



**Regular Meeting
Minutes May 17, 2022**

The Board meeting was called to order by Chairman Tim Neighbors at 10:15am at Brownstown City Hall.

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

Also present: Dan Alford Randy Pentiuk, Attorney
 Andy Mechel, Jacobs Sean Bellingham, Van Buren
 Nathan Callison, Jacobs Bill Davis, HRC
 Lauren Fath-Azam James Taylor, Van Buren

Agenda: As presented.

Minutes:
Motion by Gibraltar, second by Woodhaven, to approve the Meeting Minutes from the April 19, 2023 Monthly Board Meeting. All Communities are present besides S. Rockwood. Motion carried unanimously.

Expenditures:
Motion by Gibraltar, second by Woodhaven, to approve the April 2023 expenditures of **\$848,916.16**. All Communities are present besides S. Rockwood. Motion carried unanimously.

Budget to Actual and Trial Balance as of May 31, 2023

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

Jacobs Report:

Nathan Callison reported that April was a very busy month. Things around the plant are going well with a lot of movement in regards to the CIP. All permit pollution discharge limits were met this month. Stormwater inspections and all required paperwork were submitted on the 7th and the 21st of April. Monthly spill prevention control and countermeasures were completed on the 28th. Flow and precipitation data was submitted to CDM Smith on the 3rd. DMR and MOR data were submitted on the 11th. Received over 3" of rain in the month of April. The EQ Basin was utilized on the 1st and 2nd of April. 1.85 million gallons were diverted. On the 5th of May the plant went down to 2 Biodecks. Jacobs is on pace this year for record low chemical usage. 12-hr coverage continues without any issues. Land application of LysteGro began on Friday, May 11th. In addition to all the CIP projects going on a sludge haul is taking place. Page 62 shows the monthly chart correlating flows, precipitation and phosphorus. Overall plant flows have decreased throughout May. On page 63 you can see a correlation between ortho phosphorus usage and ferric usage. Wayne Disposal, Quala and FONS Landfill were the industrial users that were sampled. Exhibit 4 shows chemical and energy usage. Mr. Callison noted that the Plant's energy usage has been higher but should decrease soon. In regards to Biosolids, the Plant has created 1.9 million gallons of LysteGro and is currently going to the field for land application. 297,000 gallons of LysteGro were created in April. In regards to Biosolids inventory the plant is doing very well.

Tim Neighbors inquires as to why the chemical usage has been down. Mr. Callison added that Jacob's staff has been more proactive by using the following tools: F/M ratio, balancing returning sludge vs. wasting sludge, balancing BOD vs. the food needed by the "bugs," and maximizing biological phosphorus removal.

Dan Alford added that he looks at the final effluent when analyzing how well Jacobs is managing monthly solids. He added that suspended solids were in single digits this past month. Anything in single digits is very good water quality.

Andy Mechel reported that interceptor inspection work will begin next week. The order was put in to have the VFD repaired for Trenton Arm. A spare VFD was also ordered. In regards to Odette; pump #1 was reinstalled and is now working well. Pump #2 was replaced with a spare and Odette is now running as it should. A spare pump will need to be ordered as the prior one was utilized. Cleaning and painting of piping and pumps continue. A new motor was installed due to a recommendation from Philadelphia Mixer, yet there are still issues on the M30 mixer. The switchgear breakers have returned and a date for switchovers will need to be chosen. The north bar screen ultimately had been damaged more than Jacobs initially thought. Mr. Mechel will be reviewing quotes. Some emergency repairs were completed to some of the road lighting inside the plant. CMMS work orders and PM's have been completed. Cleaning and organizing continues. Jacobs also continues to work with HRC and Heaney in relation to the construction project. As far as heating goes that will need to be readdressed in the fall/winter as temperatures

have risen. Jacobs continues to mark the perimeter with signage. In regards to Miss Dig activities things are going well. Training continues with wastewater certification testing conducted on May 4th.

CDM Smith Billable Flow Report for April

Motion by Gibraltar, second by Woodhaven, to receive the CDM Smith Billable Flow Report for April. All Communities are present besides S. Rockwood. Motion carried unanimously.

HRC Report

Priority 1 & 2 Plant Improvement Project Update

Bill Davis updated the board that the overall construction is at 71% completion. HRC continues to provide administration and construction services and duties. No progress has been made on Clarifier #3. A new sensor will need to be installed in regards to the HVAC renovation which is part of change order no. 8. The Haag Tanks ventilation system and the building fan were commissioned and started up. The joint waterproofing in cell #4 began this week and should be completed this week. In regards to the Grit system the contractor continued cleaning and started demolition of the East Grit tank. All pieces have been received for the Grit System. Currently the motor for pump #4 is being replaced and a new VFD is being installed. HRC continues to wait on the VFD for pump #1 to arrive. The SFE replacement was completed and up and running. Training was completed last week. Structural repairs continue within the gallery. The bulk of the architectural repairs include pipe and valve painting. HRC continues to provide support on the Odette issue and has scheduled a meeting with the Contractor next week in regards to the claim. HRC continues to work with Lystek on a few warranty items. Mr. Davis believes June will be a productive month. Upcoming work includes clarifier #3, equipment assembled for clarifier no. 1, 2 and 4. Mr. Davis noted that they are on the critical path and are pushing out the construction date.

Change Order No. 8

HRC presents the Board with Change Order 8, which summarizes various changes associated with the Priority 1 and 2 Improvement Project contract with Heaney General Contracting Inc., as outlined in the attached documentation. HRC and the System Manager recommend the Board authorize these items, which total \$136,710.21.

Motion by Van Buren, second by Gibraltar, to approve an increase to Heaney General Contracting, Inc.'s total construction contract amount by \$136,710.21 from the current contract amount of \$20,527,221.11 to the new amount of \$20,663,931.32 and the Chairman to execute it on behalf of the Authority. All Communities are present besides S. Rockwood. Motion carried unanimously.

Allowance Authorizations 2 and 3

Mr. Davis continued to report on the allowance authorizations 2 and 3 to the board. These items do not change the overall price to the Authority and just provide documentation to the work that was done under this authorization.

System Manager Report

DTE Power: Current Status / Communications / Engineering Study / Temporary Protocol / Solar Project

Dan Alford presented his discussions that he has had with DTE Power. Mr. Alford noted that there is no current agreement with DTE. What became clear since the February ice storms is that DTE had low awareness of SHVUA's wastewater plant needs as high priority. During the ice storms the plant lost power for long periods of time which ultimately forced the plant to operate on our backup generators. Mr. Alford is concerned about DTE's lack of awareness for the wastewater plant's needs. At Mr. Alford's urging, DTE conducted an engineering study to verify that both plant power feeds are still capable of delivering the maximum power demand at this time. Both feeds are sized appropriately per DTE. Mr. Alford has been striving to improve communications between DTE and SHVUA largely due to recent staff changes at DTE. Mr. Alford has had multiple meetings informing the new DTE Account Manager and new DTE primary power representative of our high priority needs demanding 24/7 availability of our two redundant feeds or full generator power. DTE organized an 8-hr restoration plan with a full generator in times of need. Mr. Alford will continue to work with DTE on this matter.

In regards to solar energy Mr. Alford reminded the Authority that we have a sizable amount of land on the property. When Mr. Alford approached DTE's Renewable Energy program about the possibility of having solar panels installed on SHVUA property, DTE replied that their interest is only for 800 acre sized parcels or above. Mr. Alford will continue to pursue potential renewable energy sources if it is beneficial to the Authority.

Mr. Alford continued to report that they have received the agreement back from Constellation natural gas. They are proposing a 17-month agreement for a fixed rate. Mr. Alford noted that it is about a \$20,000 range of savings over the next 17 months.

Motion by Gibraltar, second by Woodhaven, to accept the agreement with Constellation. All Communities are present besides S. Rockwood. Motion carried unanimously.

Attorney Comments

Randy Pentiuk reported that he and his team are working with Senator Peter's office who is helping plan for future grant funding opportunities. In addition Dingell's office is working with Mr. Pentiuk on the additional funds the Authority is asking for. This will be presented as a package. Mr. Pentiuk is cautiously optimistic. In regards to the meeting conducted as it relates to

cyber security Mr. Pentiuk feels comfortable that Jacobs and the outside consultants are doing everything they can to protect the system from vulnerability.

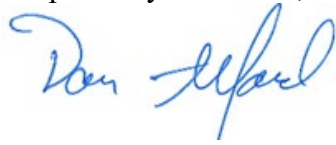
Other Business

No other business is to be presented at this time.

Adjournment:

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