The State is lowering the action level for lead and copper inside of drinking water in homes. The State has scheduled the lowering of lead action level standard starting January 1, 2025 to 12 parts per billion. GLWA has done a large study and has found that they could increase Ortho-Phosphate 50% October 1, 2024 then let it stabilize and increase it again January 1, 2025. From the drinking water side SHVUA has been given a draft permit asking us to reduce phosphorus and water re-discharge. Mr. Alford added that the one silver lining is that there could be consideration given to all the Facilities that are looking at a drop from 1.0 to 0.6 mg/L which we fall into. In 2027 the State plans to implement the lower level requirement as per SHVUA's draft permit, pending any review comments.

GLWA volunteered that they are anticipating a 50% increase in Ferric usage due to the increased ortho-phosphorus. Mark Houle is anticipating a 30% increase which equates to about a \$50,000 budget increase. That amount will be reflected in the upcoming budget proposal for next year. The 30% increase is because we do some biological phosphorus removal in our tanks, . Mr. Alford continued to mention just some of the pages from the presentations were included in the Board meeting packet, but the whole presentations can be provided.

The other issue of note would be that the Wayne Disposal landfill in Van Buren Township has received a lot of press lately. Mr. Alford was recently given an affidavit to sign explaining SHVUA's role as we receive the leachate from that landfill. When Mr. Alford spoke to the State regulators, Wayne Disposal, Inc. tests for radioactivity annually and is very low relative to ground water standard and not surface water standards. Mr. Alford added that we do not perform radioactivity testing at this time. Mr. Alford added there is a known uranium vein stretching from Central Ohio up through Central Michigan. Uranium naturally breaks down to radon which gets

into people's basements as a gas so we could have naturally occurring radioactive material very much in the range we are getting from the landfill already.

Mr. Alford's take home message is that this should not negatively affect SHVUA since the State has not had any issues and Wayne Disposal runs a good IPP program. Regardless, the issue is still stirring in the western part of SHVUA. Mr. Houle added that they have never had any issues with Wayne Disposal and doesn't believe there is any wrong doing or risk to the staff by not sampling at the plant.

Mr. Alford notified the Board that he has applied to the DUWA System Manager position.

Attorney Comments:

Randy Pentiuk reported that he hopes that issues with Heaney's subcontractors work out and is cautiously optimistic. Last Friday Mr. Pentiuk and his team had a meeting with a newly appointed Commissioner that will be working with us on the claim for the sewer manholes in Woodhaven that the County destroyed. He is hoping the Commissioner will work with the County to get that paid for. Things are moving in the right direction as Insurance claims are processing and he and his team are monitoring the awarded grant money.

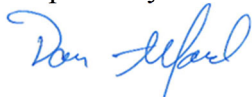
Other Business:

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 10:48 pm. All Communities are present besides Flat Rock. Motion carried unanimously.

Respectfully submitted,



Dan Alford, PE
System Manager