



**Regular Meeting  
Minutes January 18, 2022**

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

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

Also present: Dan Alford      Randy Pentiuk, Attorney  
                  Mark Houle, Jacobs      Andy Mechel, Jacobs  
                  Nathan Callison, Jacobs      Bill Davis, HRC  
                  Michal Landis, Gibraltar

**Agenda:**      As presented.

**Minutes:**

Motion by Gibraltar, second by Flat Rock, to approve the Meeting Minutes from the December 21, 2022 Monthly Board Meeting. All Communities are present. Motion carried unanimously.

**Expenditures:**

Motion by Gibraltar, second by Woodhaven, to approve the December 2022 expenditures of **\$1,425,844.14**. All Communities are present. Motion carried unanimously.

**Jacobs Report:**

Before Mark Houle presented his report he noted that he made an error in the Lystek table for the rebate column which he will fix and resend out.

Mr. Houle reported in December severe weather came in and Jacobs had to mobilize heating for the Pump house. Jacobs kept the building heated enough to avoid any issues. The clarifiers froze and stopped operating. This issue has occurred before and issues arise when the clarifiers unfreeze. As a result the PH was 6.1 instead of a limit of 6.5. Mr. Houle and fellow Operators worked around the clock from before Christmas to after the New Years holiday. After recovering Jacobs utilized the EQ Basin for a short period of time after receiving heavy flows. A third biodeck was brought on and even though energy usage increased the cost of ferric chloride decreased. Jacobs plans to stay on 3 biodecks until the plant is ready to switch back.

Nathan Callison clarified that the Operators staffed the plant from December 23rd to until January 4th 24hrs/day. Stormwater inspections were completed December 15th and comprehensive Stormwater inspections were completed on the 29th. Annual Stormwater training was conducted on the 21st. On the 31st visual assessments for rainfall were conducted with no issues noted. On the 29th Jacobs conducted their USEPA required monthly spill prevention and submitted their PFAS status report. On January 4th effluent PFAS monitoring results for quarter 3 were submitted. Flow, precipitation and Quala Wash data were submitted to CDM Smith on the 9th. SWPPP annual review was conducted and submitted on the 9th as well as the NPDES certification. The eDMR and MOR Data was submitted on the 12th. Received 2" of precipitation for the month of December. The EQ Basin was utilized on December 31st and January 1st.

Mr. Houle added that Jacobs prides itself on being able to manually operate the plant. Dan Alford commended the team for being able to operate the plant without SCADA.

Mr Callison continued to report that the plant has been utilizing 3 Biodecks since the 31st after receiving 1.08". The F to M ratio was perfect after switching to 3 Biodecks. Primary Clarifier #3 is still being worked on. All submerged effluent launders are in place with caulking to begin once the weather is appropriate. 12hr coverage has continued without any issues. Last load of sludge was sent to landfill on 10/28. Jacobs hopes all future sludge be converted to LysteGro and sent to Farmers with an approximate savings of \$1,900/day. Lab water system was installed yesterday and looks great and is ready to go. The chemical and energy usage is higher due to ferric chloride usage. Ferric chloride was turned off on the 1st/2nd of the month. The Lystek system is working well and filling up cell 2 now. Cell 3 will be utilized soon.

Andy Mechel reported that Jacobs is planning on setting up meetings with the Contractor to plan out the upcoming years inspections and cleanings on the interceptors. The Odette fence is now up. Primary clarifier #1 ran into an electrical issue. The switch over battery was completed by UIS and temporary heaters were installed for headworks. Cross connection for water in the chemical building is completed. CMMS work orders and PM's are getting completed on time. Jacobs continues with cleaning and organizing. The Pump Stations continue to run well. Jacobs is finishing up with Primary Clarifier #1. Major SCADA cables in the Administration building have been ran and Jacobs is getting ready for the network changeover.

Upcoming items include primary clarifier evaluations and repairs, installation of the new sump pump and discharge for the elevator shaft. Mr. Mechel added that in regards to the elevator they are waiting on suppliers.

Sean Bellingham inquired what the repairs were for the freezing of EQ Basin freezing. Mr. Mechel noted that there are minor repairs and shouldn't involve any insurance claims.

Mr. Alford inquired about what the root cause was of the EQ valve freezing. Mr. Mechel added that the valve was older and one heater was not working. It will hold up better now after being replaced with a new stainless steel valve.

Randy Pentiuk inquired if the MISS DIG program was up and running. Mr. Houle noted that things are moving along and they are actively completing the startup paperwork.

Mr. Pentiuk continued to inquire about the cyber security expert. Mr. Houle added that there are some recommended upgrades and it is something that Jacobs is working on.

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

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

### **HRC Report**

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

Bill Davis updated the board on the progress of the Plants Improvement Project. During December there was progress on Clarifier #3. As of December 31st the project is estimated to be 63% complete. Standard construction administration services were conducted. Mr. Davis, Firooz Fath-Azam and Mr. Alford met with the contractor to discuss change orders #4 & 5. The contractor agreed to move forward with the changes after further discussion and has backed off on the 11% pay-as-you go increase they most recently proposed to all change orders. All SEL components were installed on clarifier #3 and 50% of the SEL sealing remains to be done. Received word to conduct a dry start with training to start the following week. The hope is to turn over clarifier #3 at the end of the month.

The HVAC renovations are not yet complete as they impacted the heating in the Headworks building thus why Jacobs had to come in and provide temporary heat during the extreme cold weather. Mr. Davis commends Jacobs on their responsiveness and ability to handle the situation.

Work continues on the HAAG tanks and are currently working on and installing odor control duct work and the odor control fan building. The truck loading platform was installed. Today the decant valves will be worked on for cell #3. Repair work will move forward to joints in cell #4. HRC's plan is to turn over cell #4 then by the end of February. Work continued on the grit washers, electrical work and also installing drain lines for the grid washers. The fence was

installed at Odette. Work began on SH-6 located at Van Horn Rd. Unfortunately the gas main was mismarked and DTE is working on moving it and having it completed as soon as possible. Lystek was out and made modifications and corrections to outstanding issues with vibrations and will be onsite tomorrow to observe the improvements made.

Mr. Davis continued to report upcoming milestones which include: Lystek final completion by the end of February and the Head Works HVAC system is underway. The hope is to complete the HVAC system asap to demobilize temporary heaters. HRC plans to commission Clarifier #3 the week of January 30th. SFE replacement is on hold. The delivery of VFD's are set to ship out on January 24th. The grit pumps have been delayed until the end of February and the pumps should have been delivered the last February of 2022. Mr. Davis added that he is working on another change order for work performed by Heaney and he would present that next month.

### **System Manager Report**

Dan Alford reported that this month has been a quiet month. The big issue was working with the contractor on the previous month's change orders. The contractor also submitted a potential claim without the 11% which is a good sign.

### **Plant Property Line Survey**

Mr. Alford noted that the property line is different from the fence line. There is more area outside the fence line that SHVUA owns. He added that there are not many encroachments on the property line. Once a property line survey is completed the property will be staked as private property.

### **Jacobs Amendment No. 6**

Motion by Gibraltar, second by Woodhaven to approve Amendment No. 6 to the Agreement for Operations, Maintenance and Management Services between Jacobs and SHVUA, which shall take effect on January 1, 2023, subject to the confirmation of the calculations and compliance with the appropriate provisions of the Contract by the System Manager, System Attorney and System Accountant. All Communities are present. Motion carried unanimously.

### **Attorney Comments**

Randy Pentiuk added that his office has been busy. His office is looking into if SHVUA is able to review an alternative natural gas energy supplier at this time.

Mr. Pentiuk continued to report that they are still waiting on hearing from Congress Dingell's office. Mr. Pentiuk also noted that he heard DWUA was having trouble with their new biosolids dryer system, so he's glad we went with the Lystek system.

**Other Business**

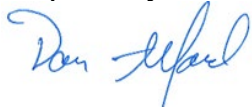
No other business is to be presented at this time.

**Adjournment:**

There being no further business to come before the Authority, the meeting was adjourned at 10:45 a.m.

Motion by Gibraltar, second by Woodhaven to adjourn. 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