



April 27, 2021

Mayor Chuck Fewell  
Board of Public Works and Safety  
10 South State Street  
Greenfield, IN 46140

Re: Excavation Project Update

Mayor and Board Members,

I wanted to provide you an update on the status of the excavation portion of our WWTP Improvements Project. We are currently in discussions with IDEM's Office of Land Quality (OLQ) to obtain their guidance for the removal and disposal of excavated materials. We are also coordinating with IDEM's Office of Water Quality (OWQ) to ensure that we have direction on how to properly process water from the excavation area during the course of the project.

The trash and debris excavated from the old City dump is anticipated to be hauled to a landfill for lawful disposal. Other materials that are not required to be disposed of by landfill, such as clean soils, may be repurposed on-site or at the soccer fields at the north end of Brandywine Park. Ideally, we will be able to utilize the materials on-site in order to minimize cost (this is currently being negotiated with the IDEM OLQ by our Engineer). Any materials taken off-site will have to be thoroughly tested prior to reuse in order to ensure that all soils are safe for recreational contact.

We are also investigating the potential disposal of soils on site in coordination with our existing WWTP decommissioning and demolition as a potential reduction in project cost. Commonwealth and SME are currently working with the IDEM OLQ to obtain necessary guidance and approvals in support of this potential means of disposal.

Our Engineer and IDEM's OWQ are also coordinating on how groundwater within the excavation site will need to be discharged. During our preliminary groundwater sampling and testing, we encountered some very low levels of contamination in the groundwater that will require it to be treated prior to discharge to Brandywine Creek. We have outlined a plan for IDEM's review to pump the groundwater from the excavation site into an existing WWTP tank that is currently not in use. This will allow us to slowly feed the groundwater through the WWTP for treatment through our normal process. Since the groundwater would be considered an industrial waste stream, we have to get input from IDEM OWQ on monitoring requirements for this water for as it enters the WWTP, as well as any additional monitoring for the WWTP

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effluent. A pilot testing procedure has been outlined that includes pumping the groundwater from an existing well at the excavation site to the WWTP. This will give us an opportunity to conduct sampling and monitor treatment throughout our WWTP process. We are currently waiting for IDEM OWQ to approve this plan, at which time we will proceed with a 3-week pilot study.

When looking at the overall timeline of the WWTP Improvements Project, the issues with the site conditions have put us about 6 months behind our original schedule. This will obviously impact our ability to meet our phosphorus limit which has a deadline of 10/1/2022. We will continue working with IDEM on this issue and handle it accordingly. There are options to setup temporary treatment if needed, but we are hopeful that an extension to meet the limit will be granted since we will be well under way with the construction of the new facility.

Our project timeline is currently dependent on obtaining approval from IDEM on the above plans. We are hoping to receive approval from the Office of Land Quality sometime in early May. The approval from the Office of Water Quality is dependent upon the successful outcome of our pilot test demonstration, which likely will be sometime in early June. IDEM's OLQ and OWQ will both have permit requirements that will need incorporated into the bid documents for the Excavation Project. We expect to be able to put this project out to bid within a few weeks after receiving the necessary approvals.

At this time, since the overall project is fairly time sensitive, I would like to request permission to advertise the 2 portions of the improvements project, excavation and construction, as the plans and specifications are finalized and corresponding agency approvals are received. The dates of the advertisements are pending the required approvals and issuance of permits from IDEM. I will keep you updated as those dates become finalized. Please let me know if you have any questions or need any other information at this time.

Best Regards,

A handwritten signature in black ink, appearing to read "Nicholas Dezelan".

Nicholas Dezelan, CHMM, ASP  
Wastewater Utility Manager