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34001 W. Jefferson Ave, Brownstown Township, Michigan 48173

Regular Meeting Minutes September 20 2023

The Board meeting was called to order by Chairman Tim Neighbors at 10:05am at the Wastewater Treatment Plant.

Roll Call:	Brownstown – Roxie Fairchild	S. Rockwood – Art Wenzel (Absent)
	Flat Rock – Eric Holtz	Gibraltar – Scott Denison
	Huron – Eric Scanland	Van Buren - Sean Bellingham
	Woodhaven – Tim Neighbors	

Also present:	Dan Alford, System Manager	Randy Pentiuk, Attorney
	Mark Houle, Jacobs	Nathan Callison, Jacobs
	Andy Mechel, Jacobs	Scott Mangold, Jacobs
	Bill Davis, HRC	Lauren Fath-Azam
	Michael Landis, Gibraltar	Alyssa Gunsorek, PCK
	Julie Aichler, CDM Smith	Philip Brink, CDM Smith

Agenda: As presented.

Minutes:

Motion by Gibraltar, second by Flat Rock, to approve the Meeting Minutes from the August 16, 2023 Monthly Board Meeting. All Communities are present besides S. Rockwood. Motion carried unanimously.

Expenditures:

Motion by Van Buren, second by Woodhaven, to approve the August 2023 expenditures of \$1,510,921.63. All Communities are present besides S. Rockwood. Motion carried unanimously.

Budget to Actual and Trial Balance as of September 30, 2023:

Motion by Flat Rock, second by Brownstown, to approve the Budget to Actual and Trial Balance as of September 30, 2023. All Communities are present besides S. Rockwood. Motion carried unanimously.

Jacobs Report:

Nathan Callison reported that August was an exciting month. NPDES Stormwater inspections were conducted on the 9th and 23rd with no issues noted. On the 25th the monthly spill and countermeasure inspections were conducted with no issues noted. On September 6th monthly flow data, precipitation data, Quala Wash flows were submitted to CDM Smith. On September 14th the eDMR and MOR were submitted to EGLE. Jacobs submitted a corrective action letter to MiEnviro for Biosolids reported violation on August 16th. On the 16th Jacobs also provided a review letter to Dan Alford for the Estates at Hawthorn Woods sanitary sewer project. On August 17th EGLE approved SHVUA's correction action level letter for biosolids reported violation. On the 30th Jacobs submitted the bypass report due to the August 24th storms. Compliance communication was received on August 9th which revealed a failure to report Biosolids PFAS results 2 weeks prior to land application. Samples were taken in January and the results were well below the detection for all of PFAS and Jacobs believed they could submit a report in October. A sample tracking tool was set up so Jacobs wouldn't run into this issue again.

7.5" of rain was received last month. 5.22" fell on August 24th alone. Rainfall began around midnight on the 24th and Jacobs preemptively called staff to the plant before wet weather pumping began. Biodeck 4 was put into service in addition to the EQ Basin. By noon the EQ Basin was filled. Total bypassed volume was estimated and reported around 82 million gallons. During this time three SHVUA system sanitary sewer overflows occurred. All Bypass and SSO reports were completed in a timely manner. The multiple tornados killed the power to the plant at 10:16pm and the backup generator was up and running at 12:45am. The following day DTE brought a full plant generator and full power was restored in the plant by 5pm.

The contractor began demolition of final clarifier #1 on August 7th, 2023. 12-hr coverage continues without any issues. The plant is scheduled to start hauling biosolids on the first week of October. This month there were record influent and precipitation flows shown on exhibit 1. Exhibit 2 shows ortho phosphorus readings as it pertains to ferric chloride usage. Exhibit 3 shows the summary of all the compliance data. Despite the partial bypass of secondary treatment all permit parameters were met. Jacobs sampled Ford Woodhaven Stamping and did not inspect any Industrial users. Mark Houle added that industrial water usage was high due to the power outage effecting the SFE water system. Mr. Callison continued to report that 122,000 gallons of LysteGro was produced. The fill date is mid to late February. The permit requires Jacobs to remove 85% of all solids and BOD coming into the plant. During high rain events the increase in influent flow affects the plant's ability to remove the same percentage. Randy Pentiuik inquired where the requirement comes in, in regards to the compliance communication issue. Mr. Houle added that the requirement was sent to himself through email and as a letter. Regardless of being non detect Mr. Houle takes responsibility for not putting the results in MyEnviro. Dan Alford added that ELGE usually doesn't do this for permit parameters but because PFAS is a moving target they like to know where the results are at. The requirement will most definitely be more formally outlined in the next permit. Mr. Houle doesn't believe this is something that will result in fines or legal action.

Andy Mechel reported that Jacobs is moving along with televising and inspecting but are currently at a standstill. The second wave of manhole cover replacement will begin as soon as the castings are received. Jacobs continues to wait for the VFD repair to come in for Trenton Arm. The new VFD that was ordered is now set to be delivered in April instead of the previously scheduled date of January. The pump station had generator issues from the storm but was repaired and back to working. Odette was not able to keep up with all the rain that came in. Mr. Mechel continued to report that cleaning and painting continues at the plant. Lystek had a few electrical issues and some of the issues may have been due to lightning from the recent storms. A lightning protection quote has been obtained to revamp that protection. Sludge transfer pump issues were worked on and installation of the new pump motor for P-104 was completed. Repairs were made on some VFDs. In regards to CMMS; all work orders and corrections are completed as they come in a timely manner. Jacobs continues to assist on the CIP to keep things moving as best as they can. The facility perimeter sign installation will resume soon. Primary Clarifier evaluations continue this month. Mr. Mechel is hoping that the elevator repairs begin this month. Lighting repairs have taken place. A new brake resistor has been received for P-104 to eliminate an overvoltage issue. At the plant the installation of the bio influent valve is almost completed on biotank #1, which will enable the biotank to operate at full capacity. In regards to Miss Dig, Mr. Callison noted that things are going fairly well. Training also continues with testing coming up. Mr. Alford requested a report after the first year in regards to Miss Dig.

Scott Mangold added that EGLE recently made changes to the Green Project Reserve requirements and it looks like the projects that SHVUA will be proposing may no longer be eligible. The intent to apply is only three pages so Jacobs plans to still apply with the hope of receiving funding. Mr. Mangold added that Jacobs plans to conduct their yearly Innovation Workshop in November or December. He will wait on the availability of the board. The PM Summit will also be taking place next week. Everyone from the Board is welcome to attend.

Tim Neighbors thanked Jacobs for all of their hard work this past month in regards to the weather conditions they addressed.

CDM Smith Billable Flow Report for August:

Motion by Gibraltar, second by Van Buren, to receive the CDM Smith Billable Flow Report for August. All Communities are present besides S. Rockwood. Motion carried unanimously. Mayor Denison from Gibraltar asked CDM Smith if any negative flows were recorded during the large rain event and about the accuracy of the estimations used. Julie Aichler from CDM Smith said no negative flows were recorded. Ms. Aichler also said she would take a second look at the Gibraltar flow data during the look back process for 2023.

HRC Report:

Priority 1 & 2 Plant Improvement Project Update

Bill Davis reported that construction continues to inch along and is around 77% complete. HRC continues to provide construction and administration services. Structural repairs have been completed on Final Clarifier 1 and contractors are working to install equipment. The HVAC system is working and substantial completion is completed at the Administration and Headworks building. The Haag Tank work has reached substantial completion and is now all tanks are

available to the plant. The LysteGro truck loading station is ready and operational for the first week of October. Cleaning has been completed for the west grit tank and the Contractor is now starting on demolition of the east grit tank. Demolition of the Grit Pumps and piping has been completed and the old Grit Pump pads have been discarded. The Headworks influent pump motor replacement P4 motor and VFD has been installed. The contractor has made tweaks due to vibrations and is hoping to verify its proper operation. P4 was put into use during the big rain event to pump as much as possible. In regards to the Disinfection System, cleaning was done on the chlorine contact chamber, structural repairs were made, and the new pressure relief valves were installed. Type 11 concrete repairs were completed. Minimal painting is left to be done. Crack and joint ceiling for pavement around the site has begun. HRC continues to work with Randy Pentiuk and Dan Alford on the pump cable failure at Odette and also reviewed claims from the contractor for the Odette Pump Station. Mr. Davis plans to speak with Mr. Pentiuk after the meeting about how to go about responding to the contractor's request for additional time and cost. Unexpectedly a sinkhole developed underneath the new pavement sludge loading area. Upon examination they found out that the pipe is very corroded and in poor shape. HRC will review and make a recommendation on lining that pipe. A company is coming out to verify the work tomorrow. Mr. Alford added that the hope is to still use the existing pipe as a form to allow for pipe lining.

In regards to Lystek, they are at the plant today to work on a few warranty items. Milestones achieved include issuing several substantial completions for various components. HRC continues to plan for the shutdown to install the new Grit System. The contractor's current schedule is slated for July 2024 and is on target to make that happen. HRC has received partial claims for the time delays in the clarifier work. The claims were not comprehensive and did not include general contractors time or cost. Mr. Davis believes that they should have a comprehensive claim in the next coming weeks. The last thing to note is that HRC is approaching the end of their construction budget and is projected to have enough money to last through mid-November. Mr. Davis will be preparing a budget request to get us through construction completion that is estimated to be June/July 2024.

System Manager Report:

Storm Event of August 24-25 / Available System Capacity

Dan Alford reported that the storm event was a huge event for any system and congratulated Jacobs for how they handled the storm event properly and worked together. While one pump was still under construction Jacobs made a great decision by working to put it in use to save countless basements from being flooded. In regards to the construction sinkhole Mr. Alford believes this was unrelated to the construction activities and bound to happen as the pipe underneath was in a very fragile state for a long time as visible from the pipe TV inspection video.

In regards to odor partially due to high flows odor really hasn't been an issue but is still something he and HRC are working on.

Mr. Alford added that he is looking to make a recommendation on the overall max flow that's available for any community within the System. He suggested using historical weekly, monthly, and yearly flow numbers to develop a procedure for future use. Any procedure will be brought before the Technical Committee for review and approval.

Attorney Comments:

Alyssa Gunsorek reported that they are still in touch with Senator Peters and Representative Dingell's Office's. Things are underway but nothing major to report.

Randy Pentiuk added that they are working with Mr. Alford and Jacobs on the Trenton Arm generator fire potential insurance claim. With respect to the Odette Pump Station issue, plan B was executed where they went beyond the contractor and the subs and went straight to their insurance companies to submit claims. He noted that they are currently in the claims adjustment period which can take some time.

Other Business:

Eric Holtz inquired if there has been any outreach to the State as far as being declared a disaster zone. Mr. Pentiuk noted that the Governor's Office and the County Executive made a declaration. Mr. Pentiuk believes this is something to follow up on to see what this means as far as assistance.

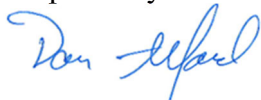
Michael Landis added that this declaration will be taken up to the State and if the State is unable to provide support it would be taken to the Federal level. Mr. Landis added that we should contact the State about this matter. Wayne county reached out to Mr. Alford in the morning of August 25th to offer assistance. He can follow up with them to see what the game plan is moving forward.

No other business was presented at this time.

Adjournment:

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

Respectfully submitted,



Dan Alford, PE
System Manager