

interoffice memo

Date: 05-27-2021

To: Jim Cornell, Wastewater Division Manager

From: Mike Buzzo, Treatment Control Supervisor

RE: Notes from the May 27, 2021 Odor Task Force Meeting at 9:00 AM.

Introductions/Attendees: **Shawn Deverell**, Constituent Relations Director at Office of **Senator Sean McCann**; **Donald Krug**, **Tom Olstad**, **Gregg Lanternier**, and **Steven Smock**, from Graphics Packaging; **Aaron Davenport** and **Alexis Kontorousis** from Jones and Henry Engineers; **Aaron Wright**, from the Environmental Concerns Committee; and **Jim Cornell**, **Ryan Stoughton**, **Ron Janssen**, **Steve Helmer**, and **Mike Buzzo**, from the City of Kalamazoo. (13 total attendees). My apologies if I missed anyone.

The WebEx meeting began at 9:00 AM.

Graphics Packaging International- Project Status Update- Tom Olstad- The recycle fiber plant construction is wrapping up and currently entering the commissioning phase. They will be testing it soon and pumping some water around, etc. Will probably be starting it up for real in about two weeks and begin processing some fiber, if all goes well. The new paper machine part of the project is still on track for a 4th quarter startup. There are currently about 500 contractors on site, and there will soon be over 1,000 contractors working to finish the project.

GPI Envirosuite Update- The GPI Envirosuite system has been expanded by 6 new units to a total of 16 sensors in their system. They are actually only using 15 units at present, due to construction activities keeping the last sensor from being deployed. Bugs have been worked out and the system seems to be working well. They had to replace one of the H₂S sensors. Aaron Wright asked when we will have access to the data. Mr. Olstad said probably by the next OTF meeting.

GPI Odor Management Systems- Both the hydrogen peroxide and the oxygen injection systems are up and running, and they have been working to optimize them. The ORP and O₂ readings are looking good, and they believe they have found the “sweet spots” for both of the systems. Aaron Davenport asked about if both systems are operating at the same time, and what the dosages are for both systems. Tom O. replied that, yes, both systems are in operation. They are currently feeding 150 pounds per hour of oxygen, and 9 gallons per hour of hydrogen peroxide at the current flow rates. They anticipate that those will double once the new paper machine is online and their flow will approximately double. Aaron Wright asked if there will be any adverse effects of the peroxide entering the water reclamation plant. Ryan said it shouldn't be an issue at the concentration levels we're talking about.

City of Kalamazoo- Biofilter Progress Update- The City received proposals from 4 different companies on the RFP for the new biofilter on Wednesday (yesterday). Those will be reviewed and evaluated over the next few weeks.

City of Kalamazoo Carbon Scrubbers Update- The second of the new carbon air scrubber units went into service recently. The third new scrubber will be put into service soon (Primary clarifiers and fine screens building). The fourth new scrubber unit will follow soon after that (Bar screen and raw influent areas).

City of Kalamazoo- Other Odor Mitigation Changes- Have started the chemical treatment of the cake hauling trucks. Will be keeping a lower sludge volume in the primary and secondary thickeners. A lower volume of cake solids will be kept on hand onsite.

Jim asked if we are also chemically treating the vector pad area yet. Steve answered that we have not, because we have not received the spray equipment for that yet, but expect to soon.

Tom Olstad asked about the effects the new scrubbers will have on ventilation and treatment of the interceptors and at the junction box in their parking lot. Ryan indicated that the carbon scrubbers are dedicated to internal WWTP buildings or areas, while the biofilter project will ventilate and treat the interceptors and the junction box area. Construction on the biofilter will begin this year, but won't be completed until into 2022. There have been some delays on the construction timelines for the project. Jim asked about that. Ryan gave the example of the electrical gear procurement, which is running about 38 weeks out. Aaron D. asked about timeline for the reconstruction of the junction chamber under the GPI parking lot. Ryan said that would depend upon the construction work currently being done at GPI, and, following that, the truck traffic in that lot. Gregg L. indicated that construction activities in that area will probably last another 1-2 months, and that truck traffic in that area will probably double after the new machine goes online. So basically, the work on the junction box will have to be coordinated with GPI after construction, and after truck traffic patterns can be assessed and addressed. We don't want to impede either of GPI's activities in those two areas, so the junction box modifications will probably not get done until into 2022.

City of Kalamazoo- Real Time Sewer H₂S Monitoring- "Smart Covers" 1-year pilot program will be used to test for H₂S in the collection system at 8 different locations. We currently have 6 of the 8 sensors installed. We are currently working out a few bugs in the system and gaining confidence in the data produced. For example, one of the sensors is off by a decimal place, or a factor of 10X in error. The last two sensors will be installed in the not too distant future, but will take some doing. For example, one location within the WWTP will require the replacement of the entire manhole in the street where heavy truck traffic occurs.

City of Kalamazoo- EnviroSuite System Update- Jim Cornell gave this update. There will be a meeting with EnviroSuite today at 2 PM to continue working on refining their odor reporting form, before making it available to the public. The City is working to finalize and formalize the entire public-facing platform in the next two weeks.

Ryan has attached today's meeting agenda to his original meeting invitation email now, if anyone would like a copy. The meeting ended at approximately 9:44 AM.

Thank you,
Mike Buzzo.