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34001 W. Jefferson Ave, Brownstown Township, Michigan 48173

## **Regular Meeting Minutes August 21, 2024**

The Board meeting was called to order by Chairman Tim Neighbors at 10:00am at the Brownstown Township Hall.

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

**Also present:** Dan Alford    Randy Pentiuk, Attorney  
                         Mark Houle, Jacobs    Nick Lenzi, Jacobs  
                         Bill Davis, HRC    Sean Bellingham, Van Buren  
                         Bill Miner, Van Buren    Bill Brickey, Plante Moran  
                         Ed Smith, Brownstown

**Agenda:**              As presented.

**Minutes:**  
Motion by Flat Rock, second by Huron, to approve the Meeting Minutes from the July 17, 2024 Monthly Board Meeting. All Communities are present. Motion carried unanimously.

**Expenditures:**  
Motion by S. Rockwood, second by Van Buren, to approve the July 2024 expenditures of \$1,158,571.21. All Communities are present. Motion carried unanimously.

**Trial Balance and Budget to Actual as of August 31, 2024**  
Motion by Woodhaven, second by Huron, to approve the Trial Balance and Budget to Actual as of August 31, 2024. All Communities are present. Motion carried unanimously.

**Jacobs Report:**

Mark Houle reported that July was a good month. Jacobs is trying to coordinate getting the Chlorine Contact Chamber back in service after being down and cleaned. The Grit System is up and running and the grit produced has been being moved to the landfill. Systematic cleaning of the primary tanks has continued. All regulatory items have been completed with no issues or violations. Over 3-inches of rain was received in July. The secondary treatment system was maxed out July 9th and 10th due to high flows, and caused a one-day phosphorus spike. Regardless of the phosphorus spike the monthly average was at the proposed total phosphorus limit of 0.5 ppm scheduled to start in April 2028. Jacobs is confident that they will be able to meet that new limit. The EQ Basin was utilized because of a shutdown. Peak flows are shown on July 9th and 10th along with phosphorus on Exhibit 1. Mr. Houle added that ferric usage follows phosphorus.

In an attempt to record odor complaints, Mr. Houle created a chart to track complaints. Mr. Houle added that the System Manager will review it for accuracy. The chemical and energy usage is right in line with the budgeted amount for 2024. Dan Alford asked Mr. Houle to speak about the increased usage of sodium bisulfite and bleach. Mr. Houle explained that since the Chlorine Contact Chamber is down for cleaning Jacobs has had to use almost twice as much sodium hypochlorite (bleach) and sodium bisulfite to get the same disinfection and dechlorination results. The usage is being tracked for any potential construction related reimbursement.

Cells 1 and 2 of the Hag Tank are empty. HRC has finished their inspections and identified six supports needed for cell 2, and 7 for cell 3. Mark Mechel is working on getting the necessary support poles needed for the temporary shoring recommended by HRC. Sludge hauling and land application was conducted in May and there is enough storage until mid-January. Jacobs anticipates additional land application this fall will take place which will push that storage full date even farther out. Lystek production has been normal. The Contractors have been working through the collections system and are almost done. Manhole covers are being systematically replaced. A lump of cement was found at one manhole which will need to be addressed. Primary Clarifier #1 will be put in service as soon as the contractors move to the next section of the influent channel which was postponed until tomorrow. Primary Clarifier #2 is getting ready for inspection and then will continue with #3 then #4. Over the next few months, the clarifiers will be at peak operational performance. Mr. Houle provided Mr. Alford an updated maintenance projects budget for tracking purposes as the budget took a big hit due to the lining project with several other expected projects upcoming.

Jacobs has increased their housekeeping efforts and will be putting it into the maintenance system. Jacobs is still waiting on the elevator company to complete repairs. For the upcoming sludge hauling Jacobs will rent a pump from Biotech to pump from cell 3 into cell 4. The contractor will then haul out of cell 4 with the newly rebuilt and installed pump.

Major equipment status has not changed dramatically. The MISS DIG tickets vary but Jacobs has not ran into any issues with getting the scope of work completed. Training continues as does testing samples for the Huron River Watershed.

Mr. Houle provided a reminder that next month's Board meeting will be at the plant with lunch following.

Nick Lenzi reported that AI is being implemented for collection system monitoring. Mr. Lenzi added that he's never seen grit like the plant is producing which is exciting.

Dan Alford inquired about the fiber/rags in the plant. Mr. Houle added that they are getting through the fine screens but may be some old items turning up as well. All pump screens in the plant are being replaced over time.

### **CDM Smith Billable Flow Report for July**

Motion by Gibraltar, second by Brownstown, to receive the CDM Smith Billable Flow Report for July. All Communities are present. Motion carried unanimously.

### **HRC Report**

#### **Priority 1 & 2 Plant Improvement Project Update**

Bill Davis reported that the progress to date is 91% of the contract work. The Contractor did not give us an approvable July pay application in time so the Contractor did not have a pay app for the ledger for this Board meeting. Mr. Davis added that the main point of contact for Heaney, Bob Fields, passed away this past Thursday. In addition the site Superintendent Jeff Shepler quit in early August. Mr. Davis spoke with the President at Heaney and her son Andrew will be taking over Bob Fields' position. Reed Keiser will be taking over as the site Superintendent, yet is in the hospital currently. It has been difficult at this time but Heaney will be dedicating the right resources to see the job through.

Construction during July continued on Final Clarifier #2. The demolition was done and an inspection was completed. The subcontractor is starting to install components of the new Clarifier system now. Bio gate 2 was installed and commissioned and is still looking to be grouted. The Grit System continues to operate well. Structural repairs continue in the North Primary influent channel and work continues on the portion by Primary Clarifier #1. Testing for coating will take place today and tomorrow work will begin on the portion by Primary Clarifier #2. HRC will go in and inspect repairs needed. Underway are repairs to the RAS building concrete wall above Biotank #2 and the plan is to be able to put that into service in the next couple of weeks. This past Thursday HRC went back into Haag tank cells 1 & 2 after some additional cleaning was done. Unfortunately an additional 7 areas will need to be shored until repairs are completed. The tank continues to see deterioration. Once the temporary shoring gets put into place we should be stabilized for 1-1.5 years until repairs are completed. Mr. Alford added that the additional 7 are due to needing additional cleaning and not being able to see portions of the upper columns during the first inspection. Mr. Davis suggests completing all the column repairs now as they will certainly see deterioration in the future. Heaney has secured the

materials to complete the work on the Chlorine Contact Chamber and is currently trying to align a subcontractor to complete the work. Mr. Alford added that Jacobs has been arranging a list of costs that are compiling for SHVUA due to the delayed schedule. Mr. Davis continued to report the components are being installed for Final Clarifier #2. Heaney did not have an updated schedule at the last progress meeting but it was previously scheduled for Aug 7th. This is very unlikely to occur. Mr. Davis believes that mid-September is a good guess as to when the Final Clarifier would be ready to go.

HRC continues to work on change orders and have not yet received a comprehensive time extension request/claim but is expected to see one. Mr. Davis added that it will be interesting to see how Heaney's personnel change will change the overall progress.

### **System Manager Report**

#### **Draft NPDES Permit**

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

#### **Technical Committee**

The IPP review was discussed at large at last month's Technical Committee meeting. The ultimate capacity for each Community was also discussed. As a result a few action items were decided upon. Mr. Alford will do a regional search to find out what others are doing on the matter and will have individual breakdowns for each Community to consider.

#### **Plant Inspections**

Mr. Alford continues to regularly visit the plant for an independent review of Operations and Maintenance activities. Afterwards, he always stores labeled photos for future data points or to share his current concerns as action items with Jacobs.

### **Attorney Comments**

Randy Pentiuk reported that routine matters are being handled without any challenges. Mr. Pentiuk added that the loss of Bob Fields for Heaney will be a huge change in dynamics and is in touch with Mr. Alford and Mr. Davis to keep things moving in the right direction.

Mr. Alford added that they have requested a sit-down meeting with the new management team and will include Mr. Pentiuk on that date.

### **Other Business**

No other business is to be presented at this time.

**Adjournment:**

Motion by S. Rockwood, second by Flat Rock to adjourn the monthly SHVUA board meeting at 10:46pm. All Communities are present. Motion carried unanimously.

Respectfully submitted,



Dan Alford, PE  
System Manager