



**Regular Meeting
Minutes March 15, 2023**

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

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

Also present: Dan Alford Randy Pentiuk, Attorney
 Mark Houle, Jacobs Andy Mechel, Jacobs
 Nathan Callison, Jacobs Bill Davis, HRC
 Michael Landis, Gibraltar Stacey Reeves, Plante Moran

Agenda: As presented.

Minutes:
Motion by Gibraltar, second by Brownstown, to approve the Meeting Minutes from the February 15, 2023 Monthly Board Meeting. All Communities are present besides S. Rockwood. Motion carried unanimously.

Expenditures:
Motion by Van Buren, second by Woodhaven, to approve the February 2023 expenditures of **\$2,274,985.54**. All Communities are present besides S. Rockwood. Motion carried unanimously.

Jacobs Report:

Mark Houle reported that in February the staff worked overtime to address the big freeze event that left the plant without power on February 22nd. Jacobs worked closely with DTE to get the plant up and running. Discharge was sampled manually the day the plant was down. Doug Early noted that he doesn't intend to issue any violations notices in regards to these weather events. The property survey is lined up and Mr. Houle provided the title search to CE Raines. Mr. Houle added that in the report he handed out; he mistakenly listed January instead of February. MML came out on Monday and Mr. Houle showed them the area that was damaged and the loss of the sampler, fence damage and bar screen room. MML is very confident in the insurance claim but the main question is why did that breaker fail. Mr. Houle added that this has happened prior with a breaker and they knew exactly how to handle it. Jacobs does not believe anything got on the ground. Phosphorus increased to 5 but by being proactive in the month leading up to the event the plant's average was below the monthly limit. There were also no NPDES violations even though Jacobs discharged with no aeration or returned sludge for 30 hours. Mr. Houle added that in regards to MISS DIG they are checking tickets. Scott Mangold is fully trained with Andy Mechel and the rest of the staff to follow.

Nathan Callison reported that all NPDES limits were met despite all the excitement. On the 23rd routine Storm Water Inspections were completed with no issues noted. On February 27th monthly spill prevention and countermeasure inspections were submitted. No issues noted. On March 6th plant flow data, precipitation data and Quala wash flows were submitted to CDM Smith. On the 9th DMR and MOR data were submitted to MiEnviro. 4-inches of rain was received in the month of February. Power outage on the 22nd. Through all the events, 4 similar power outage blips happened afterwards. Andy Mechel and Mr. Callison stayed at the plant 4 nights. The plant lost power around 6pm on Wednesday evening the 22nd. Jacobs got to work right away with chemicals and switched over to the new generator and without power. The plant operated over 30 hours without power. Treatment began again once power was on. Clarifiers were filled up immediately afterwards and started bypassing for 5 hrs. Treating began afterwards. The following Monday on the 27th 1.81" of rain was received. 4 pumps were running and the plant experienced another power loss to the main pump house. Mr. Mechel was able to reestablish power within 13 minutes and at that point all 6 pumps were turned on to get down the wet well as fast as possible. The plant was pumping at max capacity. Throughout the night the plant received various power bumps. Mr. Callison had notified Dan Alford as things were progressing. Slushy ice mix was received the following Friday and the Jacobs team stayed the night to oversee operations as power was lost that night as well. Mr. Callison continued to report that they were able to test out the new generator during the power outage February 22nd. Randy Pentiuk inquired how the plant switches to the generator in the case of a power outage? Mr. Houle noted that 2 qualified people are needed to manually switch on the generator for safety reasons. Mr. Alford inquired if there was any preliminary work done with having an ATS installed when the design was conducted. In response Bill Davis noted that there were discussions about it but ultimately the \$250,000 cost deterred them from moving forward after reaching budgetary constraints. The end goal is to install an ATS. Mr. Alford also inquired if the Electrical Engineer who was involved in the design discussions is still at HRC. Mr. Davis confirmed that he is still there.

Mr. Callison made one last note that regardless of the weather issues the plant continues to run at 75% on 3 Biodecks. He continued to report data from the exhibits starting on page 59. In regards

to chemical and energy usage the plant is on pace. Right now Jacobs is on pace to have a great ferric chloride usage number for the year. No exceedances were noted for this past month. Land application and Biosolids of Lystek production continues. In February LysteGro gallons were actually lost since enough was digested in sludge storage tanks and ended up as a net loss.

Andy Mechel reported that Jacobs is still working with Taplin to put together a schedule. The small section in Romulus will be added this year although it wasn't easy to do. There was an issue with Odette where Jacobs couldn't see Odette on the SCADA. After investigation, it was determined that ATT had dropped the existing DSL communications which is why they were not able to see Odette. Jacobs will be dropping ATT and hiring Spectrum Cable which will be installed next Wednesday. Spectrum Cable offers a cellular backup which Jacobs will be taking advantage of. Mr. Mechel continued to report that pump #1 stopped running in auto and indicated moisture in the motor. The warranty should cover this issue. Cleaning and painting continues. Primary Clarifier electrical issue has been resolved. A one day shut down at the plant has been scheduled to allow the contractors to install new valves in the SFE system. Jacobs has been working through work orders and PM's along with working through MISS DIG training.

Activities planned for this month include Primary Clarifier evaluations, installation of the sump pump and discharge for the elevator shaft, and the start of elevator repairs in the mechanical room. Jacobs plans to have the tunnel heating system up this month with the switchgear breakers returning next week. There are SFE repairs to do and work on the set up for the installation of the pump that transfers sludge to the Lystek system. In addition staff training continues with another certification coming up in May.

Mr. Alford asked for clarification in regards to the major equipment status of the primary clarifiers. Mr. Callison added that primary clarifier #1 is green and the other 3 are yellow.

Mr. Houle added that there is one other issue related to construction. We were rejected at the landfill because of our grit profile. Jacobs resampled and are waiting for results. They requested that sampling be rushed.

Randy Pentiuk inquired how long it would take workers to get to the plant in the case of an emergency situation. Mr. Houle and the team are committed to being there within an hour or less but take more of a proactive approach (by staffing the plant when the weather forecast shows a significant storm event) with the plant to prevent anything from happening in case of an unexpected event.

CDM Smith Billable Flow Report for February

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

Mr. Alford added that there were more interceptor capacity exceedances this year compared to last year but pointed out that the low exceedances aren't anything that will put the system in danger.

Approval of 2022 Look Back Report and Calculations

Motion by Gibraltar, second by Woodhaven, to approve the 2022 Look Back Report and Calculations. All Communities are present besides S. Rockwood. Motion carried unanimously.

Sean Bellingham added that the annual collections are based on a 5-year flow average and then the annual true-up is based on the actual flows.

HRC Report

Priority 1 & 2 Plant Improvement Project Update

Bill Davis updated the board that the wet weather had impacts on construction. Mr. Davis believes the project to be about 68-69% complete at this time. Work continued on Final Clarifier #3 and is currently on hold. Working on resolving issues with the effluent trough design and reevaluating the design. The hope is to get that implemented next month. The HVAC renovations in the Headworks building began March 3rd. Construction administration and observation tasks continue. Work continues on the HAAG tanks. Cell #3 has been turned over back to Jacobs and cell #4 has joint waterproofing work to be completed. Mechanical and electrical work continues on the grit system. Completed sludge piping #1 & #2 were also installed and tested. SFE replacement has begun and is on schedule. Structural repairs continue throughout the gallery along with painting. Completed temporary backfill of excavation for the manhole of flow meter SH-6. Lystek's final completion status was reached. The final pay application was received and will process it once the last of the closeout documents are received. Lystek is working on warranty related items. The working relationship with Lystek seems to be good.

Upcoming milestones include a final payment in April, the HVAC systems up and running next month, the commissioning of Final Clarifier #3 in April and the completion of SFE in April.

Construction Change Order #7

Motion by Woodhaven, second by Brownstown to approve an increase to Heaney General Contracting, Inc.'s total construction contract amount by \$60,039.42 from the current contract amount of \$20,467,181.69 to the new amount of \$20,527,221.11 and the Chairman to execute it on behalf of the Authority. All Communities are present besides S. Rockwood. Motion carried unanimously.

System Manager Report

Construction Issues / Wet Weather Operations

Mr. Alford appreciates HRC being part of the Clarifier through Construction issues as well as Jacobs work through these unexpected events. Mr. Alford plans to conduct an electrical meeting with HRC to discuss the lack of design of the automatic switch for the generator. He also plans to set up a meeting with DTE to discuss and understand the power outages from a reliability

standpoint. Mr. Alford has a meeting afterward with the MML insurance claim person to do a walk through at the plant. Lastly he plans to discuss with the City of Romulus SHVUA's recent work and involvement in regards to their regulator.

Attorney Comments

Randy Pentiuk added that Mr. Houle is coordinating a meeting with the Cyber Security professionals. Mr. Alford addressed Constellation's proposition. Constellation provided SHVUA a quote for a 19-month contract that provided substantial savings but required a consistent level of natural gas usage at the plant. As everyone is aware, the plant's natural gas usage varies at times. Mr. Alford plans to address this with Constellation to see if they can come to some sort of agreement.

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 11:10 a.m.

Motion by Gibraltar, support by Woodhaven to adjourn. All Communities are present besides S. Rockwood. Motion carried unanimously.

Respectfully submitted,



Dan Alford, PE
System Manager