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34001 W. Jefferson Ave, Brownstown Township, Michigan 48173

Regular Meeting Minutes March 20, 2024

The Board meeting was called to order by Chairman Tim Neighbors at 10:01 am at the SHVUA Wastewater Treatment Plant.

Roll Call: Brownstown –Roxie Fairchild S. Rockwood – Art Wenzel
 Flat Rock – Eric Holtz Gibraltar – Garrett Shumate
 Huron – Eric Scanland Van Buren - Sean Bellingham
 Woodhaven – Tim Neighbors

Also present: Dan Alford Randy Pentiuk, Attorney
 Mark Houle, Jacobs Bill Brickey, Plante Moran
 Andy Mechel, Jacobs Scott Mangold, Jacobs
 Bill Davis, HRC Stephanie Pelfrey, Huron

Agenda: As presented.

Minutes:
Motion by Van Buren, second by Woodhaven, to approve the Meeting Minutes from the February 21, 2024 Monthly Board Meeting. All Communities are present. Motion carried unanimously.

Expenditures:
Motion by Van Buren, second by Woodhaven, to approve the February 2024 expenditures of \$2,915,832.02. All Communities are present. Motion carried unanimously.

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

Motion by S. Rockwood, second by Flat Rock, to approve the Trial Balance and Budget to Actual as of March 31, 2024. All Communities are present. Motion carried unanimously.

Jacobs Report:

Mark Houle reported that all routine reports including the SARA Title III report were submitted. Compliance communication was related to our secondary bypass. Mr. Houle shared the letter with Dan Alford and a response was submitted on time. Due to low precipitation this past month the EQ Basin was not needed or utilized. The plant has been operating on 3 Biodecks recently and began draining the 3rd Biodeck. Mr. Houle presented Exhibits 1 and 2 which correlate with each other. The phosphorus spike shown is related to a plant shut down. The plant had 100% compliance with no issues noted. Industrial sampling was completed with current Industrial users. Mr. Houle added a column to show chemical and energy usage encompassing a 12-month running average. From the numbers on Exhibit 4 Mr. Houle explained that Polymer usage in the plant helps pull sludge together to get better thickening so spending on polymer saves the plant money in ferric chloride. Due to Jacobs work on balancing chemicals and energy usage the plant is at a stable position where it can be down for 15+ days. Mr. Houle added that we can see the usage for polymer for Lystek goes hand in hand with Potassium Hydroxide (KOH). These numbers will fluctuate and give information in regards to the previous 12 months. Energy usage will decrease once the plant can run 3 or 4 Final Clarifiers as Jacobs will not need to utilize 3 Biodecks. Dan Alford added that chemical and energy usage will always be influenced by the seasons and rain events. Garrett Shumate appreciates these numbers as they are helpful to analyze chemical and energy usage. Mr. Houle continued to report that in regards to Biosolids the plant has the operational capacity to make it to October without worrying about storage. Sludge production is doing well and is where it needs to be. The plant typically runs 7 days a week with around 12-hrs a day.

Tim Neighbors inquired if the smell is more potent today. Mr. Houle added that the smell is stronger today than usual.

Andy Mechel reported that in regards to the collection system they are on track for this year to get another section done. Mr. Mechel spoke to Mr. Alford recently about getting the hydro break checked this following month. The VFD was installed on pump #4 of the plant's pump station. Painting, cleaning and organizing continues. Jacobs has been chasing hypochlorite piping leaks and the piping may need to be replaced over time. Dan Alford inquired how old the pipes are in regards to the hypochlorite leaks. Mr. Mechel added that the system is from 2012 and he believes a piping replacement may be coming up. PM's and correctives are still moving along. Jacobs continues to work with HRC to move the CIP along. Upcoming items for this month include the continuation of work on the primary clarifiers and the elevator reconstruction is scheduled to begin the first week in April. Inliner Solutions, the selected contractor to reline the plant's failing recycle pipe, is being reviewed by Jacobs' safety department now and the hope is to get those questions answered this week. Hydraulic pumps are arriving from Detroit Pump. The 10 MGD rotating assembly is expected back for pump 6. A sodium bisulfite leak occurred recently and a contractor may need to come in for that repair. Tickets for MISS DIG activities this past month were the highest they have been. March's tickets have continued to be high as well due to water meter work and DTE running the gas line. Training and sustainability continues with Mark Houle teaching a class tomorrow.

Scott Mangold added that they are still in process of applying for a grant through EGLE. They are on target for the phase 2 deadline May 1st. In addition, Jacobs is going to try to get grants through the US Department of Energy for the solar portion of the proposed UV disinfection and solar panel installation project. Mr. Mangold and Mr. Houle added that they owe the Board an annual report and expect to have it in April.

CDM Smith Billable Flow Report for February:

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

HRC Report:

Priority 1 & 2 Plant Improvement Project Update

Bill Davis reported that HRC continues to provide construction observation and construction administration services throughout the month. Construction has nudged forward to 83% complete. The primary work is on the Grit System and on Clarifier #4. On Clarifier #4 demolition was completed and the effluent plug was reset. HRC completed inspection of the clarifier and identified the areas needing concrete repair. Those areas are in line with what was estimated during the design for that clarifier. The biodeck 4 gate was also set. At the Grit System they continue to work on full bypass and are working on the concrete repairs in the Grit Tanks and in the channels. Concrete pours in the tank were completed and honey comb issues were addressed. This week the finish coating on the inside of the Grit Tank was completed. Installation was finished on the 30" piping downstairs in the basement this past week. New pads for the Grit Pumps were poured and essentially finished installing most of the electrical conduit for the new panels for the new equipment. Mr. Davis continued to report that progress has been made in regards to structural repairs outside of the Grit Tanks and channels. Extensive deterioration was evident and reinforcing steel was needed to replace many bars due to corrosion.

Dan Alford asked what the total thickness of the grit tank walls were and how much of it was degraded? Mr. Davis noted that it varies but estimated that they lost anywhere from 2" to 3" of concrete on the wall thickness. It is normal for the age and the fact that it is exposed to a high hydrogen sulfide atmosphere. Mr. Davis added that it was a good decision to make repairs now. On top of the new concrete there is a coating which will prohibit the hydrogen sulfide reaction from happening in the future.

Mr. Davis continued to report that the Grit System start-up was originally scheduled for the end of this month but was moved until the end of April. Work on Clarifier #4 will continue. Heaney has indicated that their schedule has not been changed but Mr. Davis believes the schedule will be extended until late August or September. HRC continues to work on numerous change items with the possibility of one being presented at next month's board meeting.

Randy Pentiuk added that at the end of the project there will be many contractual issues that will need to be resolved.

System Manager Report

Community Projects Grant Award

Dan Alford presented to the board that nearly \$960,000 was received from the US Congress via Representative Dingell's office. Mr. Alford thanked Mr. Pentiuk's office, HRC and Tim Neighbors for their efforts. Mr. Alford added that they are waiting on further information from Dingell's office as to how SHVUA is allowed to spend the money received. Moving forward the team will have to analyze how to best spend the money. Mr. Alford noted that currently the intent is to finance any fund matching requirements with existing funds.

Mr. Alford continued to report that as of Feb 29th the plant's DTE power has been double ended. Mr. Alford added that he would continue to strive to maintain good communication with DTE in spite of recent DTE staff turnover.

Attorney Comments:

Randy Pentiuk added that through a high level of cooperation between PCK, Dan Alford and HRC rising to the occasion a new application for next year's Community Projects Grant from the US Congress was submitted through Senator Peters office. Mr. Pentiuk is optimistic and will help it through the process. He will coordinate with Representative Dingell of what will be submitted to the Senate. In regards to new developments in the Odette Pump Station insurance claim, the contractor's insurer has denied the claim while the general contractor and subs are also noting that it was not their fault. SHVUA will continue negotiations with Heaney to see if things can be resolved through conversation.

Tim Neighbors thanked everyone for all their efforts in regards to the Community Projects Grant.


Other Business

No other business is to be presented at this time.

Adjournment:

Motion by Gibraltar, second by S. Rockwood to adjourn the monthly SHVUA board meeting at 10:42pm. All Communities are present. Motion carried unanimously.

Respectfully submitted,

A handwritten signature in blue ink that reads "Dan Alford". The signature is written in a cursive style with a large initial "D".

Dan Alford, PE
System Manager