



**Regular Meeting
Minutes July 19, 2023**

The Board meeting was called to order by Chairman Tim Neighbors at 10:02am at Brownstown Township Hall.

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

Also present: Dan Alford Randy Pentiuk, Attorney
 Mark Houle, Jacobs Nathan Callison, Jacobs
 Scott Mangold, Jacobs Sean Bellingham, Van Buren
 Bill Davis, HRC Lauren Fath-Azam
 Alisha Watkins, Plante Moran Michael Landis, Gibraltar

Agenda: As presented.

Minutes:

Motion by Gibraltar, second by Huron, to approve the Meeting Minutes from the June 21, 2023 Monthly Board Meeting. All Communities are present besides Brownstown and Flat Rock. Motion carried unanimously.

Expenditures:

Motion by Gibraltar, second by Woodhaven, to approve the June 2023 expenditures of \$655,973.63. All Communities are present besides Brownstown and Flat Rock. Motion carried unanimously.

Budget to Actual and Trial Balance as of July 31, 2023:

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

Jacobs Report:

Nathan Callison reported that June was a busy month. On June 5th Jacobs completed routine stormwater inspections with no issues noted. On the 16th comprehensive stormwater inspections were completed with no issues noted. On the 29th and 30th monthly spill prevention control and countermeasure was completed with no issues noted. Plant flow data, precipitation data, and Quala Wash flow data was submitted to CDM Smith on July 12th. On July 13th the eDMR and MOR were submitted to MiWaters. 3.14-inches of precipitation was received in June. The EQ Basin was not utilized. The plant has been running well on 2 Biodecks with chemical and energy usage down, with great affluent quality. Clarifier #3 is now in service and has been functioning now for 6 days. 12-hr coverage has continued with additional staffing as needed. In June Biosolids were hauled. Lystek communicated that there will be another Fall haul to begin in September/early October. Currently the plant's full date is February 2024. Exhibit 1 shows the correlation between system precipitation and phosphorus. The first spike shown was due to a plant shut down. Exhibit 2 on page 45 shows the average orthophosphate and corresponding ferric chloride rate. Exhibit 3 shows a summary of compliance and corresponding NPDES limits for each parameter. There were no areas of concern or exceedances for the prior month. Ford Woodhaven Stamping and Huron Monofill were sampled and Brose, Quala Wash and Huron Monofill were inspected.

Dan Alford commended Jacobs for staying under the permit phosphorus limit of 1.0 in the case of the shutdowns as Jacobs number was recorded at 0.9. Mr. Callison again noted that both phosphorus spikes were due to the 2 plant shutdowns.

Mr. Callison continued to report that in regards to chemical and energy usage there was a large ferric usage due to the phosphorus spikes. Jacobs land applied almost 1 Million gallons of biosolids in June. They expect to have around 1.7 Million gallons in storage for the Fall haul. 264,000 gallons of LysteGro were produced.

Mr. Houle added that the LysteGro numbers are actual measurements taken from within the tank. In regards to the collection system the contractors are moving right along and expect to double up and stay within budget. The work was budgeted at twice the amount to avoid any financial issues. Pump #4 of the Pump Stations has a VFD that is out for repair and a replacement has been ordered. If a big rain event were to occur there are 3 pumps currently (the firm capacity) in service. Mr. Houle added that the team is aggressive to avoid incidents and will procure temp pumping if needed. Both Trenton Arm and Odette have been doing ok. The Centrifuge rotating assembly is expected to be on site at the end of September. Dewatering was budgeted but Mr. Houle is trying to avoid using those funds. There will be significant chemical cost savings although Mr. Houle will utilize the maintenance budget. Mr. Alford added that Jacobs is expected to utilize about 50% of the chemical budget.

Next month Jacobs will continue to work on the Primary Clarifiers, tunnel ventilation repairs, getting the switch gear back to normal and a Sump Pump needs to go into the elevator.

In June there were seven markings for Miss Dig. Mr. Houle is glad to have visited Trenton Arm to help assist in identifying the location. Jacobs continues to monitor river samples which benefits all Huron River Watershed Communities. Jacobs would like to host and invite everyone to a picnic at the plant as they have in the years prior on September 20th after the monthly board meeting. The following week Jacobs will hold their North Region Project Management Summit in Metro Detroit.

Mr. Alford pointed out that the on-peak power usage is only a quarter of the total usage which shows that Jacobs is on the right track. The peak time is from 11am to 7pm. Mr. Houle added that it would be interesting to see what power savings they could get to by raising the wet well around 11 to decrease the work the pumps have to do.

CDM Smith Billable Flow Report:

Motion by Gibraltar, second by Huron, to receive the CDM Smith Billable Flow Report for June. All Communities are present besides Brownstown and Flat Rock. Motion carried unanimously.

HRC Report:

Priority 1 & 2 Plant Improvement Project Update

Bill Davis updated the board that it has been a productive month and they took a big jump forward getting Final Clarifier #3 back online and up and running. Currently in 6th day of demonstration of the clarifier and still have a few issues that they need the contractor to address. Overall the performance of the clarifier is good. Mr. Houle added that the items that need to be addressed with the clarifier will not impede permit limits or their ability to run the clarifier. The next clarifier that will be taken out will be Final Clarifier #1. The overall construction is at 73% completion. Mr. Davis is happy to report that in regards to the HVAC system the chiller is working and training will be conducted on the 26th. The Grit System contractor continued to work on the demolition of the East Grit Tank and was completed at the end of last week. The contractor will prepare to move onto the West Grit Tank. Pump motor VFD #4 has been completed and is waiting to be put into operation. The SFE replacement is substantially complete and the plant is now running SFE. The contractor continues to do structural repairs inside the gallery and outdoors, and continues with architectural repairs. Pavement replacements continue to be worked on.

In regards to the Odette Pump Station; HRC continues to work with Mr. Alford and Randy Pentiuik on the claim from the cable failure at Odette. In addition HRC is working on reviewing the contractors claim at Odette for additional time and cost. HRC has reviewed the claim but hasn't responded. HRC is tackling various warranty items with Lystek and hopes to address

those issues including the odor issues that have arisen in the upcoming weeks. Mr. Houle added that Jacobs had the fans shut off as they seemed to have made things worse when the winds switched. The model showed that the wind direction is very variable at the plant due to on and off shore breezes from the water. HRC had anticipated receiving a certain level of odor from the process but appears to be seeing something much greater than expected. HRC is looking to modify something in the process to get the odors minimized or if necessary to fully study and understand the odor causes before creating a system to combat the odor.

The overall schedule of the project is an August 4th substantial completion date for all work except the clarifiers. As Mr. Davis previously reported the Contractor will not be able to make that date. HRC has been verbally told they will be making time extension requests but HRC has not received any written requests as of yet. November 16th is the substantial completion date for the clarifiers. The Contractor has verbally indicated that they anticipate the clarifiers being done in May of 2024.

He believes the next few weeks will shed light on what's to come. Mr. Davis is currently working on various change orders which will be brought to the board next month.

Mr. Callison added that Jacobs has made concentrated efforts to mitigate the odor issues until these issues have been resolved.

System Manager Report:

Plant Odor Issues / Jacobs Open House and Location for September Board Mtg

Dan Alford reported that the odor control system was designed was constructed based on Lystek's parameters. Mr. Alford has touched base with various residents who have made complaints on the "new odor" and notified them that they are looking into resolving the issue.

In regards to the Open House September 20th Mr. Alford will send out a corresponding RSVP email if the board approves the location change.

Jacobs will be hosting a Project Management Summit the following week. During that time Jacobs employees will be committing their time to clean up parks in the area. If anyone has any park/community areas they can think of please share it with the Jacobs team.

Attorney Comments:

Randy Pentiuk thanked Sean Bellingham for protecting SHVUA's interests by maintaining the financial requirements of the bonded CIP funds. Mr. Pentiuk went on to report in regards to Constellation Energy. Mr. Bellingham is working to eliminate any taxes SHVUA may be paying to DTE and Constellation. Mr. Pentiuk and Senator Peters' office are still working on trying to

coordinate a meeting. Mr. Pentiuk added that he may need the Chair's involvement to speed things up with Dingell's office. On the MML insurance front things are moving slowly but are still on track.

Other Business

Michael Landis had been approached by EGLE and Arcadis to permit the construction of a PFAS pre-treatment plant in the city of Gibraltar. Arcadis will be submitting plans and propose to connect a bathroom to the SHVUA Interceptor off of Vreeland Rd. Mr. Landis will continue to update the Board as things continue. Mr. Houle added that Jacob's may need to be included as the project progresses. Mr. Alford and Mr. Houle added that SHVUA previously tested PFAS at low levels in the plant effluent and non-detectable in the biosolids.

Motion by Woodhaven, second by Van Buren to move into a closed session. All Communities are present besides Brownstown and Flat Rock. Motion carried unanimously.

Roll call taken for entering Closed Session:

S Rockwood - yes; Van Buren - yes; Woodhaven - yes; Gibraltar - yes; Huron – yes;
Brownstown – absent; Flat Rock - absent

Motion by Van Buren, supported by Gibraltar, to leave the closed session. All Communities are present besides Brownstown and Flat Rock. Motion carried unanimously.

Roll call taken for leaving Closed Session:

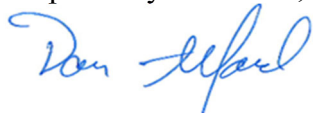
S Rockwood - yes; Van Buren - yes; Woodhaven - yes; Gibraltar - yes; Huron – yes;
Brownstown – absent; Flat Rock - absent

Motion by Gibraltar, supported by Woodhaven, to resolve the Odette Pump Station residential claim, and to authorize payment as set forth in the closed session meeting minutes today, and report back to the Board at the next meeting. All Communities are present besides Brownstown and Flat Rock. Motion carried unanimously.

Adjournment:

Motion by South Rockwood, second by Woodhaven to adjourn the monthly SHVUA board meeting. All Communities are present besides Brownstown and Flat Rock. Motion carried unanimously.

Respectfully submitted,



Dan Alford, PE
System Manager