



## PUBLIC SERVICES DEPARTMENT HARRISON STREET FACILITY

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### **Odor Task Force Meeting Minutes**

**Date: August 2, 2022, Quarter 3 Meeting**

**Time: 9:30 AM**

**Attendees:** Tom Olstad, Gregg Lanternier, and Steven Smock, from Graphic Packaging; **Monica Brothers** from EGLE; **Alexis Kontorousis** from Jones and Henry Engineers; **Aaron Wright**, from the Environmental Concerns Committee; **John Curran** and **Imma James** from the office of Senator Sean McCann; and **James Baker, Jim Cornell, Ryan Stoughton, Ryan Desimone, Brian Stygar, and Mike Buzzo**, from the City of Kalamazoo. (14 total attendees). My apologies if I missed anyone. The virtual meeting began at 9:30 AM.

**Graphic Packaging International- Project Status Update-** GPI has been producing paper with the new K2 machine since February. The project is pretty much complete, except for finishing off some punch list items, mainly like outdoor building finishing and landscaping, etc. They will be continuing into 2023 with some parking lot improvements, etc.

**GPI Envirosuite System Update-** Their 16 Envirosuite monitors are working well. Monitors #1 and 9 are having issues keeping the batteries charged. These are the older versions of the monitors that have a known issue, and will be upgraded to the newer version monitors soon. Aaron Wright asked about the data from the system. Tom said that they have all the data, and it will be made available.

**GPI Odor Management Systems Update-** Their two odor management systems (oxygen and peroxide) are performing well. They are currently doing an engineering review. The permanent O<sub>2</sub> system will be pushed back into 2023. They are working out the details of the new system now, like oxygen truck deliveries, permits, etc.

**City of Kalamazoo Interceptor Biofilter Update-** The biofilter is currently on administrative hold. Even after rebidding the project to try to be more fiscally responsible, the lowest bid was still \$9 million over budget. The project will be revisited after some other changes are implemented and evaluated, such as the reconstruction of GPI's sewer line, the health department's study results, changes/improvements on GPI's Odor Management Systems, etc. (GPI is looking into the possibility of adding a small scrubber system to their Odor Management System now, too).

**City of Kalamazoo- Reconstruction of GPI sewer line and junction box update-** Planning/engineering is continuing on the project. Collecting peak flow data, now that GPI's new paper machine is up and running. This will help in properly sizing the sewer pipe and junction box. Currently also working on the dewatering plan, permitting, City Site Plan/NFP/SESC review, etc. The goal is to bid the project in Quarter 2 of 2023, with construction completion during Quarter 3 of 2023. Aaron asked about budgeting for the sewer line reconstruction and the Biofilter and other increased costs. James said that a sewer rate increase proposal is in the works right now that will help us to counter the drastically increased costs that the city is seeing right now. Huge increases for everything from capital improvement projects, chemicals, and landfill costs are really busting the budget right now. Many of these costs are rising at an alarming rate.

**City of Kalamazoo/MDHHS/EGLE Drone Air Sampling-** The drone study of the KWRP air quality was done back in May. The data has been made publicly available. **We will provide a link to the data along with these meeting minutes.** We have learned some things as a result of this study, and are making changes to our procedures and practices accordingly. One of the changes we've implemented recently is the addition of our Remedial odor control chemical directly into the biosolids cake pump, so it can be thoroughly mixed into the cake, in addition to continued top-dressing and bottom-dressing of the trucks themselves.

**Community Wastewater Collections Odor Mitigation**- Real time H<sub>2</sub>S monitoring has been installed on the Davis Creek and River sewer interceptors to study what's going on there. The SeweX Company and Jones and Henry Engineers are doing a study in those areas. We will be installing a passive carbon air scrubber near Ray Street, on the interceptor siphon under the river there.

**Real Time Atmosphere H<sub>2</sub>S Monitoring – Envirosuite** - The community facing website has been up and running for about 2 weeks now, and seems to be going alright. You can get 15 minute averages for hydrogen sulfide readings, for example. You can find the Envirosuite information on the City's website. The Envirosuite sensor at Verburg Park has been fixed and is now working, and will be added back into the system. A new sensor is being installed at Versluis Park. There are now 17 total sensors in the city's Envirosuite system, 6 at the Kalamazoo Water Reclamation Plant, and 11 outside the plant. The one at 6<sup>th</sup> Street and G Avenue is the furthest west. All of the furthest out sensors are getting down to zero, thus providing a valuable baseline for comparison to all the other meters that are showing H<sub>2</sub>S levels. Gregg asked about the Verburg Park data, and if it looks like there is any change with the river dredging activity going on there. Unfortunately, the software issue on that sensor was just repaired and put back online August 1, so there is no recent data to look at in that location.

Thank you,

Mike Buzzo.